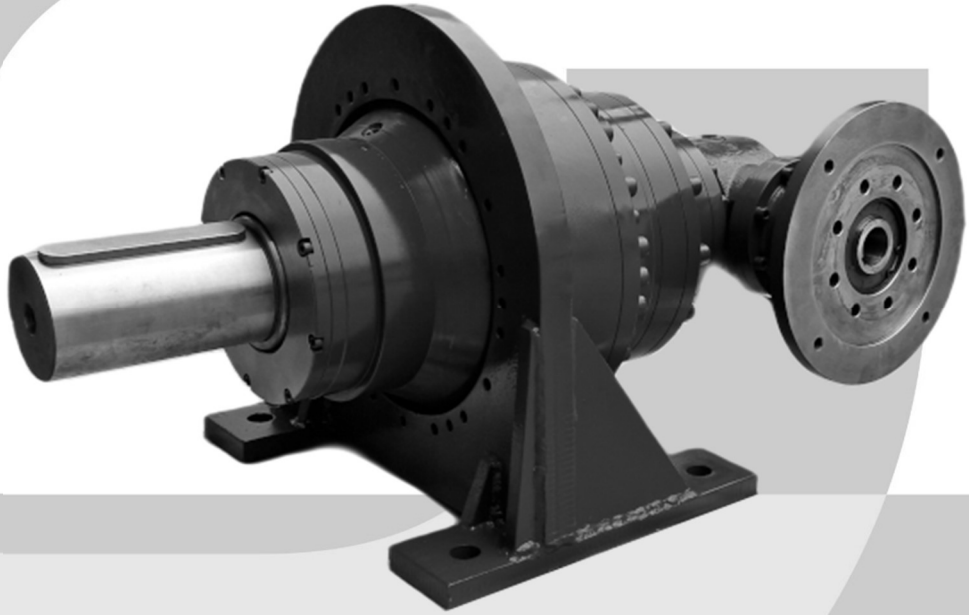
MORGENSEN
DRIVE WITH YOU



USER'S MANUAL

MSEP SERIES

This catalogue presents **MORGENSEN LTD**'s range of Series **MSEP** modular planetary gearboxes.

The use of planetary gear units in the field of power transmission is the modern answer to the demand for compactness constructive simplicity, high product reliability and efficiency.

Products of the company are as follows:

1, MSEP300 series planetary drives.

2, MSEP400 series wheel drives.

3, MSEP600 series track drives.

4, MSEP700 series slewing drives

Table of contents

Symbols, units of measure and description

Symbol	Unit	Description
A_{C1}	(N)	Calculated thrust load at gearbox input shaft
A_{C2}	(N)	Calculated thrust load at gearbox output shaft
A_{n1}	(N)	Rated thrust load at gearbox input shaft
A_{n2}	(N)	Rated thrust load at gearbox output shaft
F_h		Lifetime factor for gearbox calculation
F_{h1} , F_{h2}		Lifetime factor for bearing shafts calculation
f_{h1} , f_{h2}		Load corrective factor on shafts
f_m		Increase factor
fs		Service factor
ft		Thermal factor
ftp		Temperature factor
fv		Speed factor
h	(h)	Lifetime in hours
i		Gearbox ratio
M2’	(N.m)	Reference torque
M2	(N.m)	Torque delivered to output shaft
M_b	(N.m)	Rated brake torque
Mc2	(N.m)	Calculated torque at gearbox output
Mn2	(N.m)	Gearbox rated output torque
Mn2’	(N.m)	Gearbox rated output torque, life time=10000 hours
M_{2max}	(N.m)	Gearbox max. output torque
M_{r1}	(N.m)	Require torque at gearbox input
M_{r2}	(N.m)	Require torque at gearbox output
n1,n2	(min^{-1})	Angular speed at gearbox input, Angular speed at gearbox output
P	(bar)	Hydraulic oil pressure
P1	(KW)	Max. transmissible power at gearbox input
P1’	(KW)	Transmissible power at gearbox input
P2	(KW)	Transmissible power at gearbox output
Pn	(KW)	Gearbox rated power
Pr1	(KW)	Required input power
Pr2	(KW)	Output power at n2 max.
Pr2’	(KW)	Output power at n2 min.
Ps	(KW)	Excess power
Pt	(KW)	Gearbox thermal capacity
Q	(L/min)	Hydraulic flow rate
Rc1, Rc2	(N)	Calculated radial load of gearbox input shaft, Calculated radial load of gearbox output shaft
Rx1	(N)	Rated radial load at gearbox input re-calculated with respect to different load application points
Rx2	(N)	Rated radial load at gearbox output re-calculated with respect to different load application points
S		Safety factor
ta	(℃)	Ambient temperature
V	Cm^3	Hydraulic motor displacement
Vc	Cm^3	Theoretical hydraulic motor displacement
X	mm	Load application distance from shaft shoulder
η_d		Dynamic efficiency

TECHNICAL CHARACTERISTICS AND GENERAL INFORMATION

1. OUTPUT TORQUE

Reference torque M2' (N.m)

Indicative output torque to easily establish the performance class for each gearbox basic size.

Gear motor delivered torque M2 (N.m)

This is the net torque delivered to the output shaft, with installed power Pn, safety factor S, which will yield a theoretical lifetime of 10000 hours. This torque value takes gearbox efficiency into consideration.

Nominal torque M_{n2} (N.m)

Torque transmission at output at uniform continuous load, service factor fs=1 for different fixed values of the life factor (n2×h).

Rated output torque M_{n2}' (N.m)

This is the torque output the gearbox can deliver safety, based on: uniform loading and safety factor S=1,10000 hours theoretical lifetime.

1.5 Max. torque M_{2max} (N.m)

It is the output torque that the reduction unit can withstand in static or highly intermittent conditions. (It is considered as instantaneous load peak torque or starting torque under load).

1.6 Required torque M_{r2} (N.m)

This is the torque corresponding to application requirements. It must always be equal or less than rated output torque Mn2 of the selected gearbox.

1.7 Calculated torque M_{c2} (N.m)

Torque value to be used for selecting the gearbox, considering required torque Mr2 and service factor fs (table 3), and is obtained by formula:

$$M_{c2}=M_{r2}\times f_s<M_{n2} \qquad (F1)$$

Where M_{n2} is the value for the specific application taking into consideration the life factor (n2×h)

2. POWER

2.1 Input rated power P_1 (KW)

Power P1 indicated in the specification table for each gearbox size is either the intermittent or continuous power which can be transmitted at the gearbox input under the following conditions:

Input speed	n_1
Theoretical duration	1000 h
Service factor	fs=1

Check that the formula here below is always satisfied:

$$P_1'\times f_s < P_1 \qquad (F2)$$

2.2 Output power P_2 (KW)

This value is the power transmitted at gearbox output. It can be calculated with the following formulas:

$$P_2=P_1\times \eta_d \qquad (F3)$$

$$P_2=(M_{r2}\times n_2)/9549 \qquad (F4)$$

3. THERMAL POWER Pt (KW)

This value indicates the gearbox's thermal capacity (refer to the technical data concerning the gearboxes under consideration) and is the power that can be transmitted under continuous duty, at an input speed n_1 of 1500 min^{-1} at an ambient temperature of 20℃ without using a supplementary cooling device.

For a duty cycle with short operating periods and sufficiently long pauses to allow the unit to cool, thermal power is not particularly important and therefore it does not need to be taken into consideration.

At an ambient temperature other than 20℃ under intermittent duty conditions and with an input speed n_1 other than 1500 min^{-1} it is possible to calculate the Pt value according to the thermal factor ft and the speed factor fv, shown in table (1).

Make sure that the following condition is always satisfied: $P_{r1}<=Pt\times f_t\times f_V$ (F5)

Table: 1

ta max. (℃)	ft				
	Continuous duty	Intermittent duty			
		Cyclic duration factor % (l) % (l)= t_f /(t_f +t_r) ×100% (t_f : operating time under load) (t_r : rest time)			
	100%	80%	60%	40%	20%
10	1.2	1.3	1.6	1.8	2.0
20	1	1.1	1.3	1.5	1.7
30	0.9	1	1.2	1.3	1.5
40	0.7	0.8	0.9	1	1.2
50	0.5	0.6	0.7	0.8	0.9

n1	fv
500	1.7
750	1.5
950	1.2
1500	1
1750	0.85
2000	0.7
2500	0.5
3000	0.4

4. DYNAMIC EFFICIENCY η_d

Obtained from the ratio of output power P_2 to input power P_1 according to the following equation:

$$\eta_d = P_2/P_1 \qquad (F6)$$

Its value is a function of the transmitted power, the speed, the reduction ratio and oil temperature and viscosity. The maximum efficiency values are shown in the table (2) below.

Table 2:

N° stage			
L1	L2, R2	L3, R3	L4, R4
0.97	0.94	0.91	0.88

5. REDUCTION RATIO i

This is the ratio of gearbox input speed to gearbox output speed.

$$i = n_1/n_2 \qquad (F7)$$

6. ANGULAR SPEED

6.1 Input speed n_1 (min^{-1})

Refers to the speed of motor if motor is directly connected to gearbox. In the case of an indirect drive, this value is the speed of the motor divided by the transmission ratio of the indirect drive accessory (belt, chain, etc.).

Input speed should exceed the values indicated in the tables on gearbox technical features.

As for continuous operation in industrial applications, we recommend that speed of 1750 min^{-1} be never exceeded.

6.2 Output speed n_2 (min^{-1})

Calculated from input speed n_1 and transmission ratio i according to the following equation:

$$n_2 = n_1/i \qquad (F8)$$

7. SERVICE FACTOR f_S

Factor depending on the application type. This factor takes into consideration (with sufficient approximation) load variations which the gearbox may undergo for a specific type of duty. It also takes into consideration the selected type of the drive unit, electric or hydraulic motor and so on.

Table (3) gives indications for the service factor to be selected according to the application and operation type.

Table 3:

SERVICE FACTOR fS						
Type of	Type of drvie unit	Number of starts (/hour)				
		16	32	63	125	250
Uniform load	Electric motor	1.00	1.10	1.15	1.25	1.4
	Hydraulic motor	1.00	1.00	1.10	1.15	1.20
	Endothermic engine	1.25	--	--	--	--
Moderate shock load	Electric motor	1.10	1.15	1.20	1.40	1.60
	Hydraulic motor	1.00	1.00	1.10	1.20	1.30
	Endothermic engine	1.50	--	--	--	--
Heavy shock load	Electric motor	1.20	1.30	1.40	1.60	1.80
	Hydraulic motor	1.10	1.20	1.25	1.35	1.50
	Endothermic engine	2.00	--	--	--`	--

8. SAFETY FACTOR S

This is the relationship of the gear unit rated power to the power of the electric motor actually driving the unit

$$S=Pn1 / P1 \qquad (F9)$$

9. LIFE FACTOR F_{h1}, F_{h2}

Factor resulting by multiplying angular speed at input (n_1) or output (n_2) by actual operating working hours h, break time excluded.

$$F_{h1}=(n_1 \times h) \qquad (F10)$$

$$F_{h2}=(n_2 \times h) \qquad (F11)$$

Life factor is directly proportional to gearbox rpms during the whole duty time.

10. SELECTION

Some essential data are necessary for a proper gearbox of gear motor selection as indicated in table (4). Fill in the table and send a copy to out technical service department which will select the most suitable gearbox for your application requirements.

11. GEARBOX SELECTION

a) Determine the following according to the required application:
- Service factor fs (Table 3)
- Required gearbox working life (h)
- Required drive unit (hydraulic, electric or others)

b) Define the calculated torque with the required output torque M_{c2}

$$M_{c2}=Mr_2 \times fs \qquad (F12)$$

c) Calculate the life factor with required working life h and output speed n2:

$$F_{h2}=(n_2 \times h) \qquad (F13)$$

d) Calculate the required reduction ratio:

$$i=n_1/n_2 \qquad (F14)$$

e) Select gearbox size which, having a reduction ratio close to the calculated value, and see the following:

$$M_{c2} <= M_{n2} \qquad (F15)$$

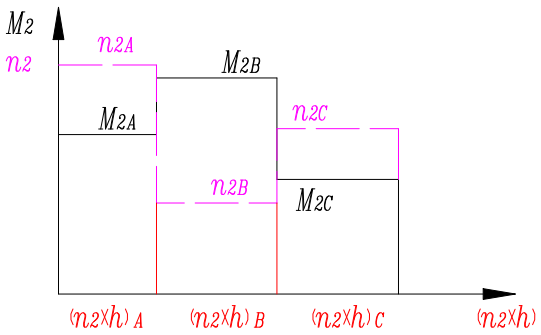
$$F_{h2} <= (n_2 \times h) \qquad (F16)$$

Where Mn_2 and F_{h2} are indicated in the tables on technical features for each gearbox size.

In case of applications in which the required M_{r2} and speed n_2 vary within a wide range, best selection could be an equivalent required torque given by:

$$M_{r2}=\{[(n2\times h)_A \times M_A^4+(n2\times h)_B \times M_B^4+(n2\times h)_C \times M_C^4+\ldots]/[(n2\times h)_A+(n2\times h)_B+(n2\times h)_C+\ldots]\}^{0.25}$$

Referred to:



And calculating the life factor F_h with:

$$F_{h\,calc}=(n2\times h)_A+(n2\times h)_B+(n2\times h)_C \ldots\ldots \qquad (F17)$$

Then follow the same procedure as specified in d) and e).

Table (4): **DATA SHEET FOR SELECTING REDUCTION GEAR**

	Date application sheet for selecting reduction gear			
Name of client:		Address:		Date:
Application description:				
Type of motor and drive unit: Electric		/ Hydraulic		/ Others
Gearbox			**Electric motor**	
P_{r2}	Required output power: (KW)		IEC or NEMA size:	
M_{r2}	Required output torque: (N.m)		Rated power: (KW)	
n_2	Output speed: (min^{-1})		Motor voltage: (V)	
n_1	Input speed: (min^{-1})		Number of poles:	
R_{c2}	Radial load on output shaft: (N)		Frequency: (Hz)	
X_2	Load application distance: (mm)		Duty type to IEC norms: s / %	
R_{c1}	Radial load on input shaft: (N)		Starting frequency: 1/h	
X_1	Load application distance: (mm)		Motor protection degree: IP	
A_{c2}	Thrust load on output shaft: (N)		Insulation class:	
A_{c1}	Thrust load on input shaft: (N)		Brake in self-braking motor:	
h	Required life lifetime: (h)		Brake voltage: (V) Brake torque Mb: (N.m)	
ta	Ambient temperature: (℃)		**HYDRAULIC MOTOR**	
Type: Liner	/ Right angle		Brand:	
Output version:			Type:	
Accessories:			Min./Max. displacement: (cm^3)	
Mounting position:			Max. operating pressure: (bar)	
Lubricants: mineral	/synthetic		Max. operating flow rate: (l/min^{-1})	
			Hydraulic brake: yes /no	
			Brake torque Mb: (N.m)	

NOTE:

The selection criteria and specifications reported in this catalogue are not valid for any applications, including those where the gearbox is to serve as a safety device preventing injury to persons or damage to objects, as is the case with hoisting equipment.

For these applications, however, the accordance with any safety rules in force. For this reason, we recommend that you seek advice from MORGENSEN Ltd.

12. VERIFICATION

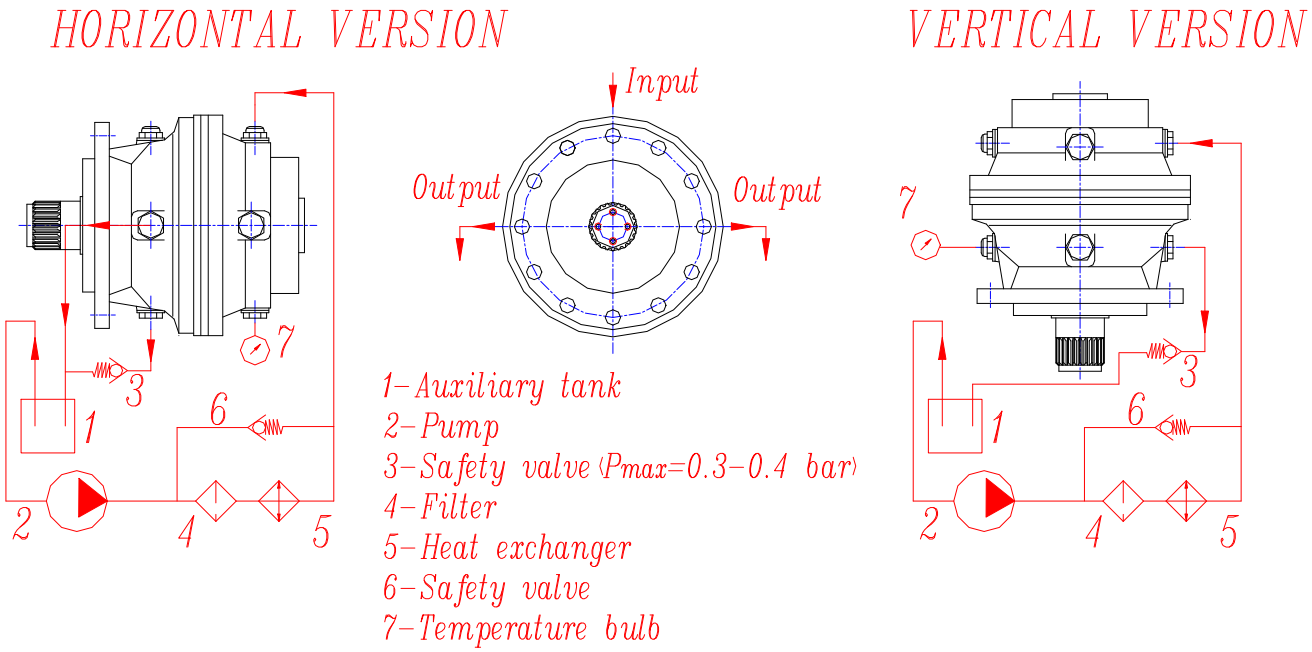
After selecting the drives units, please check the following:

a) Thermal power

Make sure that thermal power of the gearbox (shown in the tables in the chapters dealing with the gear unit

series captioned) is equal to or greater than the power required by the application according to equation (F5) on page 5. If this condition is not respected, select larger gearbox or apply a forced cooling system.

Example of oil re-circulation cooling system:



b) Maximum torque

Make sure that the maximum torque (considered as instantaneous load peak torque or starting torque under load) does not exceed the M_{2max} value that the gearbox can withstand. (Refer to the technical data tables concerning the gearboxes sizes.)

c) Radial loads

Check that radial loads exerted on input and output shafts are lower than or equal to values indicated in the tables on gearbox technical features or charts for each gearbox size. In case they are grater the indicated value, change either gearbox output version, gearbox size or system bearing arrangement.

To check proceed as follows:

Define radial loads Rc_1 at input and Rc2 at output.

$$Rc_1=2000\times Mc_1\times Kr_1/d_1 \qquad (F18)$$

$$Rc_2=2000\times Mc_2\times Kr_2/d_2 \qquad (F19)$$

In which:

Mc_1, Mc_2 ------ Input and output calculated torque (N.m)

d_1, d_2----------Diameter of the part fitted onto the shaft (mm), pulley, gear or chain crown.

Kr_1, Kr_2-------Stress factor for radial load with following values

Chain crown-------1.0

Gear ----------1.25

Belt pulley----------1.5-2.5

Define the trust load position X onto shaft. Check this value with the chart indicating the load Rx1 and Rx2 bearable by the gearbox. Check that the following is satisfied:

$$Rc_1 <= Rx_1\times f_{h1} \qquad (F20)$$

$$Rc_2 <= Rx_2\times f_{h2} \qquad (F21)$$

Where f_{h1} and f_{h2} the radial and thrust load corrective factor depending on the required life factor F_{h1} and F_{h2}.

d) Thrust loads

check the thrust load, when exerted onto the output shaft, as specified for the radial load. The following should be satisfied:

$$\pm Ac2 <= \pm An2 \times f_{h2} \qquad (F22)$$

when a thrust load is combined with an axial load contact MORGENSEN planetary gearbox sales department.

13. HOW TO SELECT THE MOTOR

Electric motor

a) n_2 and dynamic efficiency η_d are known, calculate input power based on torque M_{r2} as follows:

$$P_{r1}=(M_{r2} \times n_2) / (9549 \times \eta_d) \quad KW \qquad (F23)$$

Table (2) on page 6 reports the values of efficiency η d related to the different reduction stages of the gearboxes.

b) Look up the motor selection charts and select a size with such rated power to satisfy this condition:

$$P_{r1} <= P_n \qquad (F24)$$

4-pole motor and over should be preferred.

Unless otherwise specified, power P_n of motors indicated in the catalogue refers to continuous duty S1.

For motors used in conditions other than S1, the type of duty required by reference to CEI 2-3/IEC 34-1 Standards must be mentioned.

For duties from S2 to S8 in particular and for motor frame 132 or smaller, extra power can be obtained with respect to continuous duty power, consequently the following condition must be satisfied:

$$P_{r1}/fm <= P_n \qquad (F25)$$

The increased power factor fm can be obtained from table (5).

Table 5:

fm	Duty						
	S2			S3*			S4-S8
	Cycle duration (min^{-1})			Cyclic duration factor % (l) % (l)= t_f /(t_f +t_r) ×100% (t_f : operating time under load) (t_r : rest time)			Please contact us
	10	30	60	25%	40%	60%	
	1.35	1.15	60	1.25	1.15	1.1	

***Cycle duration, in any event, must be 10 minutes or less. If it is longer, please contact MORGENSEN ltd technical service department.**

For duties other than S1 with considerable number of starts per hour, factor Z must be considered (it is ascertained by using the information in the motors chapter). Factor Z defines the maximum number of starts for the application under consideration.

c) For the output speed n2 or closest to, select the gear motor that yields a safety factor S meeting the following condition: S >= fs (F26)

Hydraulic motor

Determine hydraulic motor type according the application, choosing from the options given in guidance table (6).

Table 6:

Duty	Light		Medium		Heavy	
Pressure (bar)	<175		175-200		200-450	
Motor design	Orbital	Gear motor	Radial piston	Axial piston	Cam motor	Axial piston
Speed (rpm)	Mean <=700	High <=3000	Mean <=500	High <=4000	Low <=200	Mean <=4000
η_{mh}	0.80	0.85	0.95	0.93	0.93	0.93
η_v	0.90	0.87	0.95	0.95	0.95	0.95

Based on the specifications of gearbox input:

Input torque ---------Mr1 (N.m)

Input speed----------n1 (min^{-1})

And on allowed pressure P (bar) for the hydraulic circuit, calculate the displacement of the hydraulic motor by formula:

$$Vc=(20\times \pi \times Mr1) / (P\times \eta_{mh}) \quad cm^3 \quad (F27)$$

Where η_{mh} is the hydraulic mechanical efficiency of the motor (Table 6).

Select a motor size with displacement V that satisfies the following condition:

$$Vc <= V \quad (F28)$$

Calculate the flow required for the hydraulic motor

$$Q1=(V\times n1) / \eta_v\times 1000 \quad (l/min^{-1}) \quad (F29)$$

Where η_v is the volumetric efficiency of the motor (Table 6).

14. INSTALLATION

Observing a few rules for correct installation is essential to the reliable and proper operation of the gearbox or gear motor.

The rules set out here are intended as a preliminary guide to selecting gearbox or gear motor. For effective and proper installation, follow the instructions given in the installation, use the maintenances manual for the gearbox available from our sales department.

Following is a brief outline of installation rules:

a) Fastening:

Place gearbox on a surface providing adequate rigidity. Mating surfaces should be machined and flat.

Mating surfaces must be within definite geometric tolerances (see manual). This is especially true of flange-mounted gearboxes with splined hollow shafts.

In applications that involve high radial loads at the output end, flange mounting is recommended for some gearbox sizes as this mounting makes use of the double pilot diameters provided in these gearboxes.

Make sure the gearbox is suitable for the required mounting position.

Use screws of resistance class 8.8 and over to secure the gearbox. Torque up screws to the figures indicated in the relevant tables.

With transmitted output torque greater than or equal 70% of the indicated M_{2max} torque, and with frequent movement reversals, use screws with minimum resistance 10.9.

Some gearbox sizes can be fastened using either screws or pins. Of pin seated in the frame the gearboxes be at least 1.5 times pin diameter.

b) Connections

Secure the connection parts to gearbox input and output. Do not tap them with hammers or similar tools.

To insert these parts, use the service screws and threaded holes provided on the shafts. Be sure to clean off any grease or protects from the shafts before fitting any connection parts.

Fitting hydraulic motors.

Be careful the O ring between motor flange and gearbox input flange when assembling. Install the hydraulic motor before filling lube oil into the gearbox.

Connecting the hydraulic brake.

The hydraulic circuit should be such to ensure that brake is released instants before gearbox starts and applied after gearbox has stopped. Check that pressure in the hydraulic line for brake release is at zero whenever gearbox is stopped.

Direction of rotation

Motors are connected to the suitable electric or hydraulic circuit according to their direction of rotation. When performing these connections, bear in mind that all gearboxes, whether in the in-line or right angle design, have the same direction of rotation both at input and output. For more details of the connection of electric and hydraulic motors, see relevant sections in this catalogue.

c) Painting

Painted with antioxidant water primer in the color red. Mating surfaces are not painted. Final coat is to be applied by the customer. Before painting, protect the seal rings installed on the shafts. Contact with paint may deteriorate the seals with subsequent oil leakage.

d) Lubrication

Before start-up, fill the gearbox with the recommended lube oil up to correct level. Level is checked through the suitable plug or sight glass provided on each gearbox depending on designated mounting position

15. MAINTENANCE

Gearboxes are virtually maintenance free under normal operating conditions. The only periodic operations required are checks on oil level and oil changes as follows:

Oil Changes

Change the oil first after 100-150 hours operation.

Subsequently, change the oil only every 2000-3000 hours operation depending on application.

Alternatively change oil once a year.

Check the oil level in the gearbox every month and top up as necessary.

16. STORAGE

Observe the following instructions to ensure correct storage of delivered products:

a) Do not store outdoors, in areas exposed to weather or with excessive humidity;

b) Always place boards in wood or other material between floor and products, to avoid direct contact with the floor;

c) For storage periods of over 60 days, all machined surfaces such as flanges, shafts and couplings must be protected with a suitable ant oxidation product (SHELL ENSIS FLUID SDC or equivalent product);

d) The following measures must be taken in respect of products for which the expected storage period exceeds 6 months:

d1)Cover outer machined parts and mating parts with grease to avoid oxidation;

d2)Position the gearboxes with the breather plug up and fill them with oil (this does not apply to life-lubed gearboxes). Before use, the gearboxes should be filled with the proper amount lubricant of the recommended type

17. SUPPLY CONDITIONS

Gearboxes are supplied as follows:

a) ready for installation in the mounting position specified on order;

b) dry; inner parts are protected by a film of the oil used for final testing;

c) painted with antioxidant water primer in the color red, Mating surfaces are not painted and are covered with a film or protective oil. Final coatis to be applied by the Customer;

d) tested to in-house specifications;

e) suitably packed;

f) complete with mounting nuts and bolts for IEC electric motors;

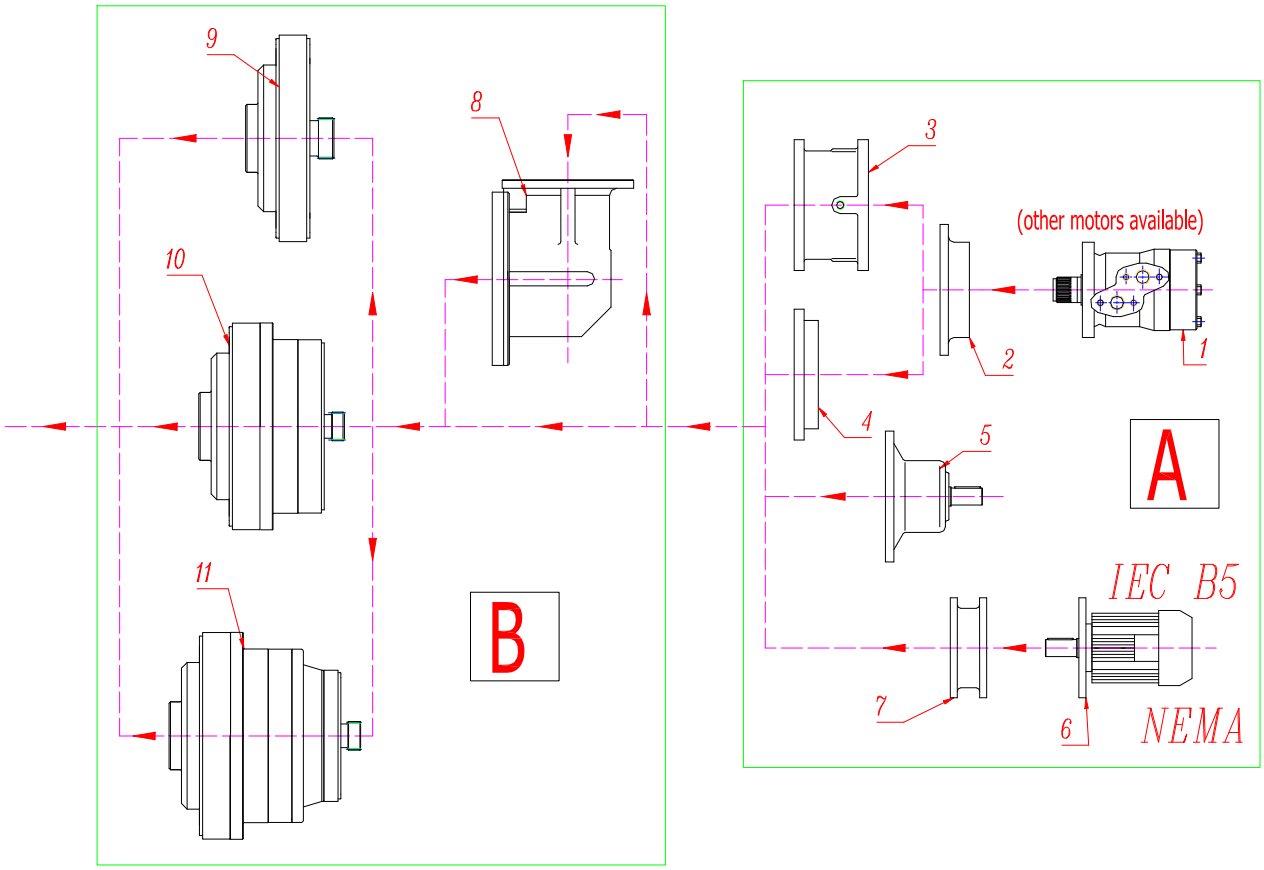
MSEP300 SERIES PLANETARY DRIVES

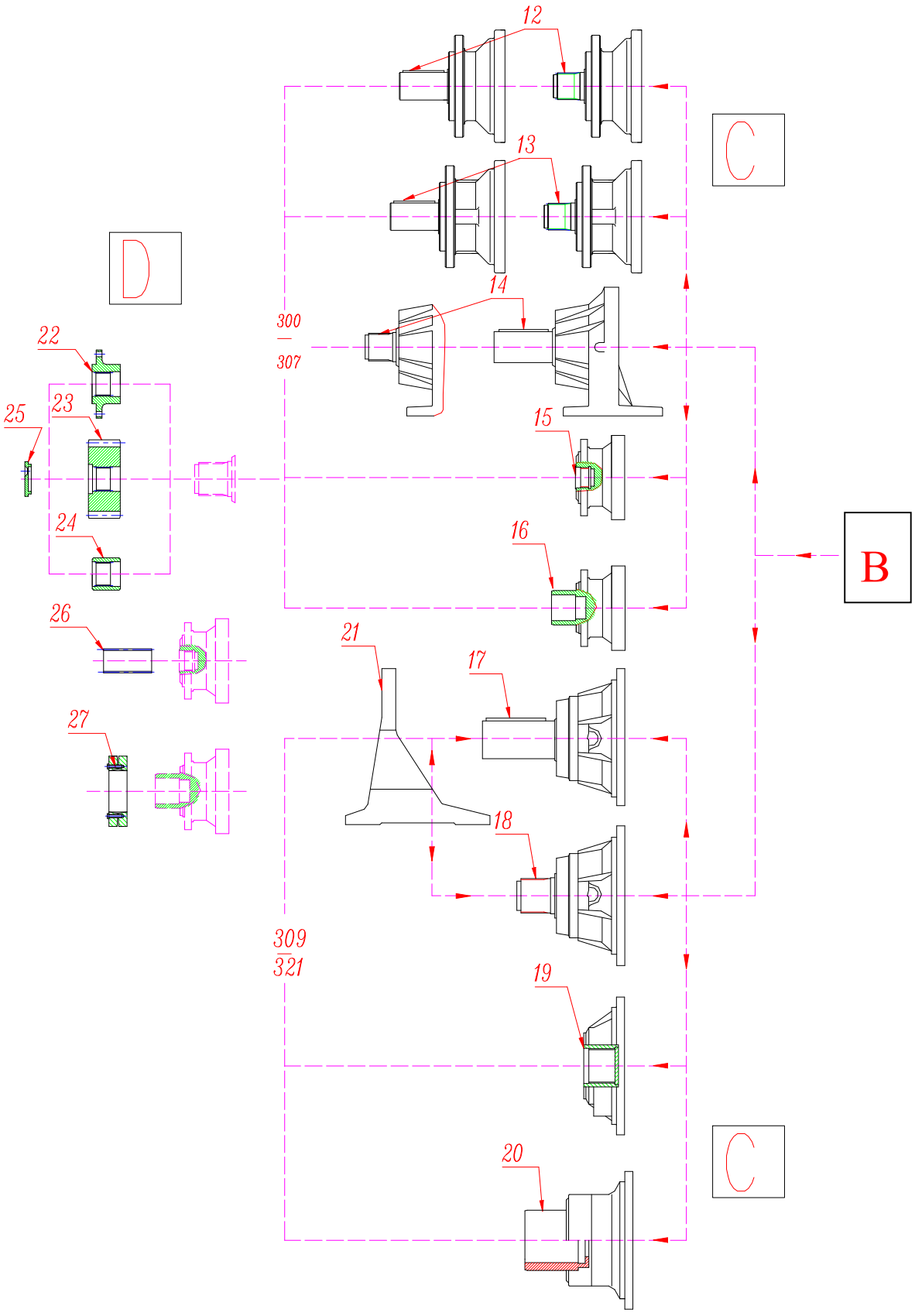
1.0 INTRODUCTION

The MSEP300 series consist of a range of multi-purpose planetary gearboxes that can be operated by either hydraulic or electric motors. Basic features are:

! 14 sizes
! output torque up to 250 000 N.m
! transmissible power up to 250 KW
! ratios from 3.5:1 to 3 000:1
! versions: in-line and right angle (first stage with bevel gear pair Gleason)
! reduction stages ranging from 1 to 4
! with flange-mounted, foot-mounted and shaft-mounted output
! output shafts with keyway, splined, splined hollow shafts, hollow shafts for shaft-mounting with shrink disc
! input adaptors for: electric motors to IEC standards design B5 or NEMA standard, hydraulic motors by major manufactures and according to SAE J744C, negative hydraulic parking brakes for operation by hydraulic motors
! output shaft accessories: flanges, pinions, splined bars, shrink discs
! high radial and axial load capacity of output shafts thanks to tapered roller bearings fitted on the HZ and PC versions
! high efficiency
! housing made of spheroidal cast iron.

2.0 CONSTRUCTION VERSIONS





A: INPUT

1. Hydraulic motor
2. Hydraulic motor setting
3. Negative brake
4. Cover

5. Input shaft
6. Electric motor
7. Electric motor setting

B: REDUCTIONS

8. Right-angle reduction stage
9. Single planetary reduction stage
10. Two or more planetary reduction stages
11. Three or more planetary reduction stages

C: OUTPUT

12. Keyed or splined solid shaft output
13. Keyed or splined heavy solid shaft output
14. Output with support bracket and keyed or splined solid shaft
15. Splined hollow shaft output
16. Hollow shaft output for shrink disc
17. Keyed solid shaft output
18. Splined solid shaft output
19. Splinde hollow shaft output
20. Hollow shaft output for shrink disc
21. Support bracket

D: FITTINGS

22. Flange
23. Pinion
24. Sleeve coupling
25. Stop bottom plate
26. Splined bar
27. Shrink disc

3.0 MOUNTING POSITION

For a proper designation of the geared motor or gearbox, mounting position please refer to the table (7) to determine mounting position.

Table 7: (in - line)

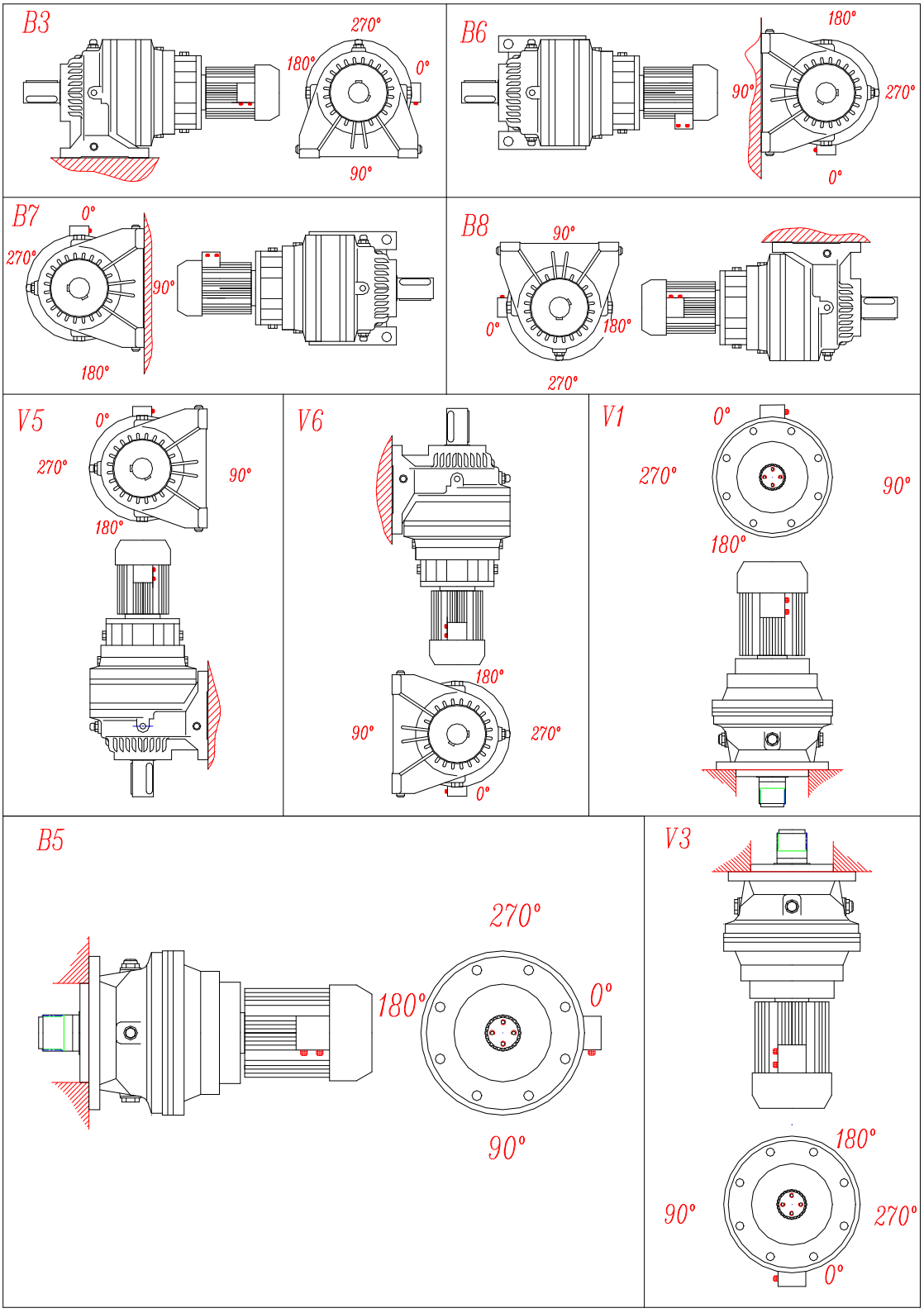
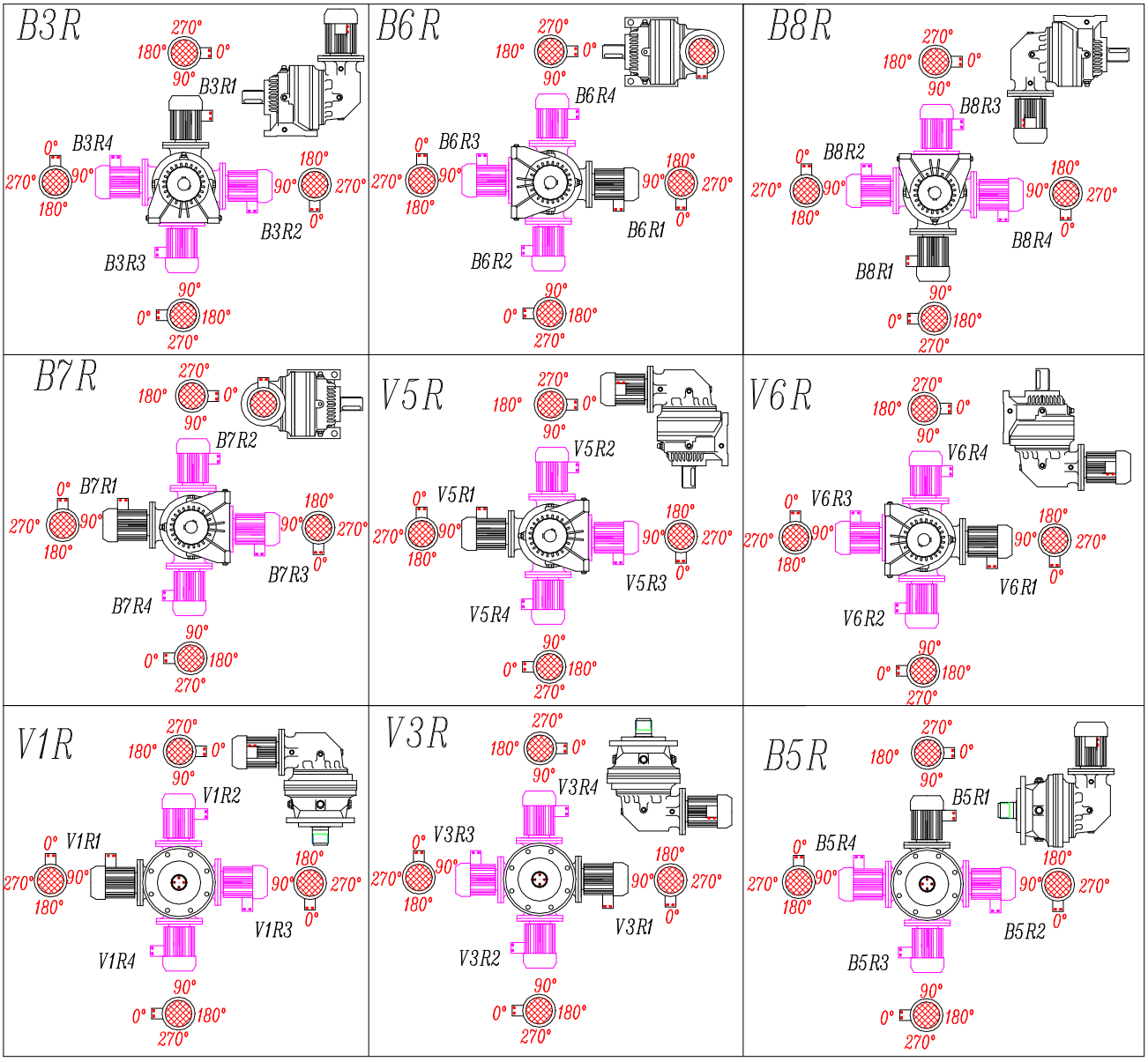


Table 7: (right angle)



4.0 LUBRICATION

(Prior to start-up)

Standard lubrication is oil bath. Respect the specifications given below for fixed and mobile machines:

1) Mobile machinery: SAE 80W/90 oil with API GL5 properties

2) Industrial machinery: ISO VG 150 oils with E.P. properties

The following table lists the most common brands of lubricant and the types recommended for normal applications.

Table 8:

	INDUSTRIAL PLANTS INDUSTRIEANGEN		MOBLE MACHINES	
	ISO standard…E.P. grade		SAE standard…APL GL grade	
Ambient	-10° C /+30° C	+20° C/+45° C	-10° C/+30° C	+20° C/+45° C
	ISO VG 150	ISO VG 220	SAE 80W/90	SAE 85W/140
AGIP	BLASIA 150	BLASIA 220	ROTRA MP	ROTRA MP
ARAL	DEGOL BG 150	DEGOL BG 220	GETRIEBEOL HYP	GETRIEBEOL HYP
BP - MACH	ENERGOL GR XP 150	ENERGOL GR XP 220	HYPOGEAR EP	HYPOGEAR EP
CASTROL	ALPHA SP 150	ALPHA SP 220	HYPOY	HYPOY
CHEVRON	EDWN.L. GEAR COMPOUND 150	N.L. GEAR COMPOUND 220	UNIVERSAL GEAR	UNIVERSAL GEAR
ELF	REDUCTELF SP 150	REDUCTELF SP 220	TRANSELF8	TRANSELF8
ESSO	SPARTAN EP 150	SPARTAN EP 220	GEAR OIL GX	GEAR OIL GX
FINA	GIRAN 150	GIRAN 220		
I.P.	MELLANA 150	MELLANA 220	PONTIAX HD	PONTIAX HD
KLüBER	LAMORA 150	LAMORA 220		
MOBIL	MOBIL GEAR 629	MOBIL GEAR 630	MOBILUBE HD	MOBILUBE HD
SHELL	OMALA EP 150	OMALA EP 220	SPIRAX HD	SPIRAX HD
TOTAL	CARTER EP 150	CARTER EP 220	TRANSMISSION TM	TRANSMISSION TM

Note:

1, For particular applications like: high temperature running conditions, non inflammable oil, etc. contact MORGENSEN LTD technical Departments.

2, Maximum operating oil temperature must never exceed 85° C.

BRAKES LUBRICATION

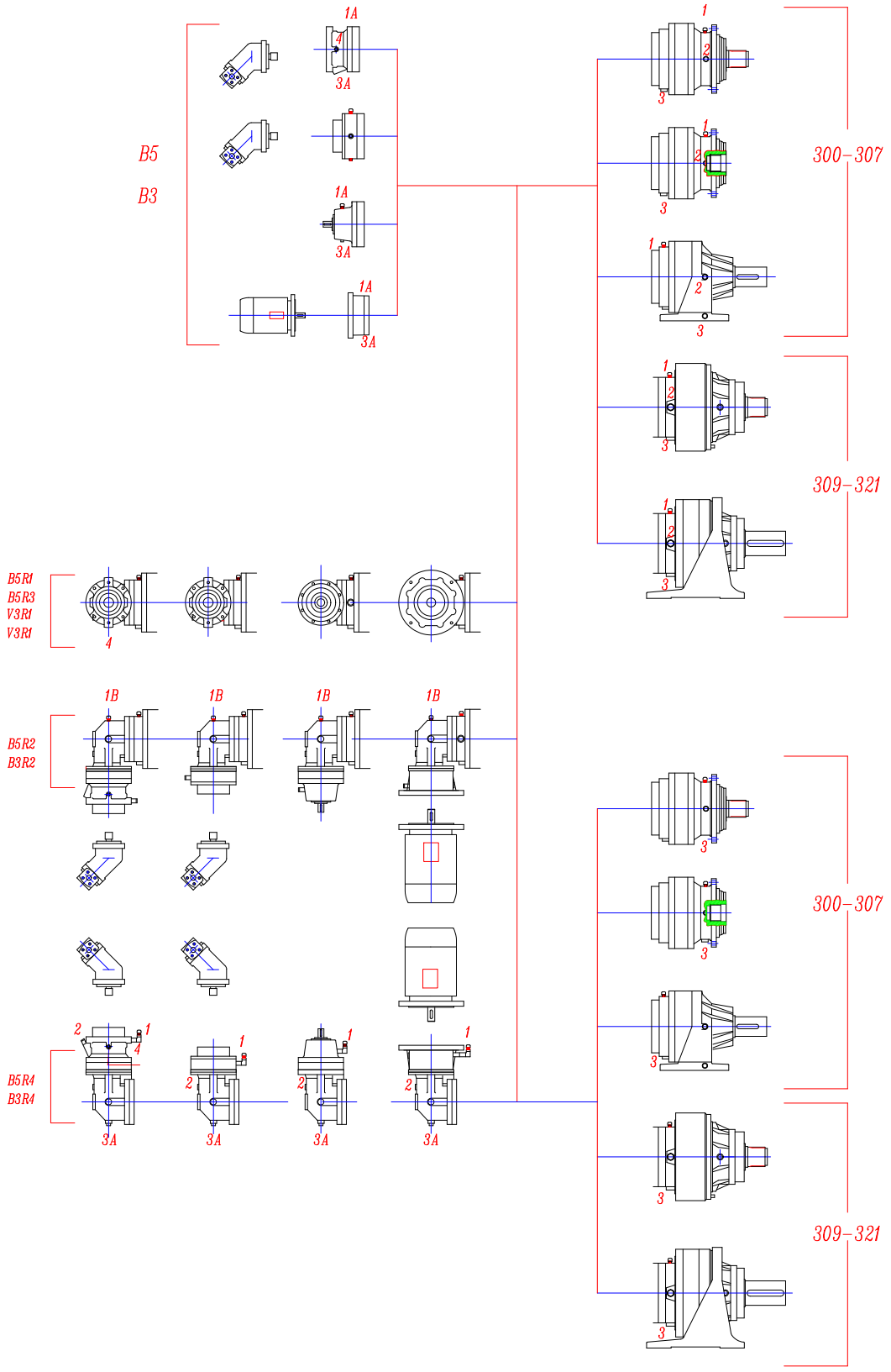
The hydraulically operated multi disc brakes are lubricated by the same oil as the gearbox.

FILLING

Gearboxes are supplied without oil. All gearboxes are equipped with filler, lever, breather, and drain plugs. To fill the gearbox secure it in its exact working position, unscrew the oil filler plug, and add oil until it is visible in the level window. The position of the window will obviously depend on whether the unit is mounted horizontally or vertically. To drain, remove the magnetic drain plug and drain off
oil. If possible, drain while the oil is hot and remove the filler plug from the top of the gearbox to give optimum oil flow.

Note: In gearboxes with brakes, brake lubrication is provided by the gearbox lubricant.

5.0 PLUG POSITIONS:



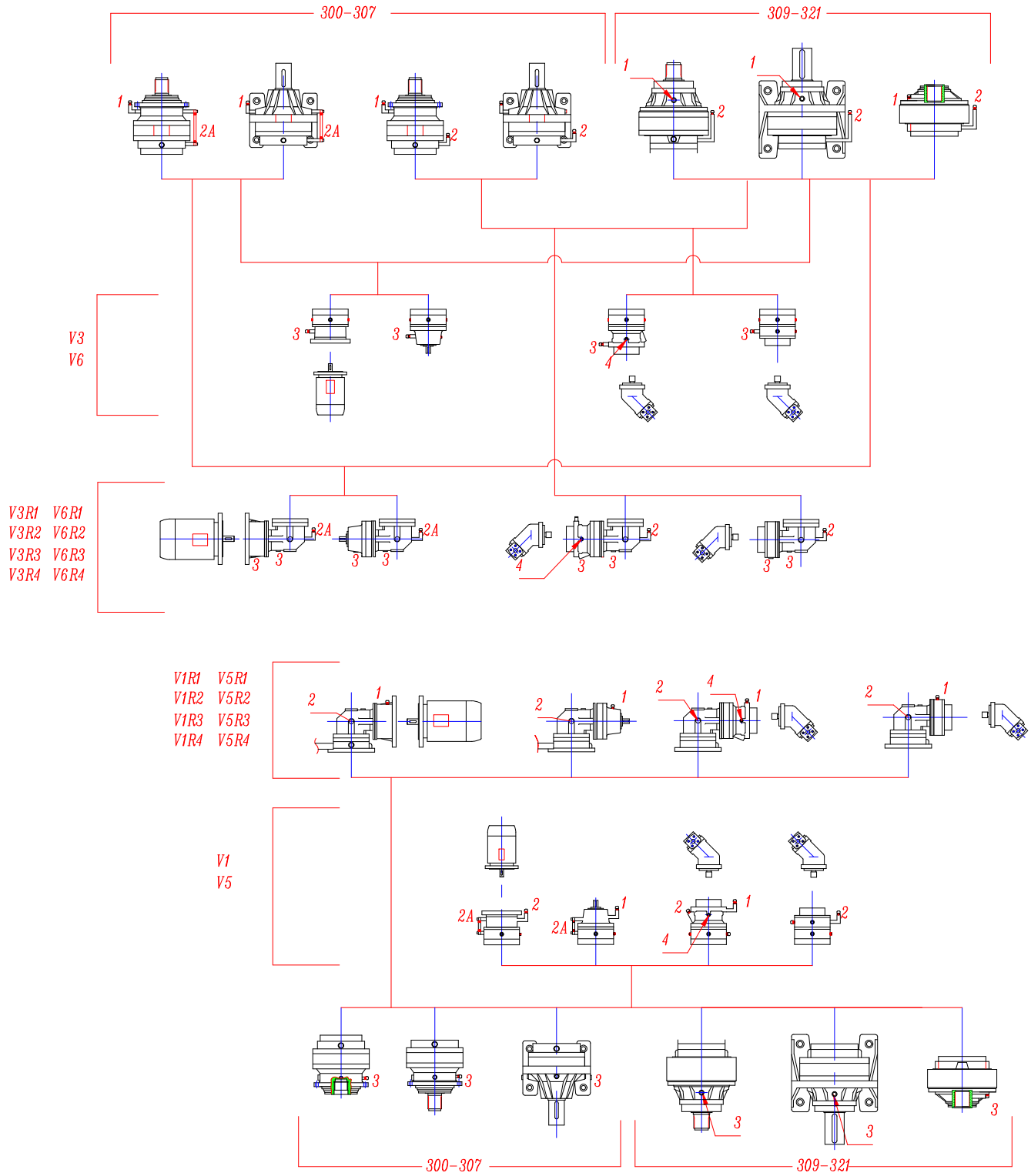
1, 1A, 1B: Filling/breather oil plug

2, 2A: Oil level plug

3, 3A: Oil draining plug

4: Brake port

PLUG POSITIONS



1, 1A, 1B: Filling/breather oil plug

2, 2A: Oil level plug

3, 3A: Oil draining plug

4: Brake port

6.0 REFERENCE OIL QUANTITY:` (L)

Table 9:

TYPE		In – Line Mounting position		
		B5,B3	V1,V5	V3,V6
300	L1	0.6	1.0	0.9
	L2	0.9	1.3	1.2
	L3	1.2	1.6	1.5
	L4	1.5	1.9	1.8
301	L1	0.8	1.2	1.1
	L2	1.1	1.5	1.4
	L3	1.4	1.8	1.7
	L4	1.7	2.1	2.0
303	L1	1.3	2.3	2.0
	L2	1.6	2.6	2.3
	L3	1.9	2.9	2.6
	L4	2.2	3.2	2.9
305	L1	1.6	2.6	2.4
	L2	2.1	3.1	2.9
	L3	2.4	3.4	3.2
	L4	2.7	3.7	3.5
306	L1	2.5	3.5	3.2
	L2	3.3	4.3	4.0
	L3	3.6	4.6	4.3
	L4	3.9	4.9	4.6
307	L1	3.5	5.0	4.5
	L2	4.5	6.0	5.5
	L3	5.0	6.5	6.0
	L4	5.3	6.8	6.3
309	L1	4.0	5.5	5.0
	L2	5.0	6.5	6.0
	L3	5.5	7.0	6.5
	L4	5.8	7.3	6.8
310	L1	5.0	6.5	6.0
	L2	6.3	7.8	7.3
	L3	7.1	8.6	8.1
	L4	7.4	8.9	8.4
311	L1	7.0	12	10
	L2	9.0	14	12
	L3	10	15	13
	L4	10.5	15.5	13.5
313	L1	9.0	14	12
	L2	11.5	16.5	14.5
	L3	12.5	17.5	15.5
	L4	13	18	16
315	L1	15	23	19
	L2	19	27	23
	L3	21	29	25
	L4	22	30	26
316	L1	18	26	22
	L2	22	30	26
	L3	24	32	28
	L4	25	33	29
317	L1	20	35	30
	L2	26	41	36
	L3	29	44	39
	L4	30	45	40
318	L1	25	40	35
	L2	35	50	45
	L3	40	55	50
	L4	43	58	53

TYPE		Right angle Mounting position		
		B5R,B3R	V1R,V5R	V3R,V6R
300	R2	1.2	1.7	1.5
	R3	1.5	2.0	1.8
	R4	1.8	2.3	2.1
301	R2	1.6	2.1	1.9
	R3	1.9	2.4	2.2
	R4	2.2	2.7	2.5
303	R2	2.2	2.8	2.6
	R3	2.5	3.1	2.9
	R4	2.8	3.4	3.2
305	R2	2.5	3.1	2.9
	R3	3.0	3.6	3.4
	R4	3.3	3.0	3.7
306	R2	4.0	5.0	4.8
	R3	4.8	5.8	5.6
	R4	5.1	6.1	5.9
307	R2	6.0	8.0	7.0
	R3	7.0	9.0	8.0
	R4	7.5	9.5	8.5
309	R2	6.5	8.5	7.5
	R3	7.5	9.5	8.5
	R4	8.0	10	9
310	R2	10	12	11
	R3	11	13	12
	R4	12	14	13
311	R2	14	19	17
	R3	16	21	19
	R4	17	22	20
313	R2	16	21	19
	R3	19	24	22
	R4	20	25	23
315	R3	27	35	31
	R4	30	38	34
316	R3	30	38	34
	R4	33	41	37
317	R3	38	52	48
	R4	42	56	52
318	R4	48	63	58

7.0 NEGATIVE MULTI DISC BRAKE

DESCRIPTION:

Our fail-safe parking brake is an oil immersed multi disc unit on the input side of the gearbox.. The brake is operated when there is no hydraulic pressure and is released when the minimum release pressure is applied.

Use of parking brake is necessary whenever the driven system must be kept at standstill even under external forces and/or torques.

Applications:

---Winches

---Slewing drives

---Parking brake on mobile equipment

---General industrial applications

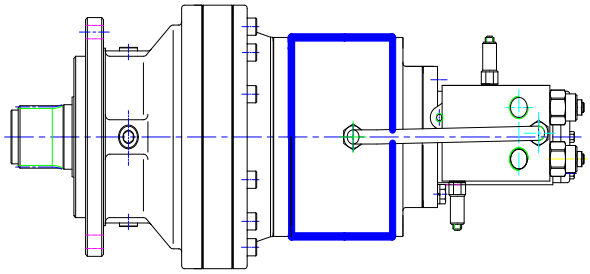


Table 10: BRAKE **TECHNICAL DATE**

		TYPE																	
		4							5					6					
		A	B	D	F	H	K	L	B	C	E	G	K	B	C	E	G	K	L
Static brake torque Mb	**Name**	50	100	160	260	330	400	440	400	500	630	800	1000	850	1100	1500	2100	2600	3200
Min. opening pressure	**Bar**	10	20	20	25	22	25	25	20	20	20	25	25	15	20	25	25	30	30
Max. Operating pressure	**Bar**	320																	
Oil volume for brake release	**Cm3**	21	21	21	21	21	21	21	26	26	26	26	26	40	40	40	40	40	40

8.0 PRODUCT IDENTIFICATION SCHEME

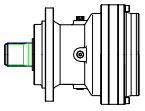
MSEP3 05 L 1 – 30 – HZ - 4F - OMP315A - B3 – P -

1 2 3 4 5 6 7 8 9 10 11

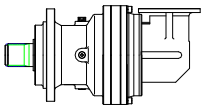
1 **Produce series**: MSEP3—Planetary drives
MSEP4—Track drives
MSEP6—Wheel drives
MSEP7—Slewing drives

2 **Gearbox size**: 00,01,03,05…16

3 **Design: L—**Liner gearbox



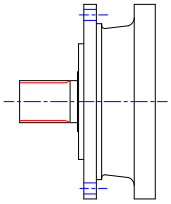
R—Right angle



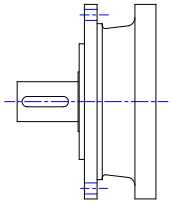
4 **No. Of reductions: 1,2,3,4**

5 **Reduction ratio:** Fill in the value of the trans. ratio (including point and decimals) reported in the selection charts

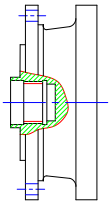
6 **Output version:**



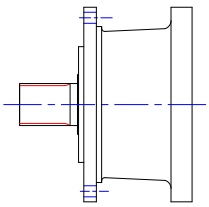
MZ
Spline male shaft



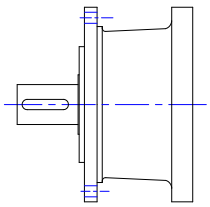
MC
Solid keyed shaft



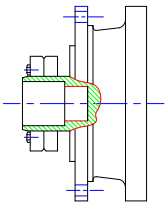
FZ
Hollow splined shaft



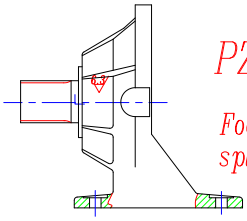
HZ
Heavy duty splined male shaft



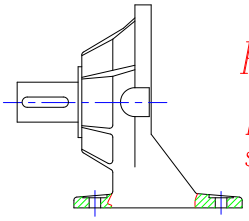
HC
Heavy duty solid keyed shaft



FP
Hollow shaft for shrink disc



PZ
Foot mounted with splined shaft



PC
Foot mounted with soild keyed shaft

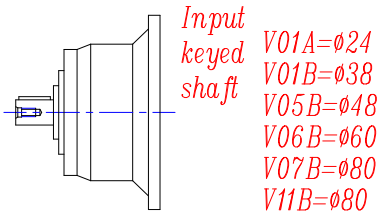
PRODUCT IDENTIFICATION SCHEME

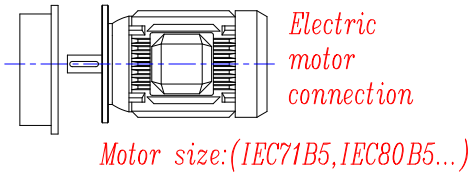
7 **Hydraulic brake type (only with hydraulic motor adaptor):**

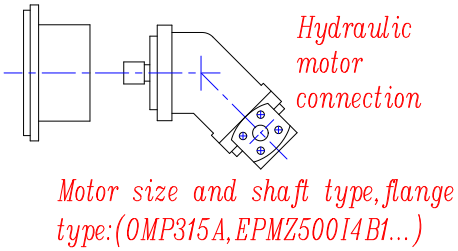
Standard negative multi disc brake: 4A,4B…4L,5B,5C…5K,6B,6C…6L (see page 24)

Without hydraulic brake: WO

8 **Input:**

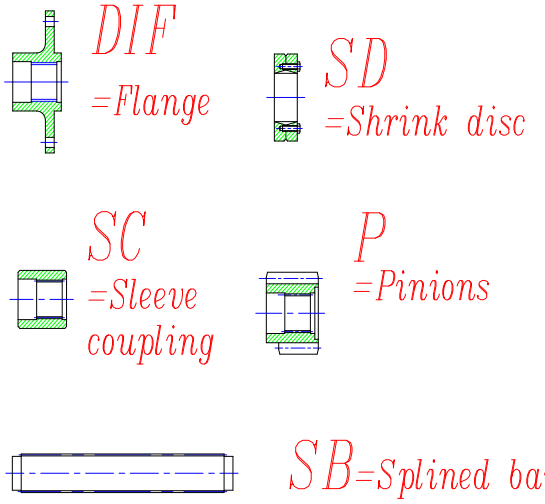






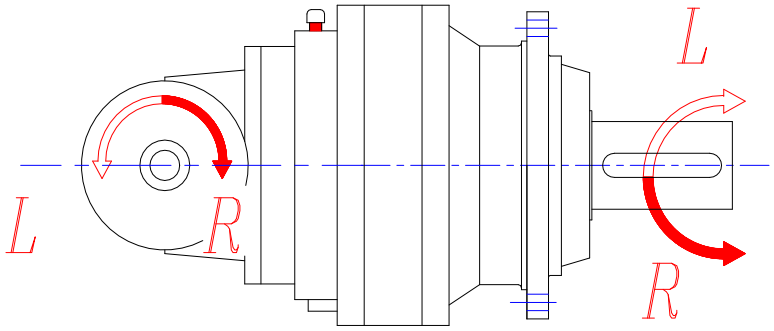
9 **Mounting position:** See page 18,19

10 **Output fittings:**



PRODUCT IDENTIFICATION SCHEME

11	**Rotate direction (only for right angle design):**

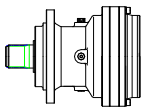
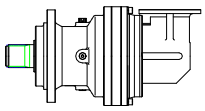


・・・・・・Option:

supplementary coolings system, etc…

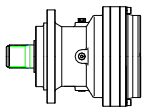
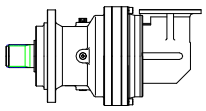
MSEP300 series gear motor

P1=0.12 KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
0.55	1833	1.06	2545	6.0	MSEP303L4	--	631-4	OK	PAGE 100
0.55	1833	1.89	2545	6.0	MSEP305L4	--	631-4	OK	PAGE 110
0.65	1551	1.06	2153	6.0	MSEP301L4	--	631-4	OK	PAGE 90
0.75	1344	1.52	1866	6.0	MSEP303L4	--	631-4	OK	PAGE 100
0.75	1344	2.80	1866	6.0	MSEP305L4	--	631-4	OK	PAGE 110
0.81	1243	1.29	1725	6.0	MSEP301L4	--	631-4	OK	PAGE 90
0.84	1195	1.67	1659	6.0	MSEP301L4	--	631-4	OK	PAGE 90
0.94	1077	2.27	1495	6.0	MSEP303L4	--	631-4	OK	PAGE 100
1.0	996	1.52	1383	6.0	MSEP301L4	--	631-4	OK	PAGE 90
1.1	957	0.98	1329	6.0	MSEP300L4	--	631-4	OK	PAGE 80
1.1	957	2.05	1329	6.0	MSEP301L4	--	631-4	OK	PAGE 90
1.1	905	3.03	1256	6.0	MSEP303L4	--	631-4	OK	PAGE 100
1.3	798	0.91	1108	6.0	MSEP300L4	--	631-4	OK	PAGE 80
1.3	798	1.89	1108	6.0	MSEP301L4	--	631-4	OK	PAGE 90
1.4	738	1.29	1024	6.0	MSEP300L4	--	631-4	OK	PAGE 80
1.4	738	2.65	1024	6.0	MSEP301L4	--	631-4	OK	PAGE 90
1.6	615	1.59	853	6.0	MSEP300L4	--	631-4	OK	PAGE 80
1.6	615	3.18	853	6.0	MSEP301L4	--	631-4	OK	PAGE 90
1.8	562	1.74	780	6.0	MSEP300L4	--	631-4	OK	PAGE 80
1.8	562	3.41	780	6.0	MSEP301L4	--	631-4	OK	PAGE 90
1.8	551	1.06	765	10.0	--	MSEP300R4	631-4	OK	PAGE 80
1.8	551	2.05	765	10.0	--	MSEP301R4	631-4	OK	PAGE 90
1.9	522	3.26	725	12.0	--	MSEP303R4	631-4	OK	PAGE 100
2.2	468	1.97	650	6.0	MSEP300L4	--	631-4	OK	PAGE 80
2.2	450	2.05	625	6.0	MSEP300L4	--	631-4	OK	PAGE 80
2.3	442	1.59	613	10.0	--	MSEP300R4	631-4	OK	PAGE 80
2.3	442	3.26	613	10.0	--	MSEP301R4	631-4	OK	PAGE 90
2.8	361	2.50	501	6.0	MSEP300L4	--	631-4	OK	PAGE 80
2.9	343	2.65	476	6.0	MSEP300L4	--	631-4	OK	PAGE 80
3.0	340	2.80	472	10.0	--	MSEP300R4	631-4	OK	PAGE 80
3.7	273	3.18	378	10.0	--	MSEP300R4	631-4	OK	PAGE 80
3.8	278	1.98	373	7.5	MSEP300L3	--	631-4	OK	PAGE 80
4.7	223	2.78	299	7.5	MSEP300L3	--	631-4	OK	PAGE 80

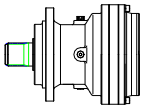
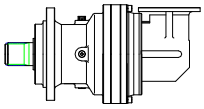
MSEP300 series gear motor

P1=0.18 KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
0.55	2749	1.26	2545	6.0	MSEP305L4	--	632-4	OK	PAGE 110
0.56	2708	2.53	2506	6.0	MSEP306L4	--	632-4	OK	PAGE 120
0.68	2209	3.54	2045	6.0	MSEP306L4	--	632-4	OK	PAGE 120
0.75	2016	1.01	1866	6.0	MSEP303L4	--	632-4	OK	PAGE 100
0.75	2016	1.87	1866	6.0	MSEP305L4	--	632-4	OK	PAGE 110
0.81	1864	0.86	1725	6.0	MSEP301L4	--	632-4	OK	PAGE 90
0.84	1792	1.11	1659	6.0	MSEP301L4	--	632-4	OK	PAGE 90
0.94	1616	1.52	1495	6.0	MSEP303L4	--	632-4	OK	PAGE 100
0.94	1616	2.78	1495	6.0	MSEP305L4	--	632-4	OK	PAGE 110
1.0	1494	1.01	1383	6.0	MSEP301L4	--	632-4	OK	PAGE 90
1.1	1436	1.36	1329	6.0	MSEP301L4	--	632-4	OK	PAGE 90
1.1	1357	2.02	1256	6.0	MSEP303L4	--	632-4	OK	PAGE 100
1.3	1197	1.26	1108	6.0	MSEP301L4	--	632-4	OK	PAGE 90
1.4	1106	0.86	1024	6.0	MSEP300L4	--	632-4	OK	PAGE 80
1.4	1106	1.77	1024	6.0	MSEP301L4	--	632-4	OK	PAGE 90
1.4	1087	2.53	1007	6.0	MSEP303L4	--	632-4	OK	PAGE 100
1.6	922	1.06	853	6.0	MSEP300L4	--	632-4	OK	PAGE 80
1.6	922	2.12	853	6.0	MSEP301L4	--	632-4	OK	PAGE 90
1.7	871	3.03	806	6.0	MSEP303L4	--	632-4	OK	PAGE 100
1.8	843	1.16	780	6.0	MSEP300L4	--	632-4	OK	PAGE 80
1.8	843	2.27	780	6.0	MSEP301L4	--	632-4	OK	PAGE 90
1.8	827	1.36	765	10.0	--	MSEP301R4	632-4	OK	PAGE 90
1.9	805	3.28	745	6.0	MSEP303L4	--	632-4	OK	PAGE 100
1.9	783	2.17	725	12.0	--	MSEP303R4	632-4	OK	PAGE 100
2.2	702	1.31	650	6.0	MSEP300L4	--	632-4	OK	PAGE 80
2.2	702	2.68	650	6.0	MSEP301L4	--	632-4	OK	PAGE 90
2.2	675	1.36	625	6.0	MSEP300L4	--	632-4	OK	PAGE 80
2.2	675	2.78	625	6.0	MSEP301L4	--	632-4	OK	PAGE 90
2.3	662	1.06	613	10.0	--	MSEP300R4	632-4	OK	PAGE 80
2.3	662	2.17	613	10.0	--	MSEP301R4	632-4	OK	PAGE 90
2.6	574	3.03	531	12.0	--	MSEP303R4	632-4	OK	PAGE 100
2.8	541	1.67	501	6.0	MSEP300L4	--	632-4	OK	PAGE 80
2.8	541	3.28	501	6.0	MSEP301L4	--	632-4	OK	PAGE 90
2.9	514	1.77	476	6.0	MSEP300L4	--	632-4	OK	PAGE 80
2.9	514	3.43	476	6.0	MSEP301L4	--	632-4	OK	PAGE 90
3.0	510	1.87	472	10.0	--	MSEP300R4	632-4	OK	PAGE 80
3.0	510	3.38	472	10.0	--	MSEP301R4	632-4	OK	PAGE 90
3.7	409	2.12	378	10.0	--	MSEP300R4	632-4	OK	PAGE 80
3.8	417	1.32	373	7.5	MSEP300L3	--	632-4	OK	PAGE 80
3.8	417	2.69	373	7.5	MSEP301L3	--	632-4	OK	PAGE 90
4.7	334	1.86	299	7.5	MSEP300L3	--	632-4	OK	PAGE 80
4.8	315	2.78	292	10.0	--	MSEP300R4	632-4	OK	PAGE 80
6.0	252	3.33	234	10.0	--	MSEP300R4	632-4	OK	PAGE 80

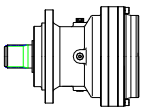
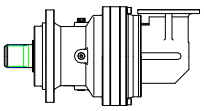
MSEP300 series gear motor

P1=0.25KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
0.55	3819	0.91	2545	6.0	MSEP305L4	--	711-4	OK	PAGE 110
0.56	3761	1.82	2506	6.0	MSEP306L4	--	711-4	OK	PAGE 120
0.64	3305	2.91	2202	7.5	MSEP307L4	--	711-4	OK	PAGE 130
0.68	3069	2.55	2045	6.0	MSEP306L4	--	711-4	OK	PAGE 120
0.75	2800	1.35	1866	6.0	MSEP305L4	--	711-4	OK	PAGE 110
0.84	2508	2.91	1671	6.0	MSEP306L4	--	711-4	OK	PAGE 120
0.94	2244	1.09	1495	6.0	MSEP303L4	--	711-4	OK	PAGE 100
0.94	2244	2.00	1495	6.0	MSEP305L4	--	711-4	OK	PAGE 110
1.05	2009	3.49	1339	6.0	MSEP306L4	--	711-4	OK	PAGE 120
1.1	1995	0.98	1329	6.0	MSEP301L4	--	711-4	OK	PAGE 90
1.1	1885	1.45	1256	6.0	MSEP303L4	--	711-4	OK	PAGE 100
1.1	1885	2.55	1256	6.0	MSEP305L4	--	711-4	OK	PAGE 110
1.3	1662	0.91	1108	6.0	MSEP301L4	--	711-4	OK	PAGE 90
1.4	1537	1.27	1024	6.0	MSEP301L4	--	711-4	OK	PAGE 90
1.4	1510	1.82	1007	6.0	MSEP303L4	--	711-4	OK	PAGE 100
1.6	1281	1.53	853	6.0	MSEP301L4	--	711-4	OK	PAGE 90
1.7	1210	2.18	806	6.0	MSEP303L4	--	711-4	OK	PAGE 100
1.8	1170	1.64	780	6.0	MSEP301L4	--	711-4	OK	PAGE 90
1.8	1148	0.98	765	10.0	--	MSEP301R4	711-4	OK	PAGE 90
1.9	1118	2.36	745	6.0	MSEP303L4	--	711-4	OK	PAGE 100
1.9	1087	1.56	725	12.0	--	MSEP303R4	711-4	OK	PAGE 100
1.9	1087	2.73	725	12.0	--	MSEP305R4	711-4	OK	PAGE 110
2.2	975	0.95	650	6.0	MSEP300L4	--	711-4	OK	PAGE 80
2.2	975	1.93	650	6.0	MSEP301L4	--	711-4	OK	PAGE 90
2.2	938	0.98	625	6.0	MSEP300L4	--	711-4	OK	PAGE 80
2.2	938	2.00	625	6.0	MSEP301L4	--	711-4	OK	PAGE 90
2.3	932	2.55	621	6.0	MSEP303L4	--	711-4	OK	PAGE 100
2.3	920	1.56	613	10.0	--	MSEP301R4	711-4	OK	PAGE 90
2.6	797	2.18	531	12.0	--	MSEP303R4	711-4	OK	PAGE 100
2.8	751	1.20	501	6.0	MSEP300L4	--	711-4	OK	PAGE 80
2.8	751	2.36	501	6.0	MSEP301L4	--	711-4	OK	PAGE 90
2.9	714	1.27	476	6.0	MSEP300L4	--	711-4	OK	PAGE 80
2.9	714	2.47	476	6.0	MSEP301L4	--	711-4	OK	PAGE 90
3.0	710	3.27	473	6.0	MSEP303L4	--	711-4	OK	PAGE 100
3.0	709	1.35	472	10.0	--	MSEP300R4	711-4	OK	PAGE 80
3.0	709	2.44	472	10.0	--	MSEP301R4	711-4	OK	PAGE 90
3.3	639	3.27	426	12.0	--	MSEP303R4	711-4	OK	PAGE 100
3.6	579	2.91	386	6.0	MSEP301L4	--	711-4	OK	PAGE 90
3.7	568	1.53	378	10.0	--	MSEP300R4	711-4	OK	PAGE 80
3.7	568	3.09	378	10.0	--	MSEP301R4	711-4	OK	PAGE 90
3.8	579	0.95	373	7.5	MSEP300L3	--	711-4	OK	PAGE 80
3.8	579	1.93	373	7.5	MSEP301L3	--	711-4	OK	PAGE 90
4.0	548	2.81	353	7.5	MSEP303L3	--	711-4	OK	PAGE 100
4.7	464	1.34	299	7.5	MSEP300L3	--	711-4	OK	PAGE 80
4.8	437	2.00	292	10.0	--	MSEP300R4	711-4	OK	PAGE 80
6.0	351	2.40	234	10.0	--	MSEP300R4	711-4	OK	PAGE 80
6.1	358	2.46	230	7.5	MSEP300L3	--	711-4	OK	PAGE 80
6.3	333	2.55	222	10.0	--	MSEP300R4	711-4	OK	PAGE 80
7.6	286	2.99	185	7.5	MSEP300L3	--	711-4	OK	PAGE 80
7.8	270	3.09	180	10.0	--	MSEP300R4	711-4	OK	PAGE 80
13.2	165	3.16	106	12.0	--	MSEP300R3	711-4	OK	PAGE 80

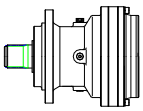
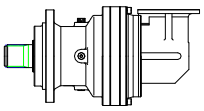
MSEP300 series gear motor

P1=0.37KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
0.56	5566	1.23	2506	6.0	MSEP306L4	--	712-4	OK	PAGE 120
0.64	4891	1.97	2202	7.5	MSEP307L4	--	712-4	OK	PAGE 130
0.64	4891	3.44	2202	7.5	MSEP309L4	--	712-4	OK	PAGE 140
0.68	4542	1.72	2045	6.0	MSEP306L4	--	712-4	OK	PAGE 120
0.75	4145	0.91	1866	6.0	MSEP305L4	--	712-4	OK	PAGE 110
0.75	4121	2.46	1856	7.5	MSEP307L4	--	712-4	OK	PAGE 130
0.84	3711	1.97	1671	6.0	MSEP306L4	--	712-4	OK	PAGE 120
0.92	3367	2.95	1516	7.5	MSEP307L4	--	712-4	OK	PAGE 130
0.94	3321	1.35	1495	6.0	MSEP305L4	--	712-4	OK	PAGE 110
1.05	2974	2.36	1339	6.0	MSEP306L4	--	712-4	OK	PAGE 120
1.1	2790	0.98	1256	6.0	MSEP303L4	--	712-4	OK	PAGE 100
1.1	2790	1.72	1256	6.0	MSEP305L4	--	712-4	OK	PAGE 110
1.2	2669	2.70	1202	6.0	MSEP306L4	--	712-4	OK	PAGE 120
1.4	2279	3.44	1026	6.0	MSEP306L4	--	712-4	OK	PAGE 120
1.4	2274	0.86	1024	6.0	MSEP301L4	--	712-4	OK	PAGE 90
1.4	2235	1.23	1007	6.0	MSEP303L4	--	712-4	OK	PAGE 100
1.4	2235	2.46	1007	6.0	MSEP305L4	--	712-4	OK	PAGE 110
1.6	1895	1.03	853	6.0	MSEP301L4	--	712-4	OK	PAGE 90
1.7	1791	1.47	806	6.0	MSEP303L4	--	712-4	OK	PAGE 100
1.7	1791	2.95	806	6.0	MSEP305L4	--	712-4	OK	PAGE 110
1.8	1732	1.11	780	6.0	MSEP301L4	--	712-4	OK	PAGE 90
1.9	1654	1.60	745	6.0	MSEP303L4	--	712-4	OK	PAGE 100
1.9	1654	3.19	745	6.0	MSEP305L4	--	712-4	OK	PAGE 110
1.9	1609	1.06	725	12.0	--	MSEP303R4	712-4	OK	PAGE 100
1.9	1609	1.84	725	12.0	--	MSEP305R4	712-4	OK	PAGE 110
2.2	1443	1.30	650	6.0	MSEP301L4	--	712-4	OK	PAGE 90
2.2	1388	1.35	625	6.0	MSEP301L4	--	712-4	OK	PAGE 90
2.3	1380	1.72	621	6.0	MSEP303L4	--	712-4	OK	PAGE 100
2.3	1362	1.06	613	10.0	--	MSEP301R4	712-4	OK	PAGE 90
2.6	1180	1.47	531	12.0	--	MSEP303R4	712-4	OK	PAGE 100
2.6	1180	2.95	531	12.0	--	MSEP305R4	712-4	OK	PAGE 110
2.8	1112	1.60	501	6.0	MSEP301L4	--	712-4	OK	PAGE 90
2.9	1057	0.86	476	6.0	MSEP300L4	--	712-4	OK	PAGE 80
2.9	1057	1.67	476	6.0	MSEP301L4	--	712-4	OK	PAGE 90
3.0	1051	2.21	473	6.0	MSEP303L4	--	712-4	OK	PAGE 100
3.0	1049	0.91	472	10.0	--	MSEP300R4	712-4	OK	PAGE 80
3.0	1049	1.65	472	10.0	--	MSEP301R4	712-4	OK	PAGE 90
3.3	946	2.21	426	12.0	--	MSEP303R4	712-4	OK	PAGE 100
3.4	917	2.46	413	6.0	MSEP303L4	--	712-4	OK	PAGE 100
3.6	857	1.97	386	6.0	MSEP301L4	--	712-4	OK	PAGE 90
3.7	840	1.03	378	10.0	--	MSEP300R4	712-4	OK	PAGE 80
3.7	840	2.09	378	10.0	--	MSEP301R4	712-4	OK	PAGE 90
3.8	857	1.31	373	7.5	MSEP301L3	--	712-4	OK	PAGE 90
3.8	809	2.95	364	6.0	MSEP303L4	--	712-4	OK	PAGE 100
3.9	794	3.19	358	12.0	--	MSEP303R4	712-4	OK	PAGE 100
4.0	812	1.90	353	7.5	MSEP303L3	--	712-4	OK	PAGE 100
4.4	707	3.19	318	6.0	MSEP303L4	--	712-4	OK	PAGE 100
4.7	687	0.90	299	7.5	MSEP300L3	--	712-4	OK	PAGE 80
4.7	687	2.38	299	7.5	MSEP301L3	--	712-4	OK	PAGE 90
4.7	660	2.46	297	6.0	MSEP301L4	--	712-4	OK	PAGE 90
4.8	647	1.35	292	10.0	--	MSEP300R4	712-4	OK	PAGE 80

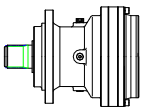
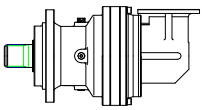
MSEP300 series gear motor

P1=0.37KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
4.8	647	2.70	292	10.0	--	MSEP301R4	712-4	OK	PAGE 90
5.4	595	2.85	259	7.5	MSEP303L3	--	712-4	OK	PAGE 100
6.0	519	1.62	234	10.0	--	MSEP300R4	712-4	OK	PAGE 80
6.0	519	3.19	234	10.0	--	MSEP301R4	712-4	OK	PAGE 90
6.1	529	1.66	230	7.5	MSEP300L3	--	712-4	OK	PAGE 80
6.1	529	3.09	230	7.5	MSEP301L3	--	712-4	OK	PAGE 90
6.3	493	1.72	222	10.0	--	MSEP300R4	712-4	OK	PAGE 80
6.3	493	3.44	222	10.0	--	MSEP301R4	712-4	OK	PAGE 90
7.6	424	2.02	185	7.5	MSEP300L3	--	712-4	OK	PAGE 80
7.8	400	2.09	180	10.0	--	MSEP300R4	712-4	OK	PAGE 80
9.8	327	2.61	142	7.5	MSEP300L3	--	712-4	OK	PAGE 80
10.3	301	2.70	135	10.0	--	MSEP300R4	712-4	OK	PAGE 80
12.3	262	3.09	114	7.5	MSEP300L3	--	712-4	OK	PAGE 80
12.9	249	3.33	108	7.5	MSEP300L3	--	712-4	OK	PAGE 80
13.2	244	2.14	106	12.0	--	MSEP300R3	712-4	OK	PAGE 80
16.4	196	3.09	85.2	12.0	--	MSEP300R3	712-4	OK	PAGE 80

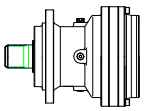
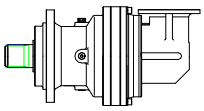
MSEP300 series gear motor

P1=0.55KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
0.59	7835	2.98	2373	11.0	MSEP310L4	--	801-4	OK	PAGE 150
0.64	7270	1.32	2202	7.5	MSEP307L4	--	801-4	OK	PAGE 130
0.64	7270	2.31	2202	7.5	MSEP309L4	--	801-4	OK	PAGE 140
0.68	6751	1.16	2045	6.0	MSEP306L4	--	801-4	OK	PAGE 120
0.75	6126	1.65	1856	7.5	MSEP307L4	--	801-4	OK	PAGE 130
0.75	6126	2.64	1856	7.5	MSEP309L4	--	801-4	OK	PAGE 140
0.84	5517	1.32	1671	6.0	MSEP306L4	--	801-4	OK	PAGE 120
0.92	5006	1.98	1516	7.5	MSEP307L4	--	801-4	OK	PAGE 130
0.92	5006	3.47	1516	7.5	MSEP309L4	--	801-4	OK	PAGE 140
0.94	4937	0.91	1495	6.0	MSEP305L4	--	801-4	OK	PAGE 110
1.05	4420	1.59	1339	6.0	MSEP306L4	--	801-4	OK	PAGE 120
1.1	4147	1.16	1256	6.0	MSEP305L4	--	801-4	OK	PAGE 110
1.2	4011	2.81	1215	7.5	MSEP307L4	--	801-4	OK	PAGE 130
1.2	4011	2.81	1215	7.5	MSEP307L4	--	801-4	OK	PAGE 130
1.2	3967	1.82	1202	6.0	MSEP306L4	--	801-4	OK	PAGE 120
1.3	3600	3.31	1090	7.5	MSEP307L4	--	801-4	OK	PAGE 130
1.4	3388	2.31	1026	6.0	MSEP306L4	--	801-4	OK	PAGE 120
1.4	3323	1.65	1007	6.0	MSEP305L4	--	801-4	OK	PAGE 110
1.7	2715	2.81	822	6.0	MSEP306L4	--	801-4	OK	PAGE 120
1.7	2662	0.99	806	6.0	MSEP303L4	--	801-4	OK	PAGE 100
1.7	2662	1.98	806	6.0	MSEP305L4	--	801-4	OK	PAGE 110

MSEP300 series gear motor

P1=0.55KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
1.9	2459	1.07	745	6.0	MSEP303L4	--	801-4	OK	PAGE 100
1.9	2459	2.15	745	6.0	MSEP305L4	--	801-4	OK	PAGE 110
1.9	2392	1.24	725	12.0	--	MSEP305R4	801-4	OK	PAGE 110
2.0	2356	2.48	714	12.0	--	MSEP306R4	801-4	OK	PAGE 120
2.2	2146	0.88	650	6.0	MSEP301L4	--	801-4	OK	PAGE 90
2.2	2063	0.91	625	6.0	MSEP301L4	--	801-4	OK	PAGE 90
2.3	2051	1.16	621	6.0	MSEP303L4	--	801-4	OK	PAGE 100
2.3	2051	2.48	621	6.0	MSEP305L4	--	801-4	OK	PAGE 110
2.4	1922	3.31	582	12.0	--	MSEP306R4	801-4	OK	PAGE 120
2.6	1754	0.99	531	12.0	--	MSEP303R4	801-4	OK	PAGE 100
2.6	1754	1.98	531	12.0	--	MSEP305R4	801-4	OK	PAGE 110
2.8	1653	1.07	501	6.0	MSEP301L4	--	801-4	OK	PAGE 90
2.9	1571	1.12	476	6.0	MSEP301L4	--	801-4	OK	PAGE 90
3.0	1562	1.49	473	6.0	MSEP303L4	--	801-4	OK	PAGE 100
3.0	1562	3.31	473	6.0	MSEP305L4	--	801-4	OK	PAGE 110
3.0	1559	1.11	472	10.0	--	MSEP301R4	801-4	OK	PAGE 90
3.3	1406	1.49	426	12.0	--	MSEP303R4	801-4	OK	PAGE 100
3.3	1406	3.14	426	12.0	--	MSEP305R4	801-4	OK	PAGE 110
3.4	1364	1.65	413	6.0	MSEP303L4	--	801-4	OK	PAGE 100
3.6	1273	1.32	386	6.0	MSEP301L4	--	801-4	OK	PAGE 90
3.7	1249	1.40	378	10.0	--	MSEP301R4	801-4	OK	PAGE 90
3.8	1274	0.88	373	7.5	MSEP301L3	--	801-4	OK	PAGE 90
3.8	1203	1.98	364	6.0	MSEP303L4	--	801-4	OK	PAGE 100
3.9	1181	2.15	358	12.0	--	MSEP303R4	801-4	OK	PAGE 100
4.0	1207	1.28	353	7.5	MSEP303L3	--	801-4	OK	PAGE 100
4.0	1207	2.40	353	7.5	MSEP305L3	--	801-4	OK	PAGE 110
4.4	1050	2.15	318	6.0	MSEP303L4	--	801-4	OK	PAGE 100
4.7	1021	1.60	299	7.5	MSEP301L3	--	801-4	OK	PAGE 90
4.7	981	1.65	297	6.0	MSEP301L4	--	801-4	OK	PAGE 90
4.8	962	0.91	292	10.0	--	MSEP300R4	801-4	OK	PAGE 80
4.8	962	1.82	292	10.0	--	MSEP301R4	801-4	OK	PAGE 90
4.9	946	2.64	287	12.0	--	MSEP303R4	801-4	OK	PAGE 100
5.0	916	2.48	278	6.0	MSEP303L4	--	801-4	OK	PAGE 100
5.4	885	1.92	259	7.5	MSEP303L3	--	801-4	OK	PAGE 100
6.0	771	1.09	234	10.0	--	MSEP300R4	801-4	OK	PAGE 80
6.0	771	2.15	234	10.0	--	MSEP301R4	801-4	OK	PAGE 90
6.1	787	1.12	230	7.5	MSEP300L3	--	801-4	OK	PAGE 80
6.1	787	2.08	230	7.5	MSEP301L3	--	801-4	OK	PAGE 90
6.3	733	1.16	222	10.0	--	MSEP300R4	801-4	OK	PAGE 80
6.3	733	2.31	222	10.0	--	MSEP301R4	801-4	OK	PAGE 90
6.3	729	3.31	221	12.0	--	MSEP303R4	801-4	OK	PAGE 100
6.7	709	2.88	208	7.5	MSEP303L3	--	801-4	OK	PAGE 100
7.6	630	1.36	185	7.5	MSEP300L3	--	801-4	OK	PAGE 80
7.6	630	2.56	185	7.5	MSEP301L3	--	801-4	OK	PAGE 90
7.8	594	1.40	180	10.0	--	MSEP300R4	801-4	OK	PAGE 80
7.8	594	2.81	180	10.0	--	MSEP301R4	801-4	OK	PAGE 90
9.8	486	1.76	142	7.5	MSEP300L3	--	801-4	OK	PAGE 80
9.8	486	3.20	142	7.5	MSEP301L3	--	801-4	OK	PAGE 90
10.3	447	1.82	135	10.0	--	MSEP300R4	801-4	OK	PAGE 80
12.3	389	2.08	114	7.5	MSEP300L3	--	801-4	OK	PAGE 80
12.9	370	2.24	108	7.5	MSEP300L3	--	801-4	OK	PAGE 80

MSEP300 series gear motor

P1=0.55KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
13.2	363	1.44	106	12.0	--	MSEP300R3	801-4	OK	PAGE 80
13.2	363	3.04	106	12.0	--	MSEP301R3	801-4	OK	PAGE 90
13.4	345	2.31	104	10.0	--	MSEP300R4	801-4	OK	PAGE 80
15.9	300	2.72	87.8	7.5	MSEP300L3	--	801-4	OK	PAGE 80
16.4	291	2.08	85.2	12.0	--	MSEP300R3	801-4	OK	PAGE 80
17.6	262	2.98	79.5	10.0	--	MSEP300R4	801-4	OK	PAGE 80
27.0	183	2.94	51.8	7.5	MSEP300L2	--	801-4	OK	PAGE 80

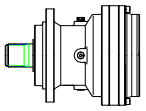
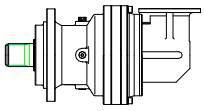
MSEP300 series gear motor

P1=0.75KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
0.59	10684	2.18	2373	11.0	MSEP310L4	--	802-4	OK	PAGE 150
0.64	9914	0.97	2202	7.5	MSEP307L4	--	802-4	OK	PAGE 130
0.64	9914	1.70	2202	7.5	MSEP309L4	--	802-4	OK	PAGE 140
0.68	9206	0.85	2045	6.0	MSEP306L4	--	802-4	OK	PAGE 120
0.72	8718	2.67	1937	11.0	MSEP310L4	--	802-4	OK	PAGE 150
0.75	8353	1.21	1856	7.5	MSEP307L4	--	802-4	OK	PAGE 130
0.75	8353	1.94	1856	7.5	MSEP309L4	--	802-4	OK	PAGE 140
0.84	7523	0.97	1671	6.0	MSEP306L4	--	802-4	OK	PAGE 120
0.88	7124	3.03	1582	11.0	MSEP310L4	--	802-4	OK	PAGE 150
0.92	6826	1.45	1516	7.5	MSEP307L4	--	802-4	OK	PAGE 130
0.92	6826	2.55	1516	7.5	MSEP309L4	--	802-4	OK	PAGE 140
1.05	6028	1.16	1339	6.0	MSEP306L4	--	802-4	OK	PAGE 120
1.1	5655	0.85	1256	6.0	MSEP305L4	--	802-4	OK	PAGE 110
1.2	5470	2.06	1215	7.5	MSEP307L4	--	802-4	OK	PAGE 130
1.2	5470	2.06	1215	7.5	MSEP307L4	--	802-4	OK	PAGE 130
1.2	5470	3.03	1215	7.5	MSEP309L4	--	802-4	OK	PAGE 140
1.2	5409	1.33	1202	6.0	MSEP306L4	--	802-4	OK	PAGE 120
1.3	4909	2.42	1090	7.5	MSEP307L4	--	802-4	OK	PAGE 130
1.3	4909	3.27	1090	7.5	MSEP309L4	--	802-4	OK	PAGE 140
1.4	4620	1.70	1026	6.0	MSEP306L4	--	802-4	OK	PAGE 120
1.4	4531	1.21	1007	6.0	MSEP305L4	--	802-4	OK	PAGE 110
1.5	4114	2.67	914	7.5	MSEP307L4	--	802-4	OK	PAGE 130
1.7	3702	2.06	822	6.0	MSEP306L4	--	802-4	OK	PAGE 120
1.7	3631	1.45	806	6.0	MSEP305L4	--	802-4	OK	PAGE 110
1.8	3456	3.15	768	7.5	MSEP307L4	--	802-4	OK	PAGE 130
1.9	3353	1.58	745	6.0	MSEP305L4	--	802-4	OK	PAGE 110
1.9	3291	2.91	731	6.0	MSEP306L4	--	802-4	OK	PAGE 120
1.9	3262	0.91	725	12.0	--	MSEP305R4	802-4	OK	PAGE 110
2.0	3212	1.82	714	12.0	--	MSEP306R4	802-4	OK	PAGE 120
2.2	2823	3.03	627	14.0	--	MSEP307R4	802-4	OK	PAGE 130
2.3	2797	0.85	621	6.0	MSEP303L4	--	802-4	OK	PAGE 100
2.3	2797	1.82	621	6.0	MSEP305L4	--	802-4	OK	PAGE 110
2.4	2637	3.52	586	6.0	MSEP306L4	--	802-4	OK	PAGE 120
2.4	2621	2.42	582	12.0	--	MSEP306R4	802-4	OK	PAGE 120

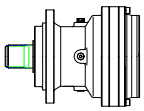
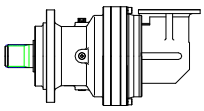
MSEP300 series gear motor

P1=0.75KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
2.6	2392	1.45	531	12.0	--	MSEP305R4	802-4	OK	PAGE 110
2.9	2142	2.91	476	12.0	--	MSEP306R4	802-4	OK	PAGE 120
3.0	2130	1.09	473	6.0	MSEP303L4	--	802-4	OK	PAGE 100
3.0	2130	2.42	473	6.0	MSEP305L4	--	802-4	OK	PAGE 110
3.3	1917	1.09	426	12.0	--	MSEP303R4	802-4	OK	PAGE 100
3.3	1917	2.30	426	12.0	--	MSEP305R4	802-4	OK	PAGE 110
3.4	1859	1.21	413	6.0	MSEP303L4	--	802-4	OK	PAGE 100
3.4	1859	2.79	413	6.0	MSEP305L4	--	802-4	OK	PAGE 110
3.6	1736	0.97	386	6.0	MSEP301L4	--	802-4	OK	PAGE 90
3.7	1716	3.52	381	12.0	--	MSEP306R4	802-4	OK	PAGE 120
3.7	1704	1.03	378	10.0	--	MSEP301R4	802-4	OK	PAGE 90
3.8	1641	1.45	364	6.0	MSEP303L4	--	802-4	OK	PAGE 100
3.8	1641	3.15	364	6.0	MSEP305L4	--	802-4	OK	PAGE 110
3.9	1610	1.58	358	12.0	--	MSEP303R4	802-4	OK	PAGE 100
3.9	1610	3.15	358	12.0	--	MSEP305R4	802-4	OK	PAGE 110
4.0	1645	0.94	353	7.5	MSEP303L3	--	802-4	OK	PAGE 100
4.0	1645	1.76	353	7.5	MSEP305L3	--	802-4	OK	PAGE 110
4.0	1620	3.28	348	7.5	MSEP306L3	--	802-4	OK	PAGE 120
4.4	1432	1.58	318	6.0	MSEP303L4	--	802-4	OK	PAGE 100
4.7	1392	1.17	299	7.5	MSEP301L3	--	802-4	OK	PAGE 90
4.7	1338	1.21	297	6.0	MSEP301L4	--	802-4	OK	PAGE 90
4.8	1312	1.33	292	10.0	--	MSEP301R4	802-4	OK	PAGE 90
4.9	1290	1.94	287	12.0	--	MSEP303R4	802-4	OK	PAGE 100
5.0	1250	1.82	278	6.0	MSEP303L4	--	802-4	OK	PAGE 100
5.4	1207	1.41	259	7.5	MSEP303L3	--	802-4	OK	PAGE 100
5.4	1207	2.81	259	7.5	MSEP305L3	--	802-4	OK	PAGE 110
6.0	1052	1.58	234	10.0	--	MSEP301R4	802-4	OK	PAGE 90
6.1	1073	1.52	230	7.5	MSEP301L3	--	802-4	OK	PAGE 90
6.3	1000	0.85	222	10.0	--	MSEP300R4	802-4	OK	PAGE 80
6.3	1000	1.70	222	10.0	--	MSEP301R4	802-4	OK	PAGE 90
6.3	994	2.42	221	12.0	--	MSEP303R4	802-4	OK	PAGE 100
6.7	967	2.11	208	7.5	MSEP303L3	--	802-4	OK	PAGE 100
7.6	859	1.00	185	7.5	MSEP300L3	--	802-4	OK	PAGE 80
7.6	859	1.88	185	7.5	MSEP301L3	--	802-4	OK	PAGE 90
7.8	810	1.03	180	10.0	--	MSEP300R4	802-4	OK	PAGE 80
7.8	810	2.06	180	10.0	--	MSEP301R4	802-4	OK	PAGE 90
8.0	812	3.05	174	7.5	MSEP303L3	--	802-4	OK	PAGE 100
8.3	757	3.15	168	12.0	--	MSEP303R4	802-4	OK	PAGE 100
9.8	662	1.29	142	7.5	MSEP300L3	--	802-4	OK	PAGE 80
9.8	662	2.34	142	7.5	MSEP301L3	--	802-4	OK	PAGE 90
10.3	610	1.33	135	10.0	--	MSEP300R4	802-4	OK	PAGE 80
10.3	610	2.67	135	10.0	--	MSEP301R4	802-4	OK	PAGE 90
12.3	531	1.52	114	7.5	MSEP300L3	--	802-4	OK	PAGE 80
12.3	531	2.81	114	7.5	MSEP301L3	--	802-4	OK	PAGE 90
12.9	504	1.64	108	7.5	MSEP300L3	--	802-4	OK	PAGE 80
12.9	504	2.93	108	7.5	MSEP301L3	--	802-4	OK	PAGE 90
13.2	495	1.05	106	12.0	--	MSEP300R3	802-4	OK	PAGE 80
13.2	495	2.23	106	12.0	--	MSEP301R3	802-4	OK	PAGE 90
13.4	470	1.70	104	10.0	--	MSEP300R4	802-4	OK	PAGE 80
13.4	470	3.27	104	10.0	--	MSEP301R4	802-4	OK	PAGE 90
15.9	409	1.99	87.8	7.5	MSEP300L3	--	802-4	OK	PAGE 80

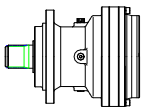
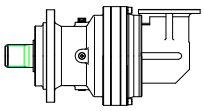
MSEP300 series gear motor

P1=0.75KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
16.4	396	1.52	85.2	12.0	--	MSEP300R3	802-4	OK	PAGE 80
16.4	396	3.16	85.2	12.0	--	MSEP301R3	802-4	OK	PAGE 90
17.6	358	2.18	79.5	10.0	--	MSEP300R4	802-4	OK	PAGE 80
21.2	308	2.58	66.1	7.5	MSEP300L3	--	802-4	OK	PAGE 80
21.3	305	2.58	65.6	12.0	--	MSEP300R3	802-4	OK	PAGE 80
26.6	245	3.16	52.6	12.0	--	MSEP300R3	802-4	OK	PAGE 80
27.0	249	2.16	51.8	7.5	MSEP300L2	--	802-4	OK	PAGE 80
27.5	237	3.28	50.9	7.5	MSEP300L3	--	802-4	OK	PAGE 80
33.7	200	3.18	41.5	7.5	MSEP300L2	--	802-4	OK	PAGE 80

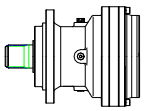
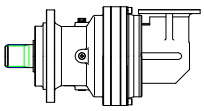
MSEP300 series gear motor

P1=1.1KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
0.59	15670	1.49	2373	11.0	MSEP310L4	--	90S-4	OK	PAGE 150
0.64	14541	1.16	2202	7.5	MSEP309L4	--	90S-4	OK	PAGE 140
0.72	12786	1.82	1937	11.0	MSEP310L4	--	90S-4	OK	PAGE 150
0.73	12583	2.56	1906	11.0	MSEP311L4	--	90S-4	OK	PAGE 160
0.75	12252	1.32	1856	7.5	MSEP309L4	--	90S-4	OK	PAGE 140
0.87	10602	3.55	1606	11.0	MSEP311L4	--	90S-4	OK	PAGE 160
0.88	10448	2.07	1582	11.0	MSEP310L4	--	90S-4	OK	PAGE 150
0.92	10011	0.99	1516	7.5	MSEP307L4	--	90S-4	OK	PAGE 130
0.92	10011	1.74	1516	7.5	MSEP309L4	--	90S-4	OK	PAGE 140
1.0	9376	2.73	1420	11.0	MSEP310L4	--	90S-4	OK	PAGE 150
1.1	8372	2.48	1268	11.0	MSEP310L4	--	90S-4	OK	PAGE 150
1.2	8022	1.40	1215	7.5	MSEP307L4	--	90S-4	OK	PAGE 130
1.2	8022	1.40	1215	7.5	MSEP307L4	--	90S-4	OK	PAGE 130
1.2	8022	2.07	1215	7.5	MSEP309L4	--	90S-4	OK	PAGE 140
1.2	7934	0.91	1202	6.0	MSEP306L4	--	90S-4	OK	PAGE 120
1.2	7662	3.14	1160	11.0	MSEP310L4	--	90S-4	OK	PAGE 150
1.3	7199	1.65	1090	7.5	MSEP307L4	--	90S-4	OK	PAGE 130
1.3	7199	2.23	1090	7.5	MSEP309L4	--	90S-4	OK	PAGE 140
1.4	6776	1.16	1026	6.0	MSEP306L4	--	90S-4	OK	PAGE 120
1.5	6034	1.82	914	7.5	MSEP307L4	--	90S-4	OK	PAGE 130
1.5	6034	2.73	914	7.5	MSEP309L4	--	90S-4	OK	PAGE 140
1.7	5577	3.55	845	14.0	--	MSEP310R4	90S-4	OK	PAGE 150
1.7	5429	1.40	822	6.0	MSEP306L4	--	90S-4	OK	PAGE 120
1.7	5325	0.99	806	6.0	MSEP305L4	--	90S-4	OK	PAGE 110
1.8	5068	2.15	768	7.5	MSEP307L4	--	90S-4	OK	PAGE 130
1.9	4918	1.07	745	6.0	MSEP305L4	--	90S-4	OK	PAGE 110
1.9	4827	1.98	731	6.0	MSEP306L4	--	90S-4	OK	PAGE 120
2.0	4712	1.24	714	12.0	--	MSEP306R4	90S-4	OK	PAGE 120
2.2	4140	2.07	627	14.0	--	MSEP307R4	90S-4	OK	PAGE 130
2.2	4140	3.31	627	14.0	--	MSEP309R4	90S-4	OK	PAGE 140
2.3	4102	1.24	621	6.0	MSEP305L4	--	90S-4	OK	PAGE 110
2.4	3904	2.73	591	7.5	MSEP307L4	--	90S-4	OK	PAGE 130
2.4	3868	2.40	586	6.0	MSEP306L4	--	90S-4	OK	PAGE 120

MSEP300 series gear motor

P1=1.1KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
2.4	3844	1.65	582	12.0	--	MSEP306R4	90S-4	OK	PAGE 120
2.6	3508	0.99	531	12.0	--	MSEP305R4	90S-4	OK	PAGE 110
2.6	3488	2.73	528	14.0	--	MSEP307R4	90S-4	OK	PAGE 130
2.9	3141	1.98	476	12.0	--	MSEP306R4	90S-4	OK	PAGE 120
3.0	3129	3.31	474	7.5	MSEP307L4	--	90S-4	OK	PAGE 130
3.0	3124	1.65	473	6.0	MSEP305L4	--	90S-4	OK	PAGE 110
3.1	2980	3.14	451	6.0	MSEP306L4	--	90S-4	OK	PAGE 120
3.2	2850	3.31	432	14.0	--	MSEP307R4	90S-4	OK	PAGE 130
3.3	2811	1.57	426	12.0	--	MSEP305R4	90S-4	OK	PAGE 110
3.4	2727	1.90	413	6.0	MSEP305L4	--	90S-4	OK	PAGE 110
3.7	2517	2.40	381	12.0	--	MSEP306R4	90S-4	OK	PAGE 120
3.8	2407	0.99	364	6.0	MSEP303L4	--	90S-4	OK	PAGE 100
3.8	2407	2.15	364	6.0	MSEP305L4	--	90S-4	OK	PAGE 110
3.9	2361	1.07	358	12.0	--	MSEP303R4	90S-4	OK	PAGE 100
3.9	2361	2.15	358	12.0	--	MSEP305R4	90S-4	OK	PAGE 110
4.0	2413	1.20	353	7.5	MSEP305L3	--	90S-4	OK	PAGE 110
4.0	2377	2.24	348	7.5	MSEP306L3	--	90S-4	OK	PAGE 120
4.1	2259	2.64	342	12.0	--	MSEP306R4	90S-4	OK	PAGE 120
4.4	2101	1.07	318	6.0	MSEP303L4	--	90S-4	OK	PAGE 100
4.4	2101	2.40	318	6.0	MSEP305L4	--	90S-4	OK	PAGE 110
4.8	1925	0.91	292	10.0	--	MSEP301R4	90S-4	OK	PAGE 90
4.9	1892	1.32	287	12.0	--	MSEP303R4	90S-4	OK	PAGE 100
4.9	1892	2.73	287	12.0	--	MSEP305R4	90S-4	OK	PAGE 110
4.9	1939	3.36	284	7.5	MSEP306L3	--	90S-4	OK	PAGE 120
5.0	1833	1.24	278	6.0	MSEP303L4	--	90S-4	OK	PAGE 100
5.0	1833	2.73	278	6.0	MSEP305L4	--	90S-4	OK	PAGE 110
5.4	1770	0.96	259	7.5	MSEP303L3	--	90S-4	OK	PAGE 100
5.4	1770	1.92	259	7.5	MSEP305L3	--	90S-4	OK	PAGE 110
6.0	1542	1.07	234	10.0	--	MSEP301R4	90S-4	OK	PAGE 90
6.1	1573	1.04	230	7.5	MSEP301L3	--	90S-4	OK	PAGE 90
6.3	1466	1.16	222	10.0	--	MSEP301R4	90S-4	OK	PAGE 90
6.3	1458	1.65	221	12.0	--	MSEP303R4	90S-4	OK	PAGE 100
6.3	1458	3.31	221	12.0	--	MSEP305R4	90S-4	OK	PAGE 110
6.7	1418	1.44	208	7.5	MSEP303L3	--	90S-4	OK	PAGE 100
6.7	1418	3.04	208	7.5	MSEP305L3	--	90S-4	OK	PAGE 110
7.6	1260	1.28	185	7.5	MSEP301L3	--	90S-4	OK	PAGE 90
7.8	1188	1.40	180	10.0	--	MSEP301R4	90S-4	OK	PAGE 90
8.0	1191	2.08	174	7.5	MSEP303L3	--	90S-4	OK	PAGE 100
8.3	1110	2.15	168	12.0	--	MSEP303R4	90S-4	OK	PAGE 100
9.5	969	2.40	147	12.0	--	MSEP303R4	90S-4	OK	PAGE 100
9.8	971	0.88	142	7.5	MSEP300L3	--	90S-4	OK	PAGE 80
9.8	971	1.60	142	7.5	MSEP301L3	--	90S-4	OK	PAGE 90
10.0	954	2.56	140	7.5	MSEP303L3	--	90S-4	OK	PAGE 100
10.3	895	0.91	135	10.0	--	MSEP300R4	90S-4	OK	PAGE 80
10.3	895	1.82	135	10.0	--	MSEP301R4	90S-4	OK	PAGE 90
10.8	855	2.64	130	12.0	--	MSEP303R4	90S-4	OK	PAGE 100
12.3	778	1.04	114	7.5	MSEP300L3	--	90S-4	OK	PAGE 80
12.3	778	1.92	114	7.5	MSEP301L3	--	90S-4	OK	PAGE 90
12.4	747	2.98	113	12.0	--	MSEP303R4	90S-4	OK	PAGE 100
12.9	739	1.12	108	7.5	MSEP300L3	--	90S-4	OK	PAGE 80
12.9	739	2.00	108	7.5	MSEP301L3	--	90S-4	OK	PAGE 90

MSEP300 series gear motor

P1=1.1KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
13.0	735	3.20	108	7.5	MSEP303L3	--	90S-4	OK	PAGE 100
13.2	726	1.52	106	12.0	--	MSEP301R3	90S-4	OK	PAGE 90
13.4	689	1.16	104	10.0	--	MSEP300R4	90S-4	OK	PAGE 80
13.4	689	2.23	104	10.0	--	MSEP301R4	90S-4	OK	PAGE 90
13.9	687	2.40	101	14.0	--	MSEP303R3	90S-4	OK	PAGE 100
14.2	651	3.31	98.6	12.0	--	MSEP303R4	90S-4	OK	PAGE 100
15.9	599	1.36	87.8	7.5	MSEP300L3	--	90S-4	OK	PAGE 80
15.9	599	2.40	87.8	7.5	MSEP301L3	--	90S-4	OK	PAGE 90
16.4	581	1.04	85.2	12.0	--	MSEP300R3	90S-4	OK	PAGE 80
16.4	581	2.16	85.2	12.0	--	MSEP301R3	90S-4	OK	PAGE 90
17.0	561	2.96	82.2	14.0	--	MSEP303R3	90S-4	OK	PAGE 100
17.6	525	1.49	79.5	10.0	--	MSEP300R4	90S-4	OK	PAGE 80
17.6	525	2.89	79.5	10.0	--	MSEP301R4	90S-4	OK	PAGE 90
19.0	504	3.36	73.8	14.0	--	MSEP303R3	90S-4	OK	PAGE 100
21.2	451	1.76	66.1	7.5	MSEP300L3	--	90S-4	OK	PAGE 80
21.2	451	3.04	66.1	7.5	MSEP301L3	--	90S-4	OK	PAGE 90
21.3	448	1.76	65.6	12.0	--	MSEP300R3	90S-4	OK	PAGE 80
21.3	448	3.28	65.6	12.0	--	MSEP301R3	90S-4	OK	PAGE 90
26.6	359	2.16	52.6	12.0	--	MSEP300R3	90S-4	OK	PAGE 80
27.0	366	1.47	51.8	7.5	MSEP300L2	--	90S-4	OK	PAGE 80
27.0	366	2.79	51.8	7.5	MSEP301L2	--	90S-4	OK	PAGE 90
27.5	348	2.24	50.9	7.5	MSEP300L3	--	90S-4	OK	PAGE 80
33.7	293	2.17	41.5	7.5	MSEP300L2	--	90S-4	OK	PAGE 80
34.6	276	2.64	40.5	12.0	--	MSEP300R3	90S-4	OK	PAGE 80
36.1	265	2.80	38.8	7.5	MSEP300L3	--	90S-4	OK	PAGE 80
43.8	226	3.17	32.0	7.5	MSEP300L2	--	90S-4	OK	PAGE 80
45.4	211	3.36	30.8	12.0	--	MSEP300R3	90S-4	OK	PAGE 80

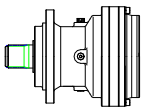
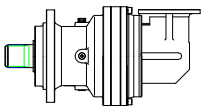
MSEP300 series gear motor

P1=1.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
0.59	21369	1.09	2373	11.0	MSEP310L4	--	90L-4	OK	PAGE 150
0.64	19828	0.85	2202	7.5	MSEP309L4	--	90L-4	OK	PAGE 140
0.72	17435	1.33	1937	11.0	MSEP310L4	--	90L-4	OK	PAGE 150
0.73	17159	1.88	1906	11.0	MSEP311L4	--	90L-4	OK	PAGE 160
0.75	16735	2.73	1859	11.0	MSEP313L4	--	90L-4	OK	PAGE 170
0.75	16707	0.97	1856	7.5	MSEP309L4	--	90L-4	OK	PAGE 140
0.87	14458	2.61	1606	11.0	MSEP311L4	--	90L-4	OK	PAGE 160
0.88	14247	1.52	1582	11.0	MSEP310L4	--	90L-4	OK	PAGE 150
0.89	14114	3.45	1568	11.0	MSEP313L4	--	90L-4	OK	PAGE 170
0.92	13652	1.27	1516	7.5	MSEP309L4	--	90L-4	OK	PAGE 140
1.0	12786	2.00	1420	11.0	MSEP310L4	--	90L-4	OK	PAGE 150
1.0	12182	3.03	1353	11.0	MSEP311L4	--	90L-4	OK	PAGE 160
1.1	11416	1.82	1268	11.0	MSEP310L4	--	90L-4	OK	PAGE 150
1.2	10939	1.03	1215	7.5	MSEP307L4	--	90L-4	OK	PAGE 130
1.2	10939	1.52	1215	7.5	MSEP309L4	--	90L-4	OK	PAGE 140

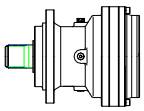
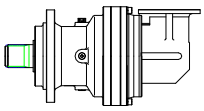
MSEP300 series gear motor

P1=1.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
1.2	10448	2.30	1160	11.0	MSEP310L4	--	90L-4	OK	PAGE 150
1.3	9817	1.21	1090	7.5	MSEP307L4	--	90L-4	OK	PAGE 130
1.3	9817	1.64	1090	7.5	MSEP309L4	--	90L-4	OK	PAGE 140
1.4	9240	0.85	1026	6.0	MSEP306L4	--	90L-4	OK	PAGE 120
1.5	8372	2.67	930	11.0	MSEP310L4	--	90L-4	OK	PAGE 150
1.5	8228	1.33	914	7.5	MSEP307L4	--	90L-4	OK	PAGE 130
1.5	8228	2.00	914	7.5	MSEP309L4	--	90L-4	OK	PAGE 140
1.7	7605	2.61	845	14.0	--	MSEP310R4	90L-4	OK	PAGE 150
1.7	7513	2.91	834	11.0	MSEP310L4	--	90L-4	OK	PAGE 150
1.7	7404	1.03	822	6.0	MSEP306L4	--	90L-4	OK	PAGE 120
1.8	6911	1.58	768	7.5	MSEP307L4	--	90L-4	OK	PAGE 130
1.8	6911	2.73	768	7.5	MSEP309L4	--	90L-4	OK	PAGE 140
1.9	6582	1.45	731	6.0	MSEP306L4	--	90L-4	OK	PAGE 120
2.0	6425	0.91	714	12.0	--	MSEP306R4	90L-4	OK	PAGE 120
2.0	6416	3.39	713	11.0	MSEP310L4	--	90L-4	OK	PAGE 150
2.0	6205	3.03	689	14.0	--	MSEP310R4	90L-4	OK	PAGE 150
2.2	5645	1.52	627	14.0	--	MSEP307R4	90L-4	OK	PAGE 130
2.2	5645	2.42	627	14.0	--	MSEP309R4	90L-4	OK	PAGE 140
2.3	5594	0.91	621	6.0	MSEP305L4	--	90L-4	OK	PAGE 110
2.4	5324	2.00	591	7.5	MSEP307L4	--	90L-4	OK	PAGE 130
2.4	5324	3.33	591	7.5	MSEP309L4	--	90L-4	OK	PAGE 140
2.4	5274	1.76	586	6.0	MSEP306L4	--	90L-4	OK	PAGE 120
2.4	5242	1.21	582	12.0	--	MSEP306R4	90L-4	OK	PAGE 120
2.5	5071	3.64	563	14.0	--	MSEP310R4	90L-4	OK	PAGE 150
2.6	4757	2.00	528	14.0	--	MSEP307R4	90L-4	OK	PAGE 130
2.6	4757	2.73	528	14.0	--	MSEP309R4	90L-4	OK	PAGE 140
2.9	4284	1.45	476	12.0	--	MSEP306R4	90L-4	OK	PAGE 120
3.0	4266	2.42	474	7.5	MSEP307L4	--	90L-4	OK	PAGE 130
3.0	4260	1.21	473	6.0	MSEP305L4	--	90L-4	OK	PAGE 110
3.1	4063	2.30	451	6.0	MSEP306L4	--	90L-4	OK	PAGE 120
3.2	3887	2.42	432	14.0	--	MSEP307R4	90L-4	OK	PAGE 130
3.3	3833	1.15	426	12.0	--	MSEP305R4	90L-4	OK	PAGE 110
3.4	3719	1.39	413	6.0	MSEP305L4	--	90L-4	OK	PAGE 110
3.7	3432	1.76	381	12.0	--	MSEP306R4	90L-4	OK	PAGE 120
3.8	3287	3.03	365	7.5	MSEP307L4	--	90L-4	OK	PAGE 130
3.8	3282	1.58	364	6.0	MSEP305L4	--	90L-4	OK	PAGE 110
3.9	3220	1.58	358	12.0	--	MSEP305R4	90L-4	OK	PAGE 110
4.0	3291	0.88	353	7.5	MSEP305L3	--	90L-4	OK	PAGE 110
4.0	3241	1.64	348	7.5	MSEP306L3	--	90L-4	OK	PAGE 120
4.0	3115	3.03	346	14.0	--	MSEP307R4	90L-4	OK	PAGE 130
4.1	3094	2.97	344	6.0	MSEP306L4	--	90L-4	OK	PAGE 120
4.1	3080	1.94	342	12.0	--	MSEP306R4	90L-4	OK	PAGE 120
4.4	2865	1.76	318	6.0	MSEP305L4	--	90L-4	OK	PAGE 110
4.5	2795	3.33	310	14.0	--	MSEP307R4	90L-4	OK	PAGE 130
4.6	2848	2.93	306	11.0	MSEP307L3	--	90L-4	OK	PAGE 130
4.8	2631	2.91	292	12.0	--	MSEP306R4	90L-4	OK	PAGE 120
4.9	2580	0.97	287	12.0	--	MSEP303R4	90L-4	OK	PAGE 100
4.9	2580	2.00	287	12.0	--	MSEP305R4	90L-4	OK	PAGE 110
4.9	2644	2.46	284	7.5	MSEP306L3	--	90L-4	OK	PAGE 120
5.0	2499	0.91	278	6.0	MSEP303L4	--	90L-4	OK	PAGE 100
5.0	2499	2.00	278	6.0	MSEP305L4	--	90L-4	OK	PAGE 110

MSEP300 series gear motor

P1=1.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
5.4	2413	1.41	259	7.5	MSEP305L3	--	90L-4	OK	PAGE 110
6.0	2161	2.99	232	7.5	MSEP306L3	--	90L-4	OK	PAGE 120
6.3	1999	0.85	222	10.0	--	MSEP301R4	90L-4	OK	PAGE 90
6.3	1988	1.21	221	12.0	--	MSEP303R4	90L-4	OK	PAGE 100
6.3	1988	2.42	221	12.0	--	MSEP305R4	90L-4	OK	PAGE 110
6.7	1934	1.05	208	7.5	MSEP303L3	--	90L-4	OK	PAGE 100
6.7	1934	2.23	208	7.5	MSEP305L3	--	90L-4	OK	PAGE 110
7.6	1719	0.94	185	7.5	MSEP301L3	--	90L-4	OK	PAGE 90
7.8	1620	1.03	180	10.0	--	MSEP301R4	90L-4	OK	PAGE 90
8.0	1624	1.52	174	7.5	MSEP303L3	--	90L-4	OK	PAGE 100
8.0	1624	2.93	174	7.5	MSEP305L3	--	90L-4	OK	PAGE 110
8.3	1514	1.58	168	12.0	--	MSEP303R4	90L-4	OK	PAGE 100
8.3	1514	2.73	168	12.0	--	MSEP305R4	90L-4	OK	PAGE 110
9.5	1321	1.76	147	12.0	--	MSEP303R4	90L-4	OK	PAGE 100
9.5	1321	3.03	147	12.0	--	MSEP305R4	90L-4	OK	PAGE 110
9.8	1324	1.17	142	7.5	MSEP301L3	--	90L-4	OK	PAGE 90
10.0	1302	1.88	140	7.5	MSEP303L3	--	90L-4	OK	PAGE 100
10.3	1220	1.33	135	10.0	--	MSEP301R4	90L-4	OK	PAGE 90
10.8	1166	1.94	130	12.0	--	MSEP303R4	90L-4	OK	PAGE 100
10.8	1166	3.33	130	12.0	--	MSEP305R4	90L-4	OK	PAGE 110
12.3	1061	1.41	114	7.5	MSEP301L3	--	90L-4	OK	PAGE 90
12.4	1018	2.18	113	12.0	--	MSEP303R4	90L-4	OK	PAGE 100
12.9	1008	1.47	108	7.5	MSEP301L3	--	90L-4	OK	PAGE 90
13.0	1003	2.34	108	7.5	MSEP303L3	--	90L-4	OK	PAGE 100
13.2	989	1.11	106	12.0	--	MSEP301R3	90L-4	OK	PAGE 90
13.4	940	0.85	104	10.0	--	MSEP300R4	90L-4	OK	PAGE 80
13.4	940	1.64	104	10.0	--	MSEP301R4	90L-4	OK	PAGE 90
13.9	937	1.76	101	14.0	--	MSEP303R3	90L-4	OK	PAGE 100
13.9	937	3.11	101	14.0	--	MSEP305R3	90L-4	OK	PAGE 110
14.2	888	2.42	98.6	12.0	--	MSEP303R4	90L-4	OK	PAGE 100
15.9	817	1.00	87.8	7.5	MSEP300L3	--	90L-4	OK	PAGE 80
15.9	817	1.76	87.8	7.5	MSEP301L3	--	90L-4	OK	PAGE 90
16.4	793	1.58	85.2	12.0	--	MSEP301R3	90L-4	OK	PAGE 90
17.0	766	2.17	82.2	14.0	--	MSEP303R3	90L-4	OK	PAGE 100
17.1	764	2.93	82.0	7.5	MSEP303L3	--	90L-4	OK	PAGE 100
17.6	716	1.09	79.5	10.0	--	MSEP300R4	90L-4	OK	PAGE 80
17.6	716	2.12	79.5	10.0	--	MSEP301R4	90L-4	OK	PAGE 90
19.0	687	2.46	73.8	14.0	--	MSEP303R3	90L-4	OK	PAGE 100
19.6	667	3.22	71.6	7.5	MSEP303L3	--	90L-4	OK	PAGE 100
21.2	615	1.29	66.1	7.5	MSEP300L3	--	90L-4	OK	PAGE 80
21.2	615	2.23	66.1	7.5	MSEP301L3	--	90L-4	OK	PAGE 90
21.2	613	2.64	65.9	14.0	--	MSEP303R3	90L-4	OK	PAGE 100
21.3	611	1.29	65.6	12.0	--	MSEP300R3	90L-4	OK	PAGE 80
21.3	611	2.40	65.6	12.0	--	MSEP301R3	90L-4	OK	PAGE 90
22.8	573	3.28	61.5	14.0	--	MSEP303R3	90L-4	OK	PAGE 100
23.7	551	2.81	59.1	14.0	--	MSEP303R3	90L-4	OK	PAGE 100
26.6	489	1.58	52.6	12.0	--	MSEP300R3	90L-4	OK	PAGE 80
26.6	489	2.93	52.6	12.0	--	MSEP301R3	90L-4	OK	PAGE 90
27.0	499	1.08	51.8	7.5	MSEP300L2	--	90L-4	OK	PAGE 80
27.0	499	2.04	51.8	7.5	MSEP301L2	--	90L-4	OK	PAGE 90
27.5	474	1.64	50.9	7.5	MSEP300L3	--	90L-4	OK	PAGE 80

MSEP300 series gear motor

P1=1.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
27.5	474	2.87	50.9	7.5	MSEP301L3	--	90L-4	OK	PAGE 90
28.5	472	3.40	49.1	9.0	MSEP303L2	--	90L-4	OK	PAGE 100
33.7	399	1.59	41.5	7.5	MSEP300L2	--	90L-4	OK	PAGE 80
33.7	399	2.95	41.5	7.5	MSEP301L2	--	90L-4	OK	PAGE 90
34.6	377	1.93	40.5	12.0	--	MSEP300R3	90L-4	OK	PAGE 80
36.1	361	2.05	38.8	7.5	MSEP300L3	--	90L-4	OK	PAGE 80
43.8	308	2.33	32.0	7.5	MSEP300L2	--	90L-4	OK	PAGE 80
45.4	287	2.46	30.8	12.0	--	MSEP300R3	90L-4	OK	PAGE 80
54.6	247	2.84	25.6	7.5	MSEP300L2	--	90L-4	OK	PAGE 80
59.6	219	2.93	23.5	12.0	--	MSEP300R3	90L-4	OK	PAGE 80
94.9	142	2.84	14.8	12.0	--	MSEP300R2	90L-4	OK	PAGE 80

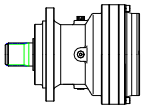
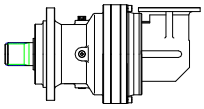
MSEP300 series gear motor

P1=2.2KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
0.7	27122	2.89	2054	18.0	MSEP315L4	--	100L1-4	OK	PAGE 180
0.72	25572	0.91	1937	11.0	MSEP310L4	--	100L1-4	OK	PAGE 150
0.73	25166	1.28	1906	11.0	MSEP311L4	--	100L1-4	OK	PAGE 160
0.75	24545	1.86	1859	11.0	MSEP313L4	--	100L1-4	OK	PAGE 170
0.87	21205	1.78	1606	11.0	MSEP311L4	--	100L1-4	OK	PAGE 160
0.88	20896	1.03	1582	11.0	MSEP310L4	--	100L1-4	OK	PAGE 150
0.89	20700	2.36	1568	11.0	MSEP313L4	--	100L1-4	OK	PAGE 170
0.92	20023	0.87	1516	7.5	MSEP309L4	--	100L1-4	OK	PAGE 140
1.0	18753	1.36	1420	11.0	MSEP310L4	--	100L1-4	OK	PAGE 150
1.0	17867	2.07	1353	11.0	MSEP311L4	--	100L1-4	OK	PAGE 160
1.1	17442	2.77	1321	11.0	MSEP313L4	--	100L1-4	OK	PAGE 170
1.1	16743	1.24	1268	11.0	MSEP310L4	--	100L1-4	OK	PAGE 150
1.2	16044	1.03	1215	7.5	MSEP309L4	--	100L1-4	OK	PAGE 140
1.2	15324	1.57	1160	11.0	MSEP310L4	--	100L1-4	OK	PAGE 150
1.3	14600	2.48	1106	11.0	MSEP311L4	--	100L1-4	OK	PAGE 160
1.3	14398	1.12	1090	7.5	MSEP309L4	--	100L1-4	OK	PAGE 140
1.3	14252	3.31	1079	11.0	MSEP313L4	--	100L1-4	OK	PAGE 170
1.5	12279	1.82	930	11.0	MSEP310L4	--	100L1-4	OK	PAGE 150
1.5	12067	0.91	914	7.5	MSEP307L4	--	100L1-4	OK	PAGE 130
1.5	12067	1.36	914	7.5	MSEP309L4	--	100L1-4	OK	PAGE 140
1.6	11699	3.02	886	11.0	MSEP311L4	--	100L1-4	OK	PAGE 160
1.7	11154	1.78	845	14.0	--	MSEP310R4	100L1-4	OK	PAGE 150
1.7	11019	1.98	834	11.0	MSEP310L4	--	100L1-4	OK	PAGE 150
1.8	10499	3.31	795	11.0	MSEP311L4	--	100L1-4	OK	PAGE 160
1.8	10136	1.07	768	7.5	MSEP307L4	--	100L1-4	OK	PAGE 130
1.8	10136	1.86	768	7.5	MSEP309L4	--	100L1-4	OK	PAGE 140
1.9	9654	0.99	731	6.0	MSEP306L4	--	100L1-4	OK	PAGE 120
2.0	9411	2.31	713	11.0	MSEP310L4	--	100L1-4	OK	PAGE 150
2.0	9101	2.07	689	14.0	--	MSEP310R4	100L1-4	OK	PAGE 150
2.2	8280	1.03	627	14.0	--	MSEP307R4	100L1-4	OK	PAGE 130
2.2	8280	1.65	627	14.0	--	MSEP309R4	100L1-4	OK	PAGE 140

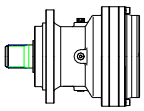
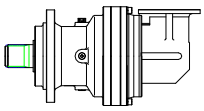
MSEP300 series gear motor

P1=2.2KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
2.3	7981	2.69	604	11.0	MSEP310L4	--	100L1-4	OK	PAGE 150
2.4	7809	1.36	591	7.5	MSEP307L4	--	100L1-4	OK	PAGE 130
2.4	7809	2.27	591	7.5	MSEP309L4	--	100L1-4	OK	PAGE 140
2.4	7735	1.20	586	6.0	MSEP306L4	--	100L1-4	OK	PAGE 120
2.5	7437	2.48	563	14.0	--	MSEP310R4	100L1-4	OK	PAGE 150
2.6	6977	1.36	528	14.0	--	MSEP307R4	100L1-4	OK	PAGE 130
2.6	6977	1.86	528	14.0	--	MSEP309R4	100L1-4	OK	PAGE 140
2.8	6704	3.51	508	11.0	MSEP310L4	--	100L1-4	OK	PAGE 150
2.8	6674	3.18	505	14.0	--	MSEP310R4	100L1-4	OK	PAGE 150
2.9	6283	0.99	476	12.0	--	MSEP306R4	100L1-4	OK	PAGE 120
3.0	6257	1.65	474	7.5	MSEP307L4	--	100L1-4	OK	PAGE 130
3.0	6257	2.69	474	7.5	MSEP309L4	--	100L1-4	OK	PAGE 140
3.1	5959	1.57	451	6.0	MSEP306L4	--	100L1-4	OK	PAGE 120
3.2	5701	1.65	432	14.0	--	MSEP307R4	100L1-4	OK	PAGE 130
3.2	5701	2.89	432	14.0	--	MSEP309R4	100L1-4	OK	PAGE 140
3.4	5454	0.95	413	6.0	MSEP305L4	--	100L1-4	OK	PAGE 110
3.7	5034	1.20	381	12.0	--	MSEP306R4	100L1-4	OK	PAGE 120
3.8	4820	2.07	365	7.5	MSEP307L4	--	100L1-4	OK	PAGE 130
3.8	4820	3.31	365	7.5	MSEP309L4	--	100L1-4	OK	PAGE 140
3.8	4813	1.07	364	6.0	MSEP305L4	--	100L1-4	OK	PAGE 110
3.9	4723	1.07	358	12.0	--	MSEP305R4	100L1-4	OK	PAGE 110
4.0	4753	1.12	348	7.5	MSEP306L3	--	100L1-4	OK	PAGE 120
4.0	4753	1.12	348	7.5	MSEP306L3	--	100L1-4	OK	PAGE 120
4.0	4568	2.07	346	14.0	--	MSEP307R4	100L1-4	OK	PAGE 130
4.0	4568	3.31	346	14.0	--	MSEP309R4	100L1-4	OK	PAGE 140
4.1	4538	2.02	344	6.0	MSEP306L4	--	100L1-4	OK	PAGE 120
4.1	4518	1.32	342	12.0	--	MSEP306R4	100L1-4	OK	PAGE 120
4.4	4202	1.20	318	6.0	MSEP305L4	--	100L1-4	OK	PAGE 110
4.5	4100	2.27	310	14.0	--	MSEP307R4	100L1-4	OK	PAGE 130
4.6	4177	2.00	306	11.0	MSEP307L3	--	100L1-4	OK	PAGE 130
4.6	4177	2.80	306	11.0	MSEP309L3	--	100L1-4	OK	PAGE 140
4.8	3858	1.98	292	12.0	--	MSEP306R4	100L1-4	OK	PAGE 120
4.9	3784	1.36	287	12.0	--	MSEP305R4	100L1-4	OK	PAGE 110
4.9	3878	1.68	284	7.5	MSEP306L3	--	100L1-4	OK	PAGE 120
4.9	3878	1.68	284	7.5	MSEP306L3	--	100L1-4	OK	PAGE 120
5.0	3671	2.48	278	7.5	MSEP307L4	--	100L1-4	OK	PAGE 130
5.0	3665	1.36	278	6.0	MSEP305L4	--	100L1-4	OK	PAGE 110
5.3	3479	2.56	263	6.0	MSEP306L4	--	100L1-4	OK	PAGE 120
5.4	3436	2.48	260	14.0	--	MSEP307R4	100L1-4	OK	PAGE 130
5.4	3539	0.96	259	7.5	MSEP305L3	--	100L1-4	OK	PAGE 110
5.4	3519	2.80	258	11.0	MSEP307L3	--	100L1-4	OK	PAGE 130
6.0	3169	2.04	232	7.5	MSEP306L3	--	100L1-4	OK	PAGE 120
6.0	3169	2.04	232	7.5	MSEP306L3	--	100L1-4	OK	PAGE 120
6.3	2915	1.65	221	12.0	--	MSEP305R4	100L1-4	OK	PAGE 110
6.4	2886	2.89	219	14.0	--	MSEP307R4	100L1-4	OK	PAGE 130
6.6	2876	3.20	211	11.0	MSEP307L3	--	100L1-4	OK	PAGE 130
6.7	2749	3.10	208	12.0	--	MSEP306R4	100L1-4	OK	PAGE 120
6.7	2836	1.52	208	7.5	MSEP305L3	--	100L1-4	OK	PAGE 110
6.9	2680	3.31	203	6.0	MSEP306L4	--	100L1-4	OK	PAGE 120
8.0	2382	1.04	174	7.5	MSEP303L3	--	100L1-4	OK	PAGE 100
8.0	2382	2.00	174	7.5	MSEP305L3	--	100L1-4	OK	PAGE 110

MSEP300 series gear motor

P1=2.2KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
8.3	2220	1.07	168	12.0	--	MSEP303R4	100L1-4	OK	PAGE 100
8.3	2220	1.86	168	12.0	--	MSEP305R4	100L1-4	OK	PAGE 110
8.4	2279	2.76	167	7.5	MSEP306L3	--	100L1-4	OK	PAGE 120
8.4	2279	2.76	167	7.5	MSEP306L3	--	100L1-4	OK	PAGE 120
9.5	1938	1.20	147	12.0	--	MSEP303R4	100L1-4	OK	PAGE 100
9.5	1938	2.07	147	12.0	--	MSEP305R4	100L1-4	OK	PAGE 110
10.0	1909	1.28	140	7.5	MSEP303L3	--	100L1-4	OK	PAGE 100
10.0	1909	2.48	140	7.5	MSEP305L3	--	100L1-4	OK	PAGE 110
10.3	1789	0.91	135	10.0	--	MSEP301R4	100L1-4	OK	PAGE 90
10.8	1710	1.32	130	12.0	--	MSEP303R4	100L1-4	OK	PAGE 100
10.8	1710	2.27	130	12.0	--	MSEP305R4	100L1-4	OK	PAGE 110
12.3	1556	0.96	114	7.5	MSEP301L3	--	100L1-4	OK	PAGE 90
12.4	1493	1.49	113	12.0	--	MSEP303R4	100L1-4	OK	PAGE 100
12.4	1493	2.52	113	12.0	--	MSEP305R4	100L1-4	OK	PAGE 110
12.9	1479	1.00	108	7.5	MSEP301L3	--	100L1-4	OK	PAGE 90
13.0	1471	1.60	108	7.5	MSEP303L3	--	100L1-4	OK	PAGE 100
13.0	1471	2.80	108	7.5	MSEP305L3	--	100L1-4	OK	PAGE 110
13.4	1378	1.12	104	10.0	--	MSEP301R4	100L1-4	OK	PAGE 90
13.9	1374	1.20	101	14.0	--	MSEP303R3	100L1-4	OK	PAGE 100
13.9	1374	2.12	101	14.0	--	MSEP305R3	100L1-4	OK	PAGE 110
14.2	1302	1.65	98.6	12.0	--	MSEP303R4	100L1-4	OK	PAGE 100
14.2	1302	2.89	98.6	12.0	--	MSEP305R4	100L1-4	OK	PAGE 110
15.9	1199	1.20	87.8	7.5	MSEP301L3	--	100L1-4	OK	PAGE 90
16.4	1163	1.08	85.2	12.0	--	MSEP301R3	100L1-4	OK	PAGE 90
17.0	1123	1.48	82.2	14.0	--	MSEP303R3	100L1-4	OK	PAGE 100
17.0	1123	2.80	82.2	14.0	--	MSEP305R3	100L1-4	OK	PAGE 110
17.1	1120	2.00	82.0	7.5	MSEP303L3	--	100L1-4	OK	PAGE 100
17.6	1050	1.45	79.5	10.0	--	MSEP301R4	100L1-4	OK	PAGE 90
19.0	1008	1.68	73.8	14.0	--	MSEP303R3	100L1-4	OK	PAGE 100
19.6	978	2.20	71.6	7.5	MSEP303L3	--	100L1-4	OK	PAGE 100
21.2	902	0.88	66.1	7.5	MSEP300L3	--	100L1-4	OK	PAGE 80
21.2	902	1.52	66.1	7.5	MSEP301L3	--	100L1-4	OK	PAGE 90
21.2	900	1.80	65.9	14.0	--	MSEP303R3	100L1-4	OK	PAGE 100
21.3	896	0.88	65.6	12.0	--	MSEP300R3	100L1-4	OK	PAGE 80
21.3	896	1.64	65.6	12.0	--	MSEP301R3	100L1-4	OK	PAGE 90
22.2	863	2.48	63.2	7.5	MSEP303L3	--	100L1-4	OK	PAGE 100
22.8	840	2.24	61.5	14.0	--	MSEP303R3	100L1-4	OK	PAGE 100
23.7	807	1.92	59.1	14.0	--	MSEP303R3	100L1-4	OK	PAGE 100
25.4	753	2.80	55.2	7.5	MSEP303L3	--	100L1-4	OK	PAGE 100
26.6	718	1.08	52.6	12.0	--	MSEP300R3	100L1-4	OK	PAGE 80
26.6	718	2.00	52.6	12.0	--	MSEP301R3	100L1-4	OK	PAGE 90
27.0	709	2.72	51.9	14.0	--	MSEP303R3	100L1-4	OK	PAGE 100
27.0	731	1.39	51.8	7.5	MSEP301L2	--	100L1-4	OK	PAGE 90
27.5	695	1.12	50.9	7.5	MSEP300L3	--	100L1-4	OK	PAGE 80
27.5	695	1.96	50.9	7.5	MSEP301L3	--	100L1-4	OK	PAGE 90
28.2	678	3.48	49.7	14.0	--	MSEP303R3	100L1-4	OK	PAGE 100
28.5	692	2.32	49.1	9.0	MSEP303L2	--	100L1-4	OK	PAGE 100
29.1	657	3.20	48.1	7.5	MSEP303L3	--	100L1-4	OK	PAGE 100
33.7	586	1.08	41.5	7.5	MSEP300L2	--	100L1-4	OK	PAGE 80
33.7	586	2.01	41.5	7.5	MSEP301L2	--	100L1-4	OK	PAGE 90
34.6	553	1.32	40.5	12.0	--	MSEP300R3	100L1-4	OK	PAGE 80

MSEP300 series gear motor

P1=2.2KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
34.6	553	2.52	40.5	12.0	--	MSEP301R3	100L1-4	OK	PAGE 90
34.9	566	3.09	40.1	9.0	MSEP303L2	--	100L1-4	OK	PAGE 100
36.1	529	1.40	38.8	7.5	MSEP300L3	--	100L1-4	OK	PAGE 80
36.1	529	2.40	38.8	7.5	MSEP301L3	--	100L1-4	OK	PAGE 90
43.8	451	1.59	32.0	7.5	MSEP300L2	--	100L1-4	OK	PAGE 80
43.8	451	2.90	32.0	7.5	MSEP301L2	--	100L1-4	OK	PAGE 90
45.4	421	1.68	30.8	12.0	--	MSEP300R3	100L1-4	OK	PAGE 80
45.4	421	3.08	30.8	12.0	--	MSEP301R3	100L1-4	OK	PAGE 90
54.6	362	1.93	25.6	7.5	MSEP300L2	--	100L1-4	OK	PAGE 80
54.6	362	3.17	25.6	7.5	MSEP301L2	--	100L1-4	OK	PAGE 90
59.6	321	2.00	23.5	12.0	--	MSEP300R3	100L1-4	OK	PAGE 80
59.6	321	3.20	23.5	12.0	--	MSEP301R3	100L1-4	OK	PAGE 90
70.9	279	2.40	19.8	7.5	MSEP300L2	--	100L1-4	OK	PAGE 80
93.1	212	2.90	15.0	7.5	MSEP300L2	--	100L1-4	OK	PAGE 80
94.9	208	1.93	14.8	12.0	--	MSEP300R2	100L1-4	OK	PAGE 80
118	167	2.90	11.8	12.0	--	MSEP300R2	100L1-4	OK	PAGE 80

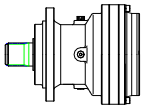
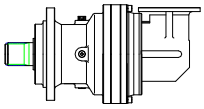
MSEP300 series gear motor

P1=3.0KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
0.7	36984	2.12	2054	18.0	MSEP315L4	--	100L2-4	OK	PAGE 180
0.73	34318	0.94	1906	11.0	MSEP311L4	--	100L2-4	OK	PAGE 160
0.75	33470	1.36	1859	11.0	MSEP313L4	--	100L2-4	OK	PAGE 170
0.8	31162	2.73	1731	18.0	MSEP315L4	--	100L2-4	OK	PAGE 180
0.87	28916	1.30	1606	11.0	MSEP311L4	--	100L2-4	OK	PAGE 160
0.89	28227	1.73	1568	11.0	MSEP313L4	--	100L2-4	OK	PAGE 170
1.0	25572	1.00	1420	11.0	MSEP310L4	--	100L2-4	OK	PAGE 150
1.0	25427	3.18	1412	18.0	MSEP315L4	--	100L2-4	OK	PAGE 180
1.0	24364	1.52	1353	11.0	MSEP311L4	--	100L2-4	OK	PAGE 160
1.1	23784	2.03	1321	11.0	MSEP313L4	--	100L2-4	OK	PAGE 170
1.1	22832	0.91	1268	11.0	MSEP310L4	--	100L2-4	OK	PAGE 150
1.1	22129	3.18	1229	18.0	MSEP315L4	--	100L2-4	OK	PAGE 180
1.2	20896	1.15	1160	11.0	MSEP310L4	--	100L2-4	OK	PAGE 150
1.3	19909	1.82	1106	11.0	MSEP311L4	--	100L2-4	OK	PAGE 160
1.3	19435	2.42	1079	11.0	MSEP313L4	--	100L2-4	OK	PAGE 170
1.5	16743	1.33	930	11.0	MSEP310L4	--	100L2-4	OK	PAGE 150
1.5	16455	1.00	914	7.5	MSEP309L4	--	100L2-4	OK	PAGE 140
1.6	15953	2.21	886	11.0	MSEP311L4	--	100L2-4	OK	PAGE 160
1.6	15573	2.73	865	11.0	MSEP313L4	--	100L2-4	OK	PAGE 170
1.7	15210	1.30	845	14.0	--	MSEP310R4	100L2-4	OK	PAGE 150
1.7	15026	1.45	834	11.0	MSEP310L4	--	100L2-4	OK	PAGE 150
1.8	14317	2.42	795	11.0	MSEP311L4	--	100L2-4	OK	PAGE 160
1.8	13976	3.03	776	11.0	MSEP313L4	--	100L2-4	OK	PAGE 170
1.8	13822	1.36	768	7.5	MSEP309L4	--	100L2-4	OK	PAGE 140
2.0	12833	1.70	713	11.0	MSEP310L4	--	100L2-4	OK	PAGE 150
2.0	12411	1.52	689	14.0	--	MSEP310R4	100L2-4	OK	PAGE 150

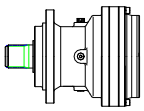
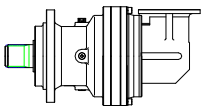
MSEP300 series gear motor

P1=3.0KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
2.1	11999	2.88	666	11.0	MSEP311L4	--	100L2-4	OK	PAGE 160
2.1	11912	3.33	662	22.0	--	MSEP313R4	100L2-4	OK	PAGE 170
2.2	11291	1.21	627	14.0	--	MSEP309R4	100L2-4	OK	PAGE 140
2.3	10883	1.97	604	11.0	MSEP310L4	--	100L2-4	OK	PAGE 150
2.4	10648	1.00	591	7.5	MSEP307L4	--	100L2-4	OK	PAGE 130
2.4	10648	1.67	591	7.5	MSEP309L4	--	100L2-4	OK	PAGE 140
2.4	10548	0.88	586	6.0	MSEP306L4	--	100L2-4	OK	PAGE 120
2.5	10141	1.82	563	14.0	--	MSEP310R4	100L2-4	OK	PAGE 150
2.5	10079	3.39	560	11.0	MSEP311L4	--	100L2-4	OK	PAGE 160
2.6	9771	2.88	543	22.0	--	MSEP311R4	100L2-4	OK	PAGE 160
2.6	9514	1.00	528	14.0	--	MSEP307R4	100L2-4	OK	PAGE 130
2.6	9514	1.36	528	14.0	--	MSEP309R4	100L2-4	OK	PAGE 140
2.8	9142	2.58	508	11.0	MSEP310L4	--	100L2-4	OK	PAGE 150
2.8	9101	2.33	505	14.0	--	MSEP310R4	100L2-4	OK	PAGE 150
3.0	8532	1.21	474	7.5	MSEP307L4	--	100L2-4	OK	PAGE 130
3.0	8532	1.97	474	7.5	MSEP309L4	--	100L2-4	OK	PAGE 140
3.1	8126	1.15	451	6.0	MSEP306L4	--	100L2-4	OK	PAGE 120
3.2	7774	1.21	432	14.0	--	MSEP307R4	100L2-4	OK	PAGE 130
3.2	7774	2.12	432	14.0	--	MSEP309R4	100L2-4	OK	PAGE 140
3.3	7679	2.88	426	11.0	MSEP310L4	--	100L2-4	OK	PAGE 150
3.4	7437	2.82	413	14.0	--	MSEP310R4	100L2-4	OK	PAGE 150
3.8	6674	3.09	371	14.0	--	MSEP310R4	100L2-4	OK	PAGE 150
3.8	6573	1.52	365	7.5	MSEP307L4	--	100L2-4	OK	PAGE 130
3.8	6573	2.42	365	7.5	MSEP309L4	--	100L2-4	OK	PAGE 140
4.0	6229	1.52	346	14.0	--	MSEP307R4	100L2-4	OK	PAGE 130
4.0	6229	2.42	346	14.0	--	MSEP309R4	100L2-4	OK	PAGE 140
4.1	6188	1.48	344	6.0	MSEP306L4	--	100L2-4	OK	PAGE 120
4.1	6161	0.97	342	12.0	--	MSEP306R4	100L2-4	OK	PAGE 120
4.2	6138	2.78	330	18.0	MSEP310L3	--	100L2-4	OK	PAGE 150
4.3	5916	3.64	329	11.0	MSEP310L4	--	100L2-4	OK	PAGE 150
4.4	5730	0.88	318	6.0	MSEP305L4	--	100L2-4	OK	PAGE 110
4.5	5590	1.67	310	14.0	--	MSEP307R4	100L2-4	OK	PAGE 130
4.5	5590	2.73	310	14.0	--	MSEP309R4	100L2-4	OK	PAGE 140
4.6	5696	1.47	306	11.0	MSEP307L3	--	100L2-4	OK	PAGE 130
4.8	5261	1.45	292	12.0	--	MSEP306R4	100L2-4	OK	PAGE 120
4.9	5160	1.00	287	12.0	--	MSEP305R4	100L2-4	OK	PAGE 110
4.9	5289	1.23	284	7.5	MSEP306L3	--	100L2-4	OK	PAGE 120
5.0	5006	1.82	278	7.5	MSEP307L4	--	100L2-4	OK	PAGE 130
5.0	5006	3.03	278	7.5	MSEP309L4	--	100L2-4	OK	PAGE 140
5.0	4998	1.00	278	6.0	MSEP305L4	--	100L2-4	OK	PAGE 110
5.2	5008	3.37	269	18.0	MSEP310L3	--	100L2-4	OK	PAGE 150
5.3	4744	1.88	263	6.0	MSEP306L4	--	100L2-4	OK	PAGE 120
5.4	4685	1.82	260	14.0	--	MSEP307R4	100L2-4	OK	PAGE 130
5.4	4685	3.18	260	14.0	--	MSEP309R4	100L2-4	OK	PAGE 140
5.4	4799	2.05	258	11.0	MSEP307L3	--	100L2-4	OK	PAGE 130
5.4	4799	2.34	258	11.0	MSEP309L3	--	100L2-4	OK	PAGE 140
6.0	4322	1.49	232	7.5	MSEP306L3	--	100L2-4	OK	PAGE 120
6.3	3975	1.21	221	12.0	--	MSEP305R4	100L2-4	OK	PAGE 110
6.4	3936	2.12	219	14.0	--	MSEP307R4	100L2-4	OK	PAGE 130
6.6	3921	2.34	211	11.0	MSEP307L3	--	100L2-4	OK	PAGE 130
6.7	3748	2.27	208	12.0	--	MSEP306R4	100L2-4	OK	PAGE 120

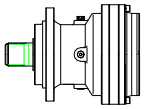
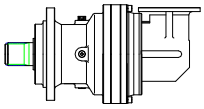
MSEP300 series gear motor

P1=3.0KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
6.7	3867	1.11	208	7.5	MSEP305L3	--	100L2-4	OK	PAGE 110
6.9	3655	2.42	203	6.0	MSEP306L4	--	100L2-4	OK	PAGE 120
8.0	3249	1.47	174	7.5	MSEP305L3	--	100L2-4	OK	PAGE 110
8.3	3142	2.93	169	11.0	MSEP307L3	--	100L2-4	OK	PAGE 130
8.3	3032	2.73	168	14.0	--	MSEP307R4	100L2-4	OK	PAGE 130
8.3	3027	1.36	168	12.0	--	MSEP305R4	100L2-4	OK	PAGE 110
8.4	3108	2.02	167	7.5	MSEP306L3	--	100L2-4	OK	PAGE 120
8.7	2887	2.88	160	12.0	--	MSEP306R4	100L2-4	OK	PAGE 120
9.2	2820	3.46	151	11.0	MSEP307L3	--	100L2-4	OK	PAGE 130
9.5	2643	0.88	147	12.0	--	MSEP303R4	100L2-4	OK	PAGE 100
9.5	2643	1.52	147	12.0	--	MSEP305R4	100L2-4	OK	PAGE 110
9.8	2654	2.64	143	7.5	MSEP306L3	--	100L2-4	OK	PAGE 120
10.0	2603	0.94	140	7.5	MSEP303L3	--	100L2-4	OK	PAGE 100
10.0	2603	1.82	140	7.5	MSEP305L3	--	100L2-4	OK	PAGE 110
10.8	2332	0.97	130	12.0	--	MSEP303R4	100L2-4	OK	PAGE 100
10.8	2332	1.67	130	12.0	--	MSEP305R4	100L2-4	OK	PAGE 110
10.9	2309	3.33	128	14.0	--	MSEP307R4	100L2-4	OK	PAGE 130
11.5	2199	3.42	122	12.0	--	MSEP306R4	100L2-4	OK	PAGE 120
12.4	2036	1.09	113	12.0	--	MSEP303R4	100L2-4	OK	PAGE 100
12.4	2036	1.85	113	12.0	--	MSEP305R4	100L2-4	OK	PAGE 110
12.9	2027	3.52	109	20.0	--	MSEP307R3	100L2-4	OK	PAGE 130
13.0	2005	1.17	108	7.5	MSEP303L3	--	100L2-4	OK	PAGE 100
13.0	2005	2.05	108	7.5	MSEP305L3	--	100L2-4	OK	PAGE 110
13.8	1891	3.22	102	7.5	MSEP306L3	--	100L2-4	OK	PAGE 120
13.9	1874	0.88	101	14.0	--	MSEP303R3	100L2-4	OK	PAGE 100
13.9	1874	1.55	101	14.0	--	MSEP305R3	100L2-4	OK	PAGE 110
14.1	1846	2.64	99.1	14.0	--	MSEP306R3	100L2-4	OK	PAGE 120
14.2	1776	1.21	98.6	12.0	--	MSEP303R4	100L2-4	OK	PAGE 100
14.2	1776	2.12	98.6	12.0	--	MSEP305R4	100L2-4	OK	PAGE 110
15.9	1635	0.88	87.8	7.5	MSEP301L3	--	100L2-4	OK	PAGE 90
17.0	1531	1.08	82.2	14.0	--	MSEP303R3	100L2-4	OK	PAGE 100
17.0	1531	2.05	82.2	14.0	--	MSEP305R3	100L2-4	OK	PAGE 110
17.1	1527	1.47	82.0	7.5	MSEP303L3	--	100L2-4	OK	PAGE 100
17.1	1527	2.64	82.0	7.5	MSEP305L3	--	100L2-4	OK	PAGE 110
17.6	1431	1.06	79.5	10.0	--	MSEP301R4	100L2-4	OK	PAGE 90
19.0	1374	1.23	73.8	14.0	--	MSEP303R3	100L2-4	OK	PAGE 100
19.6	1333	1.61	71.6	7.5	MSEP303L3	--	100L2-4	OK	PAGE 100
19.6	1333	2.64	71.6	7.5	MSEP305L3	--	100L2-4	OK	PAGE 110
21.2	1231	1.11	66.1	7.5	MSEP301L3	--	100L2-4	OK	PAGE 90
21.2	1227	1.32	65.9	14.0	--	MSEP303R3	100L2-4	OK	PAGE 100
21.2	1227	2.64	65.9	14.0	--	MSEP305R3	100L2-4	OK	PAGE 110
21.3	1222	1.20	65.6	12.0	--	MSEP301R3	100L2-4	OK	PAGE 90
22.2	1176	1.82	63.2	7.5	MSEP303L3	--	100L2-4	OK	PAGE 100
22.2	1176	2.64	63.2	7.5	MSEP305L3	--	100L2-4	OK	PAGE 110
22.8	1145	1.64	61.5	14.0	--	MSEP303R3	100L2-4	OK	PAGE 100
22.8	1145	2.93	61.5	14.0	--	MSEP305R3	100L2-4	OK	PAGE 110
23.7	1101	1.41	59.1	14.0	--	MSEP303R3	100L2-4	OK	PAGE 100
23.7	1101	2.93	59.1	14.0	--	MSEP305R3	100L2-4	OK	PAGE 110
25.4	1027	2.05	55.2	7.5	MSEP303L3	--	100L2-4	OK	PAGE 100
25.4	1027	2.93	55.2	7.5	MSEP305L3	--	100L2-4	OK	PAGE 110
26.6	979	1.47	52.6	12.0	--	MSEP301R3	100L2-4	OK	PAGE 90

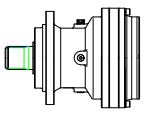
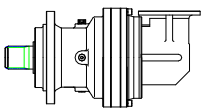
MSEP300 series gear motor

P1=3.0KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
27.0	966	1.99	51.9	14.0	--	MSEP303R3	100L2-4	OK	PAGE 100
27.0	997	1.02	51.8	7.5	MSEP301L2	--	100L2-4	OK	PAGE 90
27.1	962	2.70	51.7	14.0	--	MSEP303R3	100L2-4	OK	PAGE 100
27.5	948	1.44	50.9	7.5	MSEP301L3	--	100L2-4	OK	PAGE 90
28.2	925	2.55	49.7	14.0	--	MSEP303R3	100L2-4	OK	PAGE 100
28.5	944	1.70	49.1	9.0	MSEP303L2	--	100L2-4	OK	PAGE 100
28.5	944	2.84	49.1	9.0	MSEP305L2	--	100L2-4	OK	PAGE 110
29.1	896	2.34	48.1	7.5	MSEP303L3	--	100L2-4	OK	PAGE 100
33.7	799	1.48	41.5	7.5	MSEP301L2	--	100L2-4	OK	PAGE 90
34.6	754	0.97	40.5	12.0	--	MSEP300R3	100L2-4	OK	PAGE 80
34.6	754	1.85	40.5	12.0	--	MSEP301R3	100L2-4	OK	PAGE 90
34.9	772	2.27	40.1	9.0	MSEP303L2	--	100L2-4	OK	PAGE 100
36.1	722	1.03	38.8	7.5	MSEP300L3	--	100L2-4	OK	PAGE 80
36.1	722	1.76	38.8	7.5	MSEP301L3	--	100L2-4	OK	PAGE 90
43.6	618	2.84	32.1	9.0	MSEP303L2	--	100L2-4	OK	PAGE 100
43.8	616	1.16	32.0	7.5	MSEP300L2	--	100L2-4	OK	PAGE 80
43.8	616	2.13	32.0	7.5	MSEP301L2	--	100L2-4	OK	PAGE 90
45.4	574	1.23	30.8	12.0	--	MSEP300R3	100L2-4	OK	PAGE 80
45.4	574	2.26	30.8	12.0	--	MSEP301R3	100L2-4	OK	PAGE 90
46.7	577	3.26	30.0	9.0	MSEP303L2	--	100L2-4	OK	PAGE 100
48.5	555	3.40	28.8	9.0	MSEP303L2	--	100L2-4	OK	PAGE 100
54.6	493	1.42	25.6	7.5	MSEP300L2	--	100L2-4	OK	PAGE 80
54.6	493	2.33	25.6	7.5	MSEP301L2	--	100L2-4	OK	PAGE 90
59.6	437	1.47	23.5	12.0	--	MSEP300R3	100L2-4	OK	PAGE 80
59.6	437	2.34	23.5	12.0	--	MSEP301R3	100L2-4	OK	PAGE 90
70.9	380	1.76	19.8	7.5	MSEP300L2	--	100L2-4	OK	PAGE 80
70.9	380	2.84	19.8	7.5	MSEP301L2	--	100L2-4	OK	PAGE 90
93.1	289	2.13	15.0	7.5	MSEP300L2	--	100L2-4	OK	PAGE 80
93.1	289	3.40	15.0	7.5	MSEP301L2	--	100L2-4	OK	PAGE 90
94.9	284	1.42	14.8	12.0	--	MSEP300R2	100L2-4	OK	PAGE 80
94.9	284	3.12	14.8	12.0	--	MSEP301R2	100L2-4	OK	PAGE 90
118	227	2.13	11.8	12.0	--	MSEP300R2	100L2-4	OK	PAGE 80
122	220	2.55	11.5	7.5	MSEP300L2	--	100L2-4	OK	PAGE 80
194	143	3.02	7.2	7.5	MSEP300L1	--	100L2-4	OK	PAGE 80
194	143	3.02	7.2	7.5	MSEP300L1	--	100L2-4	OK	PAGE 80

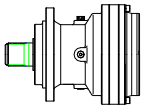
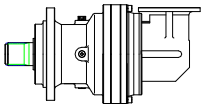
MSEP300 series gear motor

P1=4.0KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
0.7	49312	1.59	2054	18.0	MSEP315L4	--	112M-4	OK	PAGE 180
0.75	44627	1.02	1859	11.0	MSEP313L4	--	112M-4	OK	PAGE 170
0.8	41550	2.05	1731	18.0	MSEP315L4	--	112M-4	OK	PAGE 180
0.87	38554	0.98	1606	11.0	MSEP311L4	--	112M-4	OK	PAGE 160
0.89	37636	1.30	1568	11.0	MSEP313L4	--	112M-4	OK	PAGE 170
1.0	33902	2.39	1412	18.0	MSEP315L4	--	112M-4	OK	PAGE 180

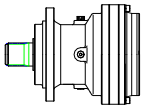
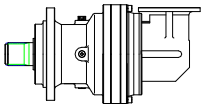
MSEP300 series gear motor

P1=4.0KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
1.0	33364	3.52	1390	18.0	MSEP316L4	--	112M-4	OK	PAGE 190
1.0	32486	1.14	1353	11.0	MSEP311L4	--	112M-4	OK	PAGE 160
1.1	31712	1.52	1321	11.0	MSEP313L4	--	112M-4	OK	PAGE 170
1.1	29506	2.39	1229	18.0	MSEP315L4	--	112M-4	OK	PAGE 180
1.2	27861	0.86	1160	11.0	MSEP310L4	--	112M-4	OK	PAGE 150
1.3	26545	1.36	1106	11.0	MSEP311L4	--	112M-4	OK	PAGE 160
1.3	25913	1.82	1079	11.0	MSEP313L4	--	112M-4	OK	PAGE 170
1.4	24862	3.18	1036	18.0	MSEP315L4	--	112M-4	OK	PAGE 180
1.5	22325	1.00	930	11.0	MSEP310L4	--	112M-4	OK	PAGE 150
1.6	21270	1.66	886	11.0	MSEP311L4	--	112M-4	OK	PAGE 160
1.6	20764	2.05	865	11.0	MSEP313L4	--	112M-4	OK	PAGE 170
1.7	20280	0.98	845	14.0	--	MSEP310R4	112M-4	OK	PAGE 150
1.7	20035	1.09	834	11.0	MSEP310L4	--	112M-4	OK	PAGE 150
1.8	19089	1.82	795	11.0	MSEP311L4	--	112M-4	OK	PAGE 160
1.8	18634	2.27	776	11.0	MSEP313L4	--	112M-4	OK	PAGE 170
1.8	18430	1.02	768	7.5	MSEP309L4	--	112M-4	OK	PAGE 140
2.0	17110	1.27	713	11.0	MSEP310L4	--	112M-4	OK	PAGE 150
2.0	16547	1.14	689	14.0	--	MSEP310R4	112M-4	OK	PAGE 150
2.1	15998	2.16	666	11.0	MSEP311L4	--	112M-4	OK	PAGE 160
2.1	15883	2.50	662	22.0	--	MSEP313R4	112M-4	OK	PAGE 170
2.2	15617	2.84	650	11.0	MSEP313L4	--	112M-4	OK	PAGE 170
2.2	15055	0.91	627	14.0	--	MSEP309R4	112M-4	OK	PAGE 140
2.3	14511	1.48	604	11.0	MSEP310L4	--	112M-4	OK	PAGE 150
2.4	14198	1.25	591	7.5	MSEP309L4	--	112M-4	OK	PAGE 140
2.5	13522	1.36	563	14.0	--	MSEP310R4	112M-4	OK	PAGE 150
2.5	13439	2.55	560	11.0	MSEP311L4	--	112M-4	OK	PAGE 160
2.5	13395	3.41	558	22.0	--	MSEP313R4	112M-4	OK	PAGE 170
2.6	13119	3.41	546	11.0	MSEP313L4	--	112M-4	OK	PAGE 170
2.6	13028	2.16	543	22.0	--	MSEP311R4	112M-4	OK	PAGE 160
2.6	12685	1.02	528	14.0	--	MSEP309R4	112M-4	OK	PAGE 140
2.8	12189	1.93	508	11.0	MSEP310L4	--	112M-4	OK	PAGE 150
2.8	12135	1.75	505	14.0	--	MSEP310R4	112M-4	OK	PAGE 150
3.0	11377	0.91	474	7.5	MSEP307L4	--	112M-4	OK	PAGE 130
3.0	11377	1.48	474	7.5	MSEP309L4	--	112M-4	OK	PAGE 140
3.1	10977	3.02	457	22.0	--	MSEP311R4	112M-4	OK	PAGE 160
3.1	10835	0.86	451	6.0	MSEP306L4	--	112M-4	OK	PAGE 120
3.2	10472	3.18	436	11.0	MSEP311L4	--	112M-4	OK	PAGE 160
3.2	10365	0.91	432	14.0	--	MSEP307R4	112M-4	OK	PAGE 130
3.2	10365	1.59	432	14.0	--	MSEP309R4	112M-4	OK	PAGE 140
3.3	10239	2.16	426	11.0	MSEP310L4	--	112M-4	OK	PAGE 150
3.4	9916	2.11	413	14.0	--	MSEP310R4	112M-4	OK	PAGE 150
3.6	9249	3.52	385	22.0	--	MSEP311R4	112M-4	OK	PAGE 160
3.8	8899	2.32	371	14.0	--	MSEP310R4	112M-4	OK	PAGE 150
3.8	8764	1.14	365	7.5	MSEP307L4	--	112M-4	OK	PAGE 130
3.8	8764	1.82	365	7.5	MSEP309L4	--	112M-4	OK	PAGE 140
4.0	8306	1.14	346	14.0	--	MSEP307R4	112M-4	OK	PAGE 130
4.0	8306	1.82	346	14.0	--	MSEP309R4	112M-4	OK	PAGE 140
4.1	8251	1.11	344	6.0	MSEP306L4	--	112M-4	OK	PAGE 120
4.2	8184	2.09	330	18.0	MSEP310L3	--	112M-4	OK	PAGE 150
4.3	7888	2.73	329	11.0	MSEP310L4	--	112M-4	OK	PAGE 150
4.4	7600	2.61	317	14.0	--	MSEP310R4	112M-4	OK	PAGE 150

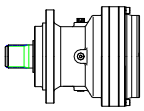
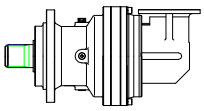
MSEP300 series gear motor

P1=4.0KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
4.5	7454	1.25	310	14.0	--	MSEP307R4	112M-4	OK	PAGE 130
4.5	7454	2.05	310	14.0	--	MSEP309R4	112M-4	OK	PAGE 140
4.6	7594	1.10	306	11.0	MSEP307L3	--	112M-4	OK	PAGE 130
4.8	7015	1.09	292	12.0	--	MSEP306R4	112M-4	OK	PAGE 120
4.9	7052	0.92	284	7.5	MSEP306L3	--	112M-4	OK	PAGE 120
5.0	6674	1.36	278	7.5	MSEP307L4	--	112M-4	OK	PAGE 130
5.0	6674	2.27	278	7.5	MSEP309L4	--	112M-4	OK	PAGE 140
5.2	6678	2.53	269	18.0	MSEP310L3	--	112M-4	OK	PAGE 150
5.2	6445	2.95	268	14.0	--	MSEP310R4	112M-4	OK	PAGE 150
5.3	6572	3.52	265	18.0	MSEP311L3	--	112M-4	OK	PAGE 160
5.3	6326	1.41	263	6.0	MSEP306L4	--	112M-4	OK	PAGE 120
5.4	6247	1.36	260	14.0	--	MSEP307R4	112M-4	OK	PAGE 130
5.4	6247	2.39	260	14.0	--	MSEP309R4	112M-4	OK	PAGE 140
5.4	6399	1.54	258	11.0	MSEP307L3	--	112M-4	OK	PAGE 130
5.4	6399	1.76	258	11.0	MSEP309L3	--	112M-4	OK	PAGE 140
6.0	5762	1.12	232	7.5	MSEP306L3	--	112M-4	OK	PAGE 120
6.2	5414	3.41	226	14.0	--	MSEP310R4	112M-4	OK	PAGE 150
6.3	5300	0.91	221	12.0	--	MSEP305R4	112M-4	OK	PAGE 110
6.4	5457	3.08	220	18.0	MSEP310L3	--	112M-4	OK	PAGE 150
6.4	5247	1.59	219	14.0	--	MSEP307R4	112M-4	OK	PAGE 130
6.4	5247	2.73	219	14.0	--	MSEP309R4	112M-4	OK	PAGE 140
6.6	5229	1.76	211	11.0	MSEP307L3	--	112M-4	OK	PAGE 130
6.6	5229	2.86	211	11.0	MSEP309L3	--	112M-4	OK	PAGE 140
6.7	4998	1.70	208	12.0	--	MSEP306R4	112M-4	OK	PAGE 120
6.9	4873	1.82	203	6.0	MSEP306L4	--	112M-4	OK	PAGE 120
8.0	4331	1.10	174	7.5	MSEP305L3	--	112M-4	OK	PAGE 110
8.3	4190	2.20	169	11.0	MSEP307L3	--	112M-4	OK	PAGE 130
8.3	4190	3.52	169	11.0	MSEP309L3	--	112M-4	OK	PAGE 140
8.3	4042	2.05	168	14.0	--	MSEP307R4	112M-4	OK	PAGE 130
8.3	4042	3.41	168	14.0	--	MSEP309R4	112M-4	OK	PAGE 140
8.3	4036	1.02	168	12.0	--	MSEP305R4	112M-4	OK	PAGE 110
8.4	4144	1.52	167	7.5	MSEP306L3	--	112M-4	OK	PAGE 120
8.7	3850	2.16	160	12.0	--	MSEP306R4	112M-4	OK	PAGE 120
9.2	3760	2.59	151	11.0	MSEP307L3	--	112M-4	OK	PAGE 130
9.5	3524	1.14	147	12.0	--	MSEP305R4	112M-4	OK	PAGE 110
9.8	3539	1.98	143	7.5	MSEP306L3	--	112M-4	OK	PAGE 120
10.0	3471	1.36	140	7.5	MSEP305L3	--	112M-4	OK	PAGE 110
10.8	3110	1.25	130	12.0	--	MSEP305R4	112M-4	OK	PAGE 110
10.9	3078	2.50	128	14.0	--	MSEP307R4	112M-4	OK	PAGE 130
10.9	3078	3.52	128	14.0	--	MSEP309R4	112M-4	OK	PAGE 140
11.0	3151	3.08	127	11.0	MSEP307L3	--	112M-4	OK	PAGE 130
11.5	2932	2.57	122	12.0	--	MSEP306R4	112M-4	OK	PAGE 120
12.4	2715	1.39	113	12.0	--	MSEP305R4	112M-4	OK	PAGE 110
12.5	2688	2.73	112	14.0	--	MSEP307R4	112M-4	OK	PAGE 130
12.9	2703	2.64	109	20.0	--	MSEP307R3	112M-4	OK	PAGE 130
12.9	2703	3.52	109	20.0	--	MSEP309R3	112M-4	OK	PAGE 140
13.0	2674	0.88	108	7.5	MSEP303L3	--	112M-4	OK	PAGE 100
13.0	2674	1.54	108	7.5	MSEP305L3	--	112M-4	OK	PAGE 110
13.1	2647	3.52	107	11.0	MSEP307L3	--	112M-4	OK	PAGE 130
13.8	2521	2.42	102	7.5	MSEP306L3	--	112M-4	OK	PAGE 120
13.9	2499	1.16	101	14.0	--	MSEP305R3	112M-4	OK	PAGE 110

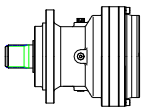
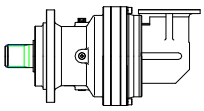
MSEP300 series gear motor

P1=4.0KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
14.1	2461	1.98	99.1	14.0	--	MSEP306R3	112M-4	OK	PAGE 120
14.2	2368	0.91	98.6	12.0	--	MSEP303R4	112M-4	OK	PAGE 100
14.2	2368	1.59	98.6	12.0	--	MSEP305R4	112M-4	OK	PAGE 110
15.0	2248	3.18	93.6	12.0	--	MSEP306R4	112M-4	OK	PAGE 120
15.3	2277	3.30	91.7	20.0	--	MSEP307R3	112M-4	OK	PAGE 130
17.0	2042	1.54	82.2	14.0	--	MSEP305R3	112M-4	OK	PAGE 110
17.1	2036	1.10	82.0	7.5	MSEP303L3	--	112M-4	OK	PAGE 100
17.1	2036	1.98	82.0	7.5	MSEP305L3	--	112M-4	OK	PAGE 110
17.3	2008	2.86	80.9	14.0	--	MSEP306R3	112M-4	OK	PAGE 120
17.9	1942	2.86	78.2	7.5	MSEP306L3	--	112M-4	OK	PAGE 120
19.0	1832	0.92	73.8	14.0	--	MSEP303R3	112M-4	OK	PAGE 100
19.6	1778	1.21	71.6	7.5	MSEP303L3	--	112M-4	OK	PAGE 100
19.6	1778	1.98	71.6	7.5	MSEP305L3	--	112M-4	OK	PAGE 110
21.2	1641	3.30	66.1	14.0	--	MSEP306R3	112M-4	OK	PAGE 120
21.2	1636	0.99	65.9	14.0	--	MSEP303R3	112M-4	OK	PAGE 100
21.2	1636	1.98	65.9	14.0	--	MSEP305R3	112M-4	OK	PAGE 110
21.3	1629	0.90	65.6	12.0	--	MSEP301R3	112M-4	OK	PAGE 90
22.2	1569	1.36	63.2	7.5	MSEP303L3	--	112M-4	OK	PAGE 100
22.2	1569	1.98	63.2	7.5	MSEP305L3	--	112M-4	OK	PAGE 110
22.8	1527	1.23	61.5	14.0	--	MSEP303R3	112M-4	OK	PAGE 100
22.8	1527	2.20	61.5	14.0	--	MSEP305R3	112M-4	OK	PAGE 110
23.7	1468	1.05	59.1	14.0	--	MSEP303R3	112M-4	OK	PAGE 100
23.7	1468	2.20	59.1	14.0	--	MSEP305R3	112M-4	OK	PAGE 110
25.4	1369	1.54	55.2	7.5	MSEP303L3	--	112M-4	OK	PAGE 100
25.4	1369	2.20	55.2	7.5	MSEP305L3	--	112M-4	OK	PAGE 110
26.6	1305	1.10	52.6	12.0	--	MSEP301R3	112M-4	OK	PAGE 90
27.0	1288	1.49	51.9	14.0	--	MSEP303R3	112M-4	OK	PAGE 100
27.1	1283	2.02	51.7	14.0	--	MSEP303R3	112M-4	OK	PAGE 100
27.1	1283	2.64	51.7	14.0	--	MSEP305R3	112M-4	OK	PAGE 110
27.5	1264	1.08	50.9	7.5	MSEP301L3	--	112M-4	OK	PAGE 90
28.2	1233	1.91	49.7	14.0	--	MSEP303R3	112M-4	OK	PAGE 100
28.2	1233	2.64	49.7	14.0	--	MSEP305R3	112M-4	OK	PAGE 110
28.5	1259	1.28	49.1	9.0	MSEP303L2	--	112M-4	OK	PAGE 100
28.5	1259	2.13	49.1	9.0	MSEP305L2	--	112M-4	OK	PAGE 110
29.0	1240	3.40	48.3	13.0	MSEP306L2	--	112M-4	OK	PAGE 120
29.1	1195	1.76	48.1	7.5	MSEP303L3	--	112M-4	OK	PAGE 100
29.1	1195	2.64	48.1	7.5	MSEP305L3	--	112M-4	OK	PAGE 110
33.7	1065	1.11	41.5	7.5	MSEP301L2	--	112M-4	OK	PAGE 90
34.6	1005	1.38	40.5	12.0	--	MSEP301R3	112M-4	OK	PAGE 90
34.9	1029	1.70	40.1	9.0	MSEP303L2	--	112M-4	OK	PAGE 100
34.9	1029	3.19	40.1	9.0	MSEP305L2	--	112M-4	OK	PAGE 110
36.1	963	1.32	38.8	7.5	MSEP301L3	--	112M-4	OK	PAGE 90
36.6	950	2.73	38.3	14.0	--	MSEP303R3	112M-4	OK	PAGE 100
36.6	950	3.08	38.3	14.0	--	MSEP305R3	112M-4	OK	PAGE 110
43.6	824	2.13	32.1	9.0	MSEP303L2	--	112M-4	OK	PAGE 100
43.8	821	0.87	32.0	7.5	MSEP300L2	--	112M-4	OK	PAGE 80
43.8	821	1.60	32.0	7.5	MSEP301L2	--	112M-4	OK	PAGE 90
45.4	766	0.92	30.8	12.0	--	MSEP300R3	112M-4	OK	PAGE 80
45.4	766	1.69	30.8	12.0	--	MSEP301R3	112M-4	OK	PAGE 90
46.7	769	2.45	30.0	9.0	MSEP303L2	--	112M-4	OK	PAGE 100
48.0	724	3.30	29.1	14.0	--	MSEP305R3	112M-4	OK	PAGE 110

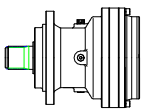
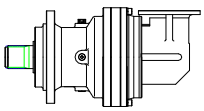
MSEP300 series gear motor

P1=4.0KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
48.0	724	3.36	29.1	14.0	--	MSEP303R3	112M-4	OK	PAGE 100
54.6	658	1.06	25.6	7.5	MSEP300L2	--	112M-4	OK	PAGE 80
54.6	658	1.74	25.6	7.5	MSEP301L2	--	112M-4	OK	PAGE 90
55.0	632	2.86	25.4	14.0	--	MSEP305R3	112M-4	OK	PAGE 110
55.0	632	3.14	25.4	14.0	--	MSEP303R3	112M-4	OK	PAGE 100
55.6	646	2.77	25.2	9.0	MSEP303L2	--	112M-4	OK	PAGE 100
57.8	621	2.77	24.2	9.0	MSEP303L2	--	112M-4	OK	PAGE 100
59.6	583	1.10	23.5	12.0	--	MSEP300R3	112M-4	OK	PAGE 80
59.6	583	1.76	23.5	12.0	--	MSEP301R3	112M-4	OK	PAGE 90
70.9	507	1.32	19.8	7.5	MSEP300L2	--	112M-4	OK	PAGE 80
70.9	507	2.13	19.8	7.5	MSEP301L2	--	112M-4	OK	PAGE 90
80.1	448	3.04	17.5	18.0	--	MSEP303R2	112M-4	OK	PAGE 100
80.1	448	3.04	17.5	18.0	--	MSEP305R2	112M-4	OK	PAGE 110
93.1	386	1.60	15.0	7.5	MSEP300L2	--	112M-4	OK	PAGE 80
93.1	386	2.55	15.0	7.5	MSEP301L2	--	112M-4	OK	PAGE 90
94.9	379	1.06	14.8	12.0	--	MSEP300R2	112M-4	OK	PAGE 80
94.9	379	2.34	14.8	12.0	--	MSEP301R2	112M-4	OK	PAGE 90
118	303	1.60	11.8	12.0	--	MSEP300R2	112M-4	OK	PAGE 80
118	303	2.98	11.8	12.0	--	MSEP301R2	112M-4	OK	PAGE 90
122	294	1.91	11.5	7.5	MSEP300L2	--	112M-4	OK	PAGE 80
122	294	3.19	11.5	7.5	MSEP301L2	--	112M-4	OK	PAGE 90
154	234	3.19	9.1	12.0	--	MSEP300R2	112M-4	OK	PAGE 80
154	234	3.19	9.1	12.0	--	MSEP301R2	112M-4	OK	PAGE 90
194	191	2.27	7.2	7.5	MSEP300L1	--	112M-4	OK	PAGE 80
194	191	2.27	7.2	7.5	MSEP300L1	--	112M-4	OK	PAGE 80
202	178	3.19	6.9	12.0	--	MSEP300R2	112M-4	OK	PAGE 80
202	178	3.19	6.9	12.0	--	MSEP301R2	112M-4	OK	PAGE 90
243	153	3.09	5.8	7.5	MSEP300L1	--	112M-4	OK	PAGE 80

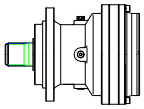
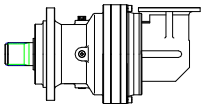
MSEP300 series gear motor

P1=5.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
0.7	67804	1.16	2054	18.0	MSEP315L4	--	132S-4	OK	PAGE 180
0.8	57131	1.49	1731	18.0	MSEP315L4	--	132S-4	OK	PAGE 180
0.89	51750	0.94	1568	11.0	MSEP313L4	--	132S-4	OK	PAGE 170
1.0	46615	1.74	1412	18.0	MSEP315L4	--	132S-4	OK	PAGE 180
1.0	45876	2.56	1390	18.0	MSEP316L4	--	132S-4	OK	PAGE 190
1.1	43604	1.11	1321	11.0	MSEP313L4	--	132S-4	OK	PAGE 170
1.1	40571	1.74	1229	18.0	MSEP315L4	--	132S-4	OK	PAGE 180
1.2	38655	2.98	1171	18.0	MSEP316L4	--	132S-4	OK	PAGE 190
1.3	36500	0.99	1106	11.0	MSEP311L4	--	132S-4	OK	PAGE 160
1.3	35631	1.32	1079	11.0	MSEP313L4	--	132S-4	OK	PAGE 170
1.4	34185	2.31	1036	18.0	MSEP315L4	--	132S-4	OK	PAGE 180
1.6	29247	1.21	886	11.0	MSEP311L4	--	132S-4	OK	PAGE 160
1.6	28650	2.89	868	18.0	MSEP315L4	--	132S-4	OK	PAGE 180

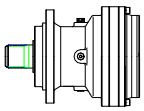
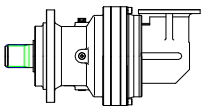
MSEP300 series gear motor

P1=5.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
1.6	28550	1.49	865	11.0	MSEP313L4	--	132S-4	OK	PAGE 170
1.8	26247	1.32	795	11.0	MSEP311L4	--	132S-4	OK	PAGE 160
1.8	25622	1.65	776	11.0	MSEP313L4	--	132S-4	OK	PAGE 170
1.8	25483	2.64	772	40.0	--	MSEP315R4	132S-4	OK	PAGE 180
2.0	23527	0.93	713	11.0	MSEP310L4	--	132S-4	OK	PAGE 150
2.1	21998	1.57	666	11.0	MSEP311L4	--	132S-4	OK	PAGE 160
2.1	21839	1.82	662	22.0	--	MSEP313R4	132S-4	OK	PAGE 170
2.2	21474	2.07	650	11.0	MSEP313L4	--	132S-4	OK	PAGE 170
2.2	21472	3.47	650	40.0	--	MSEP315R4	132S-4	OK	PAGE 180
2.3	19952	1.07	604	11.0	MSEP310L4	--	132S-4	OK	PAGE 150
2.4	19522	0.91	591	7.5	MSEP309L4	--	132S-4	OK	PAGE 140
2.5	18592	0.99	563	14.0	--	MSEP310R4	132S-4	OK	PAGE 150
2.5	18478	1.85	560	11.0	MSEP311L4	--	132S-4	OK	PAGE 160
2.5	18418	2.48	558	22.0	--	MSEP313R4	132S-4	OK	PAGE 170
2.6	18038	2.48	546	11.0	MSEP313L4	--	132S-4	OK	PAGE 170
2.6	17914	1.57	543	22.0	--	MSEP311R4	132S-4	OK	PAGE 160
2.8	16760	1.40	508	11.0	MSEP310L4	--	132S-4	OK	PAGE 150
2.8	16685	1.27	505	14.0	--	MSEP310R4	132S-4	OK	PAGE 150
3.0	15643	1.07	474	7.5	MSEP309L4	--	132S-4	OK	PAGE 140
3.0	15519	2.89	470	22.0	--	MSEP313R4	132S-4	OK	PAGE 170
3.1	15094	2.20	457	22.0	--	MSEP311R4	132S-4	OK	PAGE 160
3.2	14398	2.31	436	11.0	MSEP311L4	--	132S-4	OK	PAGE 160
3.2	14252	1.16	432	14.0	--	MSEP309R4	132S-4	OK	PAGE 140
3.3	14078	1.57	426	11.0	MSEP310L4	--	132S-4	OK	PAGE 150
3.3	14078	3.64	426	11.0	MSEP313L4	--	132S-4	OK	PAGE 170
3.4	13634	1.54	413	14.0	--	MSEP310R4	132S-4	OK	PAGE 150
3.6	12718	2.56	385	22.0	--	MSEP311R4	132S-4	OK	PAGE 160
3.6	12681	3.47	384	22.0	--	MSEP313R4	132S-4	OK	PAGE 170
3.8	12236	1.69	371	14.0	--	MSEP310R4	132S-4	OK	PAGE 150
3.8	12051	1.32	365	7.5	MSEP309L4	--	132S-4	OK	PAGE 140
4.0	11420	1.32	346	14.0	--	MSEP309R4	132S-4	OK	PAGE 140
4.2	11092	2.98	336	11.0	MSEP311L4	--	132S-4	OK	PAGE 160
4.2	11253	1.52	330	18.0	MSEP310L3	--	132S-4	OK	PAGE 150
4.3	10846	1.98	329	11.0	MSEP310L4	--	132S-4	OK	PAGE 150
4.4	10450	1.90	317	14.0	--	MSEP310R4	132S-4	OK	PAGE 150
4.4	10392	3.07	315	22.0	--	MSEP311R4	132S-4	OK	PAGE 160
4.5	10249	0.91	310	14.0	--	MSEP307R4	132S-4	OK	PAGE 130
4.5	10249	1.49	310	14.0	--	MSEP309R4	132S-4	OK	PAGE 140
4.9	9464	3.47	287	11.0	MSEP311L4	--	132S-4	OK	PAGE 160
5.0	9326	3.39	283	22.0	--	MSEP311R4	132S-4	OK	PAGE 160
5.0	9177	0.99	278	7.5	MSEP307L4	--	132S-4	OK	PAGE 130
5.0	9177	1.65	278	7.5	MSEP309L4	--	132S-4	OK	PAGE 140
5.2	9182	1.84	269	18.0	MSEP310L3	--	132S-4	OK	PAGE 150
5.2	8862	2.15	268	14.0	--	MSEP310R4	132S-4	OK	PAGE 150
5.3	9036	2.56	265	18.0	MSEP311L3	--	132S-4	OK	PAGE 160
5.3	8698	1.02	263	6.0	MSEP306L4	--	132S-4	OK	PAGE 120
5.4	8590	0.99	260	14.0	--	MSEP307R4	132S-4	OK	PAGE 130
5.4	8590	1.74	260	14.0	--	MSEP309R4	132S-4	OK	PAGE 140
5.4	8798	1.12	258	11.0	MSEP307L3	--	132S-4	OK	PAGE 130
5.4	8798	1.28	258	11.0	MSEP309L3	--	132S-4	OK	PAGE 140
6.2	7444	2.48	226	14.0	--	MSEP310R4	132S-4	OK	PAGE 150

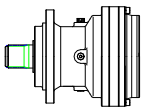
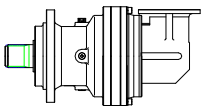
MSEP300 series gear motor

P1=5.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
6.3	7614	3.52	223	18.0	MSEP311L3	--	132S-4	OK	PAGE 160
6.4	7503	2.24	220	18.0	MSEP310L3	--	132S-4	OK	PAGE 150
6.4	7215	1.16	219	14.0	--	MSEP307R4	132S-4	OK	PAGE 130
6.4	7215	1.98	219	14.0	--	MSEP309R4	132S-4	OK	PAGE 140
6.6	7189	1.28	211	11.0	MSEP307L3	--	132S-4	OK	PAGE 130
6.6	7189	2.08	211	11.0	MSEP309L3	--	132S-4	OK	PAGE 140
6.7	6872	1.24	208	12.0	--	MSEP306R4	132S-4	OK	PAGE 120
6.9	6701	1.32	203	6.0	MSEP306L4	--	132S-4	OK	PAGE 120
7.1	6733	3.04	197	18.0	MSEP310L3	--	132S-4	OK	PAGE 150
7.4	6253	2.81	189	14.0	--	MSEP310R4	132S-4	OK	PAGE 150
8.3	5761	1.60	169	11.0	MSEP307L3	--	132S-4	OK	PAGE 130
8.3	5761	2.56	169	11.0	MSEP309L3	--	132S-4	OK	PAGE 140
8.3	5558	1.49	168	14.0	--	MSEP307R4	132S-4	OK	PAGE 130
8.3	5558	2.48	168	14.0	--	MSEP309R4	132S-4	OK	PAGE 140
8.4	5697	1.10	167	7.5	MSEP306L3	--	132S-4	OK	PAGE 120
8.7	5502	3.52	161	18.0	MSEP310L3	--	132S-4	OK	PAGE 150
8.7	5294	1.57	160	12.0	--	MSEP306R4	132S-4	OK	PAGE 120
9.2	5170	1.89	151	11.0	MSEP307L3	--	132S-4	OK	PAGE 130
9.2	5170	2.72	151	11.0	MSEP309L3	--	132S-4	OK	PAGE 140
9.6	4794	3.47	145	14.0	--	MSEP310R4	132S-4	OK	PAGE 150
9.8	4866	1.44	143	7.5	MSEP306L3	--	132S-4	OK	PAGE 120
10.0	4772	0.99	140	7.5	MSEP305L3	--	132S-4	OK	PAGE 110
10.9	4233	1.82	128	14.0	--	MSEP307R4	132S-4	OK	PAGE 130
10.9	4233	2.56	128	14.0	--	MSEP309R4	132S-4	OK	PAGE 140
11.0	4333	2.24	127	11.0	MSEP307L3	--	132S-4	OK	PAGE 130
11.0	4333	3.20	127	11.0	MSEP309L3	--	132S-4	OK	PAGE 140
11.3	4229	3.20	124	20.0	--	MSEP310R3	132S-4	OK	PAGE 150
11.5	4031	1.87	122	12.0	--	MSEP306R4	132S-4	OK	PAGE 120
12.4	3733	1.01	113	12.0	--	MSEP305R4	132S-4	OK	PAGE 110
12.5	3695	1.98	112	14.0	--	MSEP307R4	132S-4	OK	PAGE 130
12.9	3716	1.92	109	20.0	--	MSEP307R3	132S-4	OK	PAGE 130
12.9	3716	2.56	109	20.0	--	MSEP309R3	132S-4	OK	PAGE 140
13.0	3676	1.12	108	7.5	MSEP305L3	--	132S-4	OK	PAGE 110
13.1	3640	2.56	107	11.0	MSEP307L3	--	132S-4	OK	PAGE 130
13.8	3466	1.76	102	7.5	MSEP306L3	--	132S-4	OK	PAGE 120
13.9	3435	0.85	101	14.0	--	MSEP305R3	132S-4	OK	PAGE 110
14.1	3383	1.44	99.1	14.0	--	MSEP306R3	132S-4	OK	PAGE 120
14.2	3256	1.16	98.6	12.0	--	MSEP305R4	132S-4	OK	PAGE 110
15.0	3091	2.31	93.6	12.0	--	MSEP306R4	132S-4	OK	PAGE 120
15.3	3131	2.40	91.7	20.0	--	MSEP307R3	132S-4	OK	PAGE 130
15.3	3131	2.88	91.7	20.0	--	MSEP309R3	132S-4	OK	PAGE 140
17.0	2807	1.12	82.2	14.0	--	MSEP305R3	132S-4	OK	PAGE 110
17.0	2804	3.20	82.1	11.0	MSEP307L3	--	132S-4	OK	PAGE 130
17.1	2800	1.44	82.0	7.5	MSEP305L3	--	132S-4	OK	PAGE 110
17.3	2761	2.08	80.9	14.0	--	MSEP306R3	132S-4	OK	PAGE 120
17.9	2670	2.08	78.2	7.5	MSEP306L3	--	132S-4	OK	PAGE 120
18.7	2559	2.88	75.0	20.0	--	MSEP307R3	132S-4	OK	PAGE 130
18.7	2559	3.20	75.0	20.0	--	MSEP309R3	132S-4	OK	PAGE 140
19.6	2444	0.88	71.6	7.5	MSEP303L3	--	132S-4	OK	PAGE 100
19.6	2444	1.44	71.6	7.5	MSEP305L3	--	132S-4	OK	PAGE 110
20.8	2296	3.20	67.3	20.0	--	MSEP307R3	132S-4	OK	PAGE 130

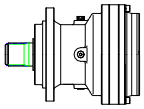
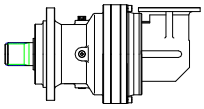
MSEP300 series gear motor

P1=5.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
20.8	2296	3.52	67.3	20.0	--	MSEP309R3	132S-4	OK	PAGE 140
21.2	2256	2.40	66.1	14.0	--	MSEP306R3	132S-4	OK	PAGE 120
21.2	2249	1.44	65.9	14.0	--	MSEP305R3	132S-4	OK	PAGE 110
22.2	2157	0.99	63.2	7.5	MSEP303L3	--	132S-4	OK	PAGE 100
22.2	2157	1.44	63.2	7.5	MSEP305L3	--	132S-4	OK	PAGE 110
22.8	2099	0.90	61.5	14.0	--	MSEP303R3	132S-4	OK	PAGE 100
22.8	2099	1.60	61.5	14.0	--	MSEP305R3	132S-4	OK	PAGE 110
23.5	2034	2.64	59.6	7.5	MSEP306L3	--	132S-4	OK	PAGE 120
23.6	2024	2.64	59.3	14.0	--	MSEP306R3	132S-4	OK	PAGE 120
23.7	2019	1.60	59.1	14.0	--	MSEP305R3	132S-4	OK	PAGE 110
24.8	1925	3.20	56.4	20.0	--	MSEP309R3	132S-4	OK	PAGE 140
24.8	1925	3.52	56.4	20.0	--	MSEP307R3	132S-4	OK	PAGE 130
25.4	1883	1.12	55.2	7.5	MSEP303L3	--	132S-4	OK	PAGE 100
25.4	1883	1.60	55.2	7.5	MSEP305L3	--	132S-4	OK	PAGE 110
27.0	1771	1.09	51.9	14.0	--	MSEP303R3	132S-4	OK	PAGE 100
27.1	1764	1.47	51.7	14.0	--	MSEP303R3	132S-4	OK	PAGE 100
27.1	1764	1.92	51.7	14.0	--	MSEP305R3	132S-4	OK	PAGE 110
27.6	1729	3.04	50.6	14.0	--	MSEP306R3	132S-4	OK	PAGE 120
28.2	1696	1.39	49.7	14.0	--	MSEP303R3	132S-4	OK	PAGE 100
28.2	1696	1.92	49.7	14.0	--	MSEP305R3	132S-4	OK	PAGE 110
28.5	1731	0.93	49.1	9.0	MSEP303L2	--	132S-4	OK	PAGE 100
28.5	1731	1.55	49.1	9.0	MSEP305L2	--	132S-4	OK	PAGE 110
29.0	1705	2.48	48.3	13.0	MSEP306L2	--	132S-4	OK	PAGE 120
29.1	1642	1.28	48.1	7.5	MSEP303L3	--	132S-4	OK	PAGE 100
29.1	1642	1.92	48.1	7.5	MSEP305L3	--	132S-4	OK	PAGE 110
29.6	1617	3.20	47.4	20.0	--	MSEP309R3	132S-4	OK	PAGE 140
30.7	1559	3.36	45.7	7.5	MSEP306L3	--	132S-4	OK	PAGE 120
33.9	1411	3.52	41.3	20.0	--	MSEP309R3	132S-4	OK	PAGE 140
34.6	1382	1.01	40.5	12.0	--	MSEP301R3	132S-4	OK	PAGE 90
34.9	1415	1.24	40.1	9.0	MSEP303L2	--	132S-4	OK	PAGE 100
34.9	1415	2.32	40.1	9.0	MSEP305L2	--	132S-4	OK	PAGE 110
35.5	1391	3.40	39.4	13.0	MSEP306L2	--	132S-4	OK	PAGE 120
36.1	1324	0.96	38.8	7.5	MSEP301L3	--	132S-4	OK	PAGE 90
36.6	1306	1.98	38.3	14.0	--	MSEP303R3	132S-4	OK	PAGE 100
36.6	1306	2.24	38.3	14.0	--	MSEP305R3	132S-4	OK	PAGE 110
43.6	1133	1.55	32.1	9.0	MSEP303L2	--	132S-4	OK	PAGE 100
43.6	1133	2.79	32.1	9.0	MSEP305L2	--	132S-4	OK	PAGE 110
43.8	1128	1.16	32.0	7.5	MSEP301L2	--	132S-4	OK	PAGE 90
45.4	1053	1.23	30.8	12.0	--	MSEP301R3	132S-4	OK	PAGE 90
46.7	1058	1.78	30.0	9.0	MSEP303L2	--	132S-4	OK	PAGE 100
46.7	1058	3.02	30.0	9.0	MSEP305L2	--	132S-4	OK	PAGE 110
48.0	995	2.40	29.1	14.0	--	MSEP305R3	132S-4	OK	PAGE 110
48.0	995	2.45	29.1	14.0	--	MSEP303R3	132S-4	OK	PAGE 100
48.5	1017	1.86	28.8	9.0	MSEP303L2	--	132S-4	OK	PAGE 100
48.5	1017	3.09	28.8	9.0	MSEP305L2	--	132S-4	OK	PAGE 110
54.6	904	1.27	25.6	7.5	MSEP301L2	--	132S-4	OK	PAGE 90
55.0	868	2.08	25.4	14.0	--	MSEP305R3	132S-4	OK	PAGE 110
55.0	868	2.29	25.4	14.0	--	MSEP303R3	132S-4	OK	PAGE 100
55.6	889	2.01	25.2	9.0	MSEP303L2	--	132S-4	OK	PAGE 100
55.6	889	3.40	25.2	9.0	MSEP305L2	--	132S-4	OK	PAGE 110
57.8	854	2.01	24.2	9.0	MSEP303L2	--	132S-4	OK	PAGE 100

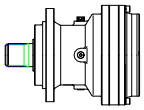
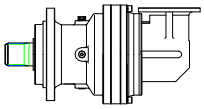
MSEP300 series gear motor

P1=5.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
57.8	854	3.40	24.2	9.0	MSEP305L2	--	132S-4	OK	PAGE 110
59.6	802	1.28	23.5	12.0	--	MSEP301R3	132S-4	OK	PAGE 90
70.9	697	0.96	19.8	7.5	MSEP300L2	--	132S-4	OK	PAGE 80
70.9	697	1.55	19.8	7.5	MSEP301L2	--	132S-4	OK	PAGE 90
75.0	658	2.63	18.7	9.0	MSEP303L2	--	132S-4	OK	PAGE 100
80.1	616	2.21	17.5	18.0	--	MSEP303R2	132S-4	OK	PAGE 100
80.1	616	2.21	17.5	18.0	--	MSEP305R2	132S-4	OK	PAGE 110
93.1	530	1.16	15.0	7.5	MSEP300L2	--	132S-4	OK	PAGE 80
93.1	530	1.86	15.0	7.5	MSEP301L2	--	132S-4	OK	PAGE 90
94.9	520	1.70	14.8	12.0	--	MSEP301R2	132S-4	OK	PAGE 90
98.1	503	2.92	14.3	18.0	--	MSEP303R2	132S-4	OK	PAGE 100
98.1	503	2.92	14.3	18.0	--	MSEP305R2	132S-4	OK	PAGE 110
98.5	501	3.40	14.2	9.0	MSEP303L2	--	132S-4	OK	PAGE 100
118	417	1.16	11.8	12.0	--	MSEP300R2	132S-4	OK	PAGE 80
118	417	2.17	11.8	12.0	--	MSEP301R2	132S-4	OK	PAGE 90
122	404	1.39	11.5	7.5	MSEP300L2	--	132S-4	OK	PAGE 80
122	404	2.32	11.5	7.5	MSEP301L2	--	132S-4	OK	PAGE 90
154	321	2.32	9.1	12.0	--	MSEP300R2	132S-4	OK	PAGE 80
154	321	2.32	9.1	12.0	--	MSEP301R2	132S-4	OK	PAGE 90
194	262	1.65	7.2	7.5	MSEP300L1	--	132S-4	OK	PAGE 80
194	262	1.65	7.2	7.5	MSEP300L1	--	132S-4	OK	PAGE 80
194	262	2.70	7.2	7.5	MSEP301L1	--	132S-4	OK	PAGE 90
202	245	2.32	6.9	12.0	--	MSEP300R2	132S-4	OK	PAGE 80
202	245	2.32	6.9	12.0	--	MSEP301R2	132S-4	OK	PAGE 90
243	210	2.25	5.8	7.5	MSEP300L1	--	132S-4	OK	PAGE 80
315	162	3.00	4.4	7.5	MSEP300L1	--	132S-4	OK	PAGE 80
414	123	3.00	3.4	7.5	MSEP300L1	--	132S-4	OK	PAGE 80

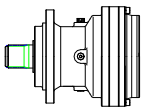
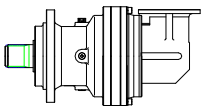
MSEP300 series gear motor

P1=7.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
0.7	92460	0.85	2054	18.0	MSEP315L4	--	132M-4	OK	PAGE 180
0.8	77906	1.09	1731	18.0	MSEP315L4	--	132M-4	OK	PAGE 180
1.0	63566	1.27	1412	18.0	MSEP315L4	--	132M-4	OK	PAGE 180
1.0	62558	1.88	1390	18.0	MSEP316L4	--	132M-4	OK	PAGE 190
1.1	55324	1.27	1229	18.0	MSEP315L4	--	132M-4	OK	PAGE 180
1.2	52711	2.18	1171	18.0	MSEP316L4	--	132M-4	OK	PAGE 190
1.3	48588	0.97	1079	11.0	MSEP313L4	--	132M-4	OK	PAGE 170
1.4	46615	1.70	1036	18.0	MSEP315L4	--	132M-4	OK	PAGE 180
1.4	44177	2.67	981	18.0	MSEP316L4	--	132M-4	OK	PAGE 190
1.6	39068	2.12	868	18.0	MSEP315L4	--	132M-4	OK	PAGE 180
1.6	38932	1.09	865	11.0	MSEP313L4	--	132M-4	OK	PAGE 170
1.7	37223	3.03	827	18.0	MSEP316L4	--	132M-4	OK	PAGE 190
1.8	35792	0.97	795	11.0	MSEP311L4	--	132M-4	OK	PAGE 160
1.8	34939	1.21	776	11.0	MSEP313L4	--	132M-4	OK	PAGE 170
1.8	34750	1.94	772	40.0	--	MSEP315R4	132M-4	OK	PAGE 180

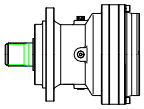
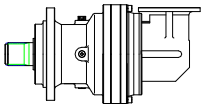
MSEP300 series gear motor

P1=7.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
1.8	34735	3.39	772	45.0	--	MSEP316R4	132M-4	OK	PAGE 190
2.1	30417	3.64	676	18.0	MSEP316L4	--	132M-4	OK	PAGE 190
2.1	29997	1.15	666	11.0	MSEP311L4	--	132M-4	OK	PAGE 160
2.1	29780	1.33	662	22.0	--	MSEP313R4	132M-4	OK	PAGE 170
2.2	29283	1.52	650	11.0	MSEP313L4	--	132M-4	OK	PAGE 170
2.2	29280	2.55	650	40.0	--	MSEP315R4	132M-4	OK	PAGE 180
2.2	28650	2.79	636	18.0	MSEP315L4	--	132M-4	OK	PAGE 180
2.5	25197	1.36	560	11.0	MSEP311L4	--	132M-4	OK	PAGE 160
2.5	25115	1.82	558	22.0	--	MSEP313R4	132M-4	OK	PAGE 170
2.6	24597	1.82	546	11.0	MSEP313L4	--	132M-4	OK	PAGE 170
2.6	24468	3.15	544	18.0	MSEP315L4	--	132M-4	OK	PAGE 180
2.6	24428	1.15	543	22.0	--	MSEP311R4	132M-4	OK	PAGE 160
2.6	23890	2.79	531	40.0	--	MSEP315R4	132M-4	OK	PAGE 180
2.8	22855	1.03	508	11.0	MSEP310L4	--	132M-4	OK	PAGE 150
2.8	22753	0.93	505	14.0	--	MSEP310R4	132M-4	OK	PAGE 150
3.0	21162	2.12	470	22.0	--	MSEP313R4	132M-4	OK	PAGE 170
3.0	20792	3.15	462	40.0	--	MSEP315R4	132M-4	OK	PAGE 180
3.0	20751	3.64	461	18.0	MSEP315L4	--	132M-4	OK	PAGE 180
3.1	20582	1.61	457	22.0	--	MSEP311R4	132M-4	OK	PAGE 160
3.2	19634	1.70	436	11.0	MSEP311L4	--	132M-4	OK	PAGE 160
3.2	19435	0.85	432	14.0	--	MSEP309R4	132M-4	OK	PAGE 140
3.3	19198	1.15	426	11.0	MSEP310L4	--	132M-4	OK	PAGE 150
3.3	19198	2.67	426	11.0	MSEP313L4	--	132M-4	OK	PAGE 170
3.4	18592	1.13	413	14.0	--	MSEP310R4	132M-4	OK	PAGE 150
3.6	17343	1.88	385	22.0	--	MSEP311R4	132M-4	OK	PAGE 160
3.6	17292	2.55	384	22.0	--	MSEP313R4	132M-4	OK	PAGE 170
3.8	16685	1.24	371	14.0	--	MSEP310R4	132M-4	OK	PAGE 150
3.8	16433	0.97	365	7.5	MSEP309L4	--	132M-4	OK	PAGE 140
4.0	15573	0.97	346	14.0	--	MSEP309R4	132M-4	OK	PAGE 140
4.1	15519	2.79	345	22.0	--	MSEP313R4	132M-4	OK	PAGE 170
4.2	15126	2.18	336	11.0	MSEP311L4	--	132M-4	OK	PAGE 160
4.2	15345	1.11	330	18.0	MSEP310L3	--	132M-4	OK	PAGE 150
4.3	14789	1.45	329	11.0	MSEP310L4	--	132M-4	OK	PAGE 150
4.3	14789	3.39	329	11.0	MSEP313L4	--	132M-4	OK	PAGE 170
4.4	14250	1.39	317	14.0	--	MSEP310R4	132M-4	OK	PAGE 150
4.4	14171	2.25	315	22.0	--	MSEP311R4	132M-4	OK	PAGE 160
4.5	13976	1.09	310	14.0	--	MSEP309R4	132M-4	OK	PAGE 140
4.8	13006	3.27	289	22.0	--	MSEP313R4	132M-4	OK	PAGE 170
4.9	12905	2.55	287	11.0	MSEP311L4	--	132M-4	OK	PAGE 160
5.0	12718	2.48	283	22.0	--	MSEP311R4	132M-4	OK	PAGE 160
5.0	12598	3.64	280	11.0	MSEP313L4	--	132M-4	OK	PAGE 170
5.0	12514	1.21	278	7.5	MSEP309L4	--	132M-4	OK	PAGE 140
5.2	12521	1.35	269	18.0	MSEP310L3	--	132M-4	OK	PAGE 150
5.2	12085	1.58	268	14.0	--	MSEP310R4	132M-4	OK	PAGE 150
5.3	12322	1.88	265	18.0	MSEP311L3	--	132M-4	OK	PAGE 160
5.4	11713	1.27	260	14.0	--	MSEP309R4	132M-4	OK	PAGE 140
5.4	12018	3.63	258	18.0	MSEP313L3	--	132M-4	OK	PAGE 170
5.4	11998	0.94	258	11.0	MSEP309L3	--	132M-4	OK	PAGE 140
5.5	11519	2.79	256	11.0	MSEP311L4	--	132M-4	OK	PAGE 160
5.6	11263	3.64	250	11.0	MSEP313L4	--	132M-4	OK	PAGE 170
5.9	10659	2.79	237	22.0	--	MSEP311R4	132M-4	OK	PAGE 160

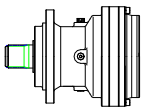
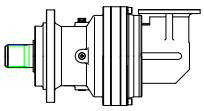
MSEP300 series gear motor

P1=7.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
6.2	10151	1.82	226	14.0	--	MSEP310R4	132M-4	OK	PAGE 150
6.3	10383	2.58	223	18.0	MSEP311L3	--	132M-4	OK	PAGE 160
6.4	10231	1.64	220	18.0	MSEP310L3	--	132M-4	OK	PAGE 150
6.4	9839	0.85	219	14.0	--	MSEP307R4	132M-4	OK	PAGE 130
6.4	9839	1.45	219	14.0	--	MSEP309R4	132M-4	OK	PAGE 140
6.6	9804	0.94	211	11.0	MSEP307L3	--	132M-4	OK	PAGE 130
6.6	9804	1.52	211	11.0	MSEP309L3	--	132M-4	OK	PAGE 140
6.7	9370	0.91	208	12.0	--	MSEP306R4	132M-4	OK	PAGE 120
7.0	8953	3.15	199	22.0	--	MSEP311R4	132M-4	OK	PAGE 160
7.1	9182	2.23	197	18.0	MSEP310L3	--	132M-4	OK	PAGE 150
7.4	8527	2.06	189	14.0	--	MSEP310R4	132M-4	OK	PAGE 150
7.4	8748	2.93	188	18.0	MSEP311L3	--	132M-4	OK	PAGE 160
8.1	7816	3.52	174	22.0	--	MSEP311R4	132M-4	OK	PAGE 160
8.3	7856	1.17	169	11.0	MSEP307L3	--	132M-4	OK	PAGE 130
8.3	7856	1.88	169	11.0	MSEP309L3	--	132M-4	OK	PAGE 140
8.3	7580	1.09	168	14.0	--	MSEP307R4	132M-4	OK	PAGE 130
8.3	7580	1.82	168	14.0	--	MSEP309R4	132M-4	OK	PAGE 140
8.7	7503	2.58	161	18.0	MSEP310L3	--	132M-4	OK	PAGE 150
8.7	7219	1.15	160	12.0	--	MSEP306R4	132M-4	OK	PAGE 120
9.1	7149	3.28	154	18.0	MSEP311L3	--	132M-4	OK	PAGE 160
9.2	7050	1.38	151	11.0	MSEP307L3	--	132M-4	OK	PAGE 130
9.2	7050	1.99	151	11.0	MSEP309L3	--	132M-4	OK	PAGE 140
9.6	6537	2.55	145	14.0	--	MSEP310R4	132M-4	OK	PAGE 150
9.7	6733	2.81	145	18.0	MSEP310L3	--	132M-4	OK	PAGE 150
9.8	6635	1.05	143	7.5	MSEP306L3	--	132M-4	OK	PAGE 120
10.2	6415	3.52	138	18.0	MSEP311L3	--	132M-4	OK	PAGE 160
10.9	5772	1.33	128	14.0	--	MSEP307R4	132M-4	OK	PAGE 130
10.9	5772	1.88	128	14.0	--	MSEP309R4	132M-4	OK	PAGE 140
11.0	5908	1.64	127	11.0	MSEP307L3	--	132M-4	OK	PAGE 130
11.0	5908	2.34	127	11.0	MSEP309L3	--	132M-4	OK	PAGE 140
11.3	5767	2.34	124	20.0	--	MSEP310R3	132M-4	OK	PAGE 150
11.3	5750	3.28	124	18.0	MSEP310L3	--	132M-4	OK	PAGE 150
11.5	5497	1.37	122	12.0	--	MSEP306R4	132M-4	OK	PAGE 120
12.5	5039	1.45	112	14.0	--	MSEP307R4	132M-4	OK	PAGE 130
12.9	5068	1.41	109	20.0	--	MSEP307R3	132M-4	OK	PAGE 130
12.9	5068	1.88	109	20.0	--	MSEP309R3	132M-4	OK	PAGE 140
13.1	4963	1.88	107	11.0	MSEP307L3	--	132M-4	OK	PAGE 130
13.1	4963	2.70	107	11.0	MSEP309L3	--	132M-4	OK	PAGE 140
13.8	4727	1.29	102	7.5	MSEP306L3	--	132M-4	OK	PAGE 120
13.8	4706	2.81	101	20.0	--	MSEP310R3	132M-4	OK	PAGE 150
14.1	4614	1.05	99.1	14.0	--	MSEP306R3	132M-4	OK	PAGE 120
15.0	4215	1.70	93.6	12.0	--	MSEP306R4	132M-4	OK	PAGE 120
15.3	4270	1.76	91.7	20.0	--	MSEP307R3	132M-4	OK	PAGE 130
15.3	4270	2.11	91.7	20.0	--	MSEP309R3	132M-4	OK	PAGE 140
16.2	4019	3.16	86.3	20.0	--	MSEP310R3	132M-4	OK	PAGE 150
17.0	3823	2.34	82.1	11.0	MSEP307L3	--	132M-4	OK	PAGE 130
17.0	3823	3.28	82.1	11.0	MSEP309L3	--	132M-4	OK	PAGE 140
17.1	3818	1.05	82.0	7.5	MSEP305L3	--	132M-4	OK	PAGE 110
17.3	3765	1.52	80.9	14.0	--	MSEP306R3	132M-4	OK	PAGE 120
17.9	3641	1.52	78.2	7.5	MSEP306L3	--	132M-4	OK	PAGE 120
18.7	3489	2.11	75.0	20.0	--	MSEP307R3	132M-4	OK	PAGE 130

MSEP300 series gear motor

P1=7.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
18.7	3489	2.34	75.0	20.0	--	MSEP309R3	132M-4	OK	PAGE 140
19.6	3333	1.05	71.6	7.5	MSEP305L3	--	132M-4	OK	PAGE 110
20.8	3131	2.34	67.3	20.0	--	MSEP307R3	132M-4	OK	PAGE 130
20.8	3131	2.58	67.3	20.0	--	MSEP309R3	132M-4	OK	PAGE 140
21.2	3076	1.76	66.1	14.0	--	MSEP306R3	132M-4	OK	PAGE 120
21.2	3067	1.05	65.9	14.0	--	MSEP305R3	132M-4	OK	PAGE 110
22.2	2941	1.05	63.2	7.5	MSEP305L3	--	132M-4	OK	PAGE 110
22.4	2912	2.93	62.5	11.0	MSEP307L3	--	132M-4	OK	PAGE 130
22.8	2863	1.17	61.5	14.0	--	MSEP305R3	132M-4	OK	PAGE 110
23.5	2773	1.93	59.6	7.5	MSEP306L3	--	132M-4	OK	PAGE 120
23.6	2761	1.93	59.3	14.0	--	MSEP306R3	132M-4	OK	PAGE 120
23.7	2753	1.17	59.1	14.0	--	MSEP305R3	132M-4	OK	PAGE 110
24.8	2624	2.34	56.4	20.0	--	MSEP309R3	132M-4	OK	PAGE 140
24.8	2624	2.58	56.4	20.0	--	MSEP307R3	132M-4	OK	PAGE 130
25.4	2568	1.17	55.2	7.5	MSEP305L3	--	132M-4	OK	PAGE 110
25.6	2542	3.28	54.6	11.0	MSEP307L3	--	132M-4	OK	PAGE 130
27.1	2405	1.08	51.7	14.0	--	MSEP303R3	132M-4	OK	PAGE 100
27.1	2405	1.41	51.7	14.0	--	MSEP305R3	132M-4	OK	PAGE 110
27.6	2358	2.23	50.6	14.0	--	MSEP306R3	132M-4	OK	PAGE 120
28.2	2312	1.02	49.7	14.0	--	MSEP303R3	132M-4	OK	PAGE 100
28.2	2312	1.41	49.7	14.0	--	MSEP305R3	132M-4	OK	PAGE 110
28.5	2361	1.13	49.1	9.0	MSEP305L2	--	132M-4	OK	PAGE 110
29.0	2325	1.82	48.3	13.0	MSEP306L2	--	132M-4	OK	PAGE 120
29.1	2240	0.94	48.1	7.5	MSEP303L3	--	132M-4	OK	PAGE 100
29.1	2240	1.41	48.1	7.5	MSEP305L3	--	132M-4	OK	PAGE 110
29.6	2204	2.34	47.4	20.0	--	MSEP309R3	132M-4	OK	PAGE 140
29.6	2204	2.93	47.4	20.0	--	MSEP307R3	132M-4	OK	PAGE 130
30.7	2126	2.46	45.7	7.5	MSEP306L3	--	132M-4	OK	PAGE 120
32.6	1999	2.70	43.0	14.0	--	MSEP306R3	132M-4	OK	PAGE 120
33.9	1925	2.58	41.3	20.0	--	MSEP309R3	132M-4	OK	PAGE 140
33.9	1925	3.28	41.3	20.0	--	MSEP307R3	132M-4	OK	PAGE 130
34.9	1929	0.91	40.1	9.0	MSEP303L2	--	132M-4	OK	PAGE 100
34.9	1929	1.70	40.1	9.0	MSEP305L2	--	132M-4	OK	PAGE 110
35.5	1897	2.50	39.4	13.0	MSEP306L2	--	132M-4	OK	PAGE 120
36.6	1781	1.45	38.3	14.0	--	MSEP303R3	132M-4	OK	PAGE 100
36.6	1781	1.64	38.3	14.0	--	MSEP305R3	132M-4	OK	PAGE 110
38.8	1680	3.16	36.1	14.0	--	MSEP306R3	132M-4	OK	PAGE 120
43.4	1550	2.72	32.2	13.0	MSEP306L2	--	132M-4	OK	PAGE 120
43.5	1500	2.93	32.2	20.0	--	MSEP309R3	132M-4	OK	PAGE 140
43.6	1546	1.13	32.1	9.0	MSEP303L2	--	132M-4	OK	PAGE 100
43.6	1546	2.04	32.1	9.0	MSEP305L2	--	132M-4	OK	PAGE 110
43.8	1539	0.85	32.0	7.5	MSEP301L2	--	132M-4	OK	PAGE 90
45.4	1436	0.90	30.8	12.0	--	MSEP301R3	132M-4	OK	PAGE 90
46.7	1443	1.30	30.0	9.0	MSEP303L2	--	132M-4	OK	PAGE 100
46.7	1443	2.21	30.0	9.0	MSEP305L2	--	132M-4	OK	PAGE 110
48.0	1357	1.76	29.1	14.0	--	MSEP305R3	132M-4	OK	PAGE 110
48.0	1357	1.79	29.1	14.0	--	MSEP303R3	132M-4	OK	PAGE 100
48.4	1391	2.95	28.9	13.0	MSEP306L2	--	132M-4	OK	PAGE 120
48.5	1387	1.36	28.8	9.0	MSEP303L2	--	132M-4	OK	PAGE 100
48.5	1387	2.27	28.8	9.0	MSEP305L2	--	132M-4	OK	PAGE 110
54.6	1233	0.93	25.6	7.5	MSEP301L2	--	132M-4	OK	PAGE 90

MSEP300 series gear motor

P1=7.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
55.0	1184	1.52	25.4	14.0	--	MSEP305R3	132M-4	OK	PAGE 110
55.0	1184	1.68	25.4	14.0	--	MSEP303R3	132M-4	OK	PAGE 100
55.6	1212	1.48	25.2	9.0	MSEP303L2	--	132M-4	OK	PAGE 100
55.6	1212	2.50	25.2	9.0	MSEP305L2	--	132M-4	OK	PAGE 110
56.7	1188	3.40	24.7	13.0	MSEP306L2	--	132M-4	OK	PAGE 120
57.8	1165	1.48	24.2	9.0	MSEP303L2	--	132M-4	OK	PAGE 100
57.8	1165	2.50	24.2	9.0	MSEP305L2	--	132M-4	OK	PAGE 110
59.6	1093	0.94	23.5	12.0	--	MSEP301R3	132M-4	OK	PAGE 90
70.9	950	1.13	19.8	7.5	MSEP301L2	--	132M-4	OK	PAGE 90
75.0	898	1.93	18.7	9.0	MSEP303L2	--	132M-4	OK	PAGE 100
75.0	898	2.84	18.7	9.0	MSEP305L2	--	132M-4	OK	PAGE 110
80.1	840	1.62	17.5	18.0	--	MSEP303R2	132M-4	OK	PAGE 100
80.1	840	1.62	17.5	18.0	--	MSEP305R2	132M-4	OK	PAGE 110
93.1	723	0.85	15.0	7.5	MSEP300L2	--	132M-4	OK	PAGE 80
93.1	723	1.36	15.0	7.5	MSEP301L2	--	132M-4	OK	PAGE 90
94.9	710	1.25	14.8	12.0	--	MSEP301R2	132M-4	OK	PAGE 90
98.1	687	2.14	14.3	18.0	--	MSEP303R2	132M-4	OK	PAGE 100
98.1	687	2.14	14.3	18.0	--	MSEP305R2	132M-4	OK	PAGE 110
98.5	684	2.50	14.2	9.0	MSEP303L2	--	132M-4	OK	PAGE 100
98.5	684	3.40	14.2	9.0	MSEP305L2	--	132M-4	OK	PAGE 110
109	616	3.06	12.8	18.0	--	MSEP303R2	132M-4	OK	PAGE 100
109	616	3.06	12.8	18.0	--	MSEP305R2	132M-4	OK	PAGE 110
113	597	2.84	12.4	9.0	MSEP303L2	--	132M-4	OK	PAGE 100
113	597	3.40	12.4	9.0	MSEP305L2	--	132M-4	OK	PAGE 110
118	569	1.59	11.8	12.0	--	MSEP301R2	132M-4	OK	PAGE 90
122	551	1.02	11.5	7.5	MSEP300L2	--	132M-4	OK	PAGE 80
122	551	1.70	11.5	7.5	MSEP301L2	--	132M-4	OK	PAGE 90
154	438	1.70	9.1	12.0	--	MSEP300R2	132M-4	OK	PAGE 80
154	438	1.70	9.1	12.0	--	MSEP301R2	132M-4	OK	PAGE 90
194	357	1.21	7.2	7.5	MSEP300L1	--	132M-4	OK	PAGE 80
194	357	1.21	7.2	7.5	MSEP300L1	--	132M-4	OK	PAGE 80
194	357	1.98	7.2	7.5	MSEP301L1	--	132M-4	OK	PAGE 90
202	334	1.70	6.9	12.0	--	MSEP300R2	132M-4	OK	PAGE 80
202	334	1.70	6.9	12.0	--	MSEP301R2	132M-4	OK	PAGE 90
243	286	1.65	5.8	7.5	MSEP300L1	--	132M-4	OK	PAGE 80
243	286	3.08	5.8	7.5	MSEP301L1	--	132M-4	OK	PAGE 90
315	221	2.20	4.4	7.5	MSEP300L1	--	132M-4	OK	PAGE 80
315	221	3.30	4.4	7.5	MSEP301L1	--	132M-4	OK	PAGE 90
414	168	2.20	3.4	7.5	MSEP300L1	--	132M-4	OK	PAGE 80

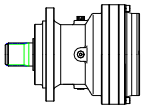
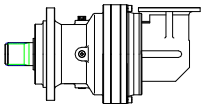
MSEP300 series gear motor

P1=11KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
1.0	91752	1.28	1390	18.0	MSEP316L4	--	160M-4	OK	PAGE 190
1.1	81141	0.87	1229	18.0	MSEP315L4	--	160M-4	OK	PAGE 180

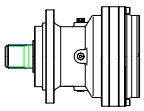
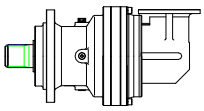
MSEP300 series gear motor

P1=11KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
1.2	77310	1.49	1171	18.0	MSEP316L4	--	160M-4	OK	PAGE 190
1.4	68369	1.16	1036	18.0	MSEP315L4	--	160M-4	OK	PAGE 180
1.4	64793	1.82	981	18.0	MSEP316L4	--	160M-4	OK	PAGE 190
1.6	57300	1.45	868	18.0	MSEP315L4	--	160M-4	OK	PAGE 180
1.7	54594	2.07	827	18.0	MSEP316L4	--	160M-4	OK	PAGE 190
1.8	50966	1.32	772	40.0	--	MSEP315R4	160M-4	OK	PAGE 180
1.8	50944	2.31	772	45.0	--	MSEP316R4	160M-4	OK	PAGE 190
2.1	44611	2.48	676	18.0	MSEP316L4	--	160M-4	OK	PAGE 190
2.1	43678	0.91	662	22.0	--	MSEP313R4	160M-4	OK	PAGE 170
2.2	42948	1.03	650	11.0	MSEP313L4	--	160M-4	OK	PAGE 170
2.2	42944	1.74	650	40.0	--	MSEP315R4	160M-4	OK	PAGE 180
2.2	42925	2.73	650	45.0	--	MSEP316R4	160M-4	OK	PAGE 190
2.2	42020	1.90	636	18.0	MSEP315L4	--	160M-4	OK	PAGE 180
2.3	40036	2.81	606	18.0	MSEP316L4	--	160M-4	OK	PAGE 190
2.5	36956	0.93	560	11.0	MSEP311L4	--	160M-4	OK	PAGE 160
2.5	36836	1.24	558	22.0	--	MSEP313R4	160M-4	OK	PAGE 170
2.6	36076	1.24	546	11.0	MSEP313L4	--	160M-4	OK	PAGE 170
2.6	35975	3.31	545	45.0	--	MSEP316R4	160M-4	OK	PAGE 190
2.6	35886	2.15	544	18.0	MSEP315L4	--	160M-4	OK	PAGE 180
2.6	35039	1.90	531	40.0	--	MSEP315R4	160M-4	OK	PAGE 180
2.8	33554	3.31	508	18.0	MSEP316L4	--	160M-4	OK	PAGE 190
3.0	31038	1.45	470	22.0	--	MSEP313R4	160M-4	OK	PAGE 170
3.0	30496	2.15	462	40.0	--	MSEP315R4	160M-4	OK	PAGE 180
3.0	30434	2.48	461	18.0	MSEP315L4	--	160M-4	OK	PAGE 180
3.1	30188	1.10	457	22.0	--	MSEP311R4	160M-4	OK	PAGE 160
3.2	28797	1.16	436	11.0	MSEP311L4	--	160M-4	OK	PAGE 160
3.3	28157	1.82	426	11.0	MSEP313L4	--	160M-4	OK	PAGE 170
3.6	25695	2.64	389	40.0	--	MSEP315R4	160M-4	OK	PAGE 180
3.6	25565	2.89	387	18.0	MSEP315L4	--	160M-4	OK	PAGE 180
3.6	25436	1.28	385	22.0	--	MSEP311R4	160M-4	OK	PAGE 160
3.6	25362	1.74	384	22.0	--	MSEP313R4	160M-4	OK	PAGE 170
3.8	24472	0.84	371	14.0	--	MSEP310R4	160M-4	OK	PAGE 150
4.1	22761	1.90	345	22.0	--	MSEP313R4	160M-4	OK	PAGE 170
4.2	22184	1.49	336	11.0	MSEP311L4	--	160M-4	OK	PAGE 160
4.3	21691	0.99	329	11.0	MSEP310L4	--	160M-4	OK	PAGE 150
4.3	21691	2.31	329	11.0	MSEP313L4	--	160M-4	OK	PAGE 170
4.3	21535	3.55	326	40.0	--	MSEP315R4	160M-4	OK	PAGE 180
4.4	20900	0.95	317	14.0	--	MSEP310R4	160M-4	OK	PAGE 150
4.4	20785	1.54	315	22.0	--	MSEP311R4	160M-4	OK	PAGE 160
4.6	20567	2.98	301	30.0	MSEP315L3	--	160M-4	OK	PAGE 180
4.8	19076	2.23	289	22.0	--	MSEP313R4	160M-4	OK	PAGE 170
4.9	18928	1.74	287	11.0	MSEP311L4	--	160M-4	OK	PAGE 160
5.0	18653	1.69	283	22.0	--	MSEP311R4	160M-4	OK	PAGE 160
5.0	18477	2.48	280	11.0	MSEP313L4	--	160M-4	OK	PAGE 170
5.2	18364	0.92	269	18.0	MSEP310L3	--	160M-4	OK	PAGE 150
5.2	17724	1.07	268	14.0	--	MSEP310R4	160M-4	OK	PAGE 150
5.3	18072	1.28	265	18.0	MSEP311L3	--	160M-4	OK	PAGE 160
5.4	17626	2.48	258	18.0	MSEP313L3	--	160M-4	OK	PAGE 170
5.5	16894	1.90	256	11.0	MSEP311L4	--	160M-4	OK	PAGE 160
5.6	16519	2.48	250	11.0	MSEP313L4	--	160M-4	OK	PAGE 170
5.8	16024	2.56	243	22.0	--	MSEP313R4	160M-4	OK	PAGE 170

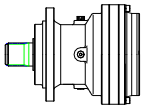
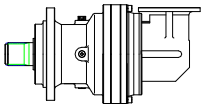
MSEP300 series gear motor

P1=11KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
5.9	15633	1.90	237	22.0	--	MSEP311R4	160M-4	OK	PAGE 160
6.2	14889	1.24	226	14.0	--	MSEP310R4	160M-4	OK	PAGE 150
6.3	15228	1.76	223	18.0	MSEP311L3	--	160M-4	OK	PAGE 160
6.4	15006	1.12	220	18.0	MSEP310L3	--	160M-4	OK	PAGE 150
6.4	14430	0.99	219	14.0	--	MSEP309R4	160M-4	OK	PAGE 140
6.4	14865	2.88	218	18.0	MSEP313L3	--	160M-4	OK	PAGE 170
6.6	13989	2.89	212	22.0	--	MSEP313R4	160M-4	OK	PAGE 170
6.6	14379	1.04	211	11.0	MSEP309L3	--	160M-4	OK	PAGE 140
7.0	13132	2.15	199	22.0	--	MSEP311R4	160M-4	OK	PAGE 160
7.1	13467	1.52	197	18.0	MSEP310L3	--	160M-4	OK	PAGE 150
7.4	12506	1.40	189	14.0	--	MSEP310R4	160M-4	OK	PAGE 150
7.4	12506	2.89	189	22.0	--	MSEP313R4	160M-4	OK	PAGE 170
7.4	12831	2.00	188	18.0	MSEP311L3	--	160M-4	OK	PAGE 160
7.6	12525	3.20	183	18.0	MSEP313L3	--	160M-4	OK	PAGE 170
8.1	11464	2.40	174	22.0	--	MSEP311R4	160M-4	OK	PAGE 160
8.3	11521	1.28	169	11.0	MSEP309L3	--	160M-4	OK	PAGE 140
8.3	11117	1.24	168	14.0	--	MSEP309R4	160M-4	OK	PAGE 140
8.5	10918	2.89	165	22.0	--	MSEP313R4	160M-4	OK	PAGE 170
8.7	11004	1.76	161	18.0	MSEP310L3	--	160M-4	OK	PAGE 150
9.0	10232	2.64	155	22.0	--	MSEP311R4	160M-4	OK	PAGE 160
9.1	10485	2.24	154	18.0	MSEP311L3	--	160M-4	OK	PAGE 160
9.2	10340	0.94	151	11.0	MSEP307L3	--	160M-4	OK	PAGE 130
9.2	10340	1.36	151	11.0	MSEP309L3	--	160M-4	OK	PAGE 140
9.3	10235	3.60	150	18.0	MSEP313L3	--	160M-4	OK	PAGE 170
9.6	9588	1.74	145	14.0	--	MSEP310R4	160M-4	OK	PAGE 150
9.7	9876	1.92	145	18.0	MSEP310L3	--	160M-4	OK	PAGE 150
9.8	9787	3.20	143	40.0	--	MSEP313R3	160M-4	OK	PAGE 170
10.2	9409	2.40	138	18.0	MSEP311L3	--	160M-4	OK	PAGE 160
10.9	8508	2.89	129	22.0	--	MSEP313R4	160M-4	OK	PAGE 170
10.9	8466	1.28	128	14.0	--	MSEP309R4	160M-4	OK	PAGE 140
11.0	8666	1.12	127	11.0	MSEP307L3	--	160M-4	OK	PAGE 130
11.0	8666	1.60	127	11.0	MSEP309L3	--	160M-4	OK	PAGE 140
11.3	8459	1.60	124	20.0	--	MSEP310R3	160M-4	OK	PAGE 150
11.3	8455	2.80	124	40.0	--	MSEP311R3	160M-4	OK	PAGE 160
11.3	8434	2.24	124	18.0	MSEP310L3	--	160M-4	OK	PAGE 150
11.5	8063	0.93	122	12.0	--	MSEP306R4	160M-4	OK	PAGE 120
11.6	8254	3.60	121	40.0	--	MSEP313R3	160M-4	OK	PAGE 170
12.1	7886	2.80	116	18.0	MSEP311L3	--	160M-4	OK	PAGE 160
12.5	7391	0.99	112	14.0	--	MSEP307R4	160M-4	OK	PAGE 130
12.9	7433	0.96	109	20.0	--	MSEP307R3	160M-4	OK	PAGE 130
12.9	7433	1.28	109	20.0	--	MSEP309R3	160M-4	OK	PAGE 140
13.1	7279	1.28	107	11.0	MSEP307L3	--	160M-4	OK	PAGE 130
13.1	7279	1.84	107	11.0	MSEP309L3	--	160M-4	OK	PAGE 140
13.4	7153	2.56	105	18.0	MSEP310L3	--	160M-4	OK	PAGE 150
13.4	7124	3.20	104	40.0	--	MSEP311R3	160M-4	OK	PAGE 160
13.8	6933	0.88	102	7.5	MSEP306L3	--	160M-4	NO !	PAGE 120
13.8	6902	1.92	101	20.0	--	MSEP310R3	160M-4	OK	PAGE 150
14.4	6624	3.04	97.0	18.0	MSEP311L3	--	160M-4	OK	PAGE 160
15.0	6181	1.16	93.6	12.0	--	MSEP306R4	160M-4	OK	PAGE 120
15.3	6263	1.20	91.7	20.0	--	MSEP307R3	160M-4	OK	PAGE 130
15.3	6263	1.44	91.7	20.0	--	MSEP309R3	160M-4	OK	PAGE 140

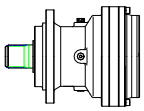
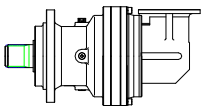
MSEP300 series gear motor

P1=11KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
15.9	6008	2.96	88.0	18.0	MSEP310L3	--	160M-4	OK	PAGE 150
16.2	5894	2.16	86.3	20.0	--	MSEP310R3	160M-4	OK	PAGE 150
16.5	5783	3.36	84.7	18.0	MSEP311L3	--	160M-4	OK	PAGE 160
17.0	5608	1.60	82.1	11.0	MSEP307L3	--	160M-4	OK	PAGE 130
17.0	5608	2.24	82.1	11.0	MSEP309L3	--	160M-4	OK	PAGE 140
17.3	5521	1.04	80.9	14.0	--	MSEP306R3	160M-4	OK	PAGE 120
17.9	5341	1.04	78.2	7.5	MSEP306L3	--	160M-4	NO !	PAGE 120
18.7	5117	1.44	75.0	20.0	--	MSEP307R3	160M-4	OK	PAGE 130
18.7	5117	1.60	75.0	20.0	--	MSEP309R3	160M-4	OK	PAGE 140
18.9	5061	2.64	74.1	20.0	--	MSEP310R3	160M-4	OK	PAGE 150
18.9	5047	3.36	73.9	18.0	MSEP310L3	--	160M-4	OK	PAGE 150
20.8	4593	1.60	67.3	20.0	--	MSEP307R3	160M-4	OK	PAGE 130
20.8	4593	1.76	67.3	20.0	--	MSEP309R3	160M-4	OK	PAGE 140
21.2	4512	1.20	66.1	14.0	--	MSEP306R3	160M-4	OK	PAGE 120
22.1	4322	2.96	63.3	20.0	--	MSEP310R3	160M-4	OK	PAGE 150
22.4	4270	2.00	62.5	11.0	MSEP307L3	--	160M-4	OK	PAGE 130
22.4	4270	2.64	62.5	11.0	MSEP309L3	--	160M-4	OK	PAGE 140
23.5	4067	1.32	59.6	7.5	MSEP306L3	--	160M-4	NO !	PAGE 120
23.6	4049	1.32	59.3	14.0	--	MSEP306R3	160M-4	OK	PAGE 120
24.8	3849	1.60	56.4	20.0	--	MSEP309R3	160M-4	OK	PAGE 140
24.8	3849	1.76	56.4	20.0	--	MSEP307R3	160M-4	OK	PAGE 130
25.6	3728	2.24	54.6	11.0	MSEP307L3	--	160M-4	OK	PAGE 130
25.6	3728	2.88	54.6	11.0	MSEP309L3	--	160M-4	OK	PAGE 140
26.1	3666	3.28	53.7	20.0	--	MSEP310R3	160M-4	OK	PAGE 150
27.1	3527	0.96	51.7	14.0	--	MSEP305R3	160M-4	OK	PAGE 110
27.6	3458	1.52	50.6	14.0	--	MSEP306R3	160M-4	OK	PAGE 120
28.2	3391	0.96	49.7	14.0	--	MSEP305R3	160M-4	OK	PAGE 110
29.0	3410	1.24	48.3	13.0	MSEP306L2	--	160M-4	OK	PAGE 120
29.1	3285	0.96	48.1	7.5	MSEP305L3	--	160M-4	NO !	PAGE 110
29.6	3233	1.60	47.4	20.0	--	MSEP309R3	160M-4	OK	PAGE 140
29.6	3233	2.00	47.4	20.0	--	MSEP307R3	160M-4	OK	PAGE 130
30.7	3118	1.68	45.7	7.5	MSEP306L3	--	160M-4	NO !	PAGE 120
31.0	3079	3.60	45.1	20.0	--	MSEP310R3	160M-4	OK	PAGE 150
32.6	2933	1.84	43.0	14.0	--	MSEP306R3	160M-4	OK	PAGE 120
32.9	2905	3.36	42.5	11.0	MSEP309L3	--	160M-4	OK	PAGE 140
33.0	2996	2.48	42.5	18.0	MSEP307L2	--	160M-4	OK	PAGE 130
33.0	2996	3.25	42.5	18.0	MSEP309L2	--	160M-4	OK	PAGE 140
33.9	2823	1.76	41.3	20.0	--	MSEP309R3	160M-4	OK	PAGE 140
34.9	2829	1.16	40.1	9.0	MSEP305L2	--	160M-4	NO !	PAGE 110
35.3	2704	3.60	39.6	20.0	--	MSEP310R3	160M-4	OK	PAGE 150
35.5	2782	1.70	39.4	13.0	MSEP306L2	--	160M-4	OK	PAGE 120
36.6	2613	0.99	38.3	14.0	--	MSEP303R3	160M-4	OK	PAGE 100
36.6	2613	1.12	38.3	14.0	--	MSEP305R3	160M-4	OK	PAGE 110
38.8	2463	2.16	36.1	14.0	--	MSEP306R3	160M-4	OK	PAGE 120
39.1	2525	2.86	35.8	18.0	MSEP307L2	--	160M-4	OK	PAGE 130
43.4	2273	1.86	32.2	13.0	MSEP306L2	--	160M-4	OK	PAGE 120
43.5	2199	2.00	32.2	20.0	--	MSEP309R3	160M-4	OK	PAGE 140
43.5	2199	2.40	32.2	20.0	--	MSEP307R3	160M-4	OK	PAGE 130
43.6	2267	1.39	32.1	9.0	MSEP305L2	--	160M-4	NO !	PAGE 110
46.7	2116	0.89	30.0	9.0	MSEP303L2	--	160M-4	NO !	PAGE 100
46.7	2116	1.51	30.0	9.0	MSEP305L2	--	160M-4	NO !	PAGE 110

MSEP300 series gear motor

P1=11KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
47.9	2063	3.48	29.3	18.0	MSEP307L2	--	160M-4	OK	PAGE 130
48.0	1990	1.20	29.1	14.0	--	MSEP305R3	160M-4	OK	PAGE 110
48.0	1990	1.22	29.1	14.0	--	MSEP303R3	160M-4	OK	PAGE 100
48.4	2040	2.01	28.9	13.0	MSEP306L2	--	160M-4	OK	PAGE 120
48.5	2034	0.93	28.8	9.0	MSEP303L2	--	160M-4	NO !	PAGE 100
48.5	2034	1.55	28.8	9.0	MSEP305L2	--	160M-4	NO !	PAGE 110
50.6	1889	2.80	27.7	14.0	--	MSEP306R3	160M-4	OK	PAGE 120
55.0	1737	1.04	25.4	14.0	--	MSEP305R3	160M-4	OK	PAGE 110
55.0	1737	1.14	25.4	14.0	--	MSEP303R3	160M-4	OK	PAGE 100
55.6	1777	1.01	25.2	9.0	MSEP303L2	--	160M-4	NO !	PAGE 100
55.6	1777	1.70	25.2	9.0	MSEP305L2	--	160M-4	NO !	PAGE 110
56.7	1742	2.32	24.7	13.0	MSEP306L2	--	160M-4	OK	PAGE 120
57.8	1709	1.01	24.2	9.0	MSEP303L2	--	160M-4	NO !	PAGE 100
57.8	1709	1.70	24.2	9.0	MSEP305L2	--	160M-4	NO !	PAGE 110
59.4	1664	3.25	23.6	35.0	--	MSEP307R2	160M-4	OK	PAGE 130
59.4	1664	3.48	23.6	35.0	--	MSEP309R2	160M-4	OK	PAGE 140
66.8	1478	3.09	21.0	13.0	MSEP306L2	--	160M-4	OK	PAGE 120
70.4	1402	3.48	19.9	35.0	--	MSEP309R2	160M-4	OK	PAGE 140
75.0	1316	1.32	18.7	9.0	MSEP303L2	--	160M-4	NO !	PAGE 100
75.0	1316	1.93	18.7	9.0	MSEP305L2	--	160M-4	NO !	PAGE 110
77.0	1281	2.71	18.2	18.0	--	MSEP306R2	160M-4	OK	PAGE 120
79.5	1241	3.09	17.6	13.0	MSEP306L2	--	160M-4	OK	PAGE 120
80.1	1232	1.11	17.5	18.0	--	MSEP303R2	160M-4	OK	PAGE 100
80.1	1232	1.11	17.5	18.0	--	MSEP305R2	160M-4	OK	PAGE 110
93.1	1061	0.93	15.0	7.5	MSEP301L2	--	160M-4	NO !	PAGE 90
94.4	1046	2.71	14.8	18.0	--	MSEP306R2	160M-4	OK	PAGE 120
94.9	1041	0.85	14.8	12.0	--	MSEP301R2	160M-4	OK	PAGE 90
98.1	1007	1.46	14.3	18.0	--	MSEP303R2	160M-4	OK	PAGE 100
98.1	1007	1.46	14.3	18.0	--	MSEP305R2	160M-4	OK	PAGE 110
98.5	1003	1.70	14.2	9.0	MSEP303L2	--	160M-4	NO !	PAGE 100
98.5	1003	2.32	14.2	9.0	MSEP305L2	--	160M-4	NO !	PAGE 110
104	952	3.09	13.5	13.0	MSEP306L2	--	160M-4	OK	PAGE 120
109	904	2.09	12.8	18.0	--	MSEP303R2	160M-4	OK	PAGE 100
109	904	2.09	12.8	18.0	--	MSEP305R2	160M-4	OK	PAGE 110
111	893	2.71	12.7	18.0	--	MSEP306R2	160M-4	OK	PAGE 120
113	875	1.93	12.4	9.0	MSEP303L2	--	160M-4	NO !	PAGE 100
113	875	2.32	12.4	9.0	MSEP305L2	--	160M-4	NO !	PAGE 110
118	834	1.08	11.8	12.0	--	MSEP301R2	160M-4	OK	PAGE 90
122	808	1.16	11.5	7.5	MSEP301L2	--	160M-4	NO !	PAGE 90
130	759	2.71	10.8	18.0	--	MSEP303R2	160M-4	OK	PAGE 100
130	759	2.71	10.8	18.0	--	MSEP305R2	160M-4	OK	PAGE 110
130	757	2.71	10.7	18.0	--	MSEP306R2	160M-4	OK	PAGE 120
148	665	2.71	9.4	18.0	--	MSEP306R2	160M-4	OK	PAGE 120
149	663	2.71	9.4	18.0	--	MSEP303R2	160M-4	OK	PAGE 100
149	663	2.71	9.4	18.0	--	MSEP305R2	160M-4	OK	PAGE 110
154	643	1.16	9.1	12.0	--	MSEP301R2	160M-4	OK	PAGE 90
194	524	1.35	7.2	7.5	MSEP301L1	--	160M-4	NO !	PAGE 90
202	489	1.16	6.9	12.0	--	MSEP301R2	160M-4	OK	PAGE 90
205	496	2.70	6.8	11.0	MSEP303L1	--	160M-4	OK	PAGE 100
243	420	1.12	5.8	7.5	MSEP300L1	--	160M-4	NO !	PAGE 80
243	420	2.10	5.8	7.5	MSEP301L1	--	160M-4	NO !	PAGE 90

MSEP300 series gear motor

P1=11KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
251	405	3.00	5.6	11.0	MSEP303L1	--	160M-4	OK	PAGE 100
280	364	3.00	5.0	11.0	MSEP303L1	--	160M-4	OK	PAGE 100
280	364	3.00	5.0	11.0	MSEP303L1	--	160M-4	OK	PAGE 100
315	323	1.50	4.4	7.5	MSEP300L1	--	160M-4	NO !	PAGE 80
315	323	2.25	4.4	7.5	MSEP301L1	--	160M-4	NO !	PAGE 90
333	306	3.00	4.2	11.0	MSEP303L1	--	160M-4	OK	PAGE 100
382	267	3.00	3.7	11.0	MSEP303L1	--	160M-4	OK	PAGE 100
414	246	1.50	3.4	7.5	MSEP300L1	--	160M-4	NO !	PAGE 80
414	246	2.25	3.4	7.5	MSEP301L1	--	160M-4	NO !	PAGE 90

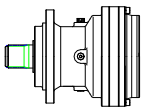
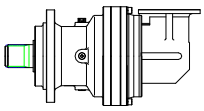
MSEP300 series gear motor

P1=15KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
1.0	125117	0.94	1390	18.0	MSEP316L4	--	160L-4	OK	PAGE 190
1.2	105422	1.09	1171	18.0	MSEP316L4	--	160L-4	OK	PAGE 190
1.4	93231	0.85	1036	18.0	MSEP315L4	--	160L-4	OK	PAGE 180
1.4	88354	1.33	981	18.0	MSEP316L4	--	160L-4	OK	PAGE 190
1.6	78136	1.06	868	18.0	MSEP315L4	--	160L-4	OK	PAGE 180
1.7	74446	1.52	827	18.0	MSEP316L4	--	160L-4	OK	PAGE 190
1.8	69499	0.97	772	40.0	--	MSEP315R4	160L-4	OK	PAGE 180
1.8	69470	1.70	772	45.0	--	MSEP316R4	160L-4	OK	PAGE 190
2.1	60833	1.82	676	18.0	MSEP316L4	--	160L-4	OK	PAGE 190
2.2	58560	1.27	650	40.0	--	MSEP315R4	160L-4	OK	PAGE 180
2.2	58534	2.00	650	45.0	--	MSEP316R4	160L-4	OK	PAGE 190
2.2	57300	1.39	636	18.0	MSEP315L4	--	160L-4	OK	PAGE 180
2.3	54594	2.06	606	18.0	MSEP316L4	--	160L-4	OK	PAGE 190
2.5	50231	0.91	558	22.0	--	MSEP313R4	160L-4	OK	PAGE 170
2.6	49195	0.91	546	11.0	MSEP313L4	--	160L-4	NO !	PAGE 170
2.6	49057	2.42	545	45.0	--	MSEP316R4	160L-4	OK	PAGE 190
2.6	48936	1.58	544	18.0	MSEP315L4	--	160L-4	OK	PAGE 180
2.6	47781	1.39	531	40.0	--	MSEP315R4	160L-4	OK	PAGE 180
2.8	45755	2.42	508	18.0	MSEP316L4	--	160L-4	OK	PAGE 190
3.0	42324	1.06	470	22.0	--	MSEP313R4	160L-4	OK	PAGE 170
3.0	41585	1.58	462	40.0	--	MSEP315R4	160L-4	OK	PAGE 180
3.0	41501	1.82	461	18.0	MSEP315L4	--	160L-4	OK	PAGE 180
3.0	41335	2.73	459	45.0	--	MSEP316R4	160L-4	OK	PAGE 190
3.2	39268	0.85	436	11.0	MSEP311L4	--	160L-4	NO !	PAGE 160
3.3	38434	2.85	427	18.0	MSEP316L4	--	160L-4	OK	PAGE 190
3.3	38396	1.33	426	11.0	MSEP313L4	--	160L-4	NO !	PAGE 170
3.5	35653	3.09	396	18.0	MSEP316L4	--	160L-4	OK	PAGE 190
3.6	35039	1.94	389	40.0	--	MSEP315R4	160L-4	OK	PAGE 180
3.6	34861	2.12	387	18.0	MSEP315L4	--	160L-4	OK	PAGE 180
3.6	34685	0.94	385	22.0	--	MSEP311R4	160L-4	OK	PAGE 160
3.6	34643	3.15	385	45.0	--	MSEP316R4	160L-4	OK	PAGE 190
3.6	34585	1.27	384	22.0	--	MSEP313R4	160L-4	OK	PAGE 170

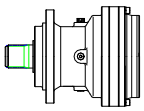
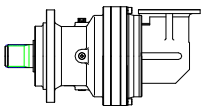
MSEP300 series gear motor

P1=15KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
4.1	31038	1.39	345	22.0	--	MSEP313R4	160L-4	OK	PAGE 170
4.2	30371	3.03	337	18.0	MSEP315L4	--	160L-4	OK	PAGE 180
4.2	30251	1.09	336	11.0	MSEP311L4	--	160L-4	NO !	PAGE 160
4.3	29579	1.70	329	11.0	MSEP313L4	--	160L-4	NO !	PAGE 170
4.3	29366	2.61	326	40.0	--	MSEP315R4	160L-4	OK	PAGE 180
4.4	28343	1.13	315	22.0	--	MSEP311R4	160L-4	OK	PAGE 160
4.6	28046	2.19	301	30.0	MSEP315L3	--	160L-4	OK	PAGE 180
4.8	26013	1.64	289	22.0	--	MSEP313R4	160L-4	OK	PAGE 170
4.9	25811	1.27	287	11.0	MSEP311L4	--	160L-4	NO !	PAGE 160
5.0	25436	1.24	283	22.0	--	MSEP311R4	160L-4	OK	PAGE 160
5.0	25196	1.82	280	11.0	MSEP313L4	--	160L-4	NO !	PAGE 170
5.0	25080	3.03	279	40.0	--	MSEP315R4	160L-4	OK	PAGE 180
5.3	24644	0.94	265	18.0	MSEP311L3	--	160L-4	OK	PAGE 160
5.4	24036	1.82	258	18.0	MSEP313L3	--	160L-4	OK	PAGE 170
5.5	23037	1.39	256	11.0	MSEP311L4	--	160L-4	NO !	PAGE 160
5.5	23632	2.87	254	30.0	MSEP315L3	--	160L-4	OK	PAGE 180
5.6	22526	1.82	250	11.0	MSEP313L4	--	160L-4	NO !	PAGE 170
5.8	21851	1.88	243	22.0	--	MSEP313R4	160L-4	OK	PAGE 170
5.9	21318	1.39	237	22.0	--	MSEP311R4	160L-4	OK	PAGE 160
6.2	20303	0.91	226	14.0	--	MSEP310R4	160L-4	NO !	PAGE 150
6.3	20765	1.29	223	18.0	MSEP311L3	--	160L-4	OK	PAGE 160
6.4	20271	2.11	218	18.0	MSEP313L3	--	160L-4	OK	PAGE 170
6.6	19076	2.12	212	22.0	--	MSEP313R4	160L-4	OK	PAGE 170
6.9	18976	3.42	204	30.0	MSEP316L3	--	160L-4	OK	PAGE 190
7.0	17907	1.58	199	22.0	--	MSEP311R4	160L-4	OK	PAGE 160
7.1	18364	1.11	197	18.0	MSEP310L3	--	160L-4	OK	PAGE 150
7.4	17054	1.03	189	14.0	--	MSEP310R4	160L-4	NO !	PAGE 150
7.4	17054	2.12	189	22.0	--	MSEP313R4	160L-4	OK	PAGE 170
7.4	17496	1.47	188	18.0	MSEP311L3	--	160L-4	OK	PAGE 160
7.6	17080	2.34	183	18.0	MSEP313L3	--	160L-4	OK	PAGE 170
8.1	15633	1.76	174	22.0	--	MSEP311R4	160L-4	OK	PAGE 160
8.5	14889	2.12	165	22.0	--	MSEP313R4	160L-4	OK	PAGE 170
8.7	15006	1.29	161	18.0	MSEP310L3	--	160L-4	OK	PAGE 150
9.0	13953	1.94	155	22.0	--	MSEP311R4	160L-4	OK	PAGE 160
9.1	14297	1.64	154	18.0	MSEP311L3	--	160L-4	OK	PAGE 160
9.2	14100	1.00	151	11.0	MSEP309L3	--	160L-4	NO !	PAGE 140
9.3	13957	2.64	150	18.0	MSEP313L3	--	160L-4	OK	PAGE 170
9.6	13075	1.27	145	14.0	--	MSEP310R4	160L-4	NO !	PAGE 150
9.7	13467	1.41	145	18.0	MSEP310L3	--	160L-4	OK	PAGE 150
9.8	13346	2.34	143	40.0	--	MSEP313R3	160L-4	OK	PAGE 170
10.2	12831	1.76	138	18.0	MSEP311L3	--	160L-4	OK	PAGE 160
10.4	12525	2.93	135	18.0	MSEP313L3	--	160L-4	OK	PAGE 170
10.9	11601	2.12	129	22.0	--	MSEP313R4	160L-4	OK	PAGE 170
10.9	11544	0.94	128	14.0	--	MSEP309R4	160L-4	NO !	PAGE 140
11.0	11817	1.17	127	11.0	MSEP309L3	--	160L-4	NO !	PAGE 140
11.3	11534	1.17	124	20.0	--	MSEP310R3	160L-4	OK	PAGE 150
11.3	11530	2.05	124	40.0	--	MSEP311R3	160L-4	OK	PAGE 160
11.3	11501	1.64	124	18.0	MSEP310L3	--	160L-4	OK	PAGE 150
11.6	11255	2.64	121	40.0	--	MSEP313R3	160L-4	OK	PAGE 170
12.1	10753	2.05	116	18.0	MSEP311L3	--	160L-4	OK	PAGE 160
12.4	10497	3.22	113	18.0	MSEP313L3	--	160L-4	OK	PAGE 170

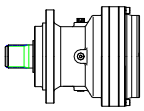
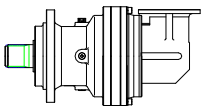
MSEP300 series gear motor

P1=15KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
12.9	10135	0.94	109	20.0	--	MSEP309R3	160L-4	OK	PAGE 140
13.1	9926	0.94	107	11.0	MSEP307L3	--	160L-4	NO !	PAGE 130
13.1	9926	1.35	107	11.0	MSEP309L3	--	160L-4	NO !	PAGE 140
13.4	9754	1.88	105	18.0	MSEP310L3	--	160L-4	OK	PAGE 150
13.4	9715	2.34	104	40.0	--	MSEP311R3	160L-4	OK	PAGE 160
13.7	9483	2.93	102	40.0	--	MSEP313R3	160L-4	OK	PAGE 170
13.8	9411	1.41	101	20.0	--	MSEP310R3	160L-4	OK	PAGE 150
14.4	9033	2.23	97.0	18.0	MSEP311L3	--	160L-4	OK	PAGE 160
14.8	8818	3.22	94.7	18.0	MSEP313L3	--	160L-4	OK	PAGE 170
15.3	8540	0.88	91.7	20.0	--	MSEP307R3	160L-4	OK	PAGE 130
15.3	8540	1.05	91.7	20.0	--	MSEP309R3	160L-4	OK	PAGE 140
15.9	8193	2.17	88.0	18.0	MSEP310L3	--	160L-4	OK	PAGE 150
16.0	8142	2.64	87.5	40.0	--	MSEP311R3	160L-4	OK	PAGE 160
16.2	8038	1.58	86.3	20.0	--	MSEP310R3	160L-4	OK	PAGE 150
16.5	7886	2.46	84.7	18.0	MSEP311L3	--	160L-4	OK	PAGE 160
16.9	7698	3.40	82.7	18.0	MSEP313L3	--	160L-4	OK	PAGE 170
17.0	7647	1.17	82.1	11.0	MSEP307L3	--	160L-4	NO !	PAGE 130
17.0	7647	1.64	82.1	11.0	MSEP309L3	--	160L-4	NO !	PAGE 140
18.5	7039	2.70	75.6	18.0	MSEP311L3	--	160L-4	OK	PAGE 160
18.7	6978	1.05	75.0	20.0	--	MSEP307R3	160L-4	OK	PAGE 130
18.7	6978	1.17	75.0	20.0	--	MSEP309R3	160L-4	OK	PAGE 140
18.9	6902	1.93	74.1	20.0	--	MSEP310R3	160L-4	OK	PAGE 150
18.9	6882	2.46	73.9	18.0	MSEP310L3	--	160L-4	OK	PAGE 150
18.9	6882	3.52	73.9	18.0	MSEP313L3	--	160L-4	OK	PAGE 170
20.5	6344	2.93	68.1	40.0	--	MSEP311R3	160L-4	OK	PAGE 160
20.8	6263	1.17	67.3	20.0	--	MSEP307R3	160L-4	OK	PAGE 130
20.8	6263	1.29	67.3	20.0	--	MSEP309R3	160L-4	OK	PAGE 140
21.2	6152	0.88	66.1	14.0	--	MSEP306R3	160L-4	NO !	PAGE 120
21.2	6145	2.93	66.0	18.0	MSEP311L3	--	160L-4	OK	PAGE 160
22.1	5894	2.17	63.3	20.0	--	MSEP310R3	160L-4	OK	PAGE 150
22.4	5823	1.47	62.5	11.0	MSEP307L3	--	160L-4	NO !	PAGE 130
22.4	5823	1.93	62.5	11.0	MSEP309L3	--	160L-4	NO !	PAGE 140
23.6	5521	0.97	59.3	14.0	--	MSEP306R3	160L-4	NO !	PAGE 120
24.7	5276	2.93	56.7	18.0	MSEP310L3	--	160L-4	OK	PAGE 150
24.8	5249	1.17	56.4	20.0	--	MSEP309R3	160L-4	OK	PAGE 140
24.8	5249	1.29	56.4	20.0	--	MSEP307R3	160L-4	OK	PAGE 130
25.6	5084	1.64	54.6	11.0	MSEP307L3	--	160L-4	NO !	PAGE 130
25.6	5084	2.11	54.6	11.0	MSEP309L3	--	160L-4	NO !	PAGE 140
26.1	4999	2.40	53.7	20.0	--	MSEP310R3	160L-4	OK	PAGE 150
27.6	4715	1.11	50.6	14.0	--	MSEP306R3	160L-4	NO !	PAGE 120
29.0	4650	0.91	48.3	13.0	MSEP306L2	--	160L-4	NO !	PAGE 120
29.0	4650	3.04	48.3	22.0	MSEP310L2	--	160L-4	OK	PAGE 150
29.6	4409	1.17	47.4	20.0	--	MSEP309R3	160L-4	OK	PAGE 140
29.6	4409	1.47	47.4	20.0	--	MSEP307R3	160L-4	OK	PAGE 130
31.0	4199	2.64	45.1	20.0	--	MSEP310R3	160L-4	OK	PAGE 150
32.6	3999	1.35	43.0	14.0	--	MSEP306R3	160L-4	NO !	PAGE 120
32.9	3961	2.46	42.5	11.0	MSEP309L3	--	160L-4	NO !	PAGE 140
33.0	4086	1.82	42.5	18.0	MSEP307L2	--	160L-4	OK	PAGE 130
33.0	4086	2.38	42.5	18.0	MSEP309L2	--	160L-4	OK	PAGE 140
33.9	3849	1.29	41.3	20.0	--	MSEP309R3	160L-4	OK	PAGE 140
34.9	3858	0.85	40.1	9.0	MSEP305L2	--	160L-4	NO !	PAGE 110

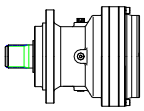
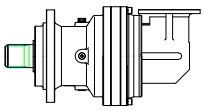
MSEP300 series gear motor

P1=15KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
35.3	3687	2.64	39.6	20.0	--	MSEP310R3	160L-4	OK	PAGE 150
35.5	3794	1.25	39.4	13.0	MSEP306L2	--	160L-4	NO !	PAGE 120
38.8	3359	1.58	36.1	14.0	--	MSEP306R3	160L-4	NO !	PAGE 120
39.1	3443	2.10	35.8	18.0	MSEP307L2	--	160L-4	OK	PAGE 130
39.1	3443	3.23	35.8	18.0	MSEP309L2	--	160L-4	OK	PAGE 140
43.4	3100	1.36	32.2	13.0	MSEP306L2	--	160L-4	NO !	PAGE 120
43.5	2999	1.47	32.2	20.0	--	MSEP309R3	160L-4	OK	PAGE 140
43.5	2999	1.76	32.2	20.0	--	MSEP307R3	160L-4	OK	PAGE 130
43.6	3091	1.02	32.1	9.0	MSEP305L2	--	160L-4	NO !	PAGE 110
46.7	2885	1.11	30.0	9.0	MSEP305L2	--	160L-4	NO !	PAGE 110
47.9	2813	2.55	29.3	18.0	MSEP307L2	--	160L-4	OK	PAGE 130
47.9	2813	3.40	29.3	18.0	MSEP309L2	--	160L-4	OK	PAGE 140
48.4	2782	1.48	28.9	13.0	MSEP306L2	--	160L-4	NO !	PAGE 120
48.5	2774	1.13	28.8	9.0	MSEP305L2	--	160L-4	NO !	PAGE 110
50.6	2575	2.05	27.7	14.0	--	MSEP306R3	160L-4	NO !	PAGE 120
53.3	2525	2.84	26.3	18.0	MSEP307L2	--	160L-4	OK	PAGE 130
53.3	2525	3.40	26.3	18.0	MSEP309L2	--	160L-4	OK	PAGE 140
55.6	2424	1.25	25.2	9.0	MSEP305L2	--	160L-4	NO !	PAGE 110
56.7	2376	1.70	24.7	13.0	MSEP306L2	--	160L-4	NO !	PAGE 120
57.8	2330	1.25	24.2	9.0	MSEP305L2	--	160L-4	NO !	PAGE 110
59.4	2268	2.38	23.6	35.0	--	MSEP307R2	160L-4	OK	PAGE 130
59.4	2268	2.55	23.6	35.0	--	MSEP309R2	160L-4	OK	PAGE 140
63.6	2116	3.12	22.0	18.0	MSEP307L2	--	160L-4	OK	PAGE 130
63.6	2116	3.40	22.0	18.0	MSEP309L2	--	160L-4	OK	PAGE 140
66.8	2015	2.27	21.0	13.0	MSEP306L2	--	160L-4	NO !	PAGE 120
70.4	1911	2.55	19.9	35.0	--	MSEP307R2	160L-4	OK	PAGE 130
70.4	1911	2.55	19.9	35.0	--	MSEP309R2	160L-4	OK	PAGE 140
75.0	1795	1.42	18.7	9.0	MSEP305L2	--	160L-4	NO !	PAGE 110
75.8	1777	3.40	18.5	18.0	MSEP307L2	--	160L-4	OK	PAGE 130
75.8	1777	3.40	18.5	18.0	MSEP309L2	--	160L-4	OK	PAGE 140
77.0	1747	1.99	18.2	18.0	--	MSEP306R2	160L-4	OK	PAGE 120
79.5	1693	2.27	17.6	13.0	MSEP306L2	--	160L-4	NO !	PAGE 120
84.0	1602	2.84	16.7	35.0	--	MSEP307R2	160L-4	OK	PAGE 130
84.0	1602	2.84	16.7	35.0	--	MSEP309R2	160L-4	OK	PAGE 140
86.8	1552	3.40	16.1	18.0	MSEP307L2	--	160L-4	OK	PAGE 130
86.8	1552	3.40	16.1	18.0	MSEP307L2	--	160L-4	OK	PAGE 130
86.8	1552	3.40	16.1	18.0	MSEP309L2	--	160L-4	OK	PAGE 140
94.4	1426	1.99	14.8	18.0	--	MSEP306R2	160L-4	OK	PAGE 120
98.1	1373	1.07	14.3	18.0	--	MSEP303R2	160L-4	OK	PAGE 100
98.1	1373	1.07	14.3	18.0	--	MSEP305R2	160L-4	OK	PAGE 110
98.5	1367	1.70	14.2	9.0	MSEP305L2	--	160L-4	NO !	PAGE 110
104	1298	2.27	13.5	13.0	MSEP306L2	--	160L-4	NO !	PAGE 120
108	1248	3.40	13.0	35.0	--	MSEP309R2	160L-4	OK	PAGE 140
109	1232	1.53	12.8	18.0	--	MSEP303R2	160L-4	OK	PAGE 100
109	1232	1.53	12.8	18.0	--	MSEP305R2	160L-4	OK	PAGE 110
111	1218	1.99	12.7	18.0	--	MSEP306R2	160L-4	OK	PAGE 120
111	1209	3.40	12.6	18.0	MSEP307L2	--	160L-4	OK	PAGE 130
111	1209	3.40	12.6	18.0	MSEP309L2	--	160L-4	OK	PAGE 140
113	1194	1.70	12.4	9.0	MSEP305L2	--	160L-4	NO !	PAGE 110
130	1035	1.99	10.8	18.0	--	MSEP303R2	160L-4	OK	PAGE 100
130	1035	1.99	10.8	18.0	--	MSEP305R2	160L-4	OK	PAGE 110

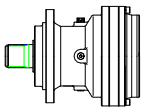
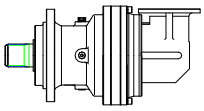
MSEP300 series gear motor

P1=15KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
130	1033	1.99	10.7	18.0	--	MSEP306R2	160L-4	OK	PAGE 120
148	907	1.99	9.4	18.0	--	MSEP306R2	160L-4	OK	PAGE 120
149	904	1.99	9.4	18.0	--	MSEP303R2	160L-4	OK	PAGE 100
149	904	1.99	9.4	18.0	--	MSEP305R2	160L-4	OK	PAGE 110
205	677	1.98	6.8	11.0	MSEP303L1	--	160L-4	NO !	PAGE 100
205	677	2.75	6.8	13.0	MSEP305L1	--	160L-4	NO !	PAGE 110
251	553	2.20	5.6	11.0	MSEP303L1	--	160L-4	NO !	PAGE 100
251	553	3.30	5.6	13.0	MSEP305L1	--	160L-4	NO !	PAGE 110
280	496	2.20	5.0	11.0	MSEP303L1	--	160L-4	NO !	PAGE 100
280	496	2.20	5.0	11.0	MSEP303L1	--	160L-4	NO !	PAGE 100
280	496	3.30	5.0	13.0	MSEP305L1	--	160L-4	NO !	PAGE 110
333	417	2.20	4.2	11.0	MSEP303L1	--	160L-4	NO !	PAGE 100
333	417	3.30	4.2	13.0	MSEP305L1	--	160L-4	NO !	PAGE 110
382	364	2.20	3.7	11.0	MSEP303L1	--	160L-4	NO !	PAGE 100
382	364	3.30	3.7	13.0	MSEP305L1	--	160L-4	NO !	PAGE 110

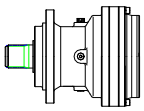
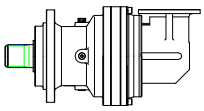
MSEP300 series gear motor

P1=18.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
1.2	130021	0.88	1171	18.0	MSEP316L4	--	180M-4	NO !	PAGE 190
1.4	108970	1.08	981	18.0	MSEP316L4	--	180M-4	NO !	PAGE 190
1.7	91817	1.23	827	18.0	MSEP316L4	--	180M-4	NO !	PAGE 190
1.8	85679	1.38	772	45.0	--	MSEP316R4	180M-4	OK	PAGE 190
2.0	78746	1.03	709	18.0	MSEP315L4	--	180M-4	NO !	PAGE 180
2.1	75028	1.47	676	18.0	MSEP316L4	--	180M-4	NO !	PAGE 190
2.2	72223	1.03	650	40.0	--	MSEP315R4	180M-4	OK	PAGE 180
2.2	72193	1.62	650	45.0	--	MSEP316R4	180M-4	OK	PAGE 190
2.2	70670	1.13	636	18.0	MSEP315L4	--	180M-4	NO !	PAGE 180
2.3	67333	1.67	606	18.0	MSEP316L4	--	180M-4	NO !	PAGE 190
2.6	60504	1.97	545	45.0	--	MSEP316R4	180M-4	OK	PAGE 190
2.6	60354	1.28	544	18.0	MSEP315L4	--	180M-4	NO !	PAGE 180
2.6	58930	1.13	531	40.0	--	MSEP315R4	180M-4	OK	PAGE 180
2.8	56431	1.97	508	18.0	MSEP316L4	--	180M-4	NO !	PAGE 190
3.0	52200	0.86	470	22.0	--	MSEP313R4	180M-4	OK	PAGE 170
3.0	51288	1.28	462	40.0	--	MSEP315R4	180M-4	OK	PAGE 180
3.0	51185	1.47	461	18.0	MSEP315L4	--	180M-4	NO !	PAGE 180
3.0	50980	2.21	459	45.0	--	MSEP316R4	180M-4	OK	PAGE 190
3.3	47402	2.31	427	18.0	MSEP316L4	--	180M-4	NO !	PAGE 190
3.5	43972	2.51	396	18.0	MSEP316L4	--	180M-4	NO !	PAGE 190
3.6	43215	1.57	389	40.0	--	MSEP315R4	180M-4	OK	PAGE 180
3.6	42995	1.72	387	18.0	MSEP315L4	--	180M-4	NO !	PAGE 180
3.6	42726	2.56	385	45.0	--	MSEP316R4	180M-4	OK	PAGE 190
3.6	42655	1.03	384	22.0	--	MSEP313R4	180M-4	OK	PAGE 170
4.1	38280	1.13	345	22.0	--	MSEP313R4	180M-4	OK	PAGE 170
4.2	37458	2.46	337	18.0	MSEP315L4	--	180M-4	NO !	PAGE 180
4.2	36937	2.95	333	18.0	MSEP316L4	--	180M-4	NO !	PAGE 190

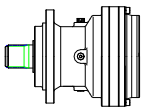
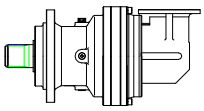
MSEP300 series gear motor

P1=18.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
4.3	36218	2.11	326	40.0	--	MSEP315R4	180M-4	OK	PAGE 180
4.4	34956	0.91	315	22.0	--	MSEP311R4	180M-4	OK	PAGE 160
4.6	34590	1.77	301	30.0	MSEP315L3	--	180M-4	OK	PAGE 180
4.7	33293	2.95	300	45.0	--	MSEP316R4	180M-4	OK	PAGE 190
4.8	32246	2.95	290	18.0	MSEP316L4	--	180M-4	NO !	PAGE 190
4.8	32082	1.33	289	22.0	--	MSEP313R4	180M-4	OK	PAGE 170
5.0	31371	1.01	283	22.0	--	MSEP311R4	180M-4	OK	PAGE 160
5.0	30932	2.46	279	40.0	--	MSEP315R4	180M-4	OK	PAGE 180
5.4	29644	1.47	258	18.0	MSEP313L3	--	180M-4	NO !	PAGE 170
5.5	29146	2.33	254	30.0	MSEP315L3	--	180M-4	OK	PAGE 180
5.8	26949	1.52	243	22.0	--	MSEP313R4	180M-4	OK	PAGE 170
5.9	26292	1.13	237	22.0	--	MSEP311R4	180M-4	OK	PAGE 160
5.9	26232	2.95	236	40.0	--	MSEP315R4	180M-4	OK	PAGE 180
6.2	25127	2.95	226	18.0	MSEP316L4	--	180M-4	NO !	PAGE 190
6.3	25610	1.05	223	18.0	MSEP311L3	--	180M-4	NO !	PAGE 160
6.4	25000	1.71	218	18.0	MSEP313L3	--	180M-4	NO !	PAGE 170
6.6	23527	1.72	212	22.0	--	MSEP313R4	180M-4	OK	PAGE 170
6.8	23781	2.77	207	30.0	MSEP315L3	--	180M-4	OK	PAGE 180
6.9	23404	2.77	204	30.0	MSEP316L3	--	180M-4	OK	PAGE 190
7.0	22085	1.28	199	22.0	--	MSEP311R4	180M-4	OK	PAGE 160
7.1	22035	3.44	198	40.0	--	MSEP315R4	180M-4	OK	PAGE 180
7.1	22648	0.90	197	18.0	MSEP310L3	--	180M-4	NO !	PAGE 150
7.4	21033	1.72	189	22.0	--	MSEP313R4	180M-4	OK	PAGE 170
7.4	21579	1.19	188	18.0	MSEP311L3	--	180M-4	NO !	PAGE 160
7.6	21065	1.90	183	18.0	MSEP313L3	--	180M-4	NO !	PAGE 170
7.8	20697	3.05	180	30.0	MSEP315L3	--	180M-4	OK	PAGE 180
8.1	19281	1.43	174	22.0	--	MSEP311R4	180M-4	OK	PAGE 160
8.2	19720	3.05	172	30.0	MSEP316L3	--	180M-4	OK	PAGE 190
8.5	18363	1.72	165	22.0	--	MSEP313R4	180M-4	OK	PAGE 170
8.7	18507	1.05	161	18.0	MSEP310L3	--	180M-4	NO !	PAGE 150
9.0	17209	1.57	155	22.0	--	MSEP311R4	180M-4	OK	PAGE 160
9.1	17633	1.33	154	18.0	MSEP311L3	--	180M-4	NO !	PAGE 160
9.3	17213	2.14	150	18.0	MSEP313L3	--	180M-4	NO !	PAGE 170
9.7	16609	1.14	145	18.0	MSEP310L3	--	180M-4	NO !	PAGE 150
9.8	16459	1.90	143	40.0	--	MSEP313R3	180M-4	OK	PAGE 170
10.2	15825	1.43	138	18.0	MSEP311L3	--	180M-4	NO !	PAGE 160
10.4	15448	2.38	135	18.0	MSEP313L3	--	180M-4	NO !	PAGE 170
10.9	14308	1.72	129	22.0	--	MSEP313R4	180M-4	OK	PAGE 170
11.3	14226	0.95	124	20.0	--	MSEP310R3	180M-4	OK	PAGE 150
11.3	14220	1.66	124	40.0	--	MSEP311R3	180M-4	OK	PAGE 160
11.3	14184	1.33	124	18.0	MSEP310L3	--	180M-4	NO !	PAGE 150
11.6	13881	2.14	121	40.0	--	MSEP313R3	180M-4	OK	PAGE 170
12.1	13262	1.66	116	18.0	MSEP311L3	--	180M-4	NO !	PAGE 160
12.4	12947	2.61	113	18.0	MSEP313L3	--	180M-4	NO !	PAGE 170
13.1	12242	1.09	107	11.0	MSEP309L3	--	180M-4	NO !	PAGE 140
13.4	12029	1.52	105	18.0	MSEP310L3	--	180M-4	NO !	PAGE 150
13.4	11981	1.90	104	40.0	--	MSEP311R3	180M-4	OK	PAGE 160
13.7	11696	2.38	102	40.0	--	MSEP313R3	180M-4	OK	PAGE 170
13.8	11607	1.14	101	20.0	--	MSEP310R3	180M-4	OK	PAGE 150
14.4	11140	1.81	97.0	18.0	MSEP311L3	--	180M-4	NO !	PAGE 160
14.8	10875	2.61	94.7	18.0	MSEP313L3	--	180M-4	NO !	PAGE 170

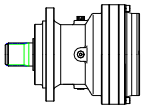
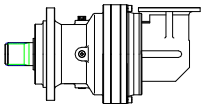
MSEP300 series gear motor

P1=18.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
15.9	10105	1.76	88.0	18.0	MSEP310L3	--	180M-4	NO !	PAGE 150
16.0	10042	2.14	87.5	40.0	--	MSEP311R3	180M-4	OK	PAGE 160
16.2	9913	1.28	86.3	20.0	--	MSEP310R3	180M-4	OK	PAGE 150
16.4	9803	2.85	85.4	40.0	--	MSEP313R3	180M-4	OK	PAGE 170
16.5	9726	2.00	84.7	18.0	MSEP311L3	--	180M-4	NO !	PAGE 160
16.9	9494	2.76	82.7	18.0	MSEP313L3	--	180M-4	NO !	PAGE 170
17.0	9431	0.95	82.1	11.0	MSEP307L3	--	180M-4	NO !	PAGE 130
17.0	9431	1.33	82.1	11.0	MSEP309L3	--	180M-4	NO !	PAGE 140
18.5	8681	2.19	75.6	18.0	MSEP311L3	--	180M-4	NO !	PAGE 160
18.7	8607	0.86	75.0	20.0	--	MSEP307R3	180M-4	OK	PAGE 130
18.9	8512	1.57	74.1	20.0	--	MSEP310R3	180M-4	OK	PAGE 150
18.9	8488	2.00	73.9	18.0	MSEP310L3	--	180M-4	NO !	PAGE 150
18.9	8488	2.85	73.9	18.0	MSEP313L3	--	180M-4	NO !	PAGE 170
20.5	7825	2.38	68.1	40.0	--	MSEP311R3	180M-4	OK	PAGE 160
20.8	7724	0.95	67.3	20.0	--	MSEP307R3	180M-4	OK	PAGE 130
21.0	7651	2.85	66.6	40.0	--	MSEP313R3	180M-4	OK	PAGE 170
21.2	7579	2.38	66.0	18.0	MSEP311L3	--	180M-4	NO !	PAGE 160
21.7	7410	3.09	64.5	18.0	MSEP313L3	--	180M-4	NO !	PAGE 170
22.1	7270	1.76	63.3	20.0	--	MSEP310R3	180M-4	OK	PAGE 150
22.4	7182	1.19	62.5	11.0	MSEP307L3	--	180M-4	NO !	PAGE 130
22.4	7182	1.57	62.5	11.0	MSEP309L3	--	180M-4	NO !	PAGE 140
24.7	6507	2.38	56.7	18.0	MSEP310L3	--	180M-4	NO !	PAGE 150
24.8	6473	1.05	56.4	20.0	--	MSEP307R3	180M-4	OK	PAGE 130
25.6	6270	1.33	54.6	11.0	MSEP307L3	--	180M-4	NO !	PAGE 130
25.6	6270	1.71	54.6	11.0	MSEP309L3	--	180M-4	NO !	PAGE 140
26.1	6165	1.95	53.7	20.0	--	MSEP310R3	180M-4	OK	PAGE 150
26.4	6097	2.85	53.1	40.0	--	MSEP311R3	180M-4	OK	PAGE 160
27.2	5905	2.85	51.4	18.0	MSEP311L3	--	180M-4	NO !	PAGE 160
27.6	5816	0.90	50.6	14.0	--	MSEP306R3	180M-4	NO !	PAGE 120
29.0	5735	2.47	48.3	22.0	MSEP310L2	--	180M-4	OK	PAGE 150
29.6	5438	1.19	47.4	20.0	--	MSEP307R3	180M-4	OK	PAGE 130
31.0	5179	2.14	45.1	20.0	--	MSEP310R3	180M-4	OK	PAGE 150
32.6	4932	1.09	43.0	14.0	--	MSEP306R3	180M-4	NO !	PAGE 120
32.9	4886	2.00	42.5	11.0	MSEP309L3	--	180M-4	NO !	PAGE 140
33.0	5039	1.47	42.5	18.0	MSEP307L2	--	180M-4	NO !	PAGE 130
33.0	5039	1.93	42.5	18.0	MSEP309L2	--	180M-4	NO !	PAGE 140
33.9	4747	1.05	41.3	20.0	--	MSEP309R3	180M-4	OK	PAGE 140
35.3	4548	2.14	39.6	20.0	--	MSEP310R3	180M-4	OK	PAGE 150
35.5	4679	2.95	39.4	22.0	MSEP310L2	--	180M-4	OK	PAGE 150
38.8	4143	1.28	36.1	14.0	--	MSEP306R3	180M-4	NO !	PAGE 120
39.1	4246	1.70	35.8	18.0	MSEP307L2	--	180M-4	NO !	PAGE 130
39.1	4246	2.62	35.8	18.0	MSEP309L2	--	180M-4	NO !	PAGE 140
43.5	3699	1.19	32.2	20.0	--	MSEP309R3	180M-4	OK	PAGE 140
43.5	3699	1.43	32.2	20.0	--	MSEP307R3	180M-4	OK	PAGE 130
47.9	3469	2.07	29.3	18.0	MSEP307L2	--	180M-4	NO !	PAGE 130
47.9	3469	2.76	29.3	18.0	MSEP309L2	--	180M-4	NO !	PAGE 140
50.6	3176	1.66	27.7	14.0	--	MSEP306R3	180M-4	NO !	PAGE 120
53.3	3114	2.30	26.3	18.0	MSEP307L2	--	180M-4	NO !	PAGE 130
53.3	3114	2.76	26.3	18.0	MSEP309L2	--	180M-4	NO !	PAGE 140
59.4	2798	1.93	23.6	35.0	--	MSEP307R2	180M-4	OK	PAGE 130
59.4	2798	2.07	23.6	35.0	--	MSEP309R2	180M-4	OK	PAGE 140

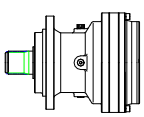
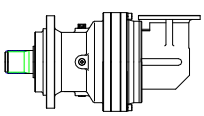
MSEP300 series gear motor

P1=18.5KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
63.6	2609	2.53	22.0	18.0	MSEP307L2	--	180M-4	NO !	PAGE 130
63.6	2609	2.76	22.0	18.0	MSEP309L2	--	180M-4	NO !	PAGE 140
70.4	2357	2.07	19.9	35.0	--	MSEP307R2	180M-4	OK	PAGE 130
70.4	2357	2.07	19.9	35.0	--	MSEP309R2	180M-4	OK	PAGE 140
75.8	2192	2.76	18.5	18.0	MSEP307L2	--	180M-4	NO !	PAGE 130
75.8	2192	2.76	18.5	18.0	MSEP309L2	--	180M-4	NO !	PAGE 140
77.0	2155	1.61	18.2	18.0	--	MSEP306R2	180M-4	NO !	PAGE 120
84.0	1976	2.30	16.7	35.0	--	MSEP307R2	180M-4	OK	PAGE 130
84.0	1976	2.30	16.7	35.0	--	MSEP309R2	180M-4	OK	PAGE 140
86.8	1914	2.76	16.1	18.0	MSEP307L2	--	180M-4	NO !	PAGE 130
86.8	1914	2.76	16.1	18.0	MSEP307L2	--	180M-4	NO !	PAGE 130
86.8	1914	2.76	16.1	18.0	MSEP309L2	--	180M-4	NO !	PAGE 140
94.4	1759	1.61	14.8	18.0	--	MSEP306R2	180M-4	NO !	PAGE 120
98.1	1693	0.87	14.3	18.0	--	MSEP303R2	180M-4	NO !	PAGE 100
98.1	1693	0.87	14.3	18.0	--	MSEP305R2	180M-4	NO !	PAGE 110
108	1540	2.76	13.0	35.0	--	MSEP307R2	180M-4	OK	PAGE 130
108	1540	2.76	13.0	35.0	--	MSEP307R2	180M-4	OK	PAGE 130
108	1540	2.76	13.0	35.0	--	MSEP307R2	180M-4	OK	PAGE 130
108	1540	2.76	13.0	35.0	--	MSEP307R2	180M-4	OK	PAGE 130
108	1540	2.76	13.0	35.0	--	MSEP309R2	180M-4	OK	PAGE 140
109	1520	1.24	12.8	18.0	--	MSEP303R2	180M-4	NO !	PAGE 100
109	1520	1.24	12.8	18.0	--	MSEP305R2	180M-4	NO !	PAGE 110
111	1502	1.61	12.7	18.0	--	MSEP306R2	180M-4	NO !	PAGE 120
111	1491	2.76	12.6	18.0	MSEP307L2	--	180M-4	NO !	PAGE 130
111	1491	2.76	12.6	18.0	MSEP309L2	--	180M-4	NO !	PAGE 140
130	1277	1.61	10.8	18.0	--	MSEP303R2	180M-4	NO !	PAGE 100
130	1277	1.61	10.8	18.0	--	MSEP305R2	180M-4	NO !	PAGE 110
130	1274	1.61	10.7	18.0	--	MSEP306R2	180M-4	NO !	PAGE 120
148	1119	1.61	9.4	18.0	--	MSEP306R2	180M-4	NO !	PAGE 120
149	1114	1.61	9.4	18.0	--	MSEP303R2	180M-4	NO !	PAGE 100
149	1114	1.61	9.4	18.0	--	MSEP305R2	180M-4	NO !	PAGE 110
197	868	3.12	7.1	18.0	MSEP306L1	--	180M-4	NO !	PAGE 120
205	835	2.23	6.8	13.0	MSEP305L1	--	180M-4	NO !	PAGE 110
251	682	2.67	5.6	13.0	MSEP305L1	--	180M-4	NO !	PAGE 110
280	612	2.67	5.0	13.0	MSEP305L1	--	180M-4	NO !	PAGE 110
333	514	2.67	4.2	13.0	MSEP305L1	--	180M-4	NO !	PAGE 110
382	449	2.67	3.7	13.0	MSEP305L1	--	180M-4	NO !	PAGE 110

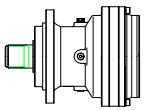
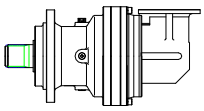
MSEP300 series gear motor

P1=22KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
1.8	101889	1.16	772	45.0	--	MSEP316R4	180L-4	OK	PAGE 190
2.2	85887	0.87	650	40.0	--	MSEP315R4	180L-4	OK	PAGE 180
2.2	85851	1.36	650	45.0	--	MSEP316R4	180L-4	OK	PAGE 190
2.2	84040	0.95	636	18.0	MSEP315L4	--	180L-4	NO !	PAGE 180
2.6	71951	1.65	545	45.0	--	MSEP316R4	180L-4	OK	PAGE 190

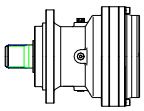
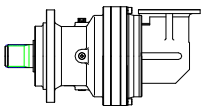
MSEP300 series gear motor

P1=22KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
2.6	71773	1.07	544	18.0	MSEP315L4	--	180L-4	NO !	PAGE 180
2.6	70078	0.95	531	40.0	--	MSEP315R4	180L-4	OK	PAGE 180
3.0	60991	1.07	462	40.0	--	MSEP315R4	180L-4	OK	PAGE 180
3.0	60868	1.24	461	18.0	MSEP315L4	--	180L-4	NO !	PAGE 180
3.0	60625	1.86	459	45.0	--	MSEP316R4	180L-4	OK	PAGE 190
3.6	51391	1.32	389	40.0	--	MSEP315R4	180L-4	OK	PAGE 180
3.6	51129	1.45	387	18.0	MSEP315L4	--	180L-4	NO !	PAGE 180
3.6	50810	2.15	385	45.0	--	MSEP316R4	180L-4	OK	PAGE 190
3.6	50725	0.87	384	22.0	--	MSEP313R4	180L-4	OK	PAGE 170
4.1	45522	0.95	345	22.0	--	MSEP313R4	180L-4	OK	PAGE 170
4.2	44545	2.07	337	18.0	MSEP315L4	--	180L-4	NO !	PAGE 180
4.3	43070	1.78	326	40.0	--	MSEP315R4	180L-4	OK	PAGE 180
4.6	41134	1.49	301	30.0	MSEP315L3	--	180L-4	OK	PAGE 180
4.7	39592	2.48	300	45.0	--	MSEP316R4	180L-4	OK	PAGE 190
4.8	38152	1.12	289	22.0	--	MSEP313R4	180L-4	OK	PAGE 170
5.0	37306	0.85	283	22.0	--	MSEP311R4	180L-4	OK	PAGE 160
5.0	36783	2.07	279	40.0	--	MSEP315R4	180L-4	OK	PAGE 180
5.4	35252	1.24	258	18.0	MSEP313L3	--	180L-4	NO !	PAGE 170
5.5	34660	1.96	254	30.0	MSEP315L3	--	180L-4	OK	PAGE 180
5.8	32048	1.28	243	22.0	--	MSEP313R4	180L-4	OK	PAGE 170
5.9	31266	0.95	237	22.0	--	MSEP311R4	180L-4	OK	PAGE 160
5.9	31195	2.48	236	40.0	--	MSEP315R4	180L-4	OK	PAGE 180
6.0	30851	3.10	234	45.0	--	MSEP316R4	180L-4	OK	PAGE 190
6.3	30455	0.88	223	18.0	MSEP311L3	--	180L-4	NO !	PAGE 160
6.4	29730	1.44	218	18.0	MSEP313L3	--	180L-4	NO !	PAGE 170
6.6	27978	1.45	212	22.0	--	MSEP313R4	180L-4	OK	PAGE 170
6.8	28280	2.33	207	30.0	MSEP315L3	--	180L-4	OK	PAGE 180
6.9	27831	2.33	204	30.0	MSEP316L3	--	180L-4	OK	PAGE 190
7.0	26263	1.07	199	22.0	--	MSEP311R4	180L-4	OK	PAGE 160
7.1	26204	2.89	198	40.0	--	MSEP315R4	180L-4	OK	PAGE 180
7.4	25013	1.45	189	22.0	--	MSEP313R4	180L-4	OK	PAGE 170
7.4	25661	1.00	188	18.0	MSEP311L3	--	180L-4	NO !	PAGE 160
7.6	25050	1.60	183	18.0	MSEP313L3	--	180L-4	NO !	PAGE 170
7.8	24613	2.56	180	30.0	MSEP315L3	--	180L-4	OK	PAGE 180
8.1	22928	1.20	174	22.0	--	MSEP311R4	180L-4	OK	PAGE 160
8.1	22829	3.31	173	40.0	--	MSEP315R4	180L-4	OK	PAGE 180
8.2	23451	2.56	172	30.0	MSEP316L3	--	180L-4	OK	PAGE 190
8.5	21837	1.45	165	22.0	--	MSEP313R4	180L-4	OK	PAGE 170
8.7	22008	0.88	161	18.0	MSEP310L3	--	180L-4	NO !	PAGE 150
9.0	20465	1.32	155	22.0	--	MSEP311R4	180L-4	OK	PAGE 160
9.1	20969	1.12	154	18.0	MSEP311L3	--	180L-4	NO !	PAGE 160
9.2	20739	3.03	152	30.0	MSEP315L3	--	180L-4	OK	PAGE 180
9.2	20048	3.31	152	40.0	--	MSEP315R4	180L-4	OK	PAGE 180
9.3	20470	1.80	150	18.0	MSEP313L3	--	180L-4	NO !	PAGE 170
9.7	19751	0.96	145	18.0	MSEP310L3	--	180L-4	NO !	PAGE 150
9.8	19573	1.60	143	40.0	--	MSEP313R3	180L-4	OK	PAGE 170
10.2	18818	1.20	138	18.0	MSEP311L3	--	180L-4	NO !	PAGE 160
10.4	18370	2.00	135	18.0	MSEP313L3	--	180L-4	NO !	PAGE 170
10.9	17015	1.45	129	22.0	--	MSEP313R4	180L-4	OK	PAGE 170
11.3	16989	3.50	124	75.0	--	MSEP315R3	180L-4	OK	PAGE 180
11.3	16910	1.40	124	40.0	--	MSEP311R3	180L-4	OK	PAGE 160

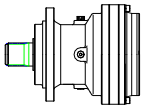
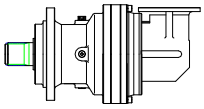
MSEP300 series gear motor

P1=22KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
11.3	16868	1.12	124	18.0	MSEP310L3	--	180L-4	NO !	PAGE 150
11.6	16507	1.80	121	40.0	--	MSEP313R3	180L-4	OK	PAGE 170
12.1	15772	1.40	116	18.0	MSEP311L3	--	180L-4	NO !	PAGE 160
12.4	15396	2.20	113	18.0	MSEP313L3	--	180L-4	NO !	PAGE 170
13.4	14305	1.28	105	18.0	MSEP310L3	--	180L-4	NO !	PAGE 150
13.4	14248	1.60	104	40.0	--	MSEP311R3	180L-4	OK	PAGE 160
13.7	13909	2.00	102	40.0	--	MSEP313R3	180L-4	OK	PAGE 170
14.4	13248	1.52	97.0	18.0	MSEP311L3	--	180L-4	NO !	PAGE 160
14.8	12933	2.20	94.7	18.0	MSEP313L3	--	180L-4	NO !	PAGE 170
15.9	12016	1.48	88.0	18.0	MSEP310L3	--	180L-4	NO !	PAGE 150
16.0	11941	1.80	87.5	40.0	--	MSEP311R3	180L-4	OK	PAGE 160
16.2	11788	1.08	86.3	20.0	--	MSEP310R3	180L-4	NO !	PAGE 150
16.4	11657	2.40	85.4	40.0	--	MSEP313R3	180L-4	OK	PAGE 170
16.5	11566	1.68	84.7	18.0	MSEP311L3	--	180L-4	NO !	PAGE 160
16.9	11290	2.32	82.7	18.0	MSEP313L3	--	180L-4	NO !	PAGE 170
17.0	11215	1.12	82.1	11.0	MSEP309L3	--	180L-4	NO !	PAGE 140
18.5	10323	1.84	75.6	18.0	MSEP311L3	--	180L-4	NO !	PAGE 160
18.9	10122	1.32	74.1	20.0	--	MSEP310R3	180L-4	NO !	PAGE 150
18.9	10094	1.68	73.9	18.0	MSEP310L3	--	180L-4	NO !	PAGE 150
18.9	10094	2.40	73.9	18.0	MSEP313L3	--	180L-4	NO !	PAGE 170
20.5	9305	2.00	68.1	40.0	--	MSEP311R3	180L-4	OK	PAGE 160
21.0	9098	2.40	66.6	40.0	--	MSEP313R3	180L-4	OK	PAGE 170
21.2	9012	2.00	66.0	18.0	MSEP311L3	--	180L-4	NO !	PAGE 160
21.7	8812	2.60	64.5	18.0	MSEP313L3	--	180L-4	NO !	PAGE 170
22.1	8645	1.48	63.3	20.0	--	MSEP310R3	180L-4	NO !	PAGE 150
22.4	8541	1.00	62.5	11.0	MSEP307L3	--	180L-4	NO !	PAGE 130
22.4	8541	1.32	62.5	11.0	MSEP309L3	--	180L-4	NO !	PAGE 140
24.7	7739	2.00	56.7	18.0	MSEP310L3	--	180L-4	NO !	PAGE 150
24.8	7698	0.88	56.4	20.0	--	MSEP307R3	180L-4	NO !	PAGE 130
25.6	7456	1.12	54.6	11.0	MSEP307L3	--	180L-4	NO !	PAGE 130
25.6	7456	1.44	54.6	11.0	MSEP309L3	--	180L-4	NO !	PAGE 140
26.1	7331	1.64	53.7	20.0	--	MSEP310R3	180L-4	NO !	PAGE 150
26.4	7251	2.40	53.1	40.0	--	MSEP311R3	180L-4	OK	PAGE 160
27.0	7089	2.80	51.9	40.0	--	MSEP313R3	180L-4	OK	PAGE 170
27.2	7023	2.40	51.4	18.0	MSEP311L3	--	180L-4	NO !	PAGE 160
27.8	6867	3.20	50.3	18.0	MSEP313L3	--	180L-4	NO !	PAGE 170
29.0	6819	2.08	48.3	22.0	MSEP310L2	--	180L-4	OK	PAGE 150
29.6	6466	1.00	47.4	20.0	--	MSEP307R3	180L-4	NO !	PAGE 130
31.0	6158	1.80	45.1	20.0	--	MSEP310R3	180L-4	NO !	PAGE 150
32.9	5810	1.68	42.5	11.0	MSEP309L3	--	180L-4	NO !	PAGE 140
33.0	5992	1.24	42.5	18.0	MSEP307L2	--	180L-4	NO !	PAGE 130
33.0	5992	1.62	42.5	18.0	MSEP309L2	--	180L-4	NO !	PAGE 140
35.3	5408	1.80	39.6	20.0	--	MSEP310R3	180L-4	NO !	PAGE 150
35.5	5564	2.48	39.4	22.0	MSEP310L2	--	180L-4	OK	PAGE 150
36.1	5476	3.61	38.8	25.0	MSEP311L2	--	180L-4	OK	PAGE 160
39.1	5049	1.43	35.8	18.0	MSEP307L2	--	180L-4	NO !	PAGE 130
39.1	5049	2.21	35.8	18.0	MSEP309L2	--	180L-4	NO !	PAGE 140
41.6	4752	2.93	33.7	22.0	MSEP310L2	--	180L-4	OK	PAGE 150
43.5	4399	1.00	32.2	20.0	--	MSEP309R3	180L-4	NO !	PAGE 140
43.5	4399	1.20	32.2	20.0	--	MSEP307R3	180L-4	NO !	PAGE 130
47.9	4126	1.74	29.3	18.0	MSEP307L2	--	180L-4	NO !	PAGE 130

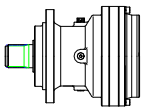
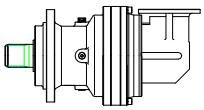
MSEP300 series gear motor

P1=22KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
47.9	4126	2.32	29.3	18.0	MSEP309L2	--	180L-4	NO !	PAGE 140
48.4	4080	3.16	28.9	22.0	MSEP310L2	--	180L-4	OK	PAGE 150
53.3	3703	1.93	26.3	18.0	MSEP307L2	--	180L-4	NO !	PAGE 130
53.3	3703	2.32	26.3	18.0	MSEP309L2	--	180L-4	NO !	PAGE 140
56.7	3485	3.38	24.7	22.0	MSEP310L2	--	180L-4	OK	PAGE 150
59.4	3327	1.62	23.6	35.0	--	MSEP307R2	180L-4	OK	PAGE 130
59.4	3327	1.74	23.6	35.0	--	MSEP309R2	180L-4	OK	PAGE 140
63.6	3103	2.13	22.0	18.0	MSEP307L2	--	180L-4	NO !	PAGE 130
63.6	3103	2.32	22.0	18.0	MSEP309L2	--	180L-4	NO !	PAGE 140
70.4	2803	1.74	19.9	35.0	--	MSEP307R2	180L-4	OK	PAGE 130
70.4	2803	1.74	19.9	35.0	--	MSEP309R2	180L-4	OK	PAGE 140
75.8	2607	2.32	18.5	18.0	MSEP307L2	--	180L-4	NO !	PAGE 130
75.8	2607	2.32	18.5	18.0	MSEP309L2	--	180L-4	NO !	PAGE 140
84.0	2350	1.93	16.7	35.0	--	MSEP307R2	180L-4	OK	PAGE 130
84.0	2350	1.93	16.7	35.0	--	MSEP309R2	180L-4	OK	PAGE 140
86.8	2276	2.32	16.1	18.0	MSEP307L2	--	180L-4	NO !	PAGE 130
86.8	2276	2.32	16.1	18.0	MSEP307L2	--	180L-4	NO !	PAGE 130
86.8	2276	2.32	16.1	18.0	MSEP309L2	--	180L-4	NO !	PAGE 140
108	1831	2.32	13.0	35.0	--	MSEP307R2	180L-4	OK	PAGE 130
108	1831	2.32	13.0	35.0	--	MSEP307R2	180L-4	OK	PAGE 130
108	1831	2.32	13.0	35.0	--	MSEP307R2	180L-4	OK	PAGE 130
108	1831	2.32	13.0	35.0	--	MSEP307R2	180L-4	OK	PAGE 130
108	1831	2.32	13.0	35.0	--	MSEP309R2	180L-4	OK	PAGE 140
111	1773	2.32	12.6	18.0	MSEP307L2	--	180L-4	NO !	PAGE 130
111	1773	2.32	12.6	18.0	MSEP309L2	--	180L-4	NO !	PAGE 140
197	1032	2.62	7.1	18.0	MSEP306L1	--	180L-4	NO !	PAGE 120
242	842	3.28	5.8	18.0	MSEP306L1	--	180L-4	NO !	PAGE 120
283	719	3.28	4.9	18.0	MSEP306L1	--	180L-4	NO !	PAGE 120
334	610	3.28	4.2	18.0	MSEP306L1	--	180L-4	NO !	PAGE 120
380	536	3.28	3.7	18.0	MSEP306L1	--	180L-4	NO !	PAGE 120

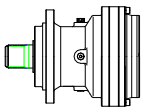
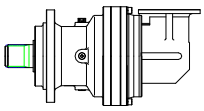
MSEP300 series gear motor

P1=30KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
1.8	138939	0.85	772	45.0	--	MSEP316R4	200L-4	OK	PAGE 190
2.2	117069	1.00	650	45.0	--	MSEP316R4	200L-4	OK	PAGE 190
2.6	98115	1.21	545	45.0	--	MSEP316R4	200L-4	OK	PAGE 190
3.0	82671	1.36	459	45.0	--	MSEP316R4	200L-4	OK	PAGE 190
3.6	70078	0.97	389	40.0	--	MSEP315R4	200L-4	OK	PAGE 180
3.6	69286	1.58	385	45.0	--	MSEP316R4	200L-4	OK	PAGE 190
4.3	58732	1.30	326	40.0	--	MSEP315R4	200L-4	OK	PAGE 180
4.6	56092	1.09	301	30.0	MSEP315L3	--	200L-4	OK	PAGE 180
4.7	53989	1.82	300	45.0	--	MSEP316R4	200L-4	OK	PAGE 190
5.0	50159	1.52	279	40.0	--	MSEP315R4	200L-4	OK	PAGE 180
5.5	47263	1.44	254	30.0	MSEP315L3	--	200L-4	OK	PAGE 180
5.9	42539	1.82	236	40.0	--	MSEP315R4	200L-4	OK	PAGE 180

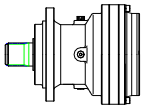
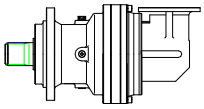
MSEP300 series gear motor

P1=30KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
6.0	42069	2.27	234	45.0	--	MSEP316R4	200L-4	OK	PAGE 190
6.8	38564	1.71	207	30.0	MSEP315L3	--	200L-4	OK	PAGE 180
6.9	37952	1.71	204	30.0	MSEP316L3	--	200L-4	OK	PAGE 190
7.1	35732	2.12	198	40.0	--	MSEP315R4	200L-4	OK	PAGE 180
7.8	33563	1.88	180	30.0	MSEP315L3	--	200L-4	OK	PAGE 180
8.1	31131	2.42	173	40.0	--	MSEP315R4	200L-4	OK	PAGE 180
8.2	31978	1.88	172	30.0	MSEP316L3	--	200L-4	OK	PAGE 190
9.2	28280	2.22	152	30.0	MSEP315L3	--	200L-4	OK	PAGE 180
9.2	27338	2.42	152	40.0	--	MSEP315R4	200L-4	OK	PAGE 180
9.7	26801	3.08	144	30.0	MSEP316L3	--	200L-4	OK	PAGE 190
9.8	26691	1.17	143	40.0	--	MSEP313R3	200L-4	OK	PAGE 170
11.0	23701	2.74	127	30.0	MSEP315L3	--	200L-4	OK	PAGE 180
11.3	23166	2.56	124	75.0	--	MSEP315R3	200L-4	OK	PAGE 180
11.3	23059	1.03	124	40.0	--	MSEP311R3	200L-4	OK	PAGE 160
11.5	22582	3.42	121	30.0	MSEP316L3	--	200L-4	OK	PAGE 190
11.6	22510	1.32	121	40.0	--	MSEP313R3	200L-4	OK	PAGE 170
12.9	20242	3.08	109	30.0	MSEP315L3	--	200L-4	OK	PAGE 180
13.4	19520	3.08	105	75.0	--	MSEP315R3	200L-4	OK	PAGE 180
13.4	19429	1.17	104	40.0	--	MSEP311R3	200L-4	OK	PAGE 160
13.7	18967	1.47	102	40.0	--	MSEP313R3	200L-4	OK	PAGE 170
13.8	18926	3.42	102	30.0	MSEP316L3	--	200L-4	OK	PAGE 190
15.2	17166	3.42	92.2	30.0	MSEP315L3	--	200L-4	OK	PAGE 180
16.0	16284	1.32	87.5	40.0	--	MSEP311R3	200L-4	OK	PAGE 160
16.4	15896	1.76	85.4	40.0	--	MSEP313R3	200L-4	OK	PAGE 170
17.7	14747	3.42	79	30.0	MSEP316L3	--	200L-4	OK	PAGE 190
18.1	14420	3.42	77.4	30.0	MSEP315L3	--	200L-4	OK	PAGE 180
20.5	12689	1.47	68.1	40.0	--	MSEP311R3	200L-4	OK	PAGE 160
20.8	12563	3.42	67.5	30.0	MSEP315L3	--	200L-4	OK	PAGE 180
21.0	12407	1.76	66.6	40.0	--	MSEP313R3	200L-4	OK	PAGE 170
22.7	11492	3.42	62	30.0	MSEP316L3	--	200L-4	OK	PAGE 190
23.6	11032	3.42	59.2	30.0	MSEP315L3	--	200L-4	OK	PAGE 180
26.4	9887	1.76	53.1	40.0	--	MSEP311R3	200L-4	OK	PAGE 160
27.0	9667	2.05	51.9	40.0	--	MSEP313R3	200L-4	OK	PAGE 170
29.0	9299	1.52	48.3	22.0	MSEP310L2	--	200L-4	NO !	PAGE 150
33.0	8171	0.91	42.5	18.0	MSEP307L2	--	200L-4	NO !	PAGE 130
33.0	8171	1.19	42.5	18.0	MSEP309L2	--	200L-4	NO !	PAGE 140
35.5	7588	1.82	39.4	22.0	MSEP310L2	--	200L-4	NO !	PAGE 150
36.1	7467	2.65	38.8	25.0	MSEP311L2	--	200L-4	NO !	PAGE 160
39.1	6885	1.05	35.8	18.0	MSEP307L2	--	200L-4	NO !	PAGE 130
39.1	6885	1.62	35.8	18.0	MSEP309L2	--	200L-4	NO !	PAGE 140
41.6	6480	2.15	33.7	22.0	MSEP310L2	--	200L-4	NO !	PAGE 150
42.8	6292	2.98	32.7	25.0	MSEP311L2	--	200L-4	NO !	PAGE 160
43.5	5998	0.88	32.2	20.0	--	MSEP307R3	200L-4	NO !	PAGE 130
47.9	5626	1.28	29.3	18.0	MSEP307L2	--	200L-4	NO !	PAGE 130
47.9	5626	1.70	29.3	18.0	MSEP309L2	--	200L-4	NO !	PAGE 140
48.4	5564	2.32	28.9	22.0	MSEP310L2	--	200L-4	NO !	PAGE 150
50.8	5301	3.31	27.6	25.0	MSEP311L2	--	200L-4	NO !	PAGE 160
53.3	5049	1.42	26.3	18.0	MSEP307L2	--	200L-4	NO !	PAGE 130
53.3	5049	1.70	26.3	18.0	MSEP309L2	--	200L-4	NO !	PAGE 140
56.7	4752	2.48	24.7	22.0	MSEP310L2	--	200L-4	NO !	PAGE 150
59.4	4537	1.19	23.6	35.0	--	MSEP307R2	200L-4	OK	PAGE 130

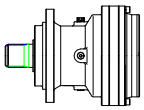
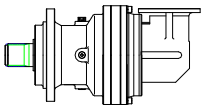
MSEP300 series gear motor

P1=30KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
59.4	4537	1.28	23.6	35.0	--	MSEP309R2	200L-4	OK	PAGE 140
60.6	4443	3.31	23.1	25.0	MSEP311L2	--	200L-4	NO !	PAGE 160
63.6	4232	1.56	22.0	18.0	MSEP307L2	--	200L-4	NO !	PAGE 130
63.6	4232	1.70	22.0	18.0	MSEP309L2	--	200L-4	NO !	PAGE 140
66.8	4030	2.65	21.0	22.0	MSEP310L2	--	200L-4	NO !	PAGE 150
70.4	3823	1.28	19.9	35.0	--	MSEP307R2	200L-4	OK	PAGE 130
70.4	3823	1.28	19.9	35.0	--	MSEP309R2	200L-4	OK	PAGE 140
75.8	3555	1.70	18.5	18.0	MSEP307L2	--	200L-4	NO !	PAGE 130
75.8	3555	1.70	18.5	18.0	MSEP309L2	--	200L-4	NO !	PAGE 140
77.8	3462	3.31	18.0	25.0	MSEP311L2	--	200L-4	NO !	PAGE 160
79.5	3385	2.98	17.6	22.0	MSEP310L2	--	200L-4	NO !	PAGE 150
84.0	3204	1.42	16.7	35.0	--	MSEP307R2	200L-4	OK	PAGE 130
84.0	3204	1.42	16.7	35.0	--	MSEP309R2	200L-4	OK	PAGE 140
86.8	3103	1.70	16.1	18.0	MSEP307L2	--	200L-4	NO !	PAGE 130
86.8	3103	1.70	16.1	18.0	MSEP307L2	--	200L-4	NO !	PAGE 130
86.8	3103	1.70	16.1	18.0	MSEP309L2	--	200L-4	NO !	PAGE 140
99.8	2698	3.31	14.0	25.0	MSEP311L2	--	200L-4	NO !	PAGE 160
108	2497	1.70	13.0	35.0	--	MSEP307R2	200L-4	OK	PAGE 130
108	2497	1.70	13.0	35.0	--	MSEP307R2	200L-4	OK	PAGE 130
108	2497	1.70	13.0	35.0	--	MSEP307R2	200L-4	OK	PAGE 130
108	2497	1.70	13.0	35.0	--	MSEP307R2	200L-4	OK	PAGE 130
108	2497	1.70	13.0	35.0	--	MSEP309R2	200L-4	OK	PAGE 140
111	2418	1.70	12.6	18.0	MSEP307L2	--	200L-4	NO !	PAGE 130
111	2418	1.70	12.6	18.0	MSEP309L2	--	200L-4	NO !	PAGE 140
225	1237	3.21	6.2	22.0	MSEP307L1	--	200L-4	NO !	PAGE 130
267	1042	3.21	5.3	22.0	MSEP307L1	--	200L-4	NO !	PAGE 130
318	873	3.21	4.4	22.0	MSEP307L1	--	200L-4	NO !	PAGE 130
408	681	3.21	3.4	22.0	MSEP307L1	--	200L-4	NO !	PAGE 130

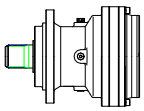
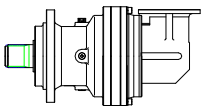
MSEP300 series gear motor

P1=37KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
2.6	121008	0.98	545	45.0	--	MSEP316R4	225S-4	OK	PAGE 190
3.0	101961	1.11	459	45.0	--	MSEP316R4	225S-4	OK	PAGE 190
3.6	85453	1.28	385	45.0	--	MSEP316R4	225S-4	OK	PAGE 190
4.3	72437	1.06	326	40.0	--	MSEP315R4	225S-4	OK	PAGE 180
4.6	69181	0.89	301	30.0	MSEP315L3	--	225S-4	NO !	PAGE 180
4.7	66587	1.47	300	45.0	--	MSEP316R4	225S-4	OK	PAGE 190
5.0	61863	1.23	279	40.0	--	MSEP315R4	225S-4	OK	PAGE 180
5.5	58291	1.16	254	30.0	MSEP315L3	--	225S-4	NO !	PAGE 180
5.9	52464	1.47	236	40.0	--	MSEP315R4	225S-4	OK	PAGE 180
6.0	51886	1.84	234	45.0	--	MSEP316R4	225S-4	OK	PAGE 190
6.8	47562	1.39	207	30.0	MSEP315L3	--	225S-4	NO !	PAGE 180
6.9	46808	1.39	204	30.0	MSEP316L3	--	225S-4	NO !	PAGE 190
7.1	44070	1.72	198	40.0	--	MSEP315R4	225S-4	OK	PAGE 180
7.8	41394	1.52	180	30.0	MSEP315L3	--	225S-4	NO !	PAGE 180

MSEP300 series gear motor

P1=37KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
8.1	38394	1.97	173	40.0	--	MSEP315R4	225S-4	OK	PAGE 180
8.2	39440	1.52	172	30.0	MSEP316L3	--	225S-4	NO !	PAGE 190
9.2	34879	1.80	152	30.0	MSEP315L3	--	225S-4	NO !	PAGE 180
9.2	33717	1.97	152	40.0	--	MSEP315R4	225S-4	OK	PAGE 180
9.7	33054	2.49	144	30.0	MSEP316L3	--	225S-4	NO !	PAGE 190
9.8	32919	0.95	143	40.0	--	MSEP313R3	225S-4	OK	PAGE 170
11.0	29232	2.22	127	30.0	MSEP315L3	--	225S-4	NO !	PAGE 180
11.3	28572	2.08	124	75.0	--	MSEP315R3	225S-4	OK	PAGE 180
11.5	27851	2.77	121	30.0	MSEP316L3	--	225S-4	NO !	PAGE 190
11.6	27762	1.07	121	40.0	--	MSEP313R3	225S-4	OK	PAGE 170
12.9	24965	2.49	109	30.0	MSEP315L3	--	225S-4	NO !	PAGE 180
13.4	24074	2.49	105	75.0	--	MSEP315R3	225S-4	OK	PAGE 180
13.4	23963	0.95	104	40.0	--	MSEP311R3	225S-4	OK	PAGE 160
13.7	23392	1.19	102	40.0	--	MSEP313R3	225S-4	OK	PAGE 170
13.8	23342	2.77	102	30.0	MSEP316L3	--	225S-4	NO !	PAGE 190
15.2	21172	2.77	92.2	30.0	MSEP315L3	--	225S-4	NO !	PAGE 180
15.3	20953	2.77	91.2	75.0	--	MSEP315R3	225S-4	OK	PAGE 180
16.0	20083	1.07	87.5	40.0	--	MSEP311R3	225S-4	OK	PAGE 160
16.4	19605	1.43	85.4	40.0	--	MSEP313R3	225S-4	OK	PAGE 170
17.7	18189	2.77	79	30.0	MSEP316L3	--	225S-4	NO !	PAGE 190
18.1	17784	2.77	77.4	30.0	MSEP315L3	--	225S-4	NO !	PAGE 180
20.5	15649	1.19	68.1	40.0	--	MSEP311R3	225S-4	OK	PAGE 160
20.8	15494	2.77	67.5	30.0	MSEP315L3	--	225S-4	NO !	PAGE 180
21.0	15301	1.43	66.6	40.0	--	MSEP313R3	225S-4	OK	PAGE 170
22.7	14173	2.77	62	30.0	MSEP316L3	--	225S-4	NO !	PAGE 190
23.6	13607	2.77	59.2	30.0	MSEP315L3	--	225S-4	NO !	PAGE 180
26.4	12194	1.43	53.1	40.0	--	MSEP311R3	225S-4	OK	PAGE 160
26.6	12106	2.77	53	90.0	--	MSEP316R3	225S-4	OK	PAGE 190
27.0	11923	1.66	51.9	40.0	--	MSEP313R3	225S-4	OK	PAGE 170
37.0	8982	2.95	37.9	30.0	MSEP313L2	--	225S-4	NO !	PAGE 170
43.8	7575	3.22	31.9	30.0	MSEP313L2	--	225S-4	NO !	PAGE 170
52.0	6383	3.49	26.9	30.0	MSEP313L2	--	225S-4	NO !	PAGE 170
59.4	5596	0.97	23.6	35.0	--	MSEP307R2	225S-4	NO !	PAGE 130
62.1	5349	3.49	22.6	30.0	MSEP313L2	--	225S-4	NO !	PAGE 170
70.1	4737	3.49	20.0	55.0	--	MSEP310R2	225S-4	OK	PAGE 150
70.4	4715	1.04	19.9	35.0	--	MSEP307R2	225S-4	NO !	PAGE 130
70.4	4715	1.04	19.9	35.0	--	MSEP309R2	225S-4	NO !	PAGE 140
79.5	4175	3.49	17.6	30.0	MSEP313L2	--	225S-4	NO !	PAGE 170
84.0	3951	1.15	16.7	35.0	--	MSEP307R2	225S-4	NO !	PAGE 130
84.0	3951	1.15	16.7	35.0	--	MSEP309R2	225S-4	NO !	PAGE 140
95.6	3474	3.49	14.6	55.0	--	MSEP310R2	225S-4	OK	PAGE 150
102	3253	3.49	13.7	30.0	MSEP313L2	--	225S-4	NO !	PAGE 170
108	3079	1.38	13.0	35.0	--	MSEP307R2	225S-4	NO !	PAGE 130
108	3079	1.38	13.0	35.0	--	MSEP307R2	225S-4	NO !	PAGE 130
108	3079	1.38	13.0	35.0	--	MSEP307R2	225S-4	NO !	PAGE 130
108	3079	1.38	13.0	35.0	--	MSEP307R2	225S-4	NO !	PAGE 130
108	3079	1.38	13.0	35.0	--	MSEP309R2	225S-4	NO !	PAGE 140
114	2918	3.49	12.3	55.0	--	MSEP310R2	225S-4	OK	PAGE 150
225	1525	3.38	6.2	25.0	MSEP309L1	--	225S-4	NO !	PAGE 140
267	1285	3.38	5.3	25.0	MSEP309L1	--	225S-4	NO !	PAGE 140
318	1077	3.38	4.4	25.0	MSEP309L1	--	225S-4	NO !	PAGE 140

MSEP300 series gear motor

P1=45KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
3.0	124006	0.91	459	45.0	--	MSEP316R4	225M-4	OK	PAGE 190
3.6	103929	1.05	385	45.0	--	MSEP316R4	225M-4	OK	PAGE 190
4.7	80984	1.21	300	45.0	--	MSEP316R4	225M-4	OK	PAGE 190
5.9	63808	1.21	236	40.0	--	MSEP315R4	225M-4	NO !	PAGE 180
6.0	63104	1.52	234	45.0	--	MSEP316R4	225M-4	OK	PAGE 190
7.1	53599	1.41	198	40.0	--	MSEP315R4	225M-4	NO !	PAGE 180
8.1	46696	1.62	173	40.0	--	MSEP315R4	225M-4	NO !	PAGE 180
9.2	41007	1.62	152	40.0	--	MSEP315R4	225M-4	NO !	PAGE 180
11.3	34750	1.71	124	75.0	--	MSEP315R3	225M-4	OK	PAGE 180
11.6	33765	0.88	121	40.0	--	MSEP313R3	225M-4	NO !	PAGE 170
13.4	29280	2.05	105	75.0	--	MSEP315R3	225M-4	OK	PAGE 180
13.7	28450	0.98	102	40.0	--	MSEP313R3	225M-4	NO !	PAGE 170
14.6	26757	2.96	96	90.0	--	MSEP316R3	225M-4	OK	PAGE 190
15.3	25483	2.28	91.2	75.0	--	MSEP315R3	225M-4	OK	PAGE 180
16.4	23844	1.17	85.4	40.0	--	MSEP313R3	225M-4	NO !	PAGE 170
17.3	22545	3.42	81	90.0	--	MSEP316R3	225M-4	OK	PAGE 190
18.2	21472	2.85	76.9	75.0	--	MSEP315R3	225M-4	OK	PAGE 180
20.7	18895	3.42	68	90.0	--	MSEP316R3	225M-4	OK	PAGE 190
21.0	18610	1.17	66.6	40.0	--	MSEP313R3	225M-4	NO !	PAGE 170
21.7	17995	3.42	64.4	75.0	--	MSEP315R3	225M-4	OK	PAGE 180
25.9	15116	3.42	54.1	75.0	--	MSEP315R3	225M-4	OK	PAGE 180
26.4	14831	1.17	53.1	40.0	--	MSEP311R3	225M-4	NO !	PAGE 160
26.6	14724	2.28	53	90.0	--	MSEP316R3	225M-4	OK	PAGE 190
27.0	14501	1.37	51.9	40.0	--	MSEP313R3	225M-4	NO !	PAGE 170
29.7	13169	3.42	47.2	75.0	--	MSEP315R3	225M-4	OK	PAGE 180
70.1	5761	2.87	20.0	55.0	--	MSEP310R2	225M-4	OK	PAGE 150
73.5	5492	3.31	19.0	75.0	--	MSEP313R2	225M-4	OK	PAGE 170
76.7	5265	3.31	18.2	75.0	--	MSEP311R2	225M-4	OK	PAGE 160
83.7	4828	3.31	16.7	75.0	--	MSEP313R2	225M-4	OK	PAGE 170
91.1	4436	3.31	15.4	75.0	--	MSEP311R2	225M-4	OK	PAGE 160
95.6	4225	2.87	14.6	55.0	--	MSEP310R2	225M-4	OK	PAGE 150
114	3549	2.87	12.3	55.0	--	MSEP310R2	225M-4	OK	PAGE 150
117	3457	3.31	12.0	75.0	--	MSEP311R2	225M-4	OK	PAGE 160
120	3380	3.31	11.7	75.0	--	MSEP313R2	225M-4	OK	PAGE 170

P1=55KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
11.3	42472	1.40	124	75.0	--	MSEP315R3	250M-4	OK	PAGE 180
13.4	35786	1.68	105	75.0	--	MSEP315R3	250M-4	OK	PAGE 180
14.6	32703	2.42	96	90.0	--	MSEP316R3	250M-4	OK	PAGE 190
15.3	31146	1.86	91.2	75.0	--	MSEP315R3	250M-4	OK	PAGE 180
17.3	27556	2.80	81	90.0	--	MSEP316R3	250M-4	OK	PAGE 190
18.2	26243	2.33	76.9	75.0	--	MSEP315R3	250M-4	OK	PAGE 180
20.7	23094	2.80	68	90.0	--	MSEP316R3	250M-4	OK	PAGE 190
21.7	21994	2.80	64.4	75.0	--	MSEP315R3	250M-4	OK	PAGE 180
25.9	18475	2.80	54.1	75.0	--	MSEP315R3	250M-4	OK	PAGE 180

MSEP300 series gear motor

P1=55KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
26.6	17995	1.86	53	90.0	--	MSEP316R3	250M-4	OK	PAGE 190
29.7	16096	2.80	47.2	75.0	--	MSEP315R3	250M-4	OK	PAGE 180
70.1	7041	2.35	20.0	55.0	--	MSEP310R2	250M-4	OK	PAGE 150
73.5	6713	2.71	19.0	75.0	--	MSEP313R2	250M-4	OK	PAGE 170
76.7	6435	2.71	18.2	75.0	--	MSEP311R2	250M-4	OK	PAGE 160
83.7	5901	2.71	16.7	75.0	--	MSEP313R2	250M-4	OK	PAGE 170
91.1	5422	2.71	15.4	75.0	--	MSEP311R2	250M-4	OK	PAGE 160
95.6	5164	2.35	14.6	55.0	--	MSEP310R2	250M-4	OK	PAGE 150
114	4337	2.35	12.3	55.0	--	MSEP310R2	250M-4	OK	PAGE 150
117	4225	2.71	12.0	75.0	--	MSEP311R2	250M-4	OK	PAGE 160
120	4131	2.71	11.7	75.0	--	MSEP313R2	250M-4	OK	PAGE 170

MSEP300 series gear motor

P1=75KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
11.3	57916	1.03	124	75.0	--	MSEP315R3	280S-4	OK	PAGE 180
13.4	48800	1.23	105	75.0	--	MSEP315R3	280S-4	OK	PAGE 180
14.6	44595	1.78	96	90.0	--	MSEP316R3	280S-4	OK	PAGE 190
15.3	42472	1.37	91.2	75.0	--	MSEP315R3	280S-4	OK	PAGE 180
17.3	37576	2.05	81	90.0	--	MSEP316R3	280S-4	OK	PAGE 190
18.2	35786	1.71	76.9	75.0	--	MSEP315R3	280S-4	OK	PAGE 180
20.7	31492	2.05	68	90.0	--	MSEP316R3	280S-4	OK	PAGE 190
21.7	29992	2.05	64.4	75.0	--	MSEP315R3	280S-4	OK	PAGE 180
25.9	25194	2.05	54.1	75.0	--	MSEP315R3	280S-4	OK	PAGE 180
26.6	24539	1.37	53	90.0	--	MSEP316R3	280S-4	OK	PAGE 190
29.7	21949	2.05	47.2	75.0	--	MSEP315R3	280S-4	OK	PAGE 180
73.5	9154	1.99	19.0	75.0	--	MSEP313R2	280S-4	OK	PAGE 170
76.7	8774	1.99	18.2	75.0	--	MSEP311R2	280S-4	OK	PAGE 160
83.7	8047	1.99	16.7	75.0	--	MSEP313R2	280S-4	OK	PAGE 170
91.1	7393	1.99	15.4	75.0	--	MSEP311R2	280S-4	OK	PAGE 160
117	5761	1.99	12.0	75.0	--	MSEP311R2	280S-4	OK	PAGE 160
120	5633	1.99	11.7	75.0	--	MSEP313R2	280S-4	OK	PAGE 170

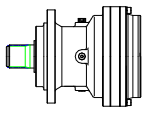
MSEP300 series gear motor

P1=90KW n1=1400 min^{-1}

n_2 (min^{-1})	M_2 (N.m)	S	I 1:	P_t (KW)			IEC Motor type	Check Thermal Power Pt >= P1	Dimension Page Number
14.6	53514	1.48	96	90.0	--	MSEP316R3	280M-4	OK	PAGE 190
17.3	45091	1.71	81	90.0	--	MSEP316R3	280M-4	OK	PAGE 190
20.7	37790	1.71	68	90.0	--	MSEP316R3	280M-4	OK	PAGE 190
26.6	29447	1.14	53	90.0	--	MSEP316R3	280M-4	OK	PAGE 190
73.5	10984	1.65	19.0	75.0	--	MSEP313R2	280M-4	NO !	PAGE 170
83.7	9656	1.65	16.7	75.0	--	MSEP313R2	280M-4	NO !	PAGE 170
120	6760	1.65	11.7	75.0	--	MSEP313R2	280M-4	NO !	PAGE 170

MSEP300L

M2'=1000N.m

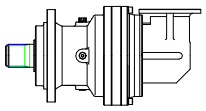


	I	Mn_2 (N.m)						P_1	P_t(KW)	n_1	n_{1max}	M_b	Brake
		n_2.h	n_2.h	n_2.h	n_2.h	n_2.h	n_2.h		(ta=20℃)				type
	1:	10000	25000	50000	100000	500000	1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
L1	3.4	1 000	1 000	890	850	760	610	20	7.5	1 750	3 500	400	4K
	4.4	1 000	1 000	890	850	760	610	20	7.5	1 750	3 500	330	4H
	5.8	860	730	650	650	650	580	15	7.5	1 750	3 500	260	4F
	7.2	700	600	550	550	550	510	11	7.5	1 750	3 500	160	4D
L2	11.5	1 000	1 000	890	850	760	610	9	7.5	1 750	3 500	100	4B
	15	1 000	1 000	890	850	760	610	7.5	7.5	1 750	3 500	100	4B
	19.8	1 000	1 000	890	850	760	610	6.2	7.5	1 750	3 500	100	4B
	25.6	1 000	1 000	890	850	760	610	5	7.5	1 750	3 500	100	4B
	32	1 000	1 000	890	850	760	610	4.1	7.5	1 750	3 500	50	4A
	41.5	860	730	650	650	650	580	2.8	7.5	1 750	3 500	50	4A
	51.8	700	600	550	550	550	510	1.9	7.5	1 750	3 500	50	4A
L3	38.8	1 000	1 000	890	850	760	610	3.5	7.5	1 750	3 500	50	4A
	50.9	1 000	1 000	890	850	760	610	2.8	7.5	1 750	3 500	50	4A
	66.1	1 000	1 000	890	850	760	610	2.2	7.5	1 750	3 500	50	4A
	87.8	1 000	1 000	890	850	760	610	1.7	7.5	1 750	3 500	50	4A
	108	1 000	1 000	890	850	760	610	1.4	7.5	1 750	3 500	50	4A
	114	1 000	1 000	890	850	760	610	1.3	7.5	1 750	3 500	50	4A
	142	1 000	1 000	890	850	760	610	1.1	7.5	1 750	3 500	50	4A
	185	1 000	1 000	890	850	760	610	0.85	7.5	1 750	3 500	50	4A
	230	1 000	1 000	890	850	760	610	0.7	7.5	1 750	3 500	50	4A
	299	860	730	650	650	650	580	0.38	7.5	1 750	3 500	50	4A
	373	700	600	550	550	550	510	0.27	7.5	1 750	3 500	50	4A
L4	297	1 000	1 000	890	850	760	610	0.54	6.0	1 750	3 500	50	4A
	386	1 000	1 000	890	850	760	610	0.42	6.0	1 750	3 500	50	4A
	476	1 000	1 000	890	850	760	610	0.35	6.0	1 750	3 500	50	4A
	501	1 000	1 000	890	850	760	610	0.33	6.0	1 750	3 500	50	4A
	625	1 000	1 000	890	850	760	610	0.27	6.0	1 750	3 500	50	4A
	650	1 000	1 000	890	850	760	610	0.26	6.0	1 750	3 500	50	4A
	780	1 000	1 000	890	850	760	610	0.23	6.0	1 750	3 500	50	4A
	853	1 000	1 000	890	850	760	610	0.21	6.0	1 750	3 500	50	4A
	1024	1 000	1 000	890	850	760	610	0.17	6.0	1 750	3 500	50	4A
	1108	860	730	650	650	650	580	0.12	6.0	1 750	3 500	50	4A
	1329	1 000	1 000	890	850	760	610	0.13	6.0	1 750	3 500	50	4A
	1383	860	730	650	650	650	580	0.11	6.0	1 750	3 500	50	4A
	1659	1 000	1 000	890	850	760	610	0.11	6.0	1 750	3 500	50	4A
	1725	860	730	650	650	650	580	0.09	6.0	1 750	3 500	50	4A
	2153	860	730	650	650	650	580	0.07	6.0	1 750	3 500	50	4A
	2687	700	600	550	550	550	510	0.04	6.0	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP300R

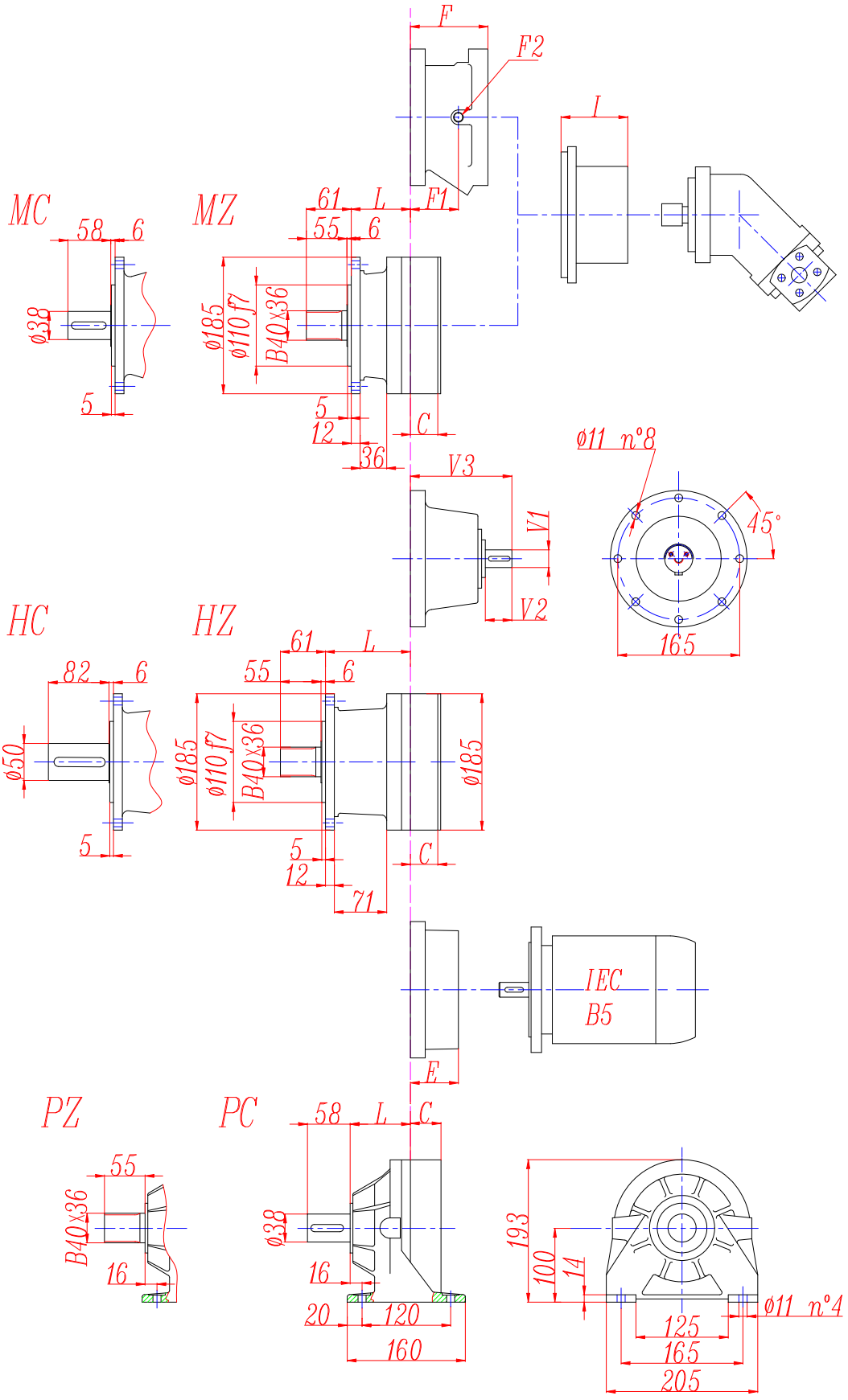
M2'=1000N.m



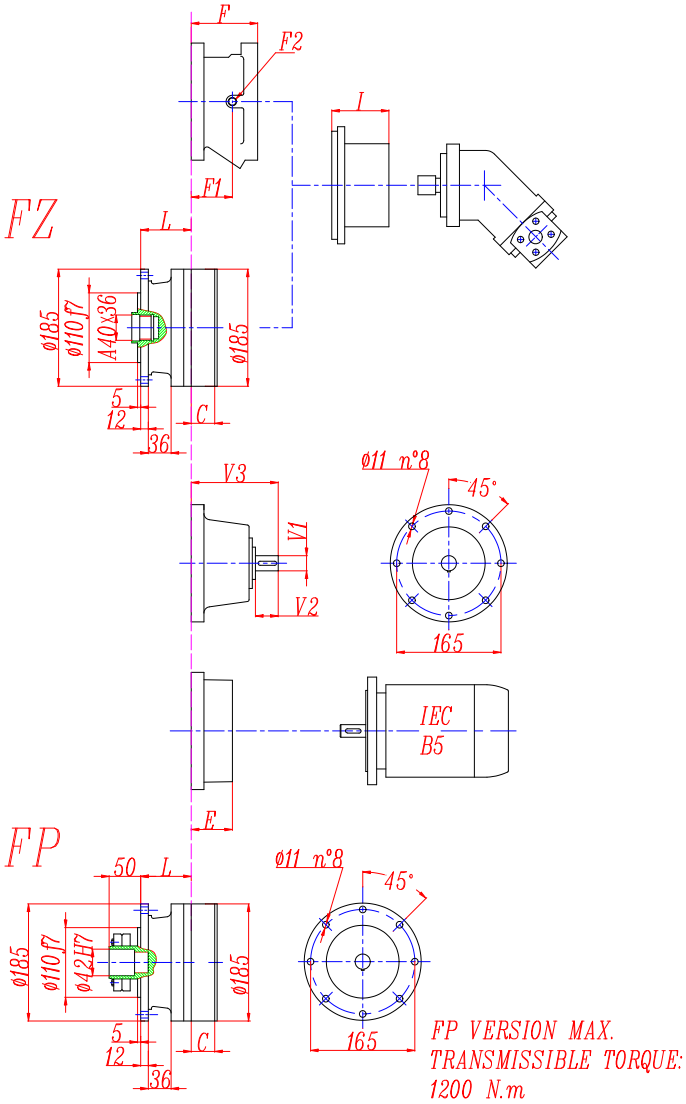
	I	Mn_2 (N.m)						P_1	P_t(KW) (ta=20℃) (n_1=1500)	n_1	n_{1max}	M_b	Brake type 制动器
	1:	n_2.h 10000	n_2.h 25000	n_2.h 50000	n_2.h 100000	n_2.h 500000	n_2.h 1000000	(KW)		(min^{-1})	(min^{-1})	(N.m)	
R2	6.9	1 000	1 000	890	850	760	610	15	12	1 750	3 500	160	4D
	9.1	1 000	1 000	890	850	760	610	15	12	1 750	3 500	160	4D
	11.8	860	730	650	650	650	580	7.5	12	1 750	3 500	100	4B
	14.8	700	600	550	550	550	510	5	12	1 750	3 500	100	4B
R3	23.5	1 000	1 000	890	850	760	610	5	12	1 750	3 500	100	4B
	30.8	1 000	1 000	890	850	760	610	4.2	12	1 750	3 500	50	4A
	40.5	1 000	1 000	890	850	760	610	3.3	12	1 750	3 500	50	4A
	52.6	1 000	1 000	890	850	760	610	2.7	12	1 750	3 500	50	4A
	65.6	1 000	1 000	890	850	760	610	2.2	12	1 750	3 500	50	4A
	85.2	860	730	650	650	650	580	1.3	12	1 750	3 500	50	4A
	106	700	600	550	550	550	510	0.9	12	1 750	3 500	50	4A
R4	79.5	1 000	1 000	890	850	760	610	1.8	10	1 750	3 500	50	4A
	104	1 000	1 000	890	850	760	610	1.4	10	1 750	3 500	50	4A
	135	1 000	1 000	890	850	760	610	1.1	10	1 750	3 500	50	4A
	180	1 000	1 000	890	850	760	610	0.85	10	1 750	3 500	50	4A
	222	1 000	1 000	890	850	760	610	0.7	10	1 750	3 500	50	4A
	234	1 000	1 000	890	850	760	610	0.66	10	1 750	3 500	50	4A
	292	1 000	1 000	890	850	760	610	0.55	10	1 750	3 500	50	4A
	378	1 000	1 000	890	850	760	610	0.42	10	1 750	3 500	50	4A
	472	1 000	1 000	890	850	760	610	0.37	10	1 750	3 500	50	4A
	613	860	730	650	650	650	580	0.21	10	1 750	3 500	50	4A
	765	700	600	550	550	550	510	0.14	10	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP300L


F
F2
I
MC
58
6
ø38
5
MZ
61
L
F1
55
6
ø185
ø110 f7
B40x36
5
12
36
C
V3
V1
V2
ø11 n°8
45°
165
HC
82
6
ø50
5
HZ
61
L
55
6
ø185
ø110 f7
B40x36
ø185
5
12
71
C
IEC
B5
E
PZ
55
B40x36
16
PC
58
L
C
ø38
16
20
120
160
193
100
14
ø11 n°4
125
165
205

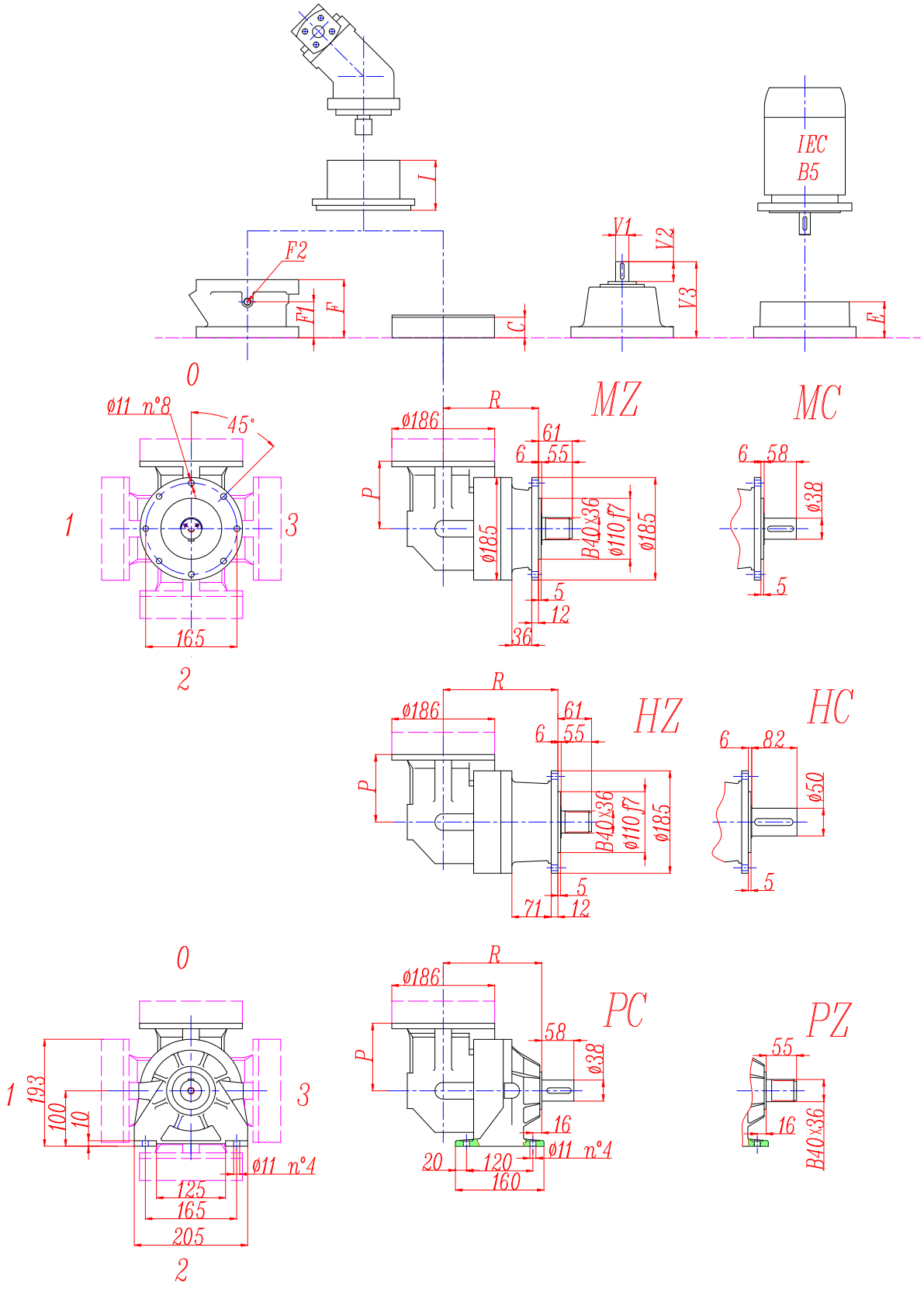
MSEP300L



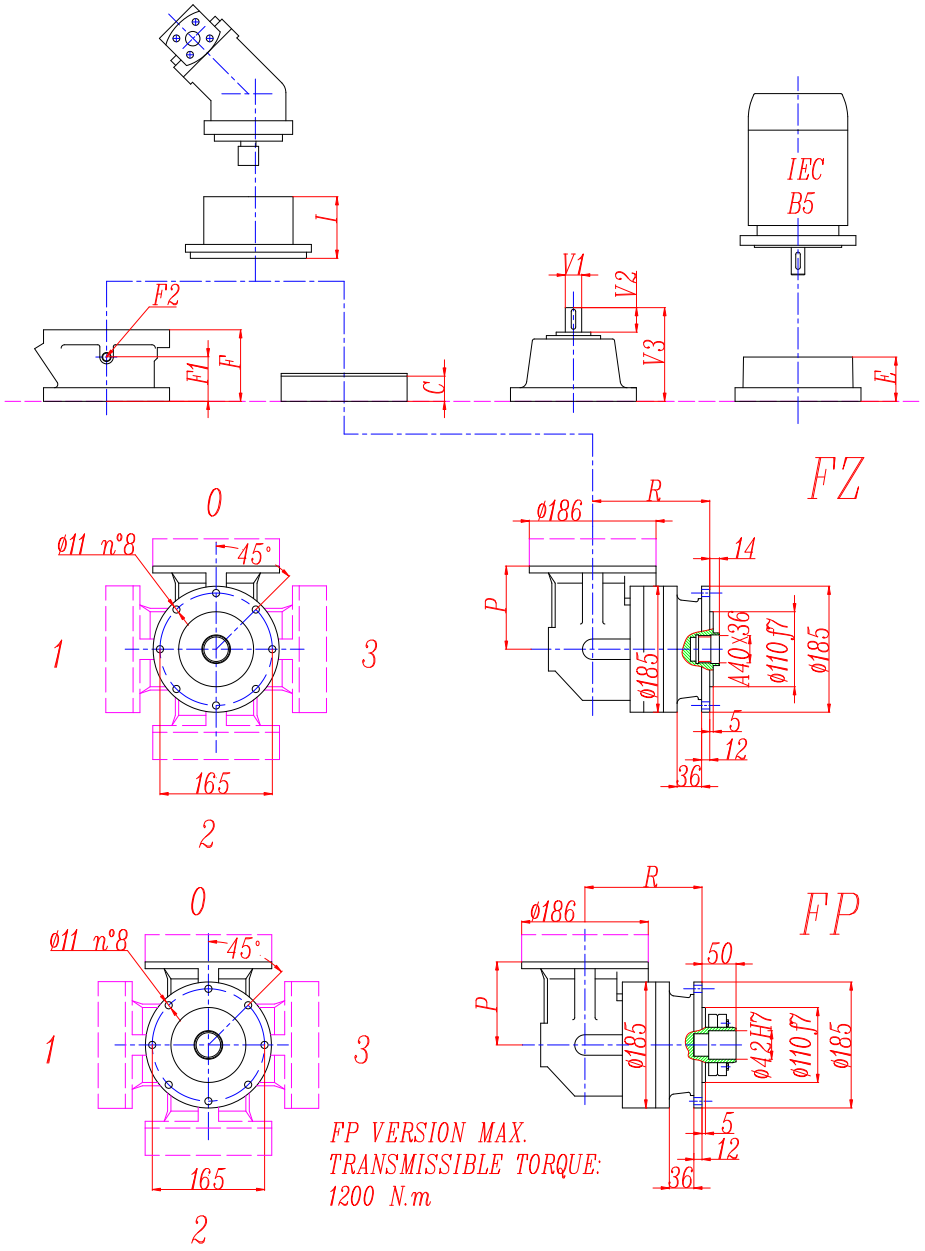
	L				Ref. weight (without input) (Kg)				C	I	Brake				
	MZ MC	FZ FP	HZ HC	PC PZ	MZ MC	FZ FP	HZ HC	PC PZ			F	F1	F2	Type	
300L1	94	94	115	121	16	16	17	20	37	According to hydraulic motor	105	65	1/4 G	4	Ref. Weight 18 Kg
300L2	147	147	168	174	24	24	25	28	37		105	65	1/4 G	4	
300L3	200	200	221	227	32	32	33	33	37		105	65	1/4 G	4	
300L4	253	253	274	280	40	40	41	41	37		105	65	1/4 G	4	

	E (IEC motor input)						
		IEC71	IEC80	IEC90	IEC100	IEC112	IEC132	
300L1		77	97	97	107	107	120	
300L2		77	97	97	107	107	120	
300L3		77	97	97	107	107	120	
300L4		77	97	97	107	107	120	

MSEP300R


IEC
B5
I
F2
F1
F
C
V1
V2
V3
E
0
ø11 n°8
45°
1
3
2
165
MZ
R
ø186
61
6
55
P
ø185
B40x36
ø110 f7
ø185
5
12
36
MC
6
58
ø38
5
HZ
R
ø186
61
6
55
P
B40x36
ø110 f7
ø185
5
71
12
HC
6
82
ø50
5
0
1
193
100
10
3
ø11 n°4
125
165
205
2
PC
R
ø186
58
P
ø38
16
ø11 n°4
20
120
160
PZ
55
16
B40x36

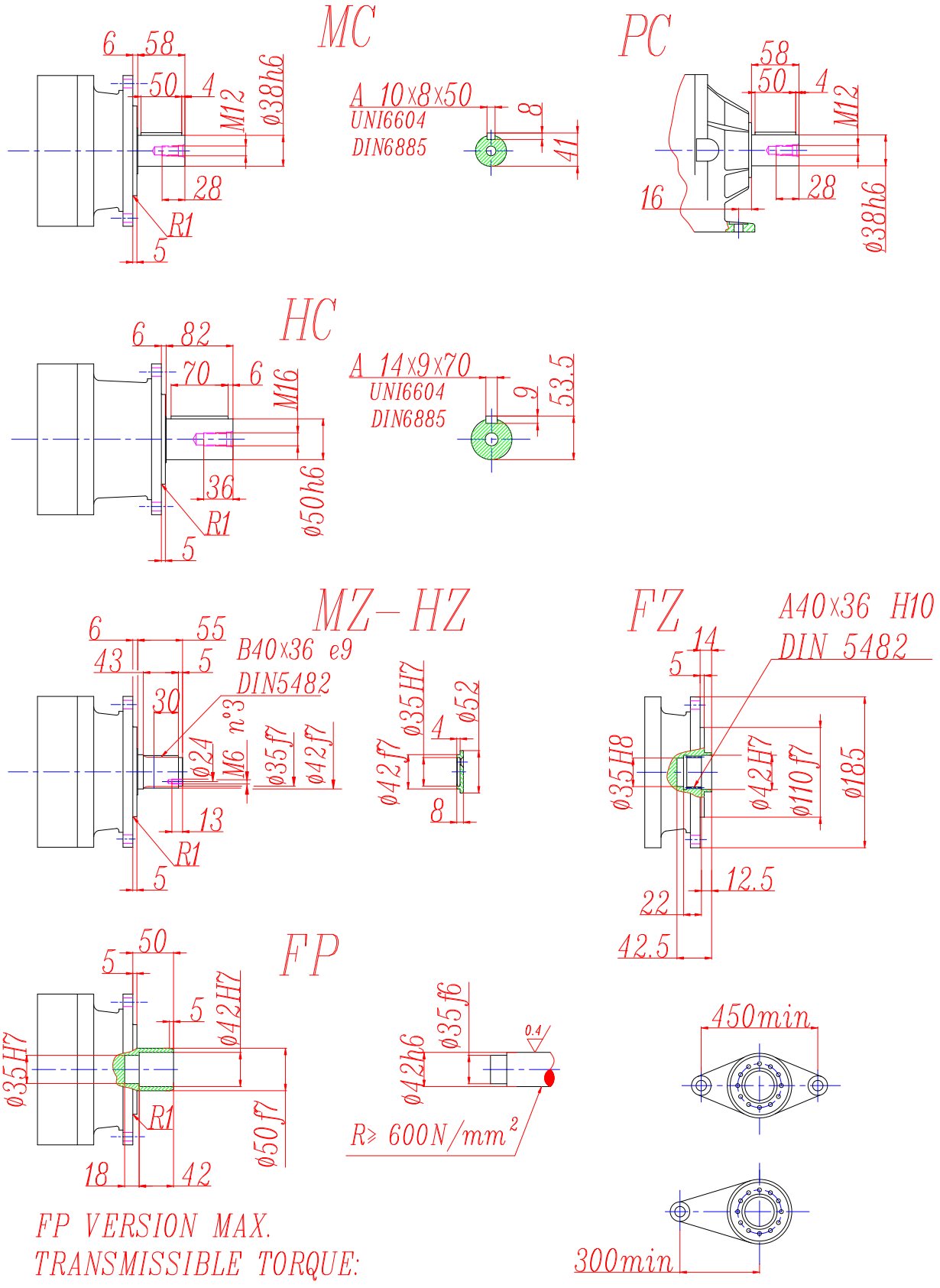
MSEP300R



	R				Ref. weight (without input) (Kg)				C	P	I	Brake				
	MZ MC	FZ FP	HZ HC	PC PZ	MZ MC	FZ FP	HZ HC	PC PZ				F	F1	F2	Type	Ref. Weight
300R2	172	172	193	199	30	30	31	34	37	122	According to hydraulic motor	105	65	1/4 G	4	18 Kg
300R3	225	225	246	252	38	38	39	42	37			105	65	1/4 G	4	
300R4	278	278	278	305	46	46	47	50	37			105	65	1/4 G	4	

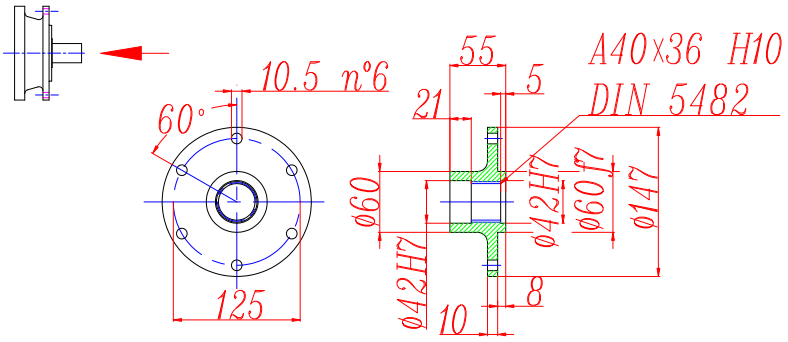
	E (IEC motor input)						
		IEC71	IEC80	IEC90	IEC100	IEC112	IEC132
300R2		77	97	97	107	107	120
300R3		77	97	97	107	107	120
300R4		77	97	97	107	107	120

MSEP300L - MSEP300R

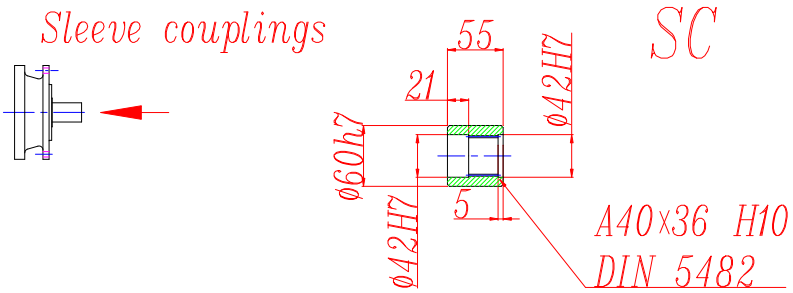


MSEP300L - MSEP300R

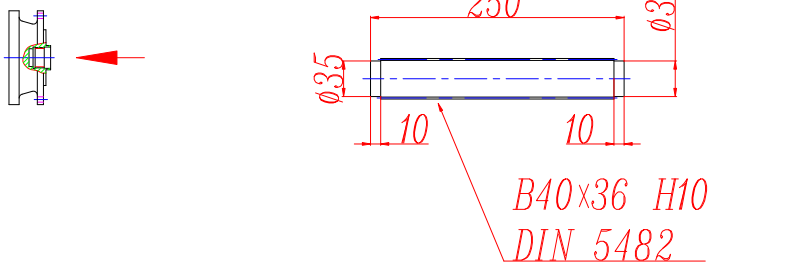
Drive intake flange DIF



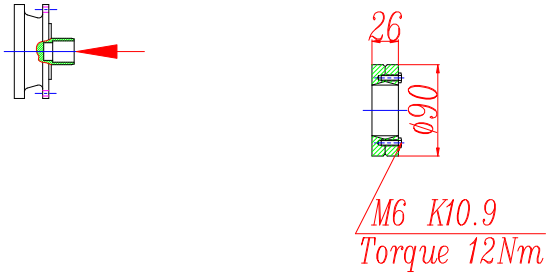
Sleeve couplings SC



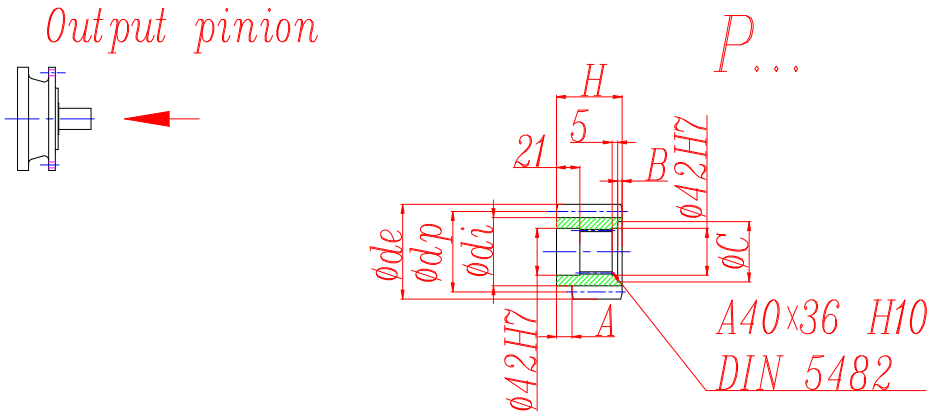
Splined bars SB



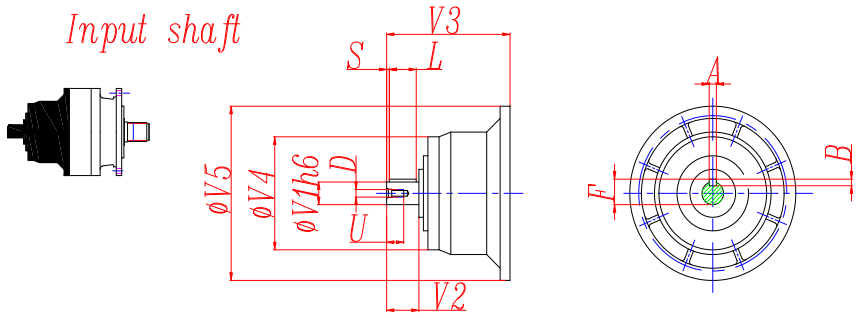
Shrink disc SD



MSEP300L - MSEP300R



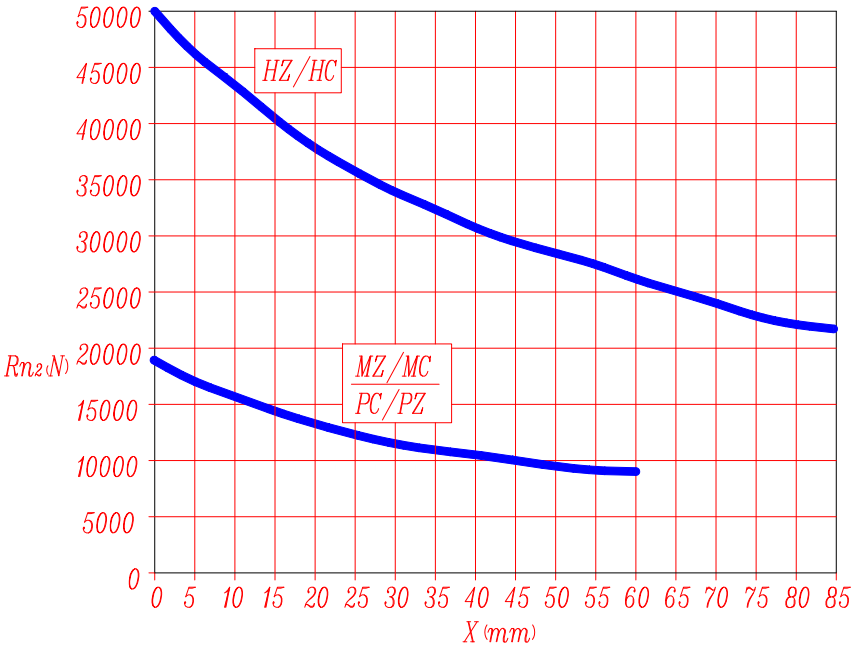
	m	z	x	dp	di	de	H	A	B	C
PBE	4.5	14	0.507	63	56	75.5	55	0	0	0
PCE	5	14	0.500	70	62.5	84.8	65	0	10	53
PDC	6	12	0.250	72	61	84.8	59	14	4	54
PDE	6	14	0.500	84	73	99.6	65	0	10	54

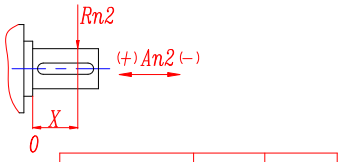


	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
300L1	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
300L2	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
300L3	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
300L4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
300R2-R3-R4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28

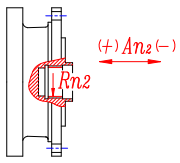
MSEP300L - MSEP300R

Permissible radial and axial loads on output shaft with Fh2 (n2 • h=10 000)





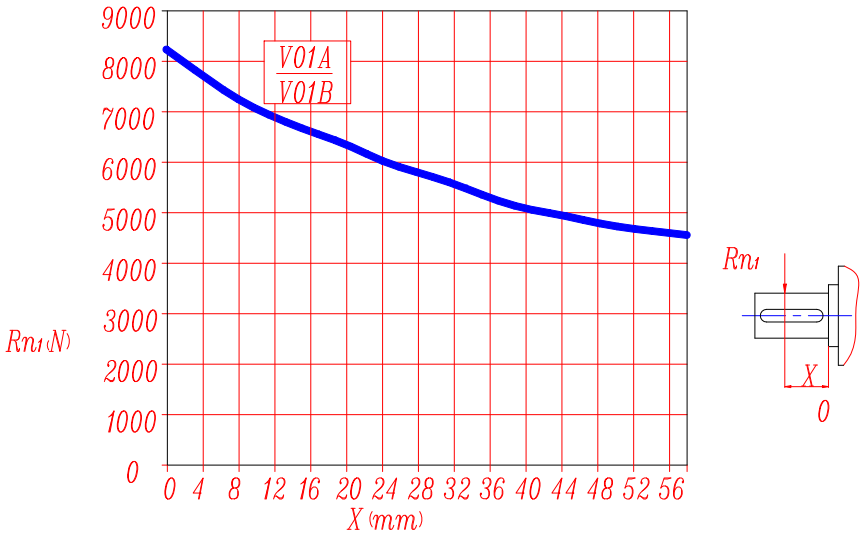
	An2 (+)	An2 (−)
MZ-MC-PC-PZ	20 000	15 000
HZ-HC	40 000	40 000



	Rn2	An2 (+/−)
FZ	8 000	8 000

Load corrective factor fh2 on shafts	fh2= n2 • h		10 000	25 000	50 000	100 000	500 000	1 000 000
	fh2	MZ-MC-FZ	1	0.74	0.58	0.46	0.27	0.21
		HZ-HC-PC-PZ	1	0.76	0.61	0.50	0.31	0.25

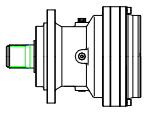
Permissible radial loads on input shaft with Fh1 (n1 • h=250 000)



Load corrective factor fh1 on shafts	Fh1= n1 • h	250 000	500 000	1 000 000	2 00 000	5 000 000	10 000 000
	fh1	1	0.79	0.63	0.50	0.37	0.29

MSEP301L

M2'=2000N.m

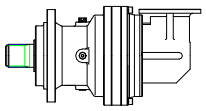


	I	Mn_2 (N.m)						P_1	P_t(KW)	n_1	n_{1max}	M_b	Brake type
		n_2.h	n_2.h	n_2.h	n_2.h	n_2.h	n_2.h		(ta=20℃)				
	1:	10000	25000	50000	100000	500000	1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
L1	3.4	2 000	2 000	1 750	1 700	1 350	1 100	30	7.5	1 750	3 500	440	4L
	4.4	2 000	2 000	1 750	1 700	1 350	1 100	30	7.5	1 750	3 500	440	4L
	5.8	1 700	1 450	1 300	1 300	1 300	1 050	28	7.5	1 750	3 500	400	4K
	7.2	1 150	1 150	1 150	1 150	1 150	940	18	7.5	1 750	3 500	260	4F
L2	11.5	2 000	2 000	1 750	1 700	1 350	1 100	15	7.5	1 750	3 500	260	4F
	15	2 000	2 000	1 750	1 700	1 350	1 100	12	7.5	1 750	3 500	260	4F
	19.8	2 000	2 000	1 750	1 700	1 350	1 100	10	7.5	1 750	3 500	160	4D
	25.6	2 000	2 000	1 750	1 700	1 350	1 100	8.2	7.5	1 750	3 500	160	4D
	32	2 000	2 000	1 750	1 700	1 350	1 100	7.5	7.5	1 750	3 500	100	4B
	41.5	1 700	1 450	1 300	1 300	1 300	1 050	5.2	7.5	1 750	3 500	100	4B
	51.8	1 150	1 150	1 150	1 150	1 150	940	3.6	7.5	1 750	3 500	50	4A
L3	38.8	2 000	2 000	1 750	1 700	1 350	1 100	6	7.5	1 750	3 500	100	4B
	50.9	2 000	2 000	1 750	1 700	1 350	1 100	4.9	7.5	1 750	3 500	50	4A
	66.1	2 000	2 000	1 750	1 700	1 350	1 100	3.8	7.5	1 750	3 500	50	4A
	87.8	2 000	2 000	1 750	1 700	1 350	1 100	3	7.5	1 750	3 500	50	4A
	108	2 000	2 000	1 750	1 700	1 350	1 100	2.5	7.5	1 750	3 500	50	4A
	114	2 000	2 000	1 750	1 700	1 350	1 100	2.4	7.5	1 750	3 500	50	4A
	142	2 000	2 000	1 750	1 700	1 350	1 100	2	7.5	1 750	3 500	50	4A
	185	2 000	2 000	1 750	1 700	1 350	1 100	1.6	7.5	1 750	3 500	50	4A
	230	2 000	2 000	1 750	1 700	1 350	1 100	1.3	7.5	1 750	3 500	50	4A
	299	1 700	1 450	1 300	1 300	1 300	1 050	1	7.5	1 750	3 500	50	4A
	373	1 150	1 150	1 150	1 150	1 150	940	0.55	7.5	1 750	3 500	50	4A
L4	297	2 000	2 000	1 750	1 700	1 350	1 100	1	6	1 750	3 500	50	4A
	386	2 000	2 000	1 750	1 700	1 350	1 100	0.8	6	1 750	3 500	50	4A
	476	2 000	2 000	1 750	1 700	1 350	1 100	0.68	6	1 750	3 500	50	4A
	501	2 000	2 000	1 750	1 700	1 350	1 100	0.65	6	1 750	3 500	50	4A
	625	2 000	2 000	1 750	1 700	1 350	1 100	0.55	6	1 750	3 500	50	4A
	650	2 000	2 000	1 750	1 700	1 350	1 100	0.53	6	1 750	3 500	50	4A
	780	2 000	2 000	1 750	1 700	1 350	1 100	0.45	6	1 750	3 500	50	4A
	853	2 000	2 000	1 750	1 700	1 350	1 100	0.42	6	1 750	3 500	50	4A
	1024	2 000	2 000	1 750	1 700	1 350	1 100	0.35	6	1 750	3 500	50	4A
	1108	1 700	1 450	1 300	1 300	1 300	1 050	0.25	6	1 750	3 500	50	4A
	1329	2 000	2 000	1 750	1 700	1 350	1 100	0.27	6	1 750	3 500	50	4A
	1383	1 700	1 450	1 300	1 300	1 300	1 050	0.2	6	1 750	3 500	50	4A
	1659	2 000	2 000	1 750	1 700	1 350	1 100	0.22	6	1 750	3 500	50	4A
	1725	1 700	1 450	1 300	1 300	1 300	1 050	0.17	6	1 750	3 500	50	4A
	2153	1 700	1 450	1 300	1 300	1 300	1 050	0.14	6	1 750	3 500	50	4A
	2687	1 150	1 150	1 150	1 150	1 150	940	0.08	6	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP301R

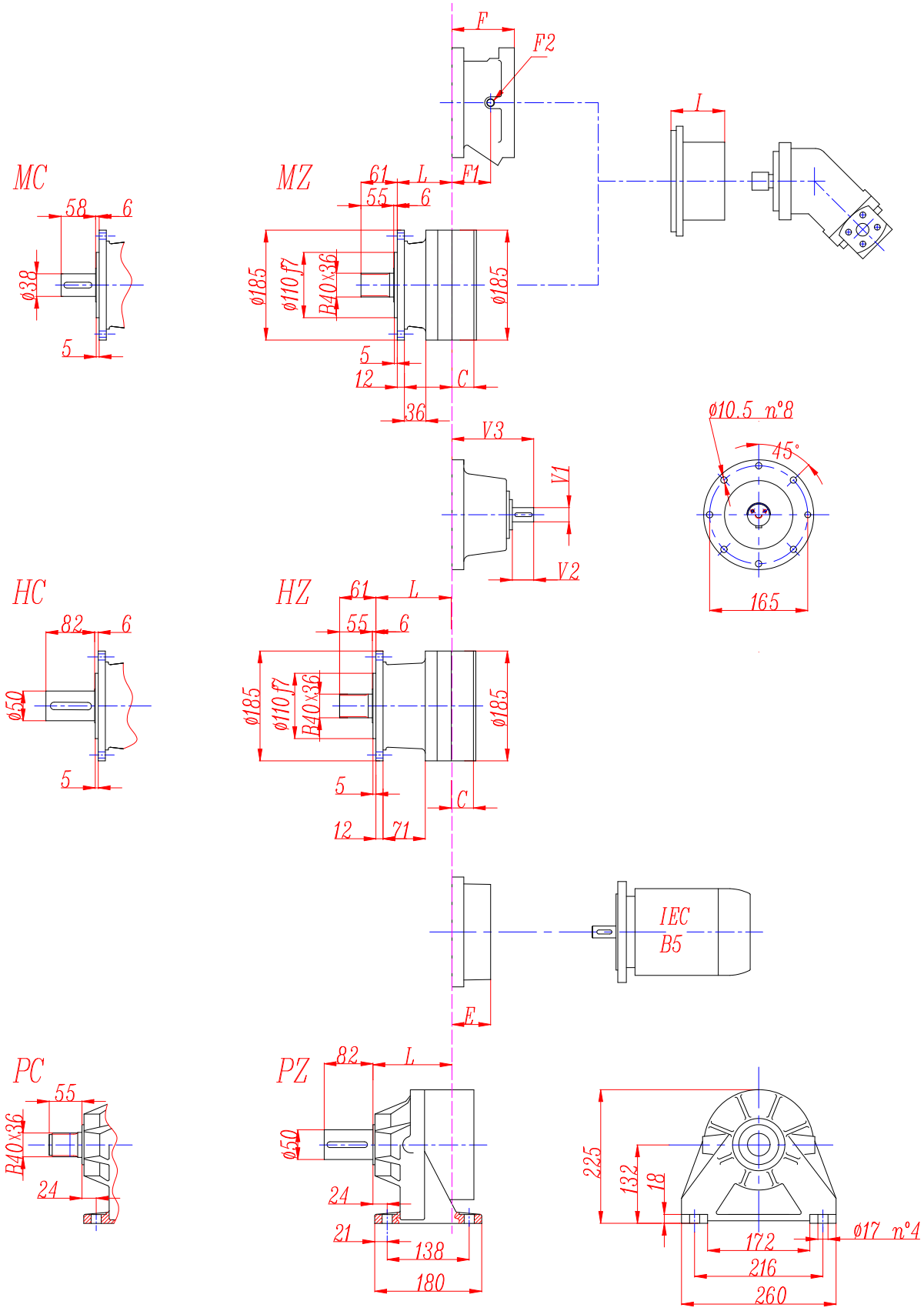
M2'=2000N.m



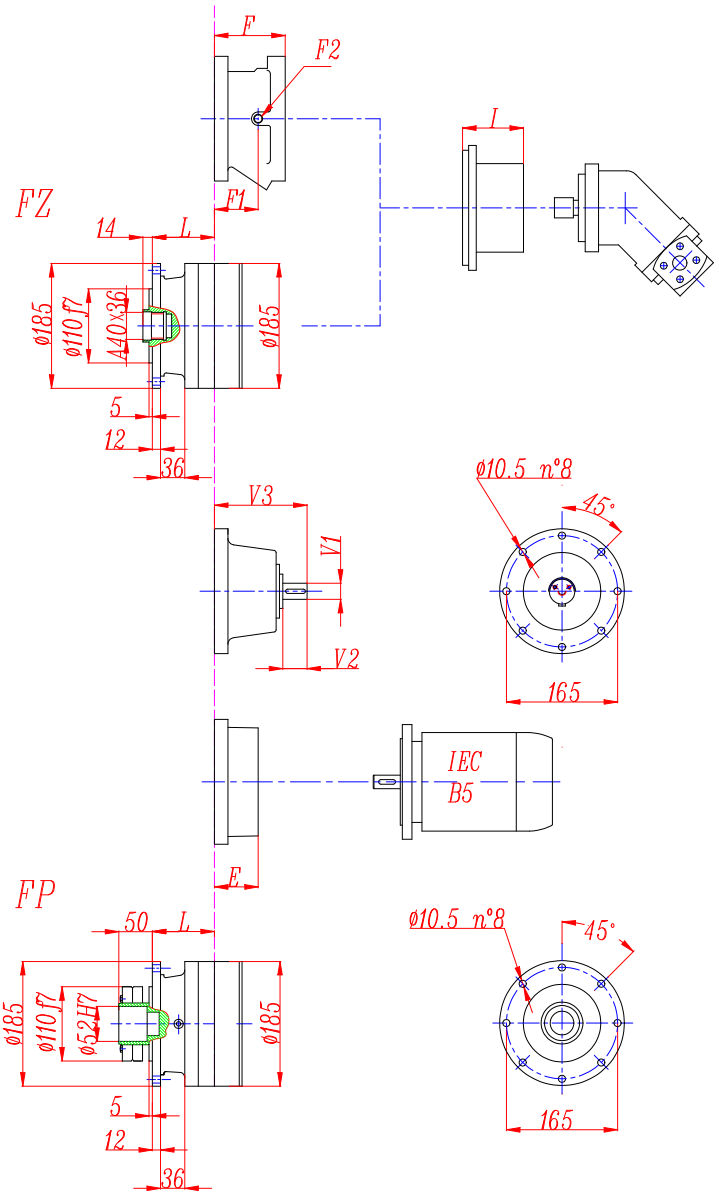
	I	Mn_2 (N.m)						P_1	P_t(KW) (ta=20℃) (n_1=1500)	n_1	n_{1max}	M_b	Brake type 制动器
	1:	n_2.h 10000	n_2.h 25000	n_2.h 50000	n_2.h 100000	n_2.h 500000	n_2.h 1000000	(KW)		(min^{-1})	(min^{-1})	(N.m)	
R2	6.9	1 200	1 200	1 200	1 200	1 100	930	15	12	1 750	3 500	260	4F
	9.1	1 450	1 450	1 450	1 450	1 250	1 050	15	12	1 750	3 500	260	4F
	11.8	1 700	1 450	1 300	1 300	1 300	1 050	14	12	1 750	3 500	260	4F
	14.8	1 150	1 150	1 150	1 150	1 150	940	11	12	1 750	3 500	160	4D
R3	23.5	2 000	2 000	1 750	1 700	1 350	1 100	8	12	1 750	3 500	160	4D
	30.8	2 000	2 000	1 750	1 700	1 350	1 100	7.7	12	1 750	3 500	100	4B
	40.5	2 000	2 000	1 750	1 700	1 350	1 100	6.3	12	1 750	3 500	100	4B
	52.6	2 000	2 000	1 750	1 700	1 350	1 100	5	12	1 750	3 500	100	4B
	65.6	2 000	2 000	1 750	1 700	1 350	1 100	4.1	12	1 750	3 500	50	4A
	85.2	1 700	1 450	1 300	1 300	1 300	1 050	2.7	12	1 750	3 500	50	4A
	106	1 150	1 150	1 150	1 150	1 150	940	1.9	12	1 750	3 500	50	4A
R4	79.5	2 000	2 000	1 750	1 700	1 350	1 100	3.5	10	1 750	3 500	50	4A
	104	2 000	2 000	1 750	1 700	1 350	1 100	2.7	10	1 750	3 500	50	4A
	136	2 000	2 000	1 750	1 700	1 350	1 100	2.2	10	1 750	3 500	50	4A
	180	2 000	2 000	1 750	1 700	1 350	1 100	1.7	10	1 750	3 500	50	4A
	222	2 000	2 000	1 750	1 700	1 350	1 100	1.4	10	1 750	3 500	50	4A
	234	2 000	2 000	1 750	1 700	1 350	1 100	1.3	10	1 750	3 500	50	4A
	292	2 000	2 000	1 750	1 700	1 350	1 100	1.1	10	1 750	3 500	50	4A
	378	2 000	2 000	1 750	1 700	1 350	1 100	0.85	10	1 750	3 500	50	4A
	472	2 000	2 000	1 750	1 700	1 350	1 100	0.67	10	1 750	3 500	50	4A
	613	1 700	1 450	1 300	1 300	1 300	1 050	0.43	10	1 750	3 500	50	4A
	765	1 150	1 150	1 150	1 150	1 150	940	0.27	10	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP301L


MC
58
6
ø38
5
MZ
61
L
F1
55
6
ø185
ø110 f7
R40x36
ø185
5
12
C
36
F
F2
I
V3
V1
V2
ø10.5 n°8
45°
165
HC
82
6
ø50
5
HZ
61
L
55
6
ø185
ø110 f7
R40x36
ø185
5
C
12
71
IEC
B5
E
PC
55
R40x36
24
PZ
82
L
ø50
24
21
138
180
225
132
18
172
216
260
ø17 n°4

MSEP301L



FP version

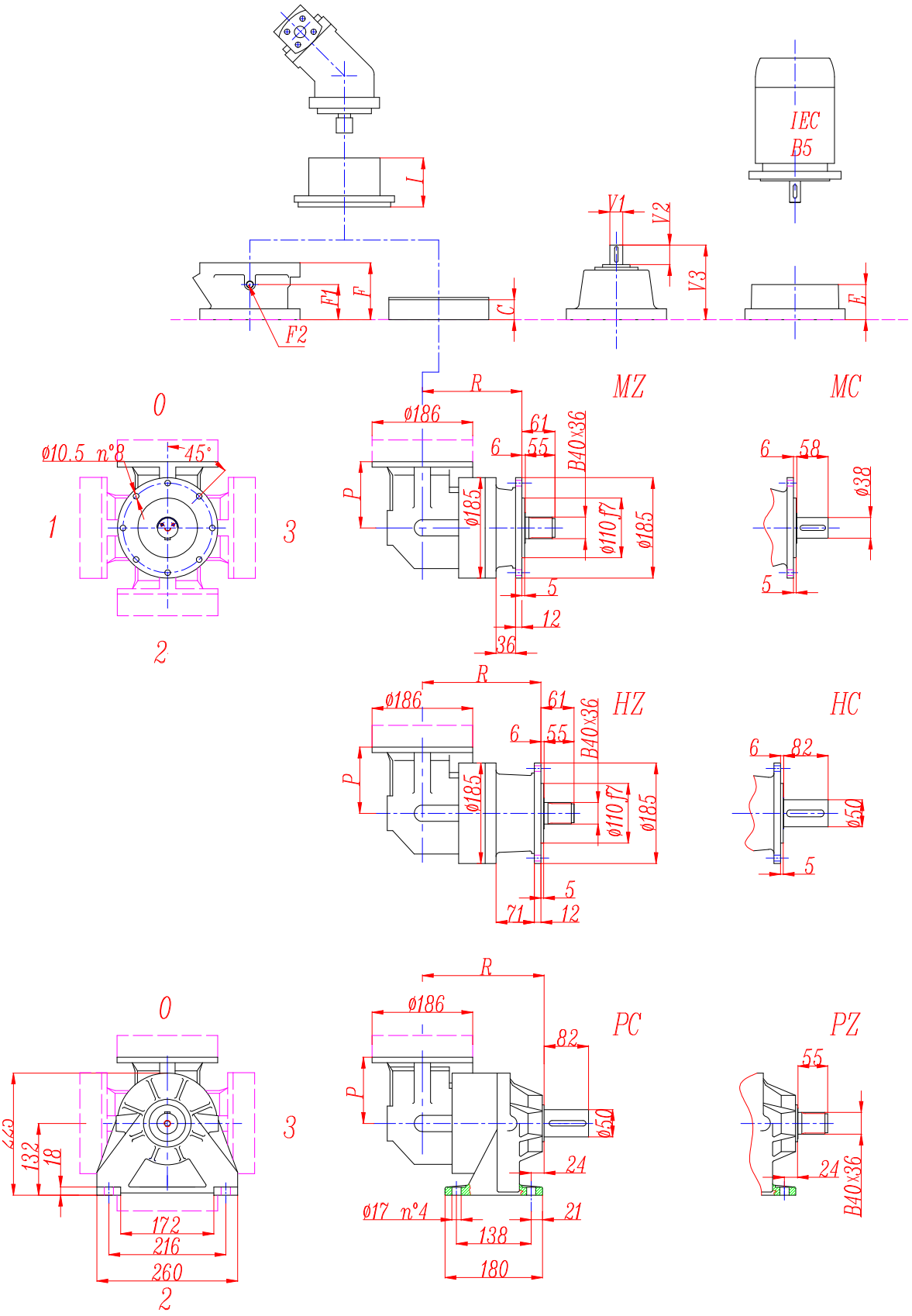
Max. transmissible

2400 N.m

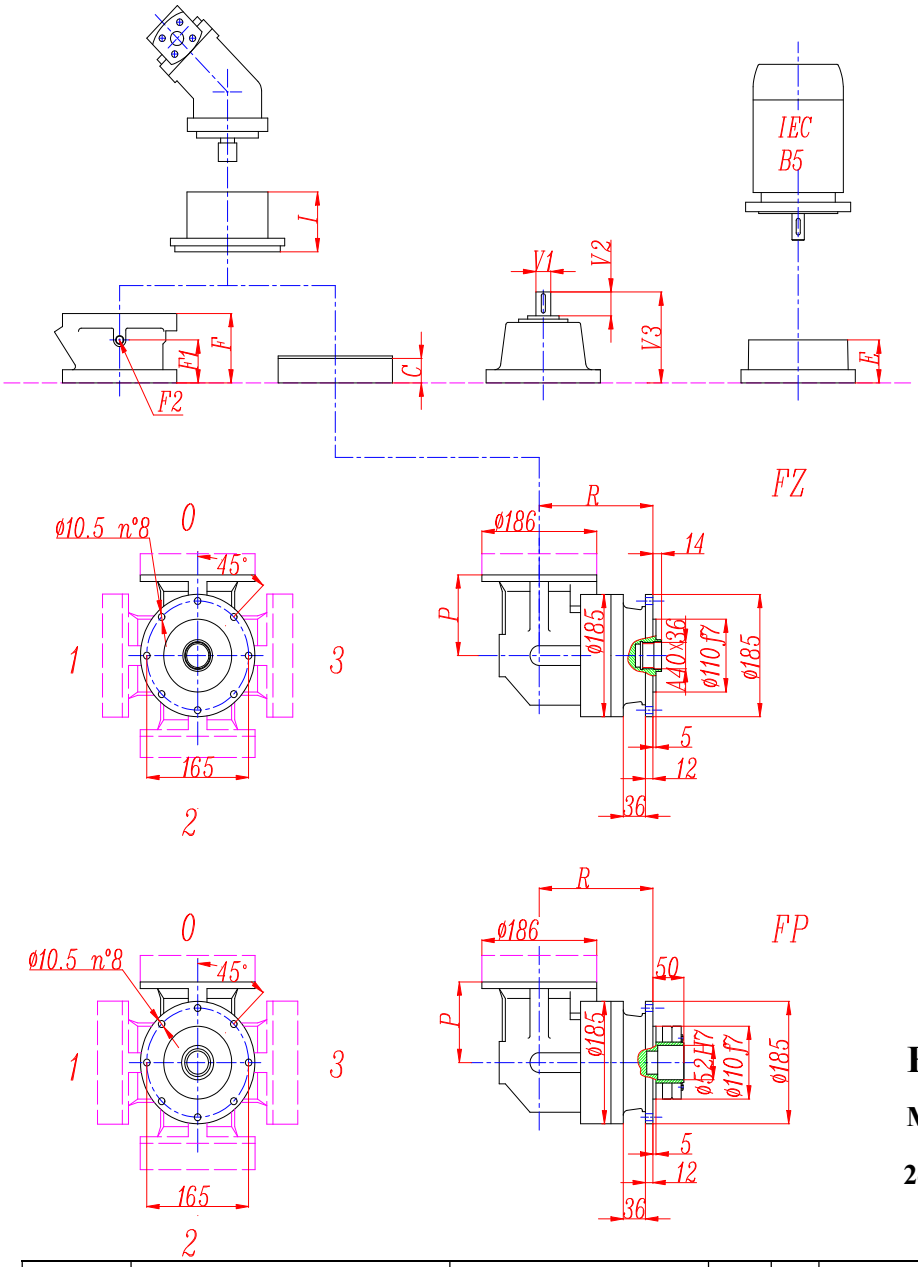
	L				Ref. weight (without input) (Kg)				C	I	Brake				
	MZ MC	FZ FP	HZ HC	PC PZ	MZ MC	FZ FP	HZ HC	PC PZ			F	F1	F2	Type	Ref. Weight
301L1	106	106	127	133	18	18	19	21	37	According to hydraulic motor	105	65	1/4 G	4	18 Kg
301L2	159	159	180	186	26	26	27	29	37		105	65	1/4 G	4	
301L3	212	212	233	239	34	34	35	37	37		105	65	1/4 G	4	
301L4	265	265	286	292	42	42	43	45	37		105	65	1/4 G	4	

	E (IEC motor input)							
	IEC71	IEC80	IEC90	IEC100	IEC112	IEC132	IEC160	IEC180
301L1	77	97	97	107	107	120	153	153
301L2	77	97	97	107	107	120	153	153
301L3	77	97	97	107	107	120	153	153
301L4	77	97	97	107	107	120	153	153

MSEP301R


IEC
B5
I
V1
V2
V3
F1
F
F2
C
E
0
1
2
3
ø10.5 n°8
45°
R
ø186
61
6
55
B40x36
P
ø185
ø110 f7
ø185
5
12
36
MZ
MC
6
58
ø38
5
HZ
HC
82
ø50
71
PC
PZ
24
ø17 n°4
21
138
180
55
B40x36
277
132
18
172
216
260

MSEP301R



FP version

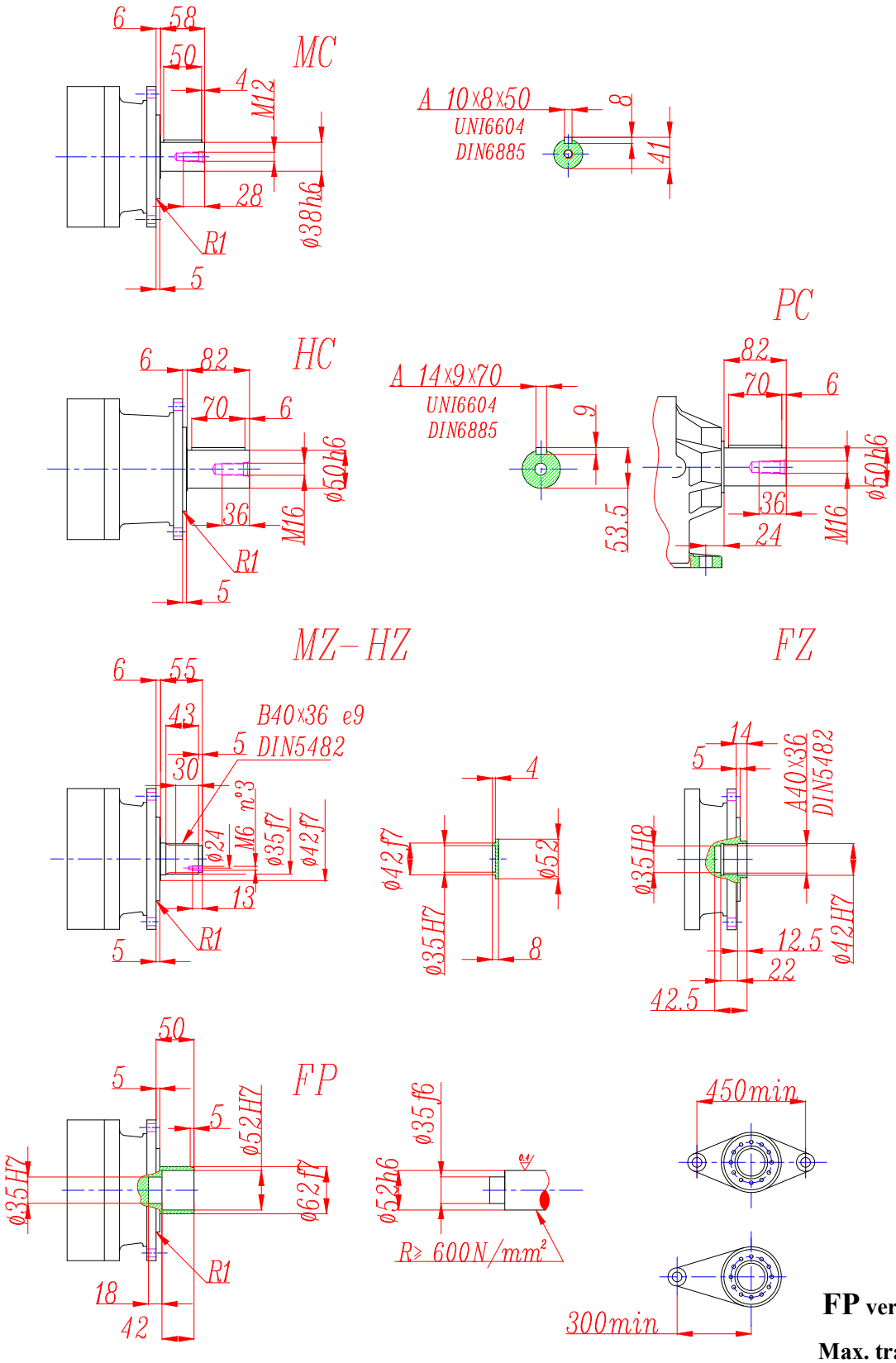
Max. transmissible

2400 N.m

	R				Ref. weight (without input) (Kg)				C	P	I	Brake				
	MZ MC	FZ FP	HZ HC	PC PZ	MZ MC	FZ FP	HZ HC	PC PZ				F	F1	F2	Type	Ref. Weight
301R2	184	184	205	211	32	32	33	37	37	122	According to hydraulic motor	105	65	1/4 G	4	18 Kg
301R3	237	237	258	264	40	40	41	45	37			105	65	1/4 G	4	
301R4	290	290	311	317	48	48	49	53	37			105	65	1/4 G	4	

	E (IEC motor input)							
	IEC71	IEC80	IEC90	IEC100	IEC112	IEC132	IEC160	IEC180
301R2	77	97	97	107	107	120	153	153
301R3	77	97	97	107	107	120	153	153
301R4	77	97	97	107	107	120	153	153

MSEP301L - MSEP301R

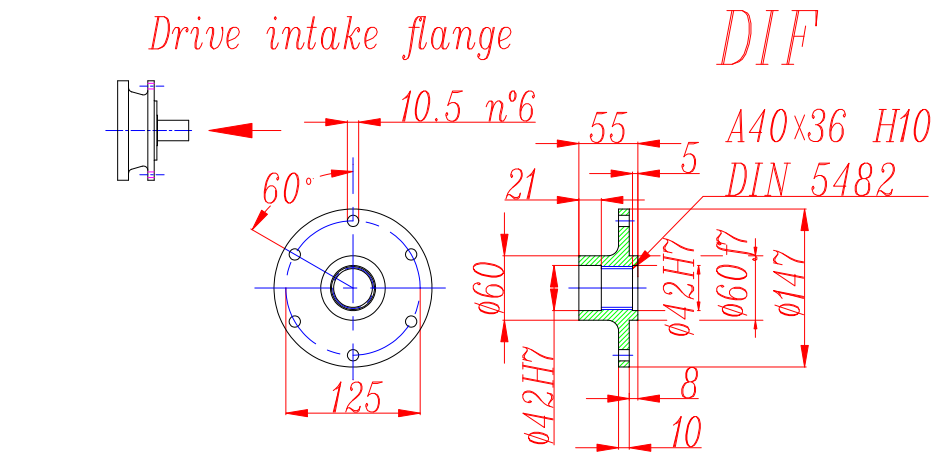


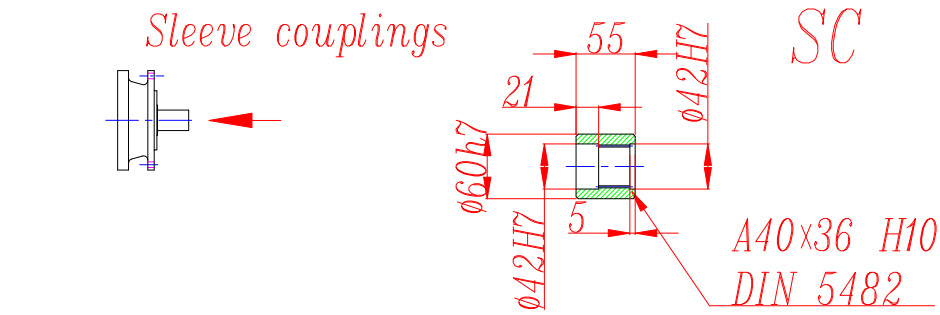
FP version

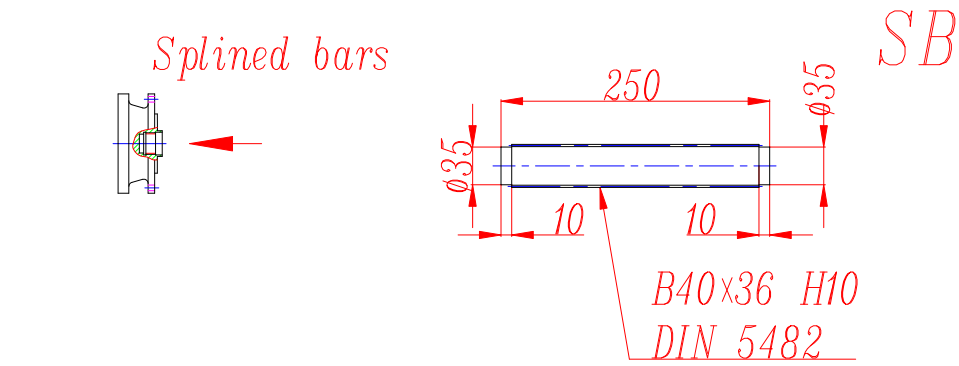
Max. transmissible

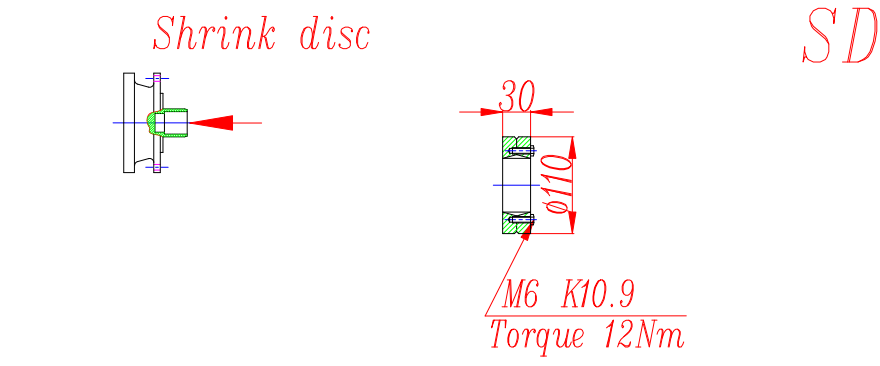
2400 N.m

MSEP301L - MSEP301R

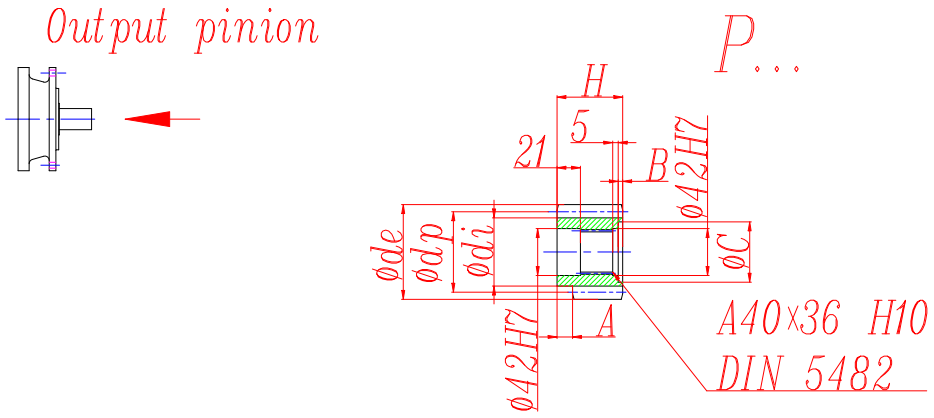




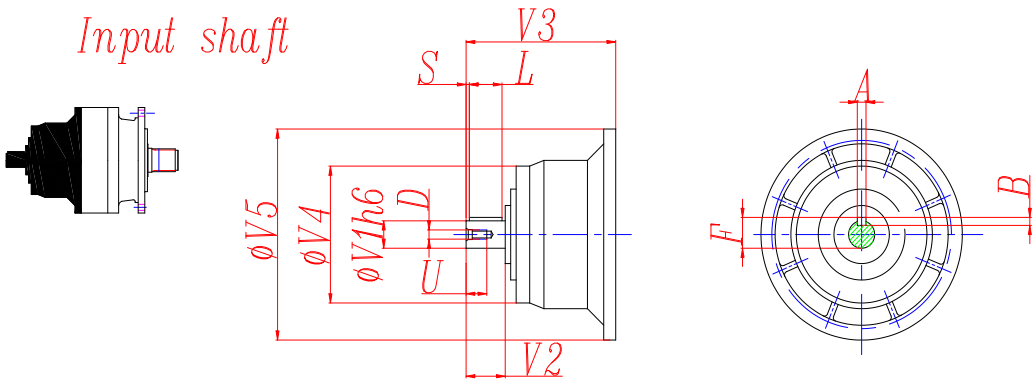




MSEP301L - MSEP301R



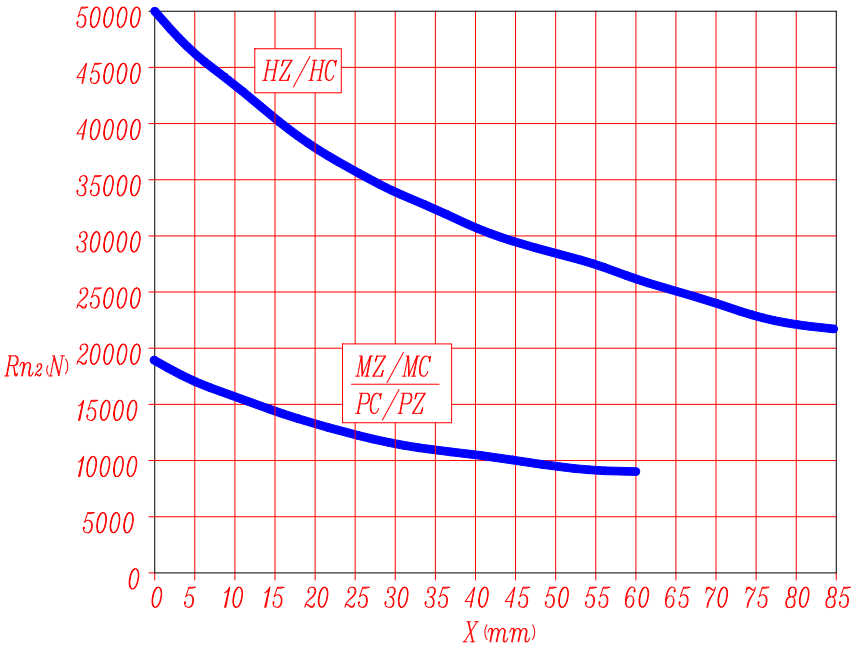
	m	z	x	dp	di	de	H	A	B	C
PBE	4.5	14	0.507	63	56	75.5	55	0	0	0
PCE	5	14	0.500	70	62.5	84.8	65	0	10	53
PDC	6	12	0.250	72	61	84.8	59	14	4	54
PDE	6	14	0.500	84	73	99.6	65	0	10	54

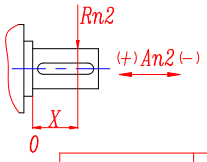


	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
301L1	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
301L2	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
301L3	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
301L4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
301R2-R3-R4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28

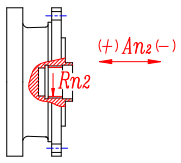
MSEP301L - MSEP301R

Permissible radial and axial loads on output shaft with Fh2 (n2 • h=10 000)





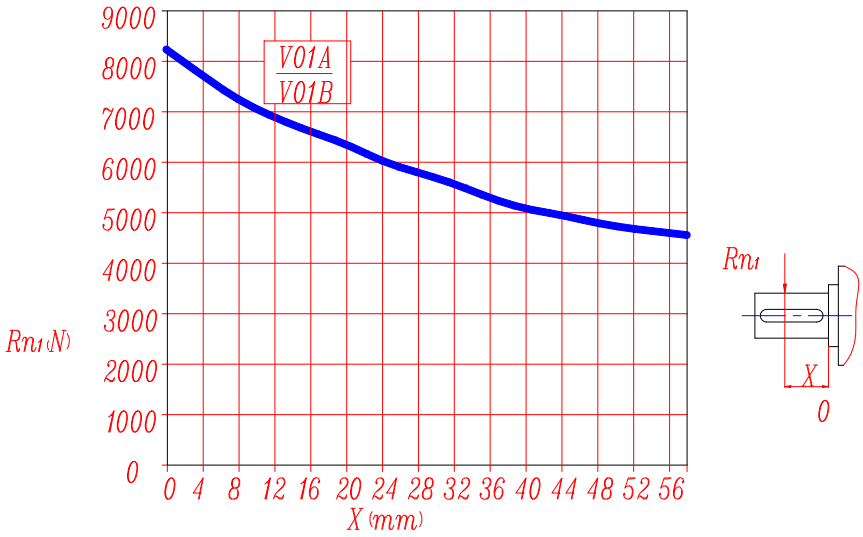
	An2 (+)	An2 (−)
MZ-MC-PC-PZ	20 000	15 000
HZ-HC	40 000	40 000



	Rn2	An2 (+/−)
FZ	8 000	8 000

Load corrective factor fh2 on shafts	fh2= n2 • h		10 000	25 000	50 000	100 000	500 000	1 000 000
	fh2	MZ-MC-FZ	1	0.74	0.58	0.46	0.27	0.21
		HZ-HC-PC-PZ	1	0.76	0.61	0.50	0.31	0.25

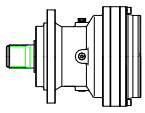
Permissible radial loads on input shaft with Fh1 (n1 • h=250 000)



Load corrective factor fh1 on shafts	Fh1= n1 • h	250 000	500 000	1 000 000	2 00 000	5 000 000	10 000 000
	fh1	1	0.79	0.63	0.50	0.37	0.29

MSEP303L

M2'=3000N.m

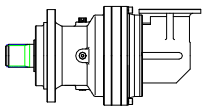


	I	Mn_2 (N.m)						P_1	P_t(KW)	n_1	n_{1max}	M_b	Brake type
		n_2.h	n_2.h	n_2.h	n_2.h	n_2.h	n_2.h		(ta=20℃)				
	1:	10000	25000	50000	100000	500000	1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
L1	3.7	2 900	2 750	2 650	2 600	2 150	1 750	40	11	1 750	3 500	1 000	5K
	4.2	2 900	2 750	2 650	2 600	2 150	1 750	40	11	1 750	3 500	1 000	5K
	5	2 800	2 450	2 200	2 200	2 100	1 700	40	11	1 750	3 500	800	5G
	5.6	2 300	2 000	1 800	1 800	1 750	1 400	40	11	1 750	3 500	630	5E
	6.8	2 000	1 750	1 650	1 650	1 650	1 500	36	11	1 750	3 500	500	5C
L2	12.4	2 900	2 750	2 650	2 600	2 150	1 750	25	9	1 750	3 500	330	4H
	14.2	2 900	2 750	2 650	2 600	2 150	1 750	22	9	1 750	3 500	330	4H
	18.7	2 900	2 750	2 650	2 600	2 150	1 750	17	9	1 750	3 500	260	4F
	24.2	2 900	2 750	2 650	2 600	2 150	1 750	13	9	1 750	3 500	260	4F
	25.2	2 900	2 750	2 650	2 600	2 150	1 750	13	9	1 750	3 500	260	4F
	28.9	2 800	2 450	2 200	2 200	2 100	1 700	12	9	1 750	3 500	160	4D
	30	2 800	2 450	2 200	2 200	2 100	1 700	11.5	9	1 750	3 500	160	4D
	32.1	2 300	2 000	1 800	1 800	1 750	1 400	10	9	1 750	3 500	100	4B
	40.1	2 300	2 000	1 800	1 800	1 750	1 400	8	9	1 750	3 500	100	4B
	49.1	2 000	1 750	1 650	1 650	1 650	1 500	6	9	1 750	3 500	100	4B
L3	48.1	2 900	2 750	2 650	2 600	2 150	1 750	8	7.5	1 750	3 500	100	4B
	55.2	2 900	2 750	2 650	2 600	2 150	1 750	7	7.5	1 750	3 500	100	4B
	63.2	2 900	2 750	2 650	2 600	2 150	1 750	6.2	7.5	1 750	3 500	100	4B
	71.6	2 900	2 750	2 650	2 600	2 150	1 750	5.5	7.5	1 750	3 500	50	4A
	82	2 900	2 750	2 650	2 600	2 150	1 750	5	7.5	1 750	3 500	50	4A
	108	2 900	2 750	2 650	2 600	2 150	1 750	4	7.5	1 750	3 500	50	4A
	140	2 900	2 750	2 650	2 600	2 150	1 750	3.2	7.5	1 750	3 500	50	4A
	174	2 900	2 750	2 650	2 600	2 150	1 750	2.6	7.5	1 750	3 500	50	4A
	208	2 800	2 450	2 200	2 200	2 100	1 700	1.8	7.5	1 750	3 500	50	4A
	259	2 300	2 000	1 800	1 800	1 750	1 400	1.2	7.5	1 750	3 500	50	4A
	354	2 000	1 750	1 650	1 650	1 650	1 500	0.8	7.5	1 750	3 500	50	4A
L4	278	2 900	2 750	2 650	2 600	2 150	1 750	1.5	6	1 750	3 500	50	4A
	318	2 900	2 750	2 650	2 600	2 150	1 750	1.3	6	1 750	3 500	50	4A
	365	2 900	2 750	2 650	2 600	2 150	1 750	1.2	6	1 750	3 500	50	4A
	413	2 900	2 750	2 650	2 600	2 150	1 750	1	6	1 750	3 500	50	4A
	473	2 900	2 750	2 650	2 600	2 150	1 750	0.9	6	1 750	3 500	50	4A
	621	2 900	2 750	2 650	2 600	2 150	1 750	0.7	6	1 750	3 500	50	4A
	745	2 900	2 750	2 650	2 600	2 150	1 750	0.65	6	1 750	3 500	50	4A
	806	2 900	2 750	2 650	2 600	2 150	1 750	0.6	6	1 750	3 500	50	4A
	1007	2 900	2 750	2 650	2 600	2 150	1 750	0.5	6	1 750	3 500	50	4A
	1256	2 900	2 750	2 650	2 600	2 150	1 750	0.4	6	1 750	3 500	50	4A
	1495	2 800	2 450	2 200	2 200	2 100	1 700	0.3	6	1 750	3 500	50	4A
	1866	2 300	2 000	1 800	1 800	1 750	1 400	0.2	6	1 750	3 500	50	4A
	2545	2 000	1 750	1 650	1 650	1 650	1 500	0.14	6	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP303R

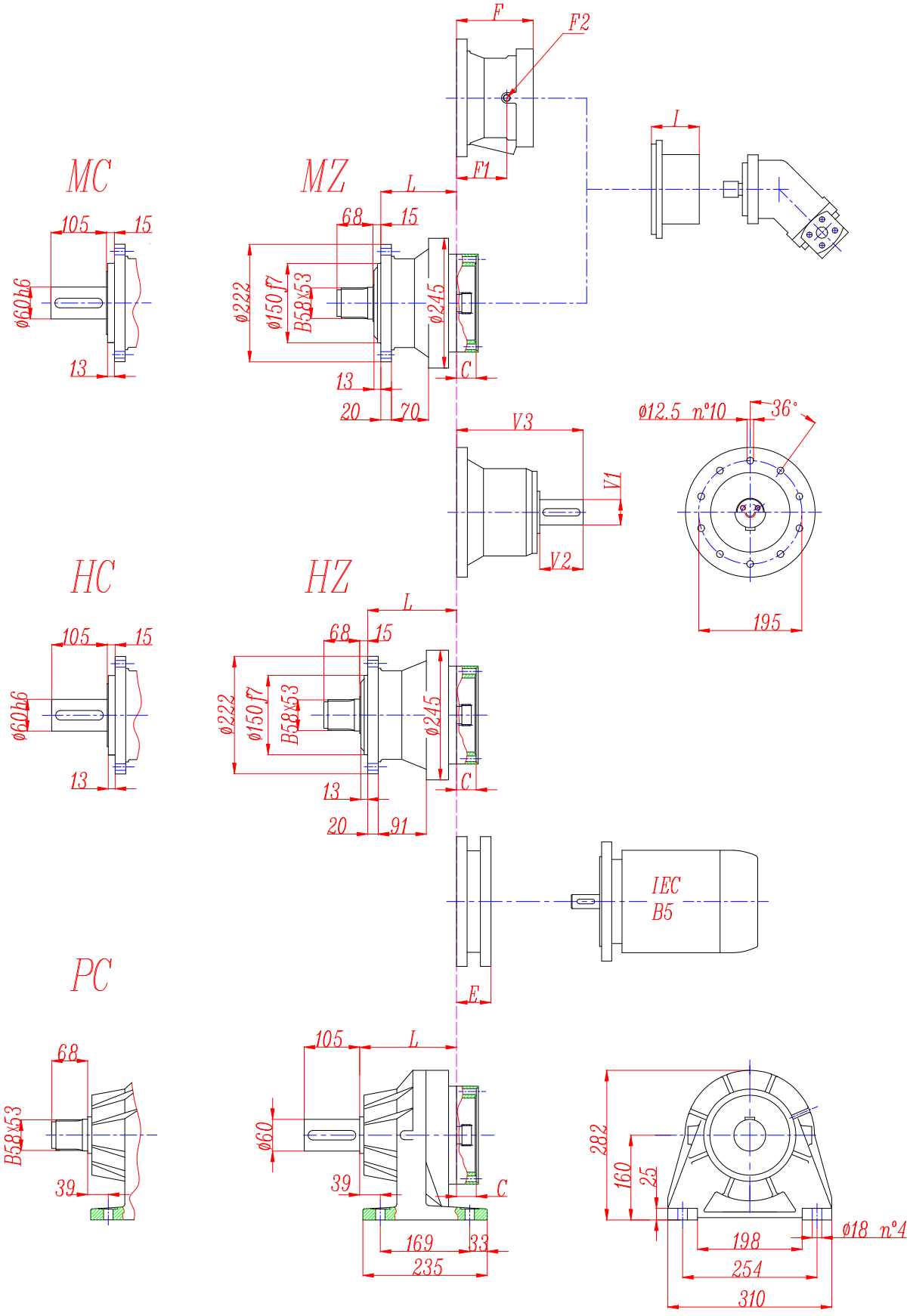
M2'=3000N.m



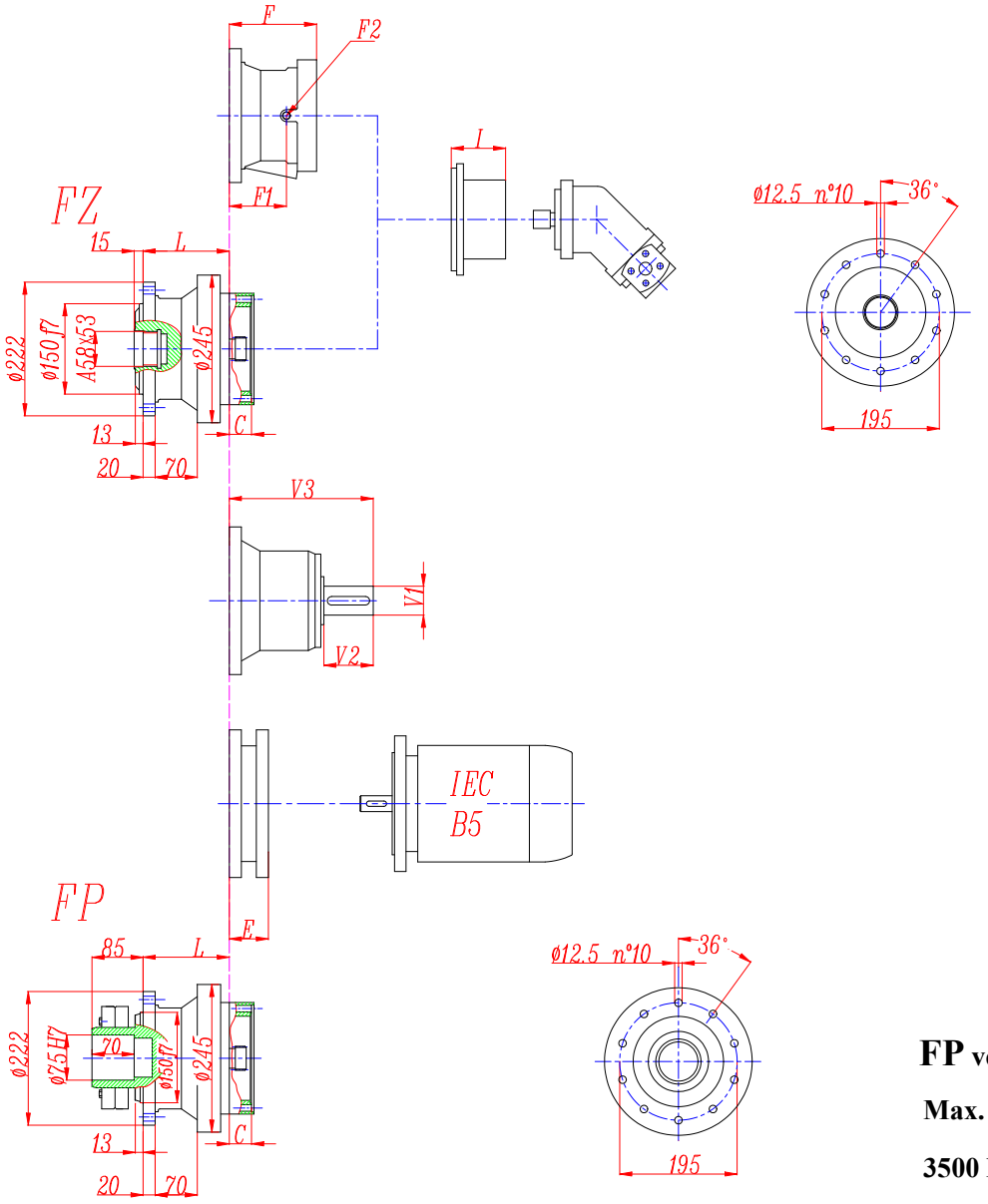
	I	Mn_2 (N.m)						P_1	P_t(KW) (ta=20℃)	n_1	n_{1max}	M_b	Brake type
	1:	n_2.h 10000	n_2.h 25000	n_2.h 50000	n_2.h 100000	n_2.h 500000	n_2.h 1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
R2	9.4	2 900	2 750	2 650	2 600	2 150	1 750	35	18	1 750	3 500	400	4K
	10.8	2 900	2 750	2 650	2 600	2 150	1 750	35	18	1 750	3 500	400	4K
	12.8	2 800	2 450	2 200	2 200	2 100	1 700	27	18	1 750	3 500	330	4H
	14.3	2 300	2 000	1 800	1 800	1 750	1 400	18.9	18	1 750	3 500	260	4F
	17.5	2 000	1 750	1 650	1 650	1 650	1 500	14.3	18	1 750	3 500	160	4D
R3	25.4	2 900	2 750	2 650	2 600	2 150	1 750	14.3	14	1 750	3 500	160	4D
	29.1	2 900	2 750	2 650	2 600	2 150	1 750	15.3	14	1 750	3 500	160	4D
	38.3	2 900	2 750	2 650	2 600	2 150	1 750	12.4	14	1 750	3 500	100	4B
	49.7	2 900	2 750	2 650	2 600	2 150	1 750	8.7	14	1 750	3 500	100	4B
	51.7	2 900	2 750	2 650	2 600	2 150	1 750	9.2	14	1 750	3 500	100	4B
	51.9	2 800	2 450	2 200	2 200	2 100	1 700	6.8	14	1 750	3 500	100	4B
	59.1	2 800	2 450	2 200	2 200	2 100	1 700	4.8	14	1 750	3 500	100	4B
	61.5	2 800	2 450	2 200	2 200	2 100	1 700	5.6	14	1 750	3 500	100	4B
	65.9	2 300	2 000	1 800	1 800	1 750	1 400	4.5	14	1 750	3 500	50	4A
	82.3	2 300	2 000	1 800	1 800	1 750	1 400	3.7	14	1 750	3 500	50	4A
	101	2 000	1 750	1 650	1 650	1 650	1 500	3	14	1 750	3 500	50	4A
R4	98.6	2 900	2 750	2 650	2 600	2 150	1 750	4	12	1 750	3 500	50	4A
	113	2 900	2 750	2 650	2 600	2 000	1 650	3.6	12	1 750	3 500	50	4A
	130	2 900	2 750	2 650	2 600	2 150	1 750	3.2	12	1 750	3 500	50	4A
	147	2 900	2 750	2 650	2 600	2 000	1 650	2.9	12	1 750	3 500	50	4A
	168	2 900	2 750	2 650	2 600	2 150	1 750	2.6	12	1 750	3 500	50	4A
	221	2 900	2 750	2 650	2 600	2 000	1 650	2	12	1 750	3 500	50	4A
	287	2 900	2 750	2 650	2 600	2 150	1 750	1.6	12	1 750	3 500	50	4A
	358	2 900	2 750	2 650	2 600	2 000	1 650	1.3	12	1 750	3 500	50	4A
	426	2 800	2 450	2 200	2 200	2 100	1 700	0.9	12	1 750	3 500	50	4A
	531	2 300	2 000	1 800	1 800	1 750	1 400	0.6	12	1 750	3 500	50	4A
	725	2 000	1 750	1 650	1 650	1 650	1 500	0.43	12	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP303L


MC
105
15
ø60h6
13
MZ
L
68
15
ø222
ø150f7
B58x53
ø245
C
13
20
70
F
F2
F1
I
V3
V1
V2
ø12.5 n°10
36°
195
HC
105
15
ø60h6
13
HZ
L
68
15
ø222
ø150f7
B58x53
ø245
C
13
20
91
IEC
B5
E
PC
68
B58x53
39
105
L
ø60
39
C
169
33
235
28.2
160
25
198
254
310
ø18 n°4

MSEP303L



FP version

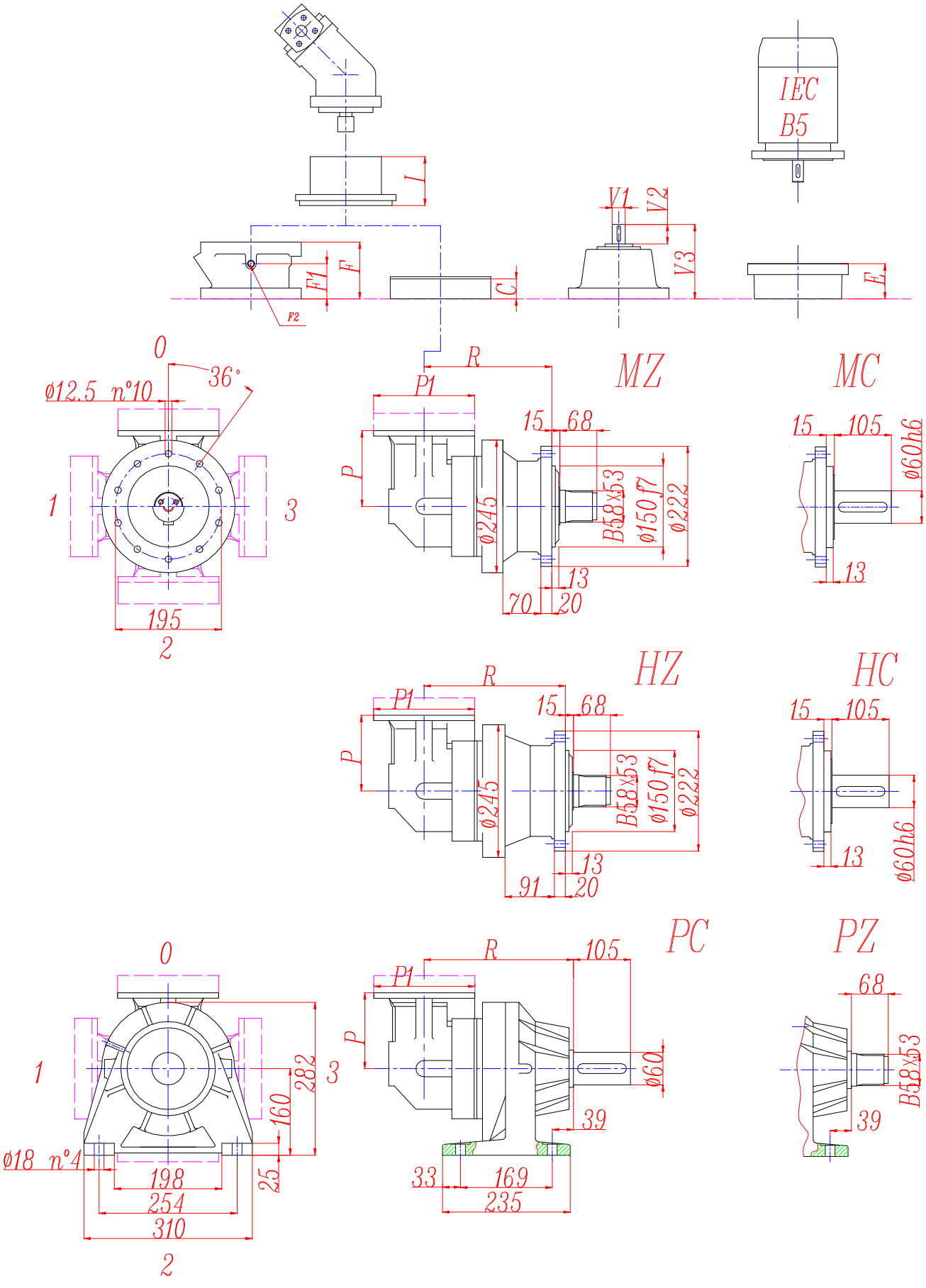
Max. transmissible

3500 N.m

	L				Ref. weight (without input) (Kg)				C	I	Brake				
	MZ MC	FZ FP	HZ HC	PC PZ	MZ MC	FZ FP	HZ HC	PC PZ			F	F1	F2	Type	Ref. Weight
303L1	130	130	150	165	33	33	35	37	37	According to hydraulic motor	142	88	1/4 G	5	38 Kg
303L2	183	183	203	218	41	41	43	45	37		105	65	1/4 G	4	18 Kg
303L3	236	236	256	271	49	49	51	53	37		105	65	1/4 G	4	
303L4	289	289	309	324	57	57	59	61	37		105	65	1/4 G	4	

	E (IEC motor input)											
			IEC71	IEC80	IEC90	IEC100	IEC112	IEC132	IEC160	IEC180	IEC200	IEC225
303L1								120	153	153	153	186
303L2			77	97	97	107	107	120	153	153		
303L3			77	97	97	107	107	120	153	153		
303L4			77	97	97	107	107	120	153	153		

MSEP303R


IEC
B5
V1
V2
V3
I
F
F1
F2
C
E
0
36°
ø12.5 n°10
1
2
3
195
MZ
R
P1
P
15
68
ø245
B58x53
ø150 f7
ø222
13
70
20
MC
15
105
ø60h6
13
HZ
R
P1
P
15
68
ø245
B58x53
ø150 f7
ø222
13
91
20
HC
15
105
13
ø60h6
PC
R
105
P1
P
ø60
39
33
169
235
PZ
68
B58x53
39
0
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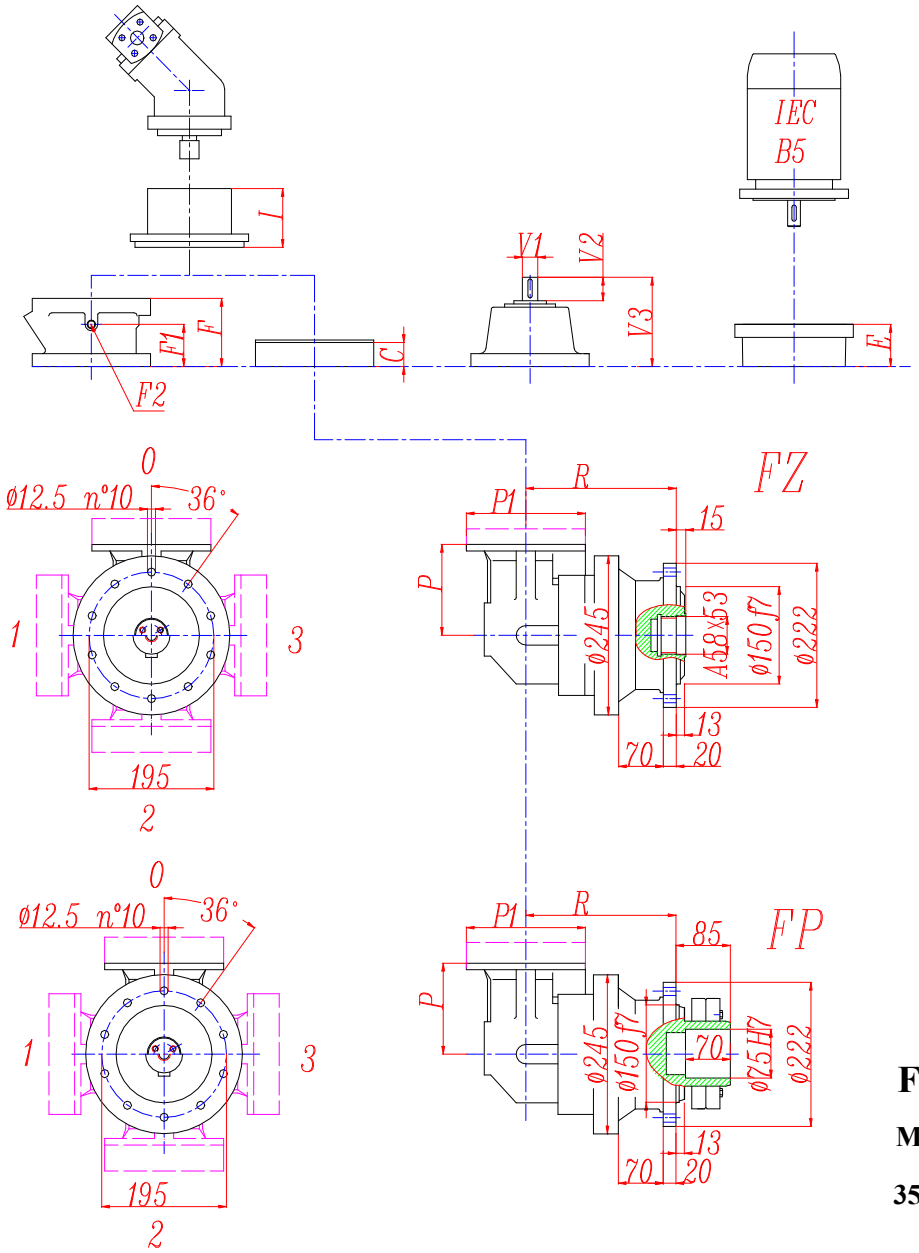
2
3
282
160
25
ø18 n°4
198
254
310

MSEP303R



FP version

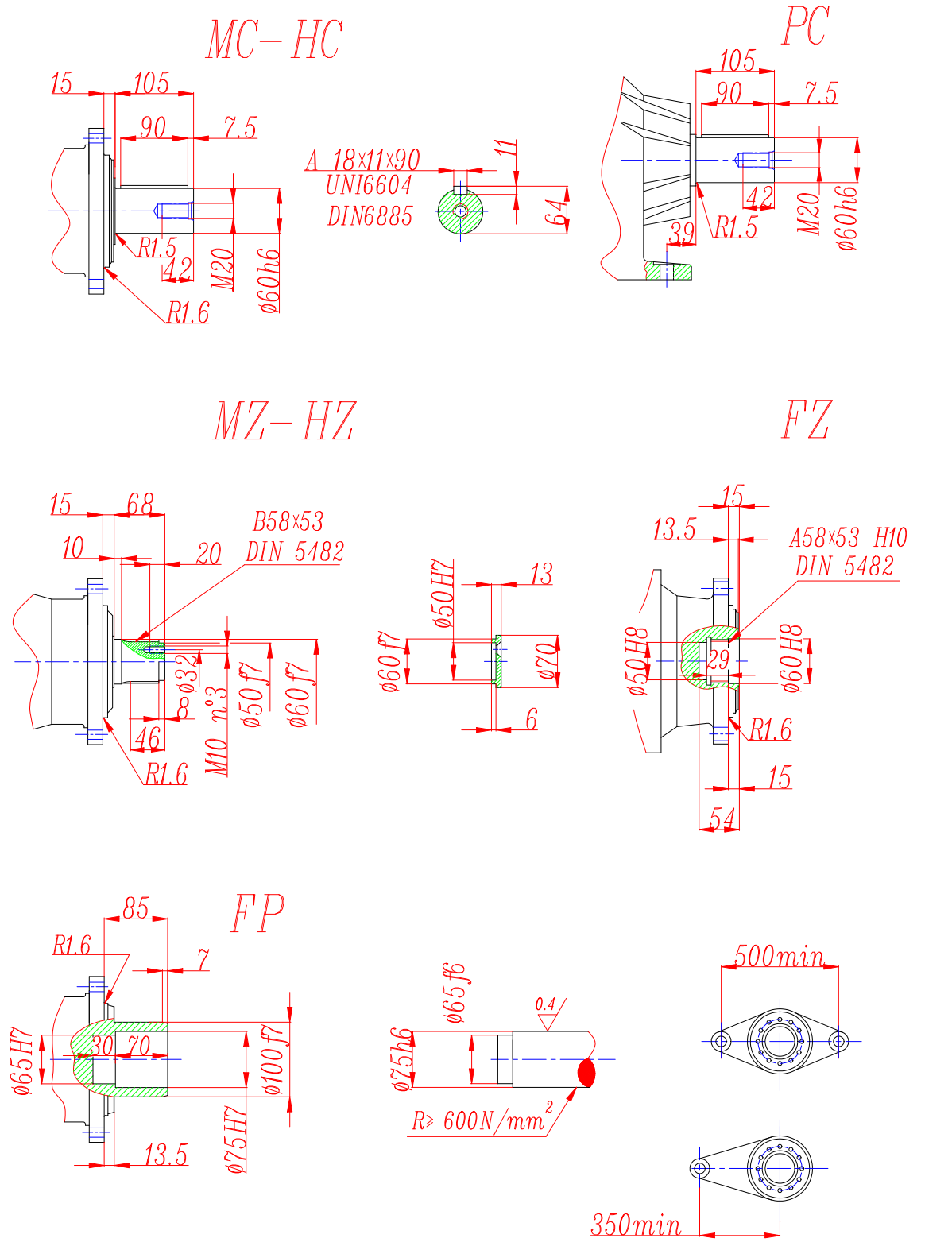
Max. transmissible

3500 N.m

	R				Ref. weight (without input) (Kg)				C	P	I	Brake				
	MZ MC	FZ FP	HZ HC	PC PZ	MZ MC	FZ FP	HZ HC	PC PZ				F	F1	F2	Type	Ref. Weight
303R2	237	237	257	272	69	69	71	83	37	149	According to hydraulic motor	105	65	1/4 G	4	18 Kg
303R3	290	290	310	325	55	55	57	69	37	122		105	65	1/4 G	4	
303R4	343	343	363	378	63	63	65	77	37	122		105	65	1/4 G	4	

	P1	E (IEC motor input)						
		IEC71	IEC80	IEC90	IEC100	IEC112	IEC132	IEC160
303R2	186	77	97	97	107	107	120	153
303R3	186	77	97	97	107	107	120	153
303R4	186	77	97	97	107	107	120	153

MSEP303L - MSEP303R

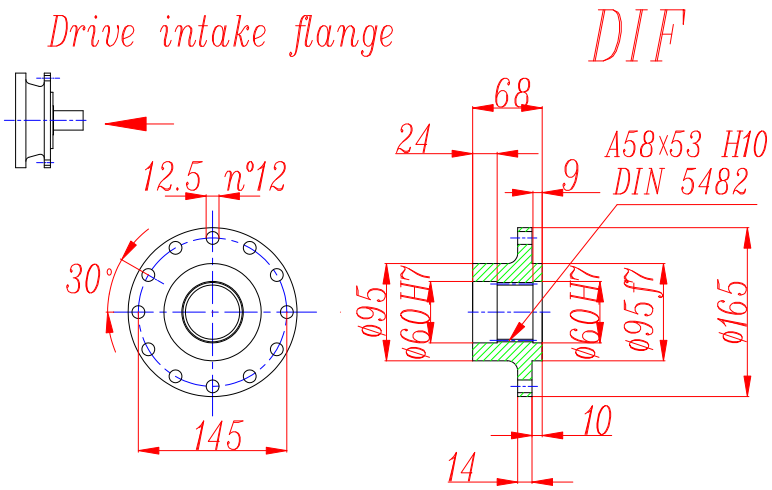


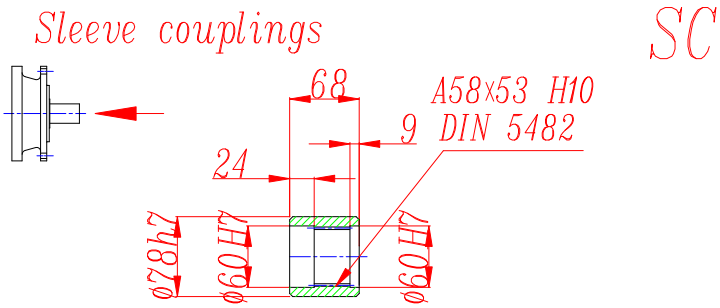
FP version

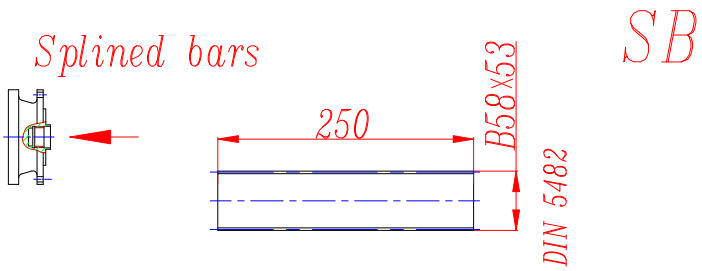
Max. transmissible

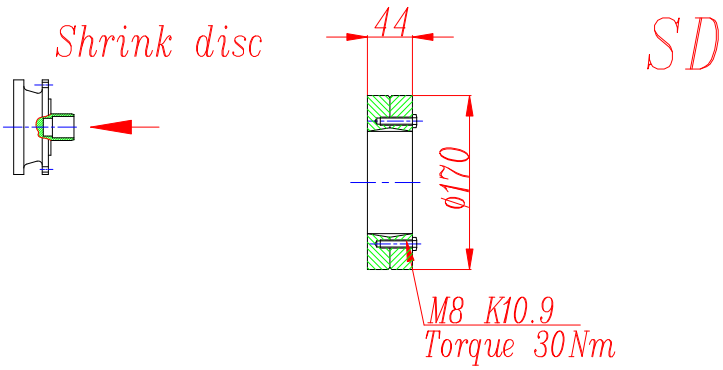
3500 N.m

MSEP303L - MSEP303R

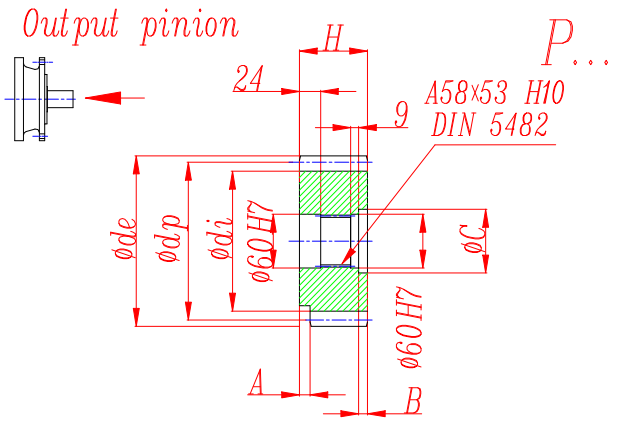




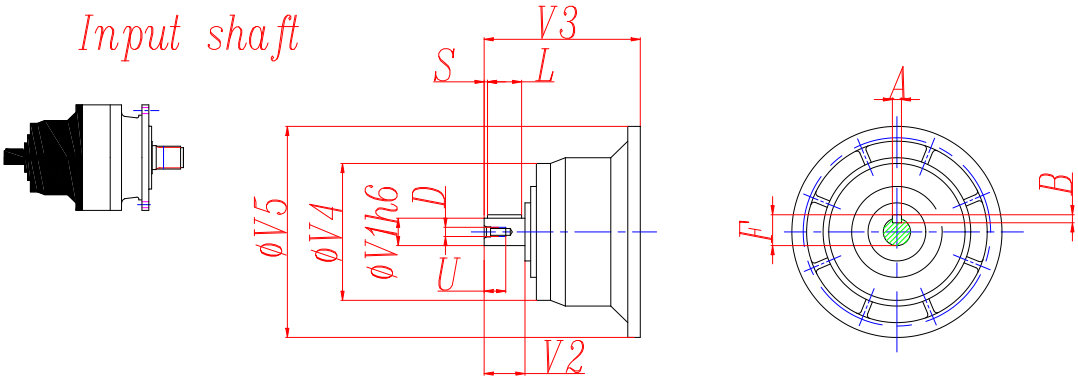




MSEP303L - MSEP303R



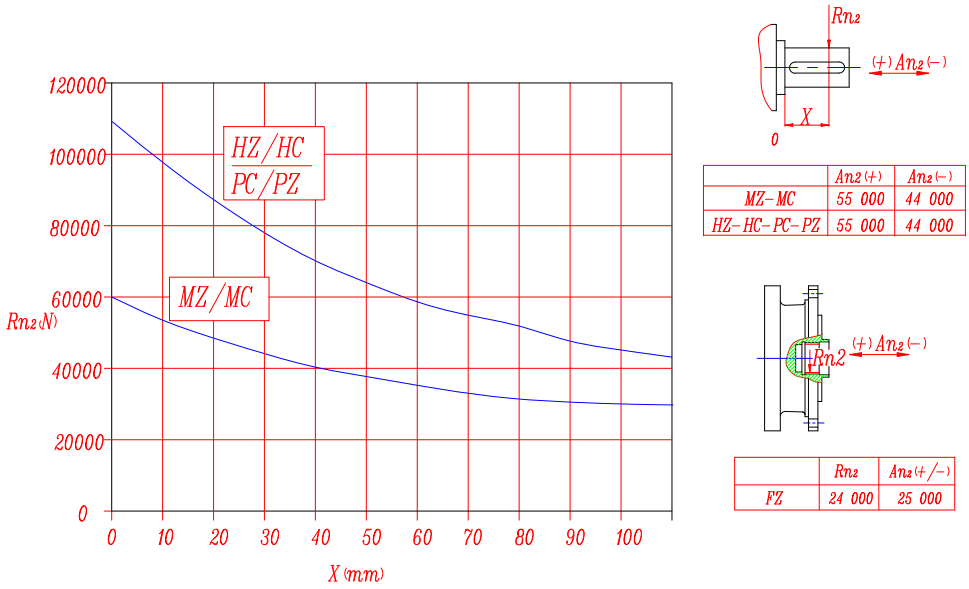
	m	z	x	dp	di	de	H	A	B	C
PCL1	5	19	0	95	82	104	77	12	9	72
PCL2	5	19	0	95	82	104	68	0	0	0
PCM	5	20	0	100	87.5	110	68	18	0	0
PCP	5	22	0	110	97.5	120	68	18	0	0
PDE	6	14	0.5000	84	75	99.6	68	0	0	0
PDI	6	18	0.5000	108	99	123.6	68	0	0	0
PDM	6	20	0.833	120	115	140	68	0	0	0
PFD	8	13	0.675	104	95	127.6	68	0	0	0
PFE1	8	14	0	112	92	126	68	0	0	0
PFE2	8	14	0	112	92	126	80	0	12	72
PFE	8	15	0	120	100	136	68	0	0	0
PFP	8	22	0	176	156	190	77	12	10	71
PHG	10	16	0.5000	160	145	188	75	0	7	72



	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
303L1	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
303L2	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
303L3	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
303L4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
303R2-R3-R4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28

MSEP303L - MSEP303R

Permissible radial and axial loads on output shaft with Fh2 (n2 • h=10 000)

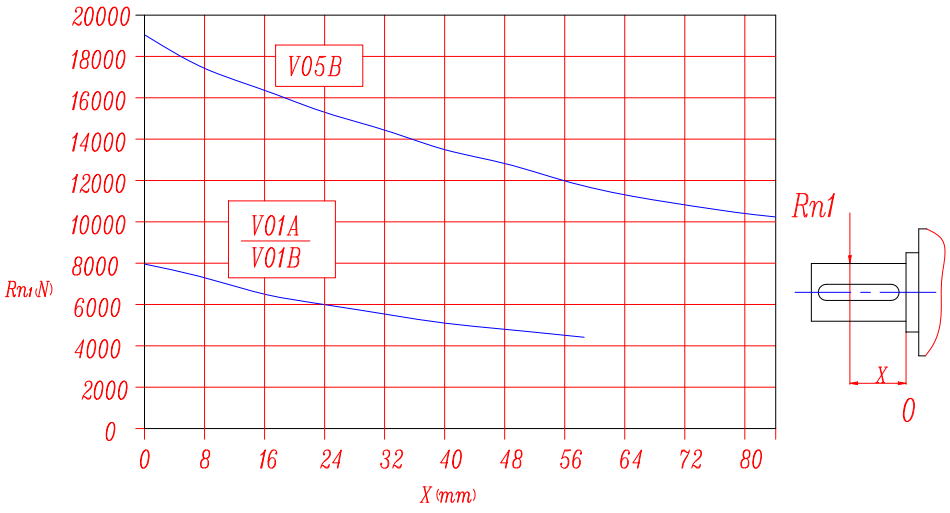


	An2 (+)	An2 (−)
MZ-MC	55 000	44 000
HZ-HC-PC-PZ	55 000	44 000

	Rn2	An2 (+/−)
FZ	24 000	25 000

Load corrective factor fh2 on shafts	fh2= n2 • h		10 000	25 000	50 000	100 000	500 000	1 000 000
	fh2	MZ-MC-FZ	1	0.74	0.58	0.46	0.27	0.21
		HZ-HC-PZ-PC	1	0.76	0.61	0.50	0.31	0.25

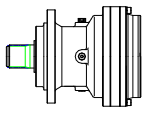
Permissible radial loads on input shaft with Fh1 (n1 • h=250 000)



Load corrective factor fh1 on shafts	Fh1= n1 • h	250 000	500 000	1 000 000	2 00 000	5 000 000	10 000 000
	fh1	1	0.79	0.63	0.50	0.37	0.29

MSEP305L

M2'=5000N.m

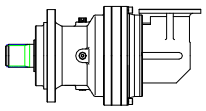


	I	Mn2 (N.m)						P1	Pt(KW)	n1	n1max	Mb	Brake type
		n2.h	n2.h	n2.h	n2.h	n2.h	n2.h		(ta=20℃)				
	1:	10000	25000	50000	100000	500000	1000000	(KW)	(n1=1500)	(min-1)	(min-1)	(N.m)	制动器
L1	3.7	5 800	5 500	5 300	5 200	3 700	3 000	60	13	1 750	3 500	1 000	5K
	4.2	5 800	5 500	5 300	5 200	3 700	3 000	60	13	1 750	3 500	1 000	5K
	5	5 600	5 100	4 400	4 400	3 600	2 950	60	13	1 750	3 500	1 000	5K
	5.6	4 600	3 950	3 600	3 600	3 500	2 900	60	13	1 750	3 500	1 000	5K
	6.8	3 800	3 300	3 100	3 100	3 000	2 400	50	13	1 750	3 500	800	5G
L2	12.4	5 800	5 500	5 300	5 200	3 700	3 000	30	9	1 750	3 500	440	4L
	14.2	5 800	5 500	5 300	5 200	3 700	3 000	30	9	1 750	3 500	440	4L
	18.7	5 800	5 500	5 300	5 200	3 700	3 000	25	9	1 750	3 500	400	4K
	24.2	5 800	5 500	5 300	5 200	3 700	3 000	22	9	1 750	3 500	260	4F
	25.2	5 800	5 500	5 300	5 200	3 700	3 000	22	9	1 750	3 500	260	4F
	28.9	5 600	5 100	4 400	4 400	3 600	2 950	20	9	1 750	3 500	260	4F
	30	5 600	5 100	4 400	4 400	3 600	2 950	19.5	9	1 750	3 500	260	4F
	32.1	4 600	3 950	3 600	3 600	3 500	2 900	18	9	1 750	3 500	260	4F
	40.1	4 600	3 950	3 600	3 600	3 500	2 900	15	9	1 750	3 500	160	4D
	49.1	3 800	3 300	3 100	3 100	3 000	2 400	10	9	1 750	3 500	100	4B
L3	48.1	5 800	5 500	5 300	5 200	3 700	3 000	12	7.5	1 750	3 500	160	4D
	55.2	5 800	5 500	5 300	5 200	3 700	3 000	10	7.5	1 750	3 500	100	4B
	63.2	5 800	5 500	5 300	5 200	3 700	3 000	9	7.5	1 750	3 500	100	4B
	71.6	5 800	5 500	5 300	5 200	3 700	3 000	9	7.5	1 750	3 500	100	4B
	82	5 800	5 500	5 300	5 200	3 700	3 000	9	7.5	1 750	3 500	100	4B
	108	5 800	5 500	5 300	5 200	3 700	3 000	7	7.5	1 750	3 500	100	4B
	140	5 800	5 500	5 300	5 200	3 700	3 000	6.2	7.5	1 750	3 500	100	4B
	174	5 800	5 500	5 300	5 200	3 700	3 000	5	7.5	1 750	3 500	50	4A
	208	5 600	5 100	4 400	4 400	3 600	2 950	3.8	7.5	1 750	3 500	50	4A
	259	4 600	3 950	3 600	3 600	3 500	2 900	2.4	7.5	1 750	3 500	50	4A
	354	3 800	3 300	3 100	3 100	3 000	2 400	1.5	7.5	1 750	3 500	50	4A
L4	318	5 800	5 500	5 300	5 200	3 700	3 000	2.9	6	1 750	3 500	50	4A
	365	5 800	5 500	5 300	5 200	3 700	3 000	2.6	6	1 750	3 500	50	4A
	413	5 800	5 500	5 300	5 200	3 700	3 000	2.3	6	1 750	3 500	50	4A
	473	5 800	5 500	5 300	5 200	3 700	3 000	2	6	1 750	3 500	50	4A
	621	5 800	5 500	5 300	5 200	3 700	3 000	1.5	6	1 750	3 500	50	4A
	745	5 800	5 500	5 300	5 200	3 700	3 000	1.3	6	1 750	3 500	50	4A
	806	5 800	5 500	5 300	5 200	3 700	3 000	1.2	6	1 750	3 500	50	4A
	1007	5 800	5 500	5 300	5 200	3 700	3 000	1	6	1 750	3 500	50	4A
	1256	5 800	5 500	5 300	5 200	3 700	3 000	0.7	6	1 750	3 500	50	4A
	1495	5 600	5 100	4 400	4 400	3 600	2 950	0.55	6	1 750	3 500	50	4A
	1866	4 600	3 950	3 600	3 600	3 500	2 900	0.37	6	1 750	3 500	50	4A
	2545	3 800	3 300	3 100	3 100	3 000	2 400	0.25	6	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP305R

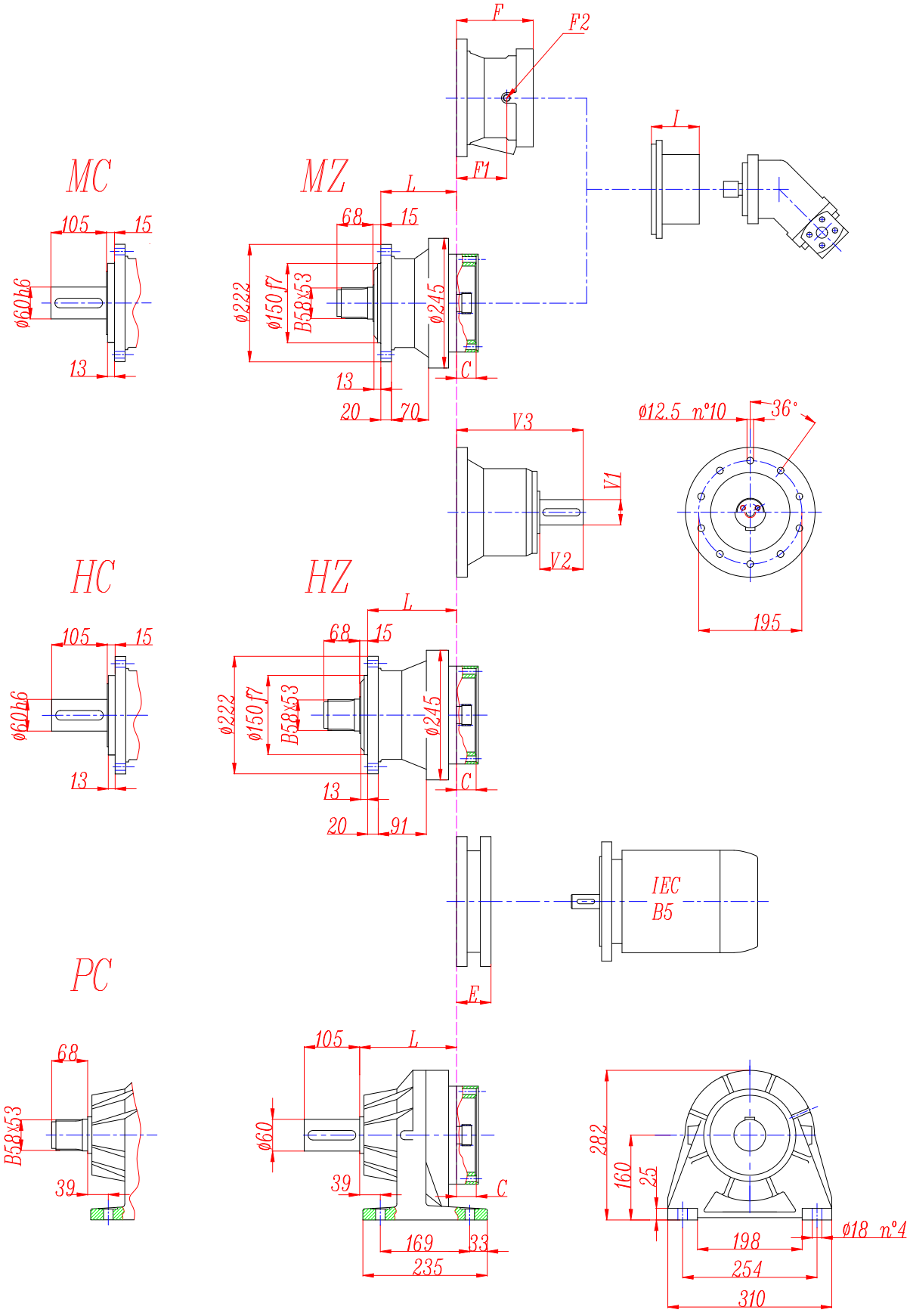
M2'=5000N.m



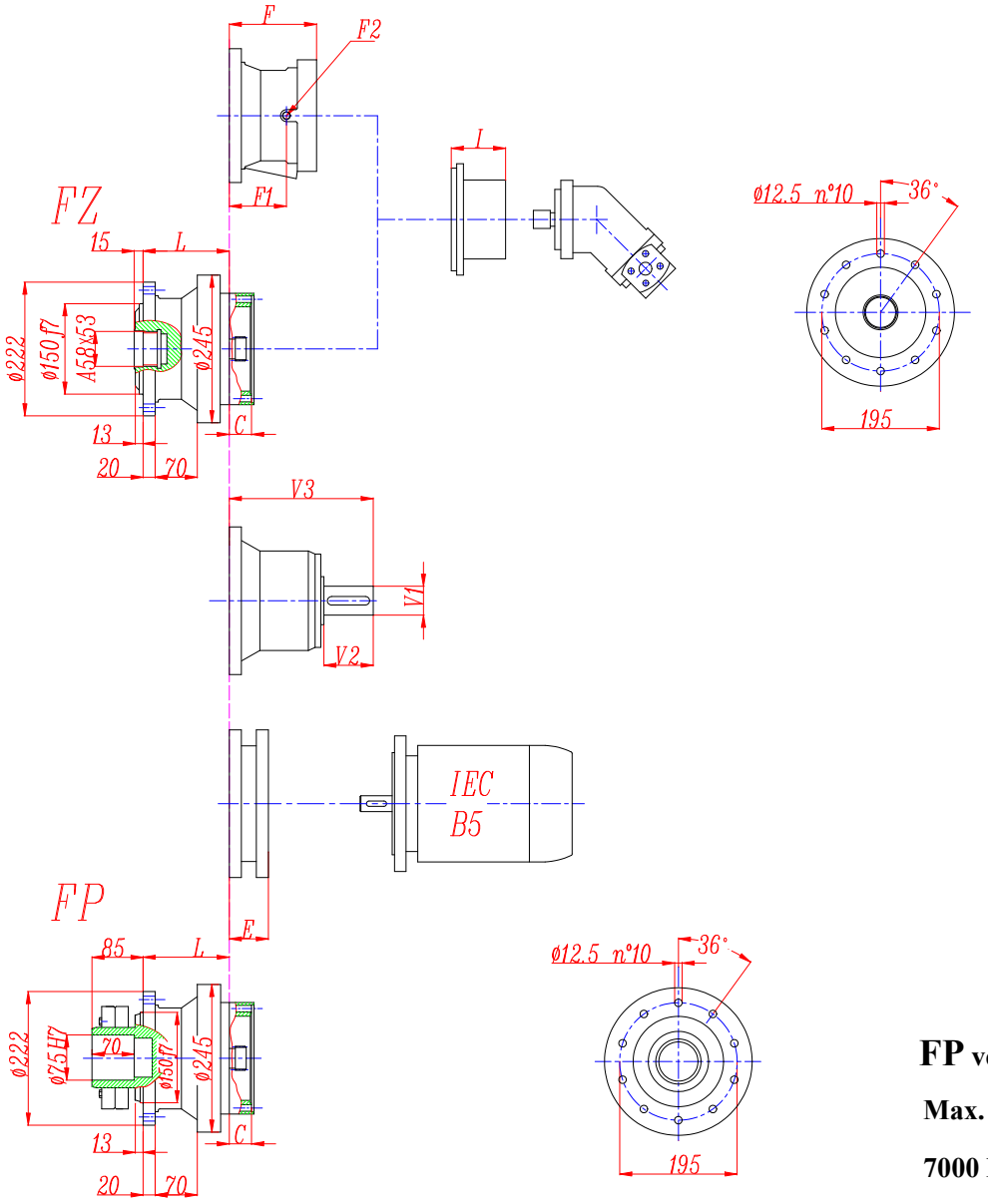
	I	Mn_2 (N.m)						P_1	P_t(KW) (ta=20℃)	n_1	n_{1max}	M_b	Brake type 制动器
	1:	n_2.h 10000	n_2.h 25000	n_2.h 50000	n_2.h 100000	n_2.h 500000	n_2.h 1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	
R2	9.4	4 600	4 000	3 500	3 200	2 000	1 600	35	18	1 750	3 500	440	4L
	10.8	5 000	4 600	4 100	3 500	2 100	1 700	35	18	1 750	3 500	440	4L
	12.8	5 300	4 900	4 400	4 200	2 600	2 100	27	18	1 750	3 500	440	4L
	14.3	4 600	3 950	3 600	3 600	3 500	2 900	18.9	18	1 750	3 500	330	4H
	17.5	3 800	3 300	3 100	3 100	3 000	2 400	14.3	18	1 750	3 500	260	4F
R3	25.4	5 000	4 600	4 100	3 500	2 100	1 700	13	14	1 750	3 500	260	4F
	29.1	5 300	4 900	4 400	4 200	2 600	2 100	15	14	1 750	3 500	260	4F
	38.3	5 800	5 500	5 300	5 200	3 700	3 000	14	14	1 750	3 500	260	4F
	49.7	5 800	5 500	5 300	5 200	3 700	3 000	12	14	1 750	3 500	160	4D
	51.4	5 800	5 500	5 300	5 200	3 700	3 000	12	14	1 750	3 500	160	4D
	59.1	5 600	5 100	4 400	4 400	3 600	2 950	10	14	1 750	3 500	160	4D
	61.5	5 600	5 100	4 400	4 400	3 600	2 950	10	14	1 750	3 500	100	4B
	65.9	4 600	3 950	3 600	3 600	3 500	2 900	9	14	1 750	3 500	100	4B
	82.2	4 600	3 950	3 600	3 600	3 500	2 900	7	14	1 750	3 500	100	4B
	101	3 800	3 300	3 100	3 100	3 000	2 400	5.3	14	1 750	3 500	50	4A
R4	98.6	5 800	5 500	5 300	5 200	3 700	3 000	7	12	1 750	3 500	100	4B
	113	5 800	5 500	5 300	5 200	3 700	3 000	6.1	12	1 750	3 500	100	4B
	130	5 800	5 500	5 300	5 200	3 700	3 000	5.5	12	1 750	3 500	50	4A
	147	5 800	5 500	5 300	5 200	3 700	3 000	5	12	1 750	3 500	50	4A
	168	5 800	5 500	5 300	5 200	3 700	3 000	4.5	12	1 750	3 500	50	4A
	221	5 800	5 500	5 300	5 200	3 700	3 000	4	12	1 750	3 500	50	4A
	287	5 800	5 500	5 300	5 200	3 700	3 000	3.3	12	1 750	3 500	50	4A
	358	5 800	5 500	5 300	5 200	3 700	3 000	2.6	12	1 750	3 500	50	4A
	426	5 600	5 100	4 400	4 400	3 600	2 950	1.9	12	1 750	3 500	50	4A
	531	4 600	3 950	3 600	3 600	3 500	2 900	1.2	12	1 750	3 500	50	4A
	725	3 800	3 300	3 100	3 100	3 000	2 400	0.75	12	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP305L


F
F2
F1
I
MC
MZ
L
105
15
68
15
ø60h6
ø222
ø150f7
B58x53
ø245
13
C
13
20
70
V3
V1
V2
ø12.5 n°10
36°
195
HC
HZ
L
105
15
68
15
ø60h6
ø222
ø150f7
B58x53
ø245
13
C
13
20
91
IEC
B5
E
PC
68
105
L
B58x53
ø60
39
39
C
169
33
235
28.2
160
25
198
254
310
ø18 n°4

MSEP305L



FP version

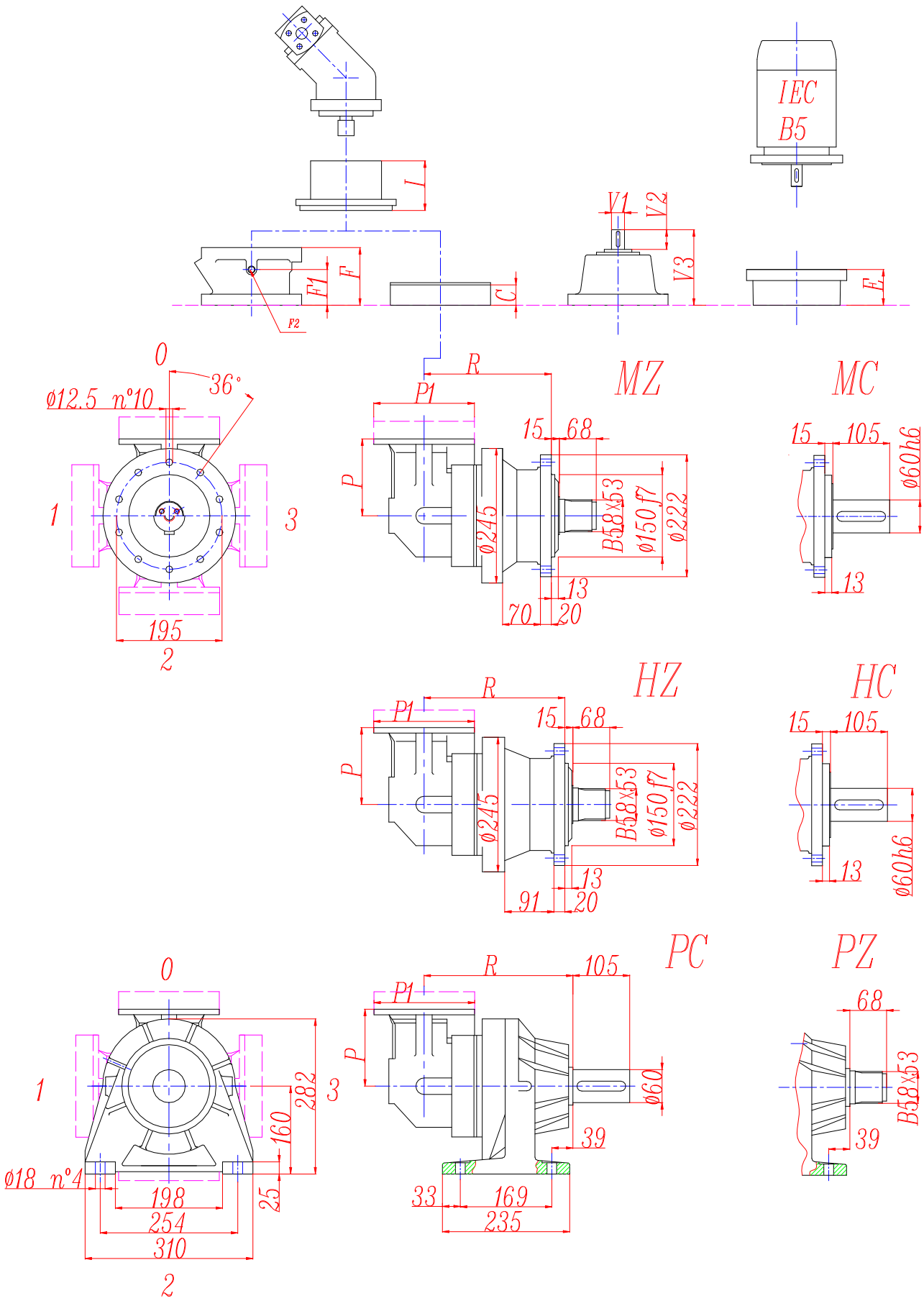
Max. transmissible

7000 N.m

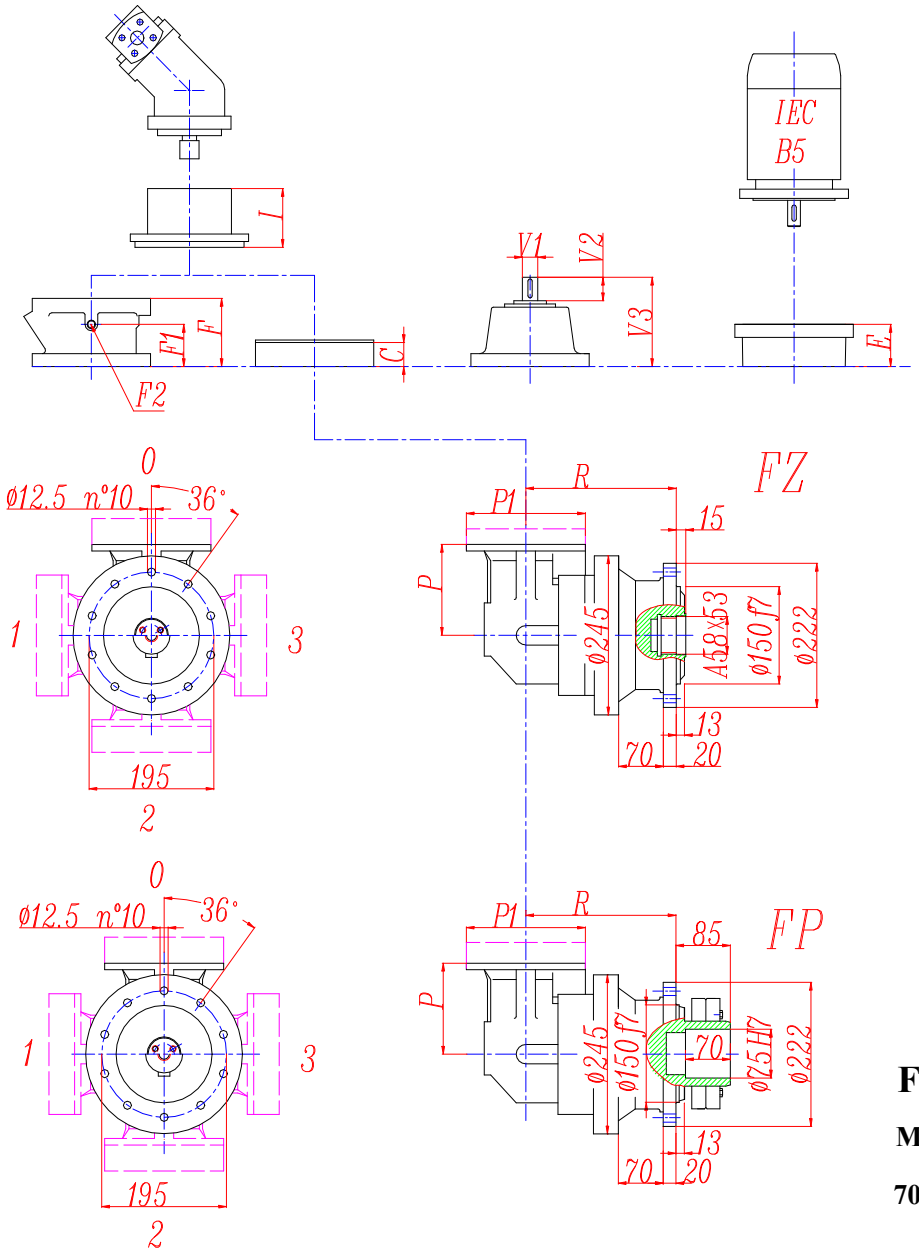
	L				Ref. weight (without input) (Kg)				C	I	Brake				
	MZ MC	FZ FP	HZ HC	PC PZ	MZ MC	FZ FP	HZ HC	PC PZ			F	F1	F2	Type	Ref. Weight
305L1	148	148	168	183	38	38	40	52	37	According to hydraulic motor	142	88	1/4 G	5	38 Kg
305L2	213	213	233	248	47	47	49	61	37		105	65	1/4 G	4	18 Kg
305L3	266	266	286	301	55	55	57	69	37		105	65	1/4 G	4	
305L4	319	319	339	354	63	63	65	77	37		105	65	1/4 G	4	

	E (IEC motor input)											
			IEC71	IEC80	IEC90	IEC100	IEC112	IEC132	IEC160	IEC180	IEC200	IEC225
305L1								120	153	153	153	186
305L2			77	97	97	107	107	120	153	153		
305L3			77	97	97	107	107	120	153	153		
305L4			77	97	97	107	107	120	153	153		

MSEP305R


IEC
B5
L
V1
V2
V3
F
F1
F2
C
E
0
36°
ø12.5 n°10
1
2
3
195
MZ
R
P1
P
15
68
ø245
B58x53
ø150 f7
ø222
13
70
20
MC
15
105
ø60h6
13
HZ
R
P1
P
15
68
ø245
B58x53
ø150 f7
ø222
13
91
20
HC
15
105
13
ø60h6
PC
R
105
P1
P
ø60
39
33
169
235
PZ
68
B58x53
39
0
1
2
3
282
160
25
ø18 n°4
198
254
310

MSEP305R



FP version

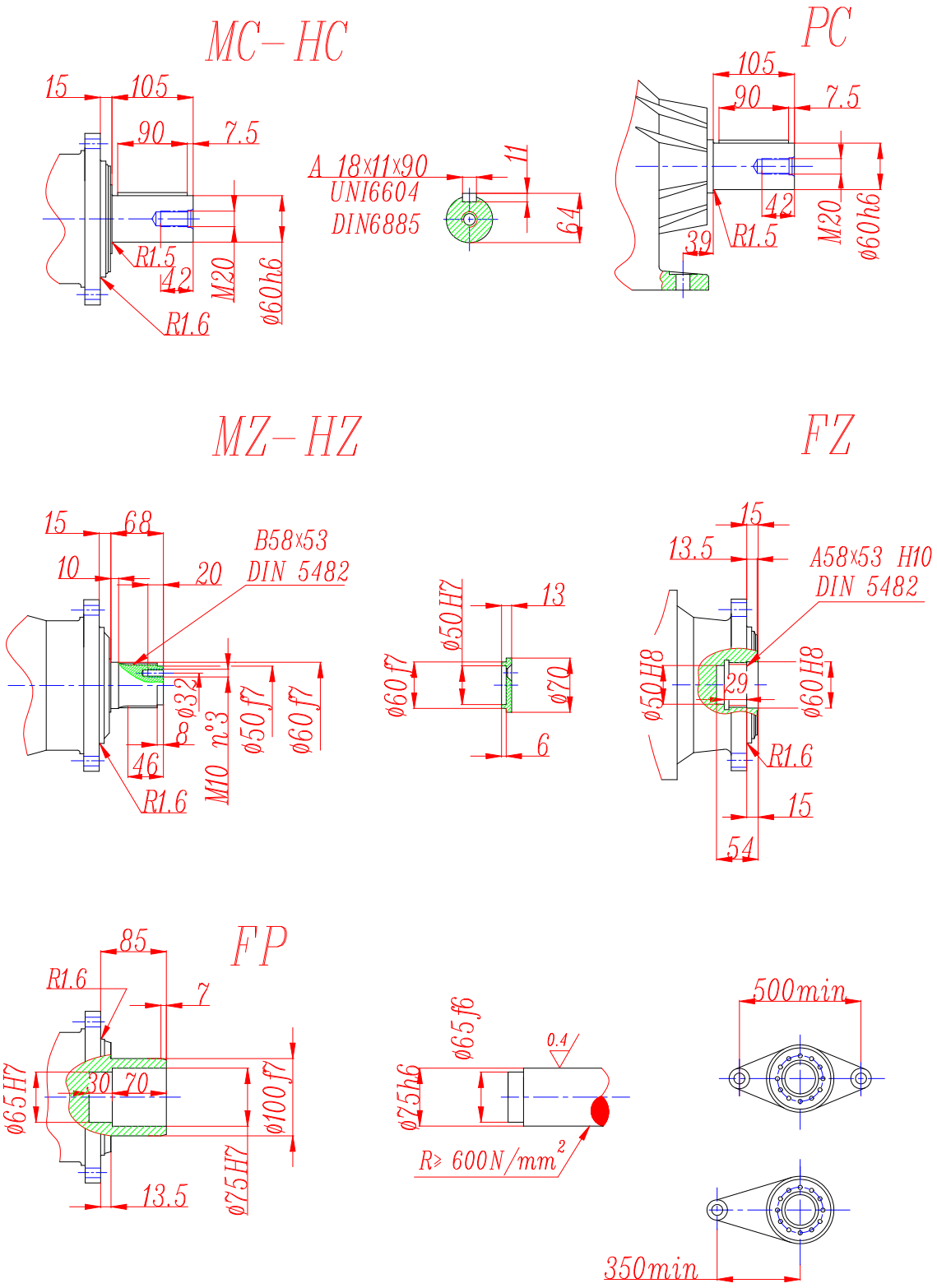
Max. transmissible

7000 N.m

	R				Ref. weight (without input) (Kg)				C	P	I	Brake				
	MZ MC	FZ FP	HZ HC	PC PZ	MZ MC	FZ FP	HZ HC	PC PZ				F	F1	F2	Type	Ref. Weight
305R2	255	255	275	290	74	74	76	88	37	149	According to hydraulic motor	105	65	1/4 G	4	18 Kg
305R3	291	291	301	316	61	61	63	75	37	122		105	65	1/4 G	4	
305R4	344	344	364	379	69	69	71	83	37	122		105	65	1/4 G	4	

	P1	E (IEC motor input)						
		IEC71	IEC80	IEC90	IEC100	IEC112	IEC132	
305R2	186	77	97	97	107	107	120	
305R3	186	77	97	97	107	107	120	
305R4	186	77	97	97	107	107	120	

MSEP305L - MSEP305R

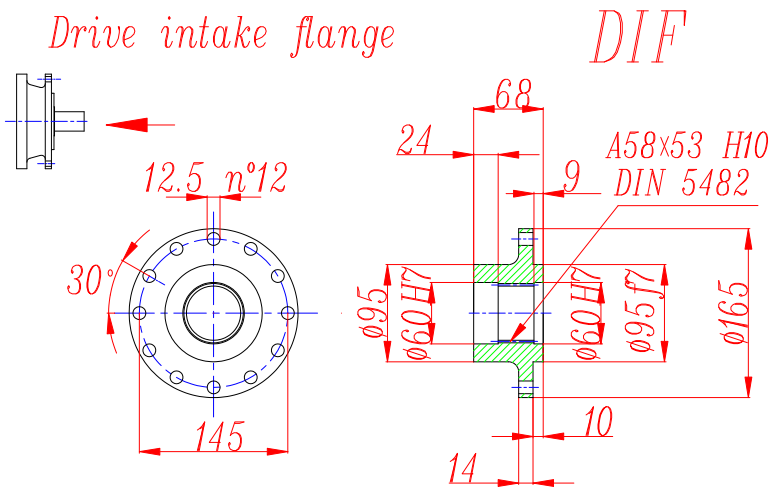


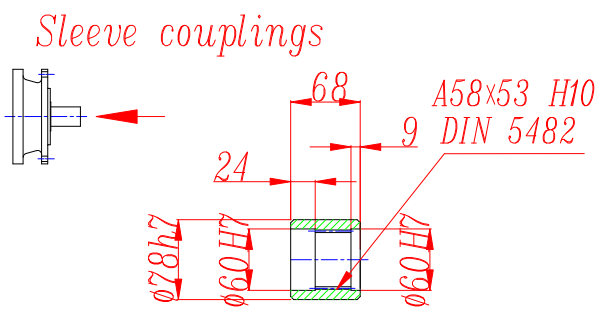
FP version

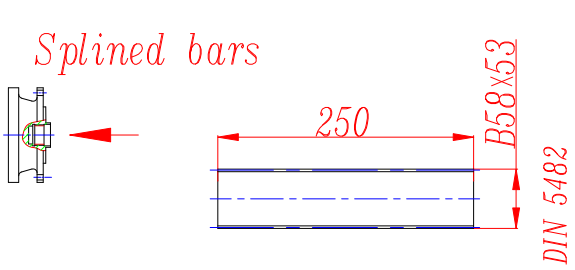
Max. transmissible

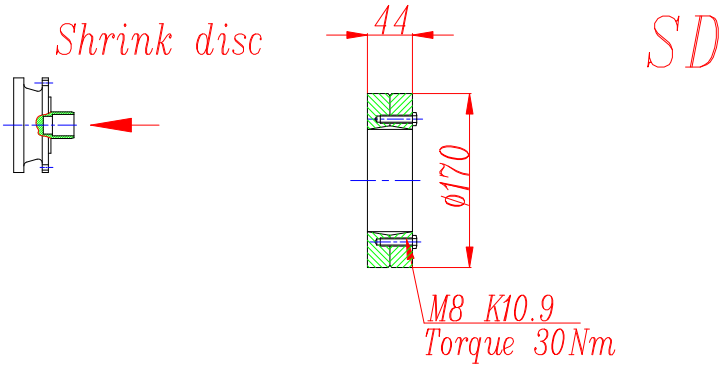
7000 N.m

MSEP305L - MSEP305R

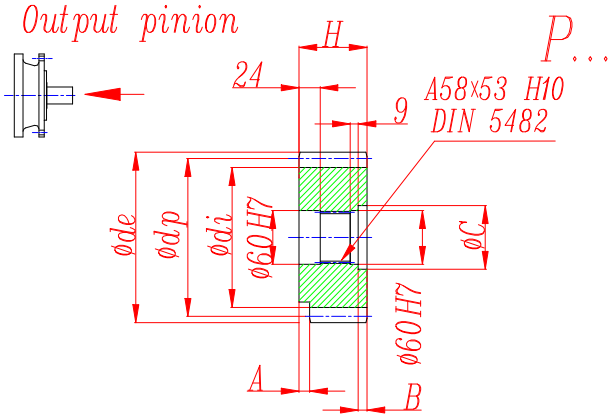




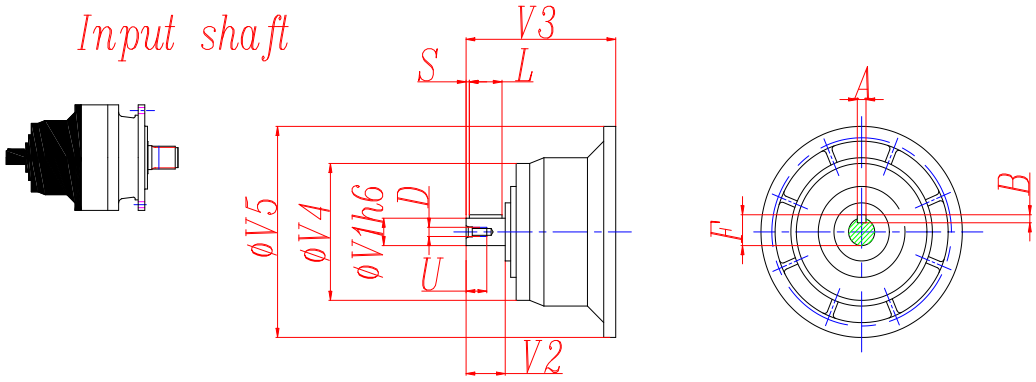




MSEP305L - MSEP305R



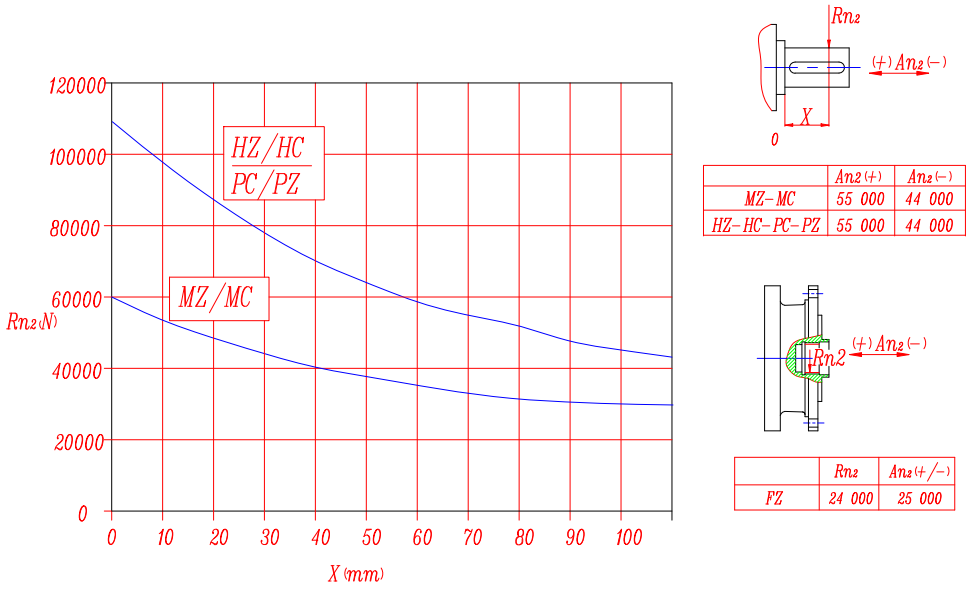
	m	z	x	dp	di	de	H	A	B	C
PCL1	5	19	0	95	82	104	77	12	9	72
PCL2	5	19	0	95	82	104	68	0	0	0
PCM	5	20	0	100	87.5	110	68	18	0	0
PCP	5	22	0	110	97.5	120	68	18	0	0
PDE	6	14	0.5000	84	75	99.6	68	0	0	0
PDI	6	18	0.5000	108	99	123.6	68	0	0	0
PDM	6	20	0.833	120	115	140	68	0	0	0
PFD	8	13	0.675	104	95	127.6	68	0	0	0
PFE1	8	14	0	112	92	126	68	0	0	0
PFE2	8	14	0	112	92	126	80	0	12	72
PFE	8	15	0	120	100	136	68	0	0	0
PFP	8	22	0	176	156	190	77	12	10	71
PHG	10	16	0.5000	160	145	188	75	0	7	72



	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
305L1	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
305L2	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
305L3	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
305L4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
305R2-R3-R4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28

MSEP305L - MSEP305R

Permissible radial and axial loads on output shaft with Fh2 (n2 • h=10 000)

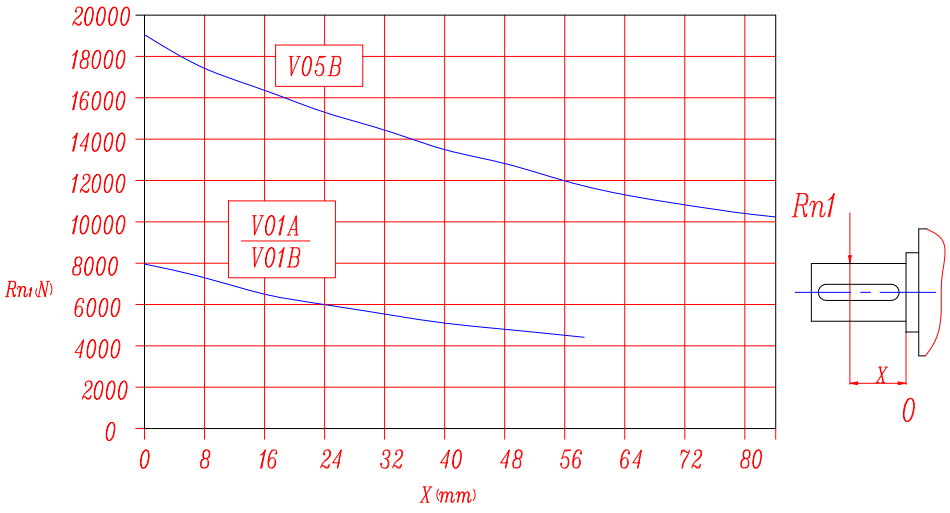


	An2 (+)	An2 (−)
MZ-MC	55 000	44 000
HZ-HC-PC-PZ	55 000	44 000

	Rn2	An2 (+/−)
FZ	24 000	25 000

Load corrective factor fh2 on shafts	fh2= n2 • h		10 000	25 000	50 000	100 000	500 000	1 000 000
	fh2	MZ-MC-FZ	1	0.74	0.58	0.46	0.27	0.21
		HZ-HC-PC-PZ	1	0.76	0.61	0.50	0.31	0.25

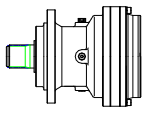
Permissible radial loads on input shaft with Fh1 (n1 • h=250 000)



Load corrective factor fh1 on shafts	Fh1= n1 • h	250 000	500 000	1 000 000	2 00 000	5 000 000	10 000 000
	fh1	1	0.79	0.63	0.50	0.37	0.29

MSEP306L

M2'=8500N.m

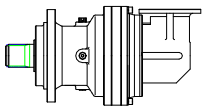


	I	Mn_2 (N.m)						P_1	P_t(KW)	n_1	n_{1max}	M_b	Brake type
		n_2.h	n_2.h	n_2.h	n_2.h	n_2.h	n_2.h		(ta=20℃)				
	1:	10000	25000	50000	100000	500000	1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
L1	3.7	10 000	9 600	9 400	9 300	6 000	4 850	75	18	1 500	3 000	3 200	6L
	4.2	10 000	9 600	9 400	9 300	6 000	4 850	75	18	1 500	3 000	3 200	6L
	4.9	9 500	8 500	7 800	7 800	5 700	4 600	75	18	1 500	3 000	2 600	6K
	5.8	8 500	7 200	6 500	6 500	5 700	4 650	75	18	1 500	3 000	2 100	6G
	7.1	7 000	5 900	5 500	5 500	4 700	3 850	60	18	1 500	3 000	1 500	6E
L2	13.5	10 000	9 600	9 400	9 300	6 000	4 850	40	13	1 750	3 500	1 000	5K
	17.6	10 000	9 600	9 400	9 300	6 000	4 850	40	13	1 750	3 500	1 000	5K
	21	10 000	9 600	9 400	9 300	6 000	4 850	40	13	1 750	3 500	800	5G
	24.7	9 500	8 500	7 800	7 800	5 700	4 600	30	13	1 750	3 500	400	5B
	28.9	8 500	7 200	6 500	6 500	5 700	4 650	26	13	1 750	3 500	400	5B
	32.2	8 500	7 200	6 500	6 500	5 700	4 650	24	13	1 750	3 500	400	5B
	39.5	8 500	7 200	6 500	6 500	5 700	4 650	22	13	1 750	3 500	400	5B
	48.4	7 000	5 900	5 500	5 500	4 700	3 850	16	13	1 750	3 500	400	5B
L3	45.7	10 000	9 600	9 400	9 300	6 000	4 850	21	7.5	1 750	3 500	330	4H
	59.6	10 000	9 600	9 400	9 300	6 000	4 850	16.5	7.5	1 750	3 500	260	4F
	78.2	10 000	9 600	9 400	9 300	6 000	4 850	13	7.5	1 750	3 500	260	4F
	102	10 000	9 600	9 400	9 300	6 000	4 850	11	7.5	1 750	3 500	160	4D
	143	9 500	8 500	7 800	7 800	5 700	4 600	9	7.5	1 750	3 500	160	4D
	167	8 500	7 200	6 500	6 500	5 700	4 650	6.9	7.5	1 750	3 500	100	4B
	186	8 500	7 200	6 500	6 500	5 700	4 650	6.2	7.5	1 750	3 500	100	4B
	232	8 500	7 200	6 500	6 500	5 700	4 650	5.1	7.5	1 750	3 500	100	4B
	284	8 500	7 200	6 500	6 500	5 700	4 650	4.2	7.5	1 750	3 500	50	4A
	348	7 000	5 900	5 500	5 500	4 700	3 850	2.8	7.5	1 750	3 500	50	4A
L4	203	10 000	9 600	9 400	9 300	6 000	4 850	8	6	1 750	3 500	100	4B
	264	10 000	9 600	9 400	9 300	6 000	4 850	6.2	6	1 750	3 500	100	4B
	344	10 000	9 600	9 400	9 300	6 000	4 850	4.9	6	1 750	3 500	50	4A
	451	10 000	9 600	9 400	9 300	6 000	4 850	3.8	6	1 750	3 500	50	4A
	586	10 000	9 600	9 400	9 300	6 000	4 850	2.9	6	1 750	3 500	50	4A
	731	10 000	9 600	9 400	9 300	6 000	4 850	2.4	6	1 750	3 500	50	4A
	822	9 500	8 500	7 800	7 800	5 700	4 600	1.7	6	1 750	3 500	50	4A
	1026	9 500	8 500	7 800	7 800	5 700	4 600	1.4	6	1 750	3 500	50	4A
	1202	8 500	7 200	6 500	6 500	5 700	4 650	1.1	6	1 750	3 500	50	4A
	1339	8 500	7 200	6 500	6 500	5 700	4 650	0.96	6	1 750	3 500	50	4A
	1671	8 500	7 200	6 500	6 500	5 700	4 650	0.8	6	1 750	3 500	50	4A
	2045	8 500	7 200	6 500	6 500	5 700	4 650	0.7	6	1 750	3 500	50	4A
	2506	7 000	5 900	5 500	5 500	4 700	3 850	0.5	6	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP306R

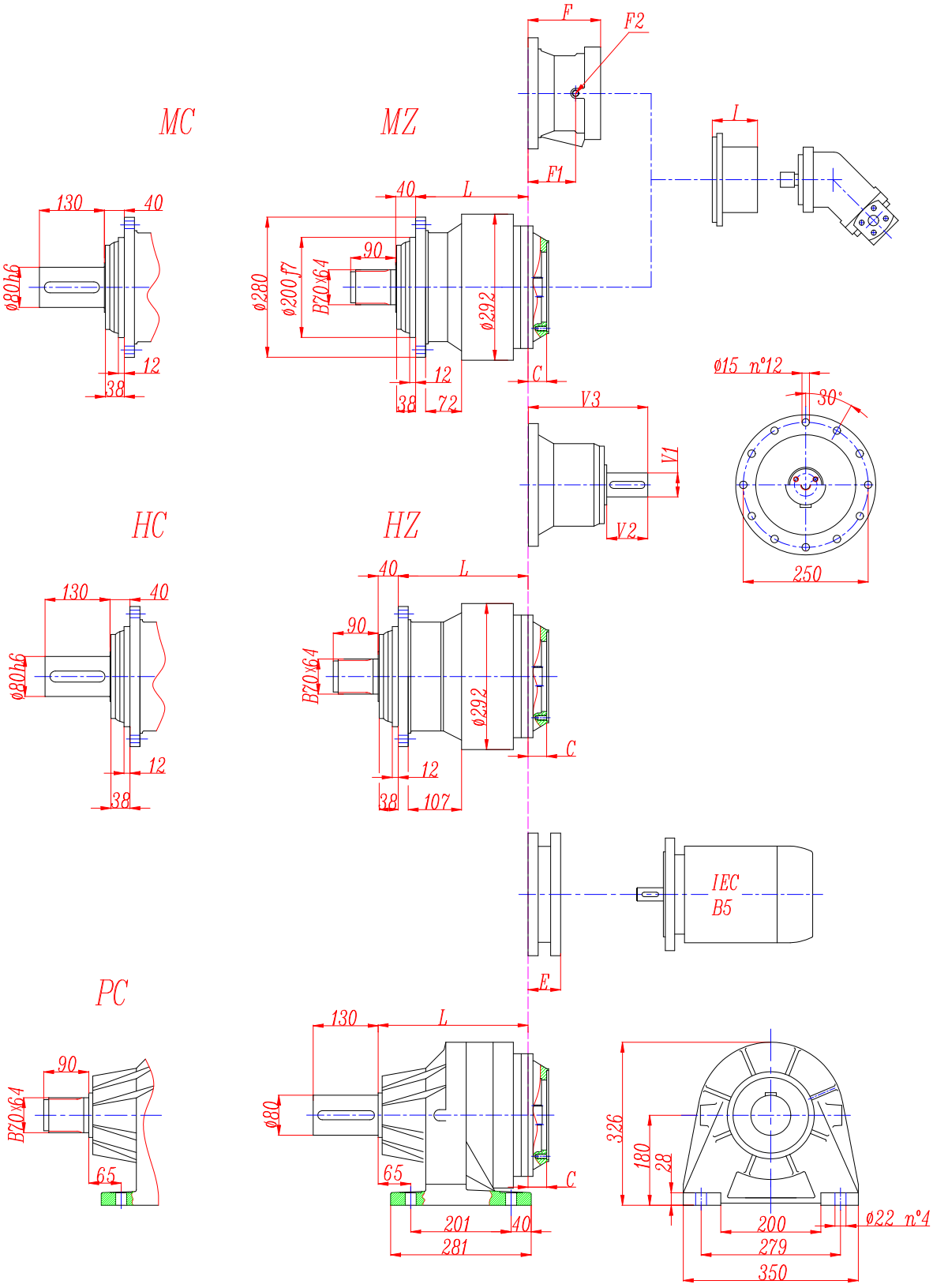
M2'=8500N.m



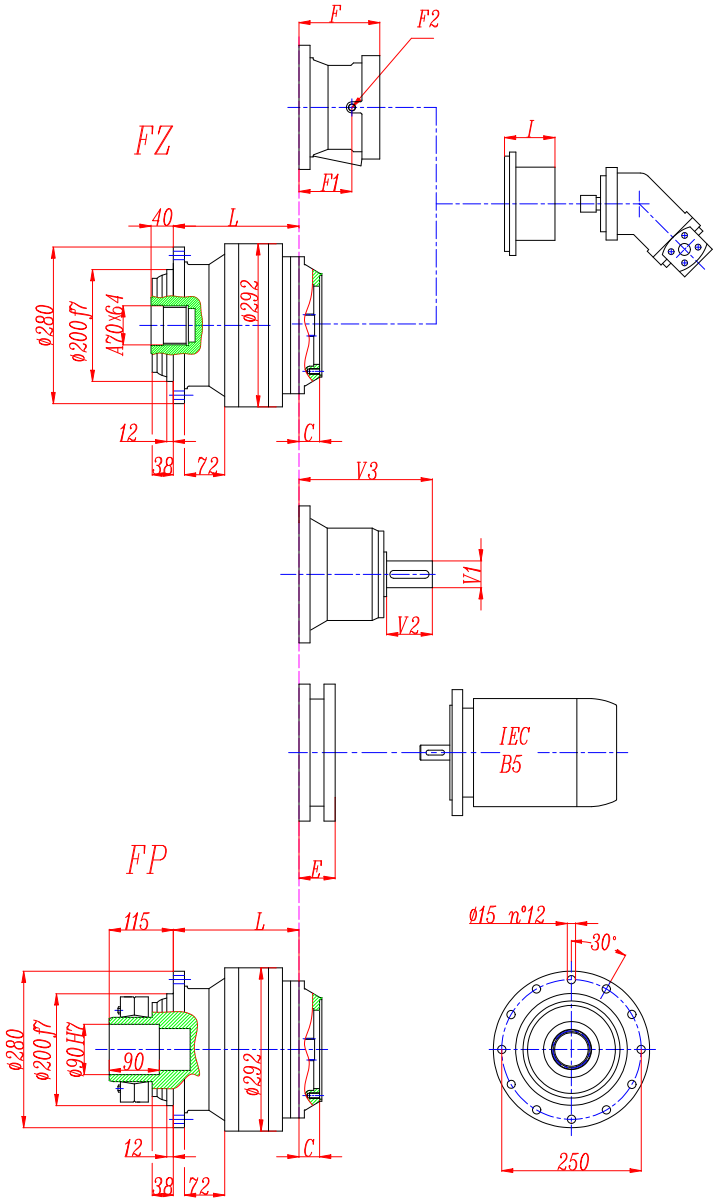
	I	Mn_2 (N.m)						P_1	P_t(KW) (ta=20℃)	n_1	n_{1max}	M_b	Brake type
	1:	n_2.h 10000	n_2.h 25000	n_2.h 50000	n_2.h 100000	n_2.h 500000	n_2.h 1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
R2	9.4	6 500	5 600	5 100	4 200	2 600	2 150	35	18	1 750	3 500	440	4L
	10.7	7 000	5 900	5 500	5 500	4 700	3 850	35	18	1 750	3 500	440	4L
	12.7	9 500	8 500	7 800	7 800	5 700	4 600	35	18	1 750	3 500	440	4L
	14.8	8 500	7 200	6 500	6 500	5 700	4 650	35	18	1 750	3 500	440	4L
	18.2	7 000	5 900	5 500	5 500	4 700	3 850	35	18	1 750	3 500	440	4L
R3	27.7	10 000	9 600	9 400	9 300	6 000	4 850	35	14	1 750	3 500	440	4L
	36	10 000	9 600	9 400	9 300	6 000	4 850	27	14	1 750	3 500	400	4K
	43	10 000	9 600	9 400	9 300	6 000	4 850	23	14	1 750	3 500	400	4K
	50.7	9 500	8 500	7 800	7 800	5 700	4 600	19	14	1 750	3 500	330	4H
	59.3	8 500	7 200	6 500	6 500	5 700	4 650	16.5	14	1 750	3 500	330	4H
	66	8 500	7 200	6 500	6 500	5 700	4 650	15	14	1 750	3 500	260	4F
	80.9	8 500	7 200	6 500	6 500	5 700	4 650	13	14	1 750	3 500	160	4D
	99.1	7 000	5 900	5 500	5 500	4 700	3 850	9	14	1 750	3 500	100	4B
R4	93.6	10 000	9 600	9 400	9 300	6 000	4 850	14	12	1 750	3 500	160	4D
	122	10 000	9 600	9 400	9 300	6 000	4 850	11.3	12	1 750	3 500	160	4D
	160	10 000	9 600	9 400	9 300	6 000	4 850	9.5	12	1 750	3 500	100	4B
	208	10 000	9 600	9 400	9 300	6 000	4 850	7.5	12	1 750	3 500	100	4B
	292	9 500	8 500	7 800	7 800	5 700	4 600	4.8	12	1 750	3 500	50	4A
	342	8 500	7 200	6 500	6 500	5 700	4 650	3.2	12	1 750	3 500	50	4A
	381	8 500	7 200	6 500	6 500	5 700	4 650	2.9	12	1 750	3 500	50	4A
	476	8 500	7 200	6 500	6 500	5 700	4 650	2.4	12	1 750	3 500	50	4A
	582	8 500	7 200	6 500	6 500	5 700	4 650	2	12	1 750	3 500	50	4A
	714	7 000	5 900	5 500	5 500	4 700	3 850	1.5	12	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP306L


MC
MZ
HC
HZ
PC
F
F2
F1
L
V3
V1
V2
IEC
B5
E
130
40
ø80h6
12
38
90
B20x64
ø280
ø200f7
ø292
C
72
107
ø15 n°12
30°
250
65
201
281
ø80
326
180
28
200
279
350
ø22 n°4

MSEP306L



FP version

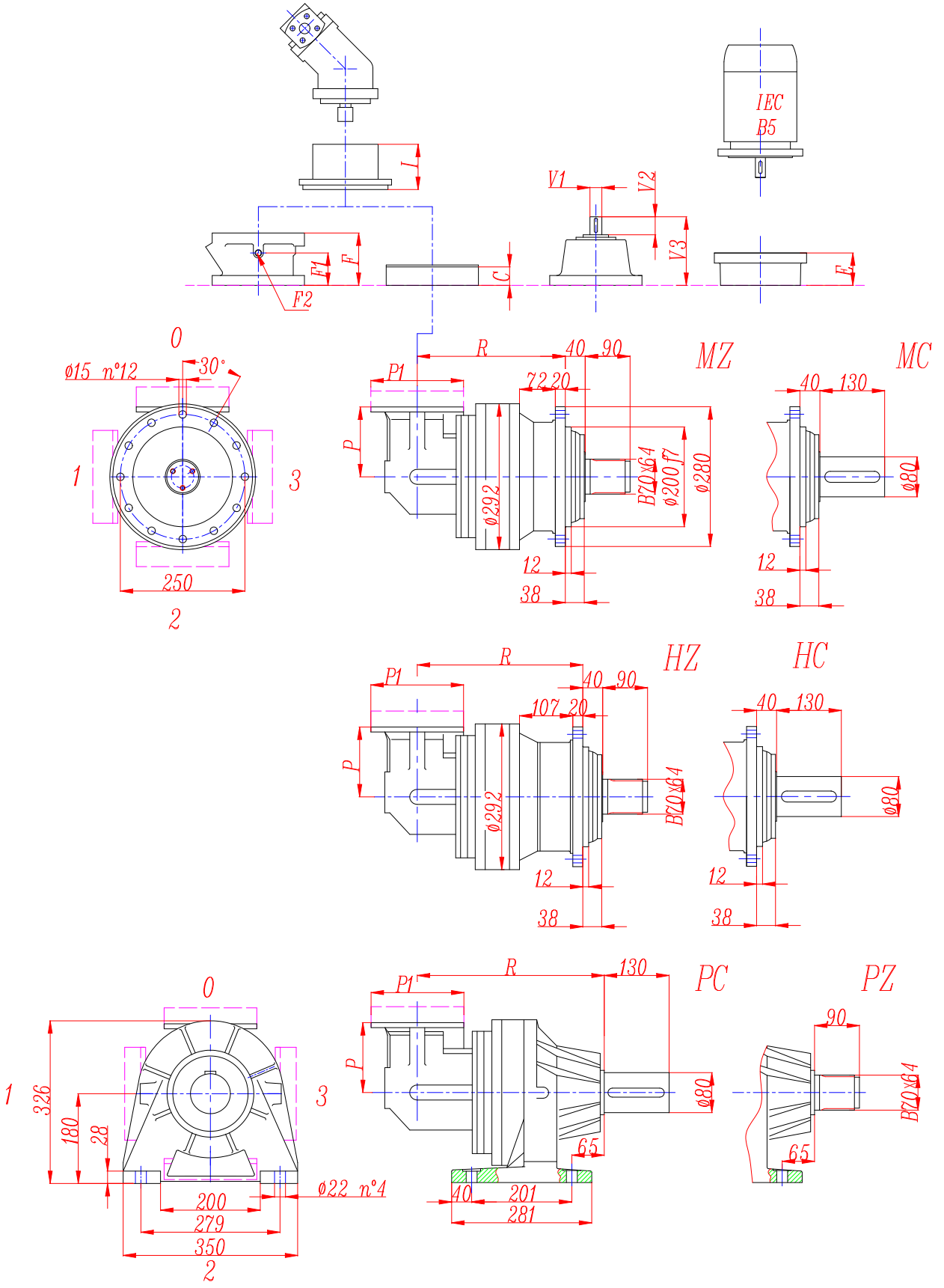
Max. transmissible

12000 N.m

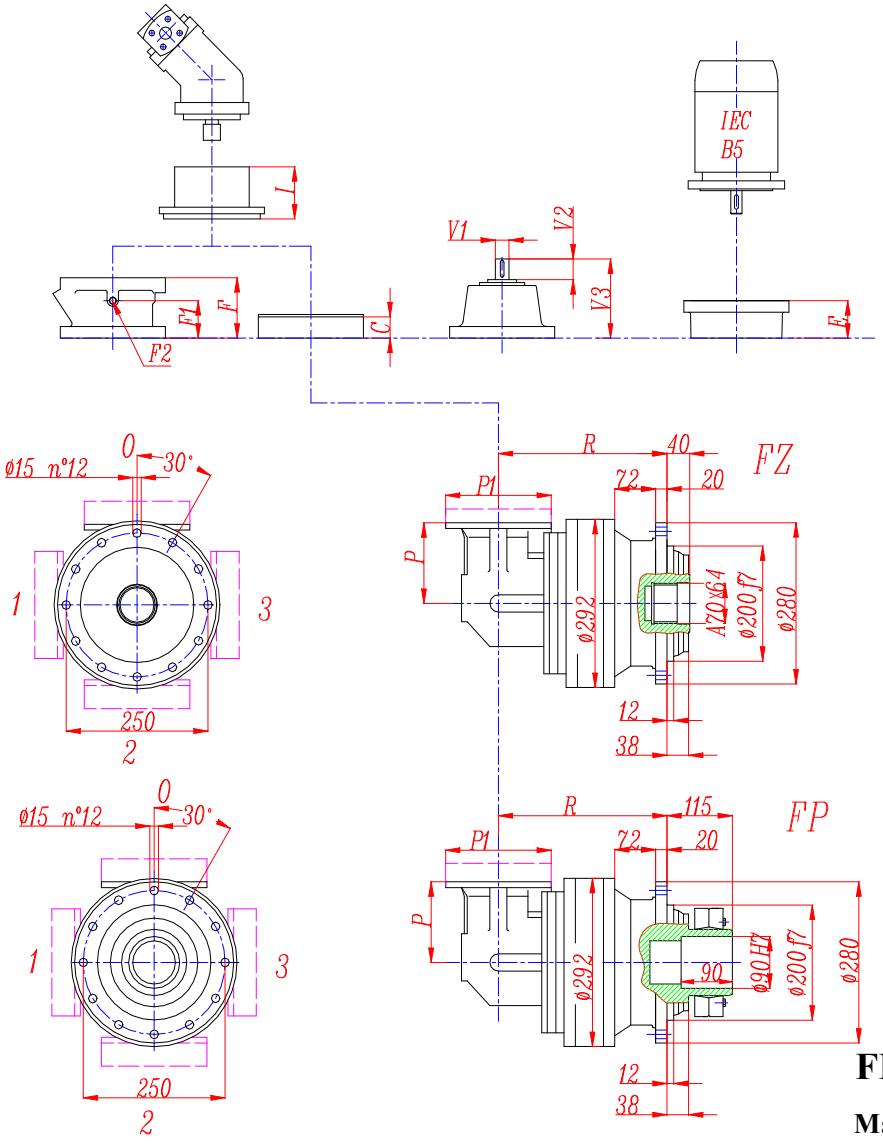
	L				Ref. weight (without input) (Kg)				C	I	Brake				
	MZ MC	FZ FP	HZ HC	PC PZ	MZ MC	FZ FP	HZ HC	PC PZ			F	F1	F2	Type	Ref. Weight
306L1	164	164	195	235	69	69	73	84	45	According to hydraulic motor	195	109	1/4 G	6	70 Kg
306L2	233	233	264	304	83	83	87	98	37		142	88	1/4 G	5	38 Kg
306L3	286	286	317	357	91	91	95	106	37		105	65	1/4 G	4	18 Kg
306L4	339	339	370	410	99	99	103	114	37		105	65	1/4 G	4	18 Kg

	E (IEC motor input)													
	IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250			
306L1							153	153	163	192	192			
306L2						120	153	153	153	186				
306L3	77	97	97	107	107	120	153	153						
306L4	77	97	97	107	107	120	153	153						

MSEP306R


IEC
B5
I
V1
V2
V3
F
F1
F2
C
E
0
1
2
3
Ø15 n°12
30°
250
R
P1
P
40
90
72
20
MZ
MC
Ø292
BZ0x64
Ø200f7
Ø280
Ø80
12
38
130
HZ
HC
107
PC
PZ
65
326
180
28
200
279
350
Ø22 n°4
40
201
281

MSEP306R



FP version

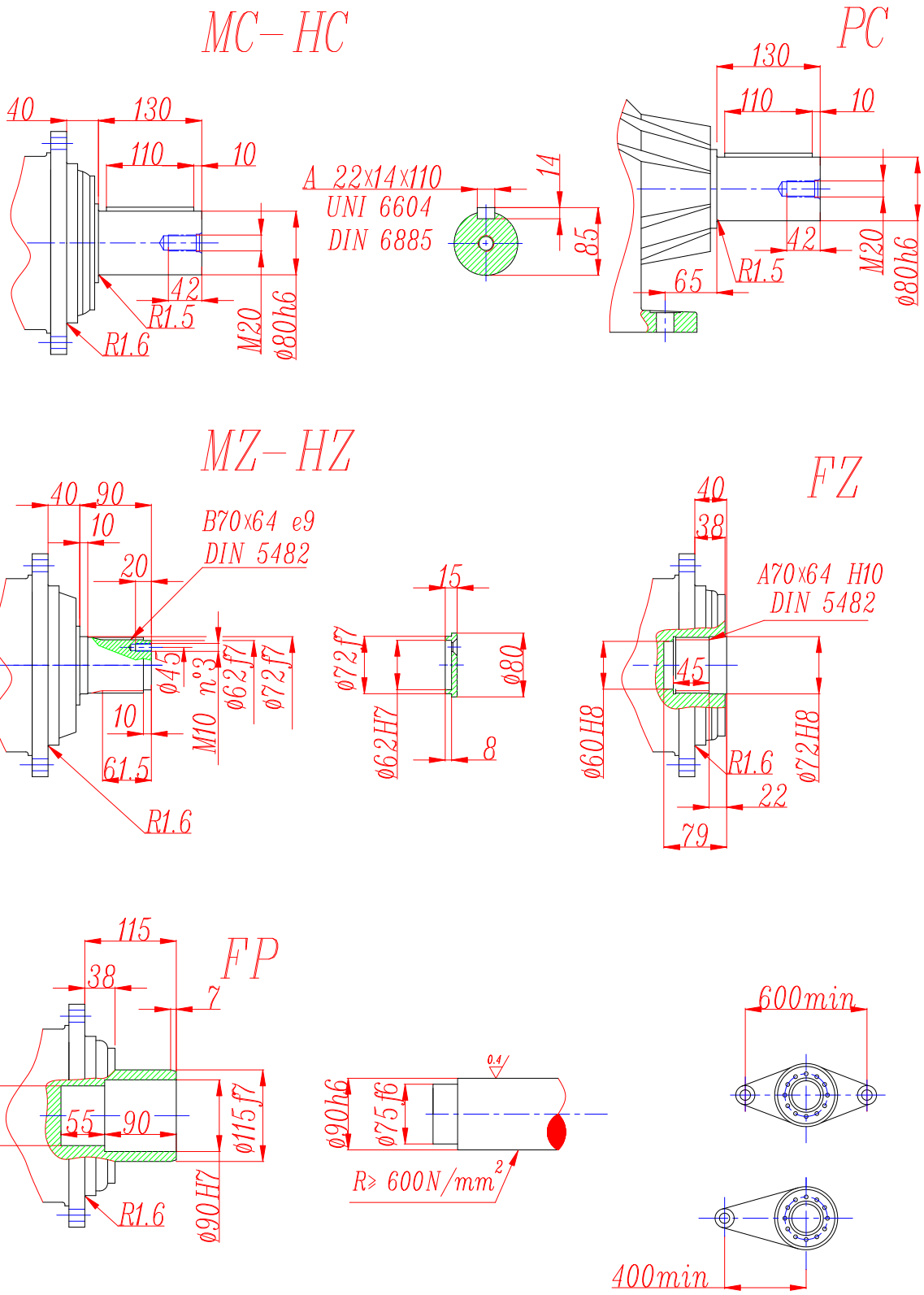
Max. transmissible

12000 N.m

	R				Ref. weight (without input) (Kg)				C	P	I	Brake				
	MZ MC	FZ FP	HZ HC	PC PZ	MZ MC	FZ FP	HZ HC	PC PZ				F	F1	F2	Type	Ref. Weight
306R2	293	293	324	364	153	153	157	168	37	159	According to hydraulic motor	105	65	1/4 G	4	18 Kg
306R3	340	340	371	411	119	119	123	134	37	149		105	65	1/4 G	4	
306R4	364	364	395	425	105	105	109	120	37	122		105	65	1/4 G	4	

	P1	E (IEC motor input)						
		IEC71	IEC80	IEC90	IEC100	IEC112	IEC132	IEC160
306R2	186	77	97	97	107	107	120	153
306R3	186	77	97	97	107	107	120	153
306R4	186	77	97	97	107	107	120	153

MSEP306L - MSEP306R

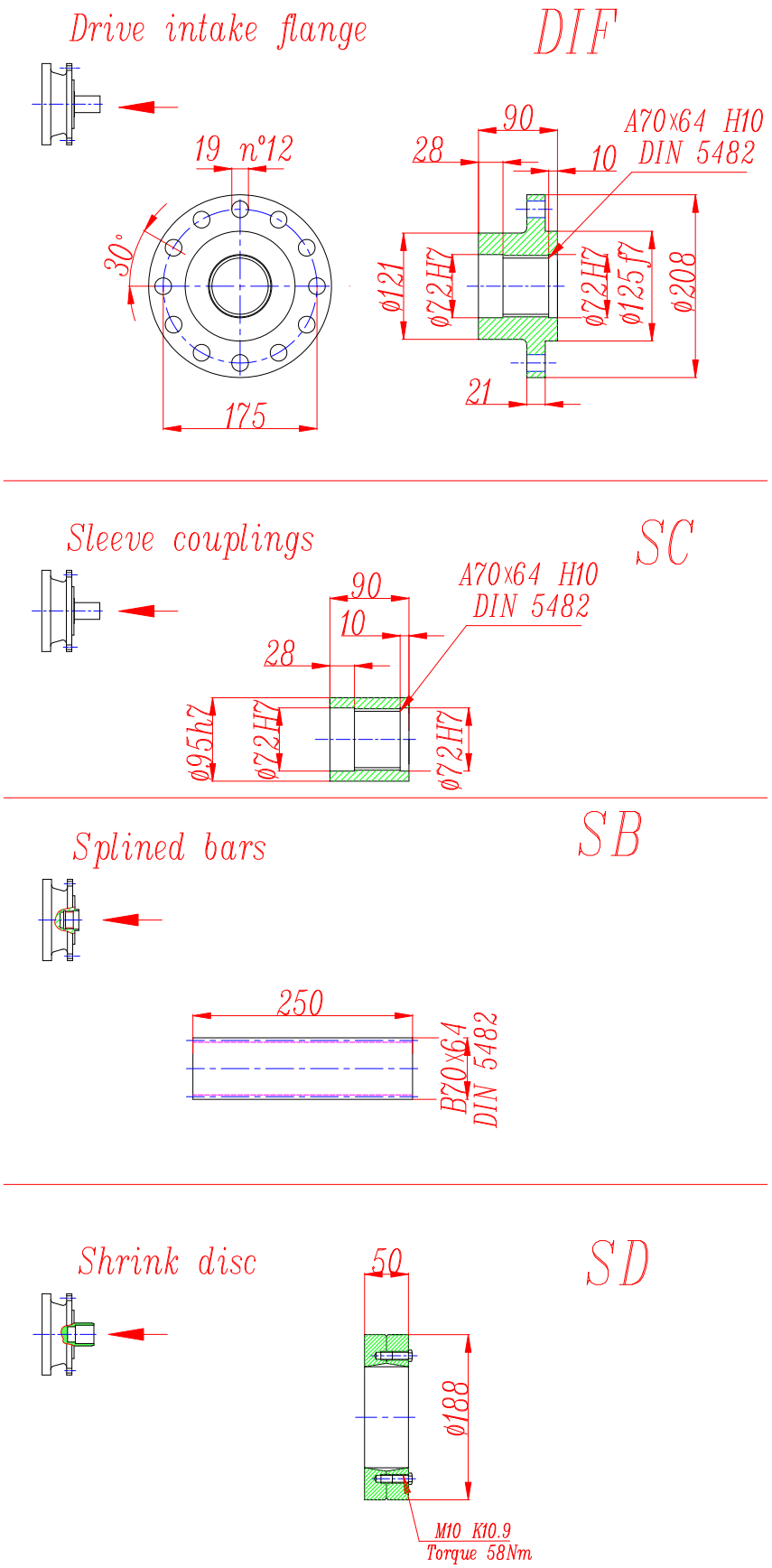


FP version

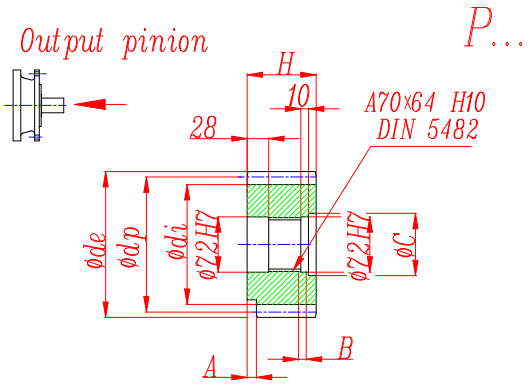
Max. transmissible

12000 N.m

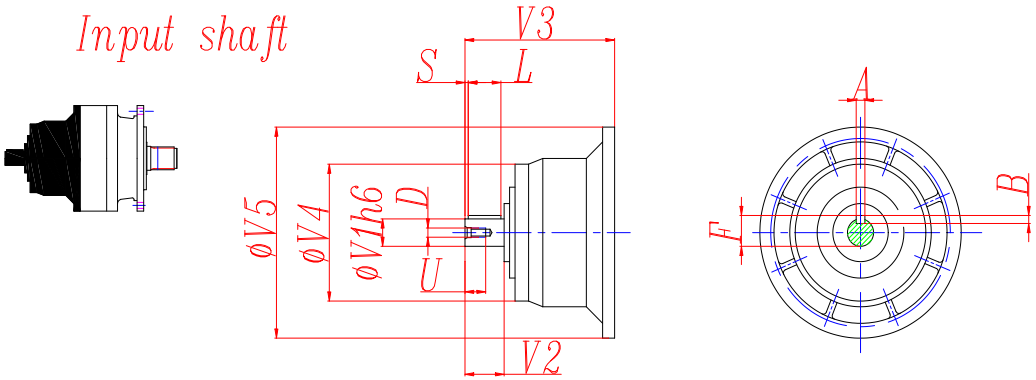
MSEP306L - MSEP306R



MSEP306L - MSEP306R



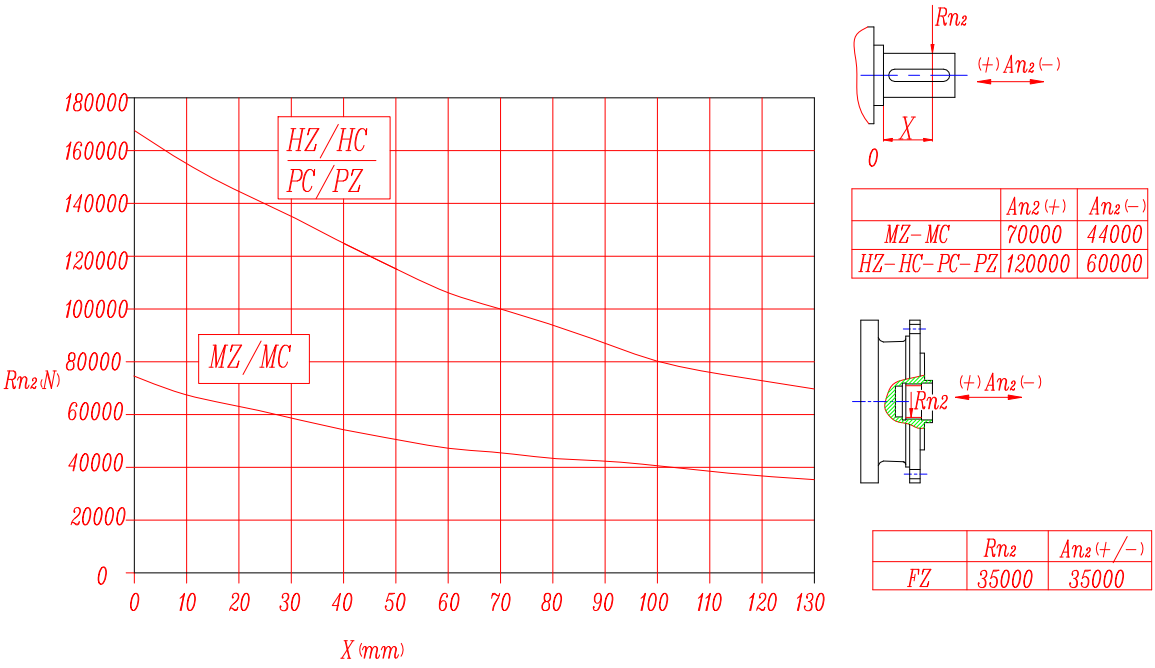
	m	z	x	dp	di	de	H	A	B	C
PFE1	8	15	0	120	100	134	90	0	0	0
PFE2	8	15	0.5000	120	108	141	90	0	0	0
PHB	10	11	0.500	110	95	136	90	10	0	0
PHC1	10	12	0.450	120	104	145	90	0	0	0
PHC2	10	12	0.320	120	100	144.2	90	0	0	0
PHC3	10	12	0.350	120	101	144	90	0	0	0
PHD1	10	13	0.950	130	124	165	90	0	0	0
PHD2	10	13	0.500	130	115	159	90	0	0	0
PHE1	10	14	0	140	115	160	90	0	0	0
PHE2	10	14	0.500	140	125	166	90	0	0	0
PHF	10	15	0	150	127	167	90	24	0	0
PHH	10	17	0.480	170	154	197.5	90	10	0	0
PHM	10	20	0	200	175	220	90	10	0	0



	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
306L1	V06B	60	105	307	155	292	18	11	64	90	7.5	M16	36
306L2	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
306L3	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
306L4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
306R2-R3-R4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28

MSEP306L - MSEP306R

Permissible radial and axial loads on output shaft with Fh2 (n2 • h=10 000)

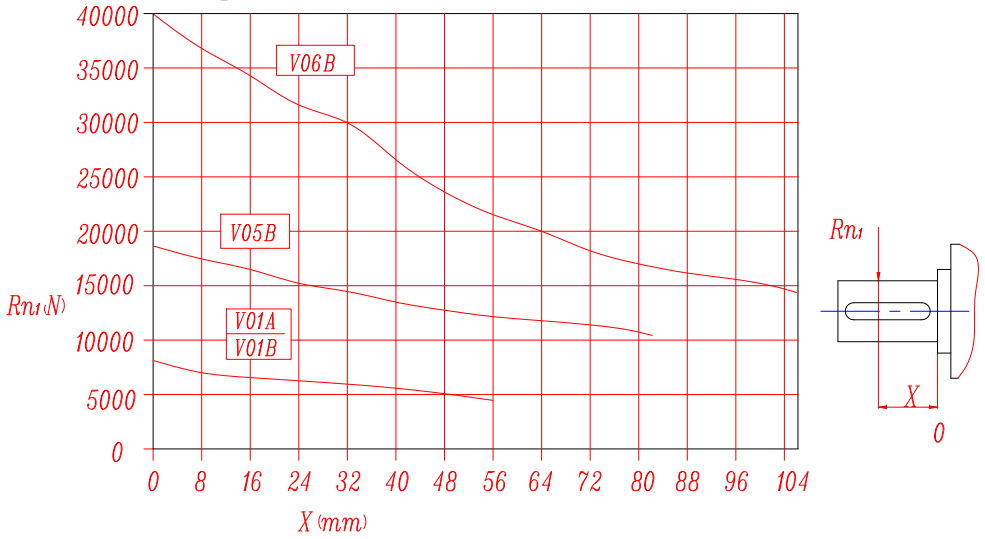


	An2 (+)	An2 (−)
MZ-MC	70000	44000
HZ-HC-PC-PZ	120000	60000

	Rn2	An2 (+/−)
FZ	35000	35000

Load corrective factor fh2 on shafts	fh2= n2 • h		10 000	25 000	50 000	100 000	500 000	1 000 000
	fh2	MZ-MC-FZ	1	0.74	0.58	0.46	0.27	0.21
		HZ-HC-PC-PZ	1	0.76	0.61	0.50	0.31	0.25

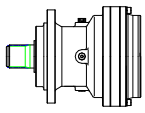
Permissible radial loads on input shaft with Fh1 (n1 • h=250 000)



Load corrective factor fh1 on shafts	Fh1= n1 • h	250 000	500 000	1 000 000	2 00 000	5 000 000	10 000 000
	fh1	1	0.79	0.63	0.50	0.37	0.29

MSEP307L

M2'=12500N.m

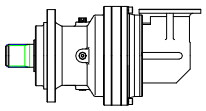


	I	Mn_2 (N.m)						P_1	P_t(KW)	n_1	n_{1max}	M_b	Brake type
		n_2.h	n_2.h	n_2.h	n_2.h	n_2.h	n_2.h		(ta=20℃)				
	1:	10000	25000	50000	100000	500000	1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
L1	3.4	15 000	13 800	12 900	12 500	7 900	6 400	100	22	1 500	2 500	3 200	6L
	4.4	15 000	13 800	12 900	12 500	7 900	6 400	100	22	1 500	2 500	3 200	6L
	5.3	14 000	12 000	10 700	10 500	7 700	6 200	100	22	1 500	2 500	3 200	6L
	6.2	11 000	9 600	8 700	8 700	7 700	6 200	100	22	1 500	2 500	2 100	6K
L2	12.6	15 000	13 800	12 900	12 500	7 900	6 400	60	18	1 750	3 500	1 000	5K
	16.1	15 000	13 800	12 900	12 500	7 900	6 400	60	18	1 750	3 500	1 000	5K
	18.5	15 000	13 800	12 900	12 500	7 900	6 400	60	18	1 750	3 500	1 000	5K
	22	15 000	13 800	12 900	12 500	7 900	6 400	55	18	1 750	3 500	1 000	5K
	26.3	14 000	12 000	10 700	10 500	7 700	6 200	50	18	1 750	3 500	800	5G
	29.2	14 000	12 000	10 700	10 500	7 700	6 200	45	18	1 750	3 500	630	5E
	35.8	14 000	12 000	10 700	10 500	7 700	6 200	37	18	1 750	3 500	500	5C
	42.5	11 000	9 600	8 700	8 700	7 700	6 200	32	18	1 750	3 500	400	5B
L3	42.5	15 000	13 800	12 900	12 500	7 900	6 400	35	11	1 750	3 500	400	4K
	54.6	15 000	13 800	12 900	12 500	7 900	6 400	28	11	1 750	3 500	330	4H
	62.5	15 000	13 800	12 900	12 500	7 900	6 400	25	11	1 750	3 500	330	4H
	82.1	15 000	13 800	12 900	12 500	7 900	6 400	20	11	1 750	3 500	260	4F
	107	15 000	13 800	12 900	12 500	7 900	6 400	16	11	1 750	3 500	160	4D
	127	15 000	13 800	12 900	12 500	7 900	6 400	14	11	1 750	3 500	160	4D
	151	14 000	12 000	10 700	10 500	7 700	6 200	11.8	11	1 750	3 500	160	4D
	169	14 000	12 000	10 700	10 500	7 700	6 200	10	11	1 750	3 500	100	4B
	211	14 000	12 000	10 700	10 500	7 700	6 200	8	11	1 750	3 500	100	4B
	258	14 000	12 000	10 700	10 500	7 700	6 200	7	11	1 750	3 500	100	4B
	306	11 000	9 600	8 700	8 700	7 700	6 200	5	11	1 750	3 500	50	4A
L4	278	15 000	13 800	12 900	12 500	7 900	6 400	6	7.5	1 750	3 500	50	4A
	365	15 000	13 800	12 900	12 500	7 900	6 400	5	7.5	1 750	3 500	50	4A
	474	15 000	13 800	12 900	12 500	7 900	6 400	4	7.5	1 750	3 500	50	4A
	591	15 000	13 800	12 900	12 500	7 900	6 400	3.3	7.5	1 750	3 500	50	4A
	768	15 000	13 800	12 900	12 500	7 900	6 400	2.6	7.5	1 750	3 500	50	4A
	914	15 000	13 800	12 900	12 500	7 900	6 400	2.2	7.5	1 750	3 500	50	4A
	1090	14 000	12 000	10 700	10 500	7 700	6 200	2	7.5	1 750	3 500	50	4A
	1215	14 000	12 000	10 700	10 500	7 700	6 200	1.7	7.5	1 750	3 500	50	4A
	1516	14 000	12 000	10 700	10 500	7 700	6 200	1.2	7.5	1 750	3 500	50	4A
	1856	14 000	12 000	10 700	10 500	7 700	6 200	1	7.5	1 750	3 500	50	4A
	2202	11 000	9 600	8 700	8 700	7 700	6 200	0.8	7.5	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP307R

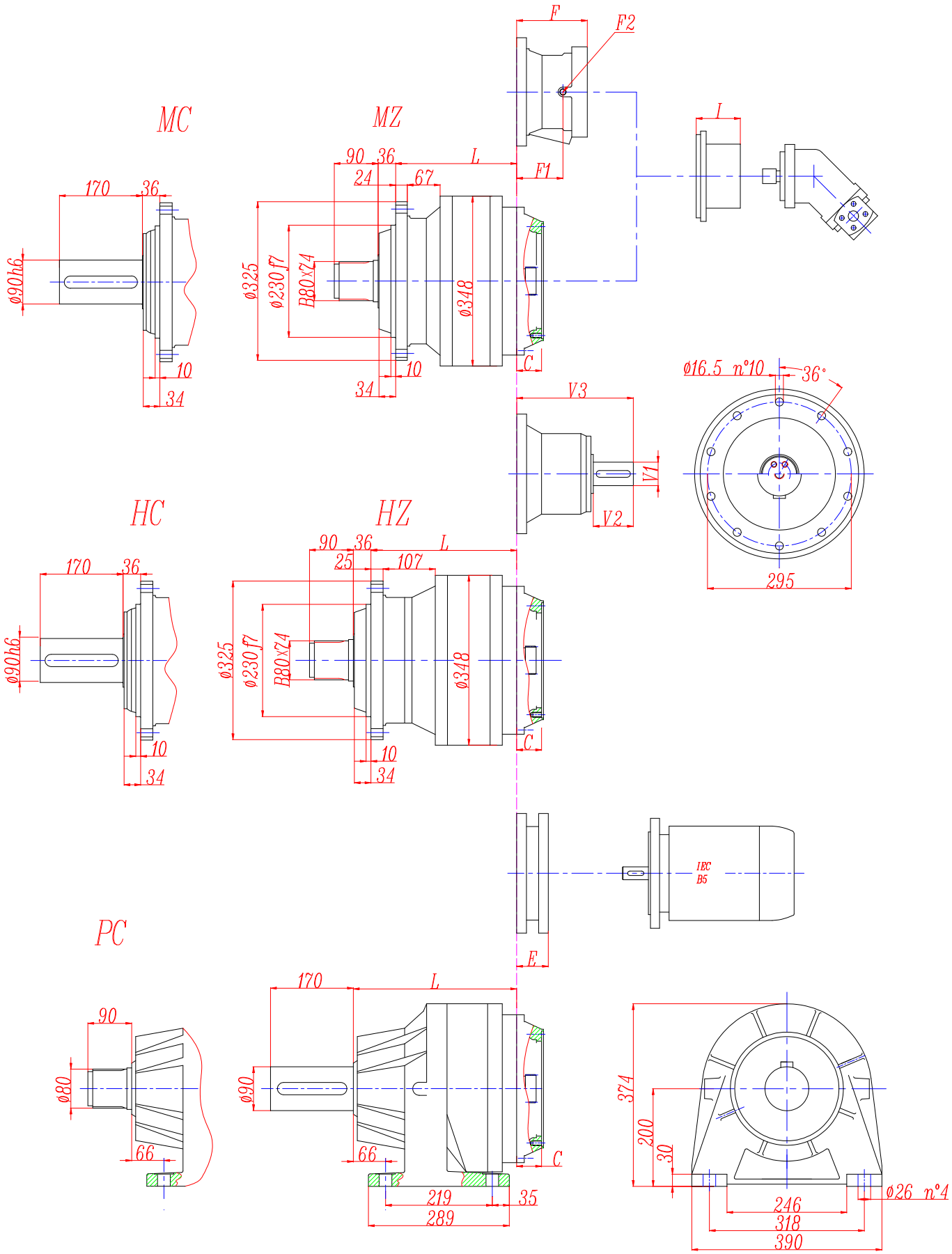
M2'=12500N.m



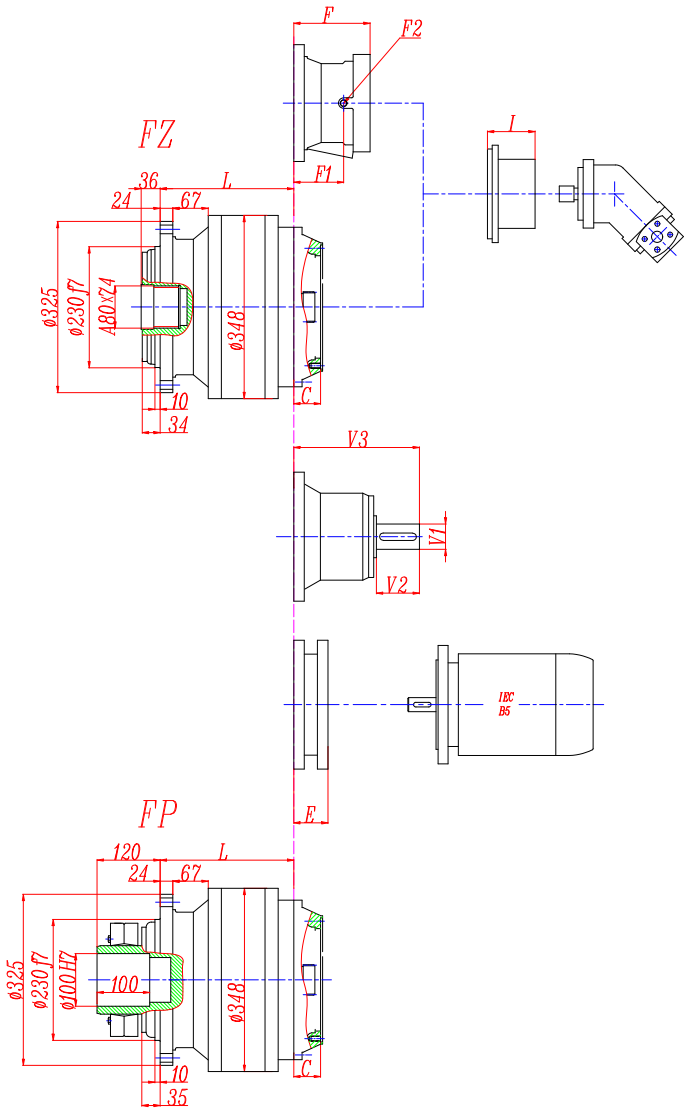
	I	Mn_2 (N.m)						P_1	P_t(KW)	n_1	n_{1max}	M_b	Brake type
		n_2.h	n_2.h	n_2.h	n_2.h	n_2.h	n_2.h		(ta=20℃)				
	1:	10000	25000	50000	100000	500000	1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
R2	13	9 100	8 500	7 600	6 800	5 500	4 400	60	35	1 750	3 500	1000	5K
	16.7	11 000	9 800	8 900	12 500	7 900	6 400	50	35	1 750	3 500	800	5G
	19.9	14 000	12 000	10 700	10 500	7 700	6 200	45	35	1 750	3 500	800	5G
	23.6	11 000	9 600	8 700	8 700	7 700	6 200	42	35	1 750	3 500	800	5G
R3	32.2	9 100	8 500	7 600	6 800	5 500	4 400	30	20	1 750	3 500	400	4K
	41.3	11 000	9 800	8 900	12 500	7 900	6 400	28	20	1 750	3 500	400	4K
	47.4	14 000	12 000	10 700	10 500	7 700	6 200	25	20	1 750	3 500	400	4K
	56.4	15 000	13 800	12 900	12 500	7 900	6 400	22	20	1 750	3 500	330	4H
	67.3	14 000	12 000	10 700	10 500	7 700	6 200	20	20	1 750	3 500	330	4H
	75	14 000	12 000	10 700	10 500	7 700	6 200	18	20	1 750	3 500	260	4F
	91.8	14 000	12 000	10 700	10 500	7 700	6 200	15	20	1 750	3 500	260	4F
	109	11 000	9 600	8 700	8 700	7 700	6 200	12	20	1 750	3 500	160	4D
R4	112	15 000	13 800	12 900	12 500	7 900	6 400	12	14	1 750	3 500	160	4D
	128	15 000	13 800	12 900	12 500	7 900	6 400	11	14	1 750	3 500	160	4D
	168	15 000	13 800	12 900	12 500	7 900	6 400	9	14	1 750	3 500	160	4D
	219	15 000	13 800	12 900	12 500	7 900	6 400	7	14	1 750	3 500	100	4B
	260	15 000	13 800	12 900	12 500	7 900	6 400	6	14	1 750	3 500	100	4B
	310	14 000	12 000	10 700	10 500	7 700	6 200	5.5	14	1 750	3 500	100	4B
	346	14 000	12 000	10 700	10 500	7 700	6 200	5	14	1 750	3 500	100	4B
	433	14 000	12 000	10 700	10 500	7 700	6 200	4	14	1 750	3 500	50	4A
	529	14 000	12 000	10 700	10 500	7 700	6 200	3.3	14	1 750	3 500	50	4A
	627	11 000	9 600	8 700	8 700	7 700	6 200	2.5	14	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP307L


MC
MZ
HC
HZ
PC
F
F2
F1
L
90
36
24
67
170
ø90h6
ø325
ø230 f7
B80X4
ø348
10
34
C
V3
V1
V2
ø16.5 n°10
36°
295
25
107
IEC
B5
E
ø80
ø90
66
219
289
35
374
200
30
ø26 n°4
246
318
390

MSEP307L



FP version

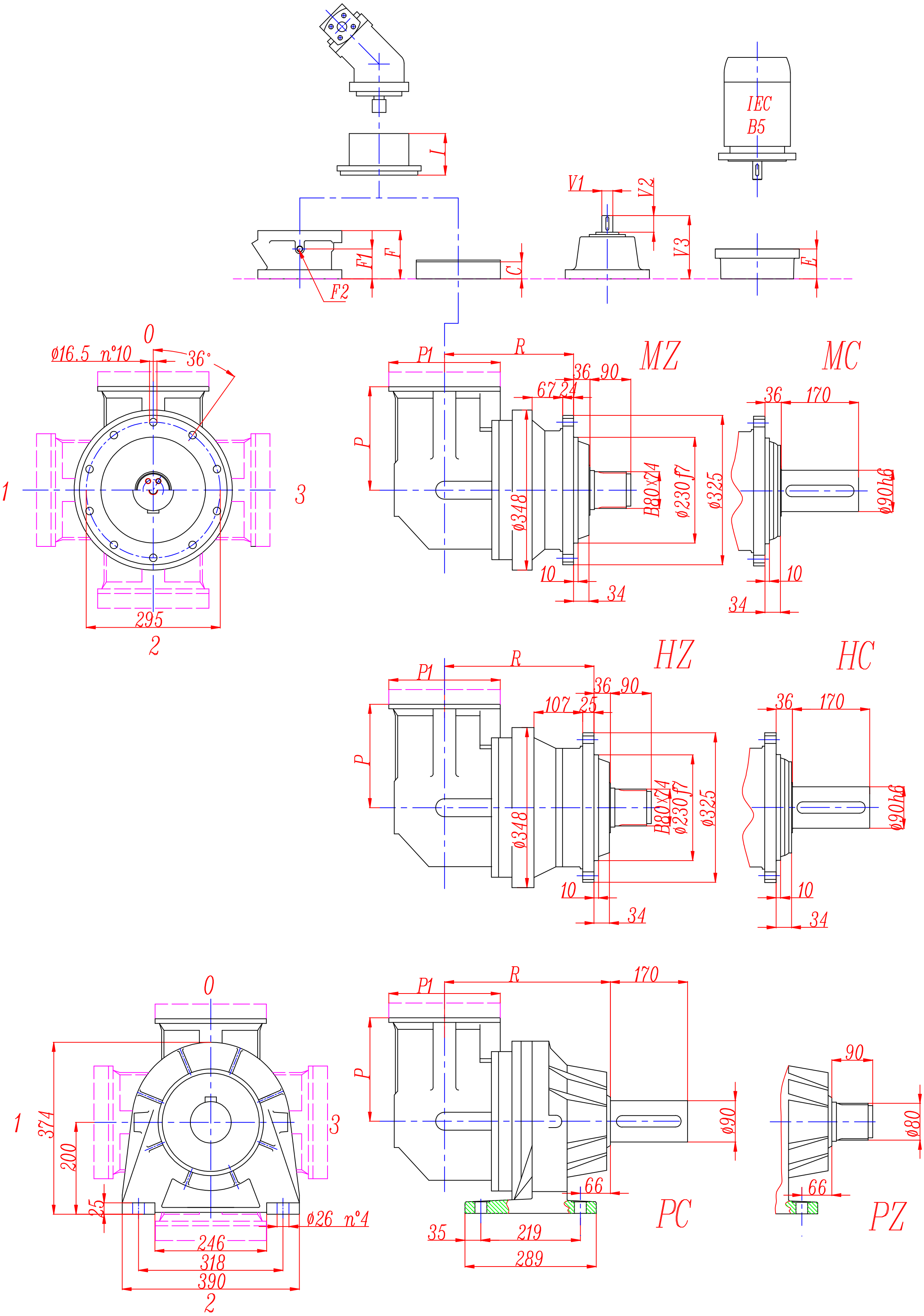
Max. transmissible

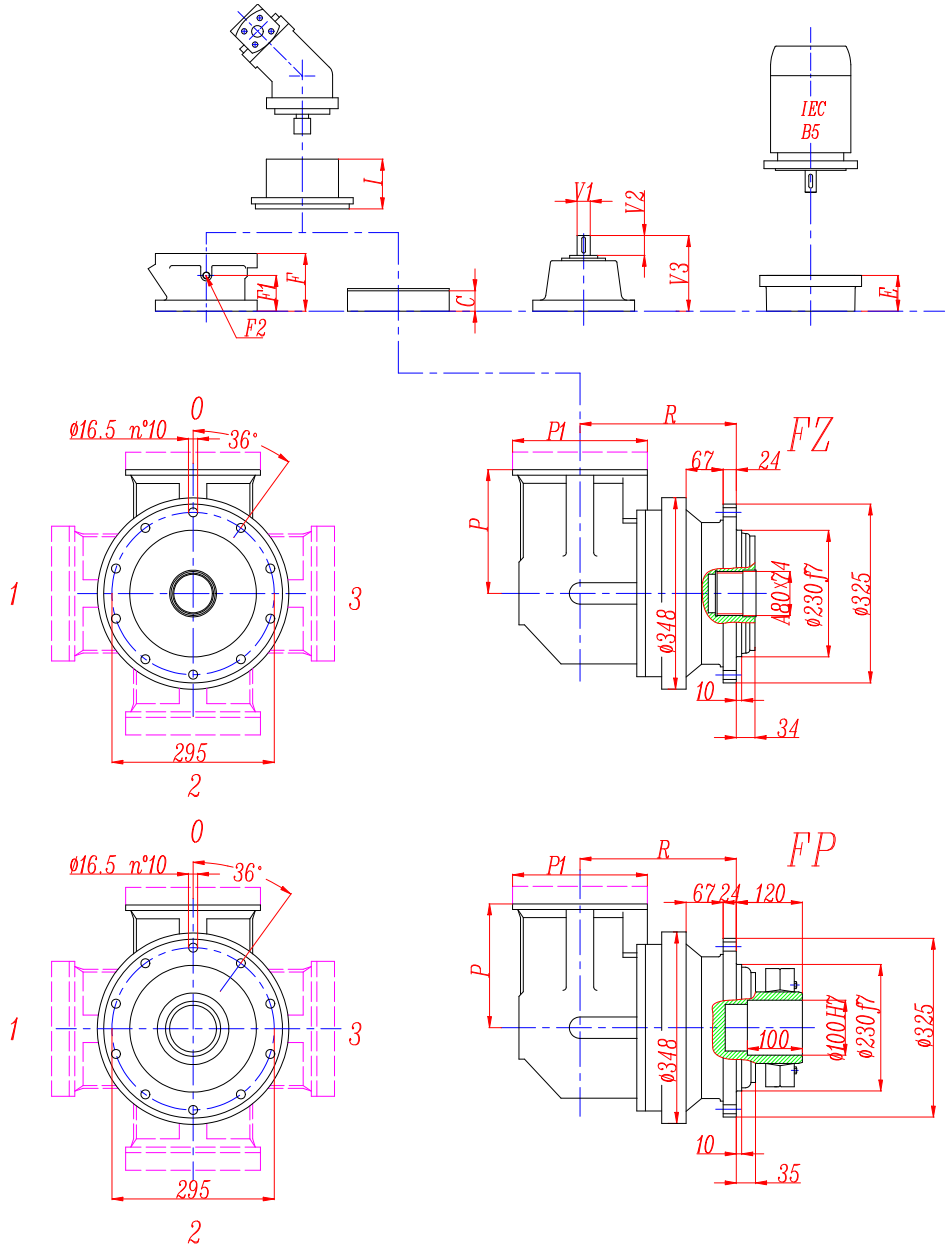
18000 N.m

	L				Ref. weight (without input) (Kg)				C	I	Brake				
	MZ MC	FZ FP	HZ HC	PC PZ	MZ MC	FZ FP	HZ HC	PC PZ			F	F1	F2	Type	Ref. Weight
307L1	180	180	210	246	104	104	108	128	51	According to hydraulic motor	196	115	1/4 G	6	75 Kg
307L2	273	273	303	339	123	123	127	147	37		142	88	1/4 G	5	38 Kg
307L3	338	338	368	404	132	132	136	156	37		105	65	1/4 G	4	18 Kg
307L4	391	391	421	457	140	140	144	164	37		105	65	1/4 G	4	18 Kg

	E (IEC motor input)													
	IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250			
307L1							159	159	169	198	198			
307L2						120	153	153	153	186				
307L3	77	97	97	107	107	120	153	153						
307L4	77	97	97	107	107	120	153	153						

MSEP307R


IEC
B5
V1
V2
V3
L
F1
F
F2
C
F
0
ø16.5 n°10
36°
1
3
295
2
P1
R
MZ
MC
36 90
67 24
P
ø348
B80x24
ø230 f7
ø325
ø90h6
10
34
36 170
HZ
HC
36 90
107 25
170
PC
PZ
66
35
219
289
ø90
ø80
374
200
25
ø26 n°4
246
318
390



FP version

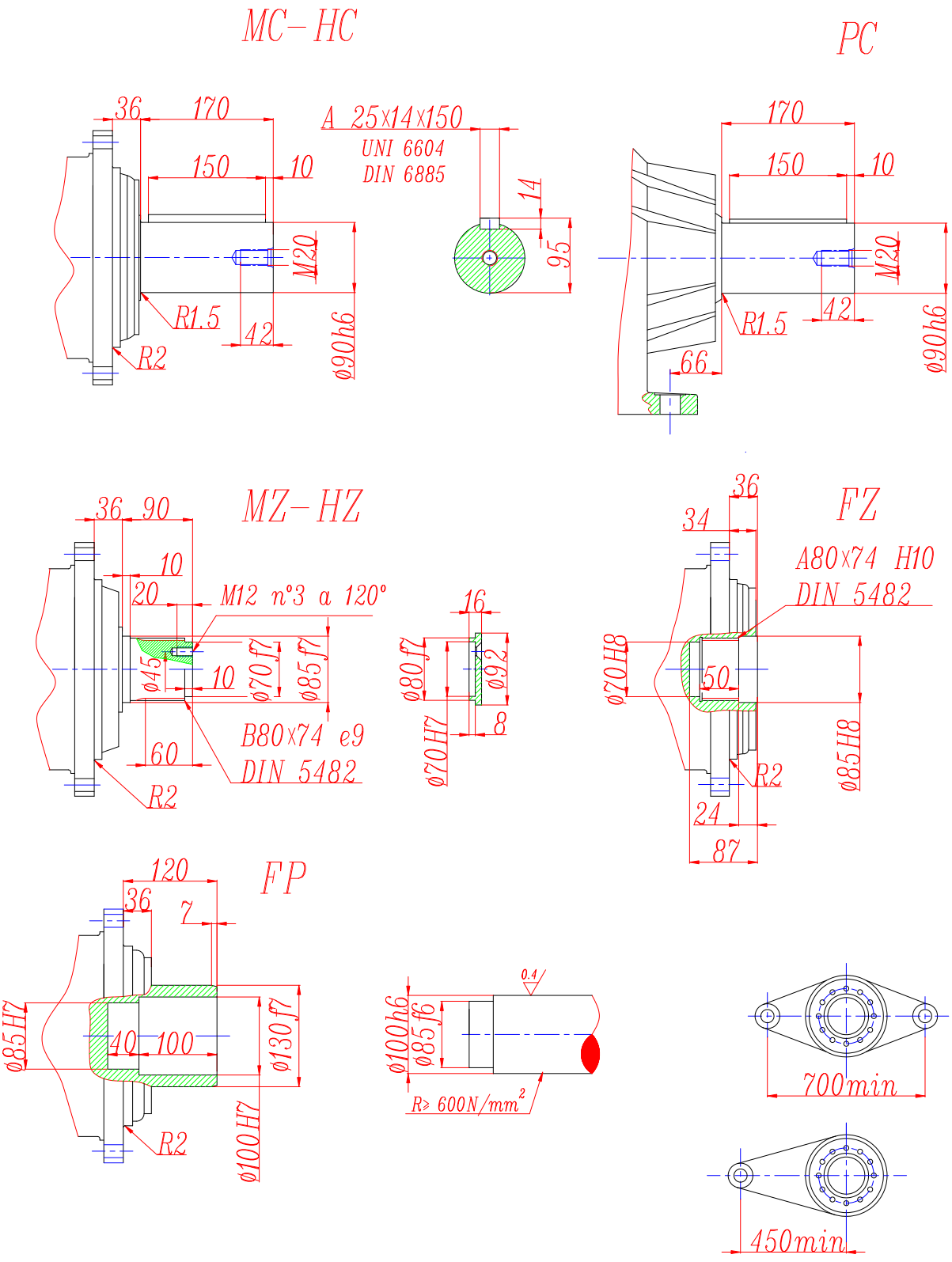
Max. transmissible

18000 N.m

	R				Ref. weight (without input) (Kg)				C	P	I	Brake				
	MZ MC	FZ FP	HZ HC	PC PZ	MZ MC	FZ FP	HZ HC	PC PZ				F	F1	F2	Type	Ref. Weight Kg
307R2	335	335	365	401	194	194	198	208	37	209	According to hydraulic motor	142	88	1/4 G	5	38
307R3	380	380	410	446	159	159	163	183	37	140		105	65	1/4 G	4	18
307R4	416	416	446	482	128	146	150	170	37	122		105	65	1/4 G	4	18

	P1	E (IEC motor input)									
		IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	IEC250
307R2	245						120	153	153	153	186
307R3	186	77	97	97	107	107	120	153	153		
307R4	186	77	97	97	107	107	120	153	153		

MSEP307L - MSEP307R

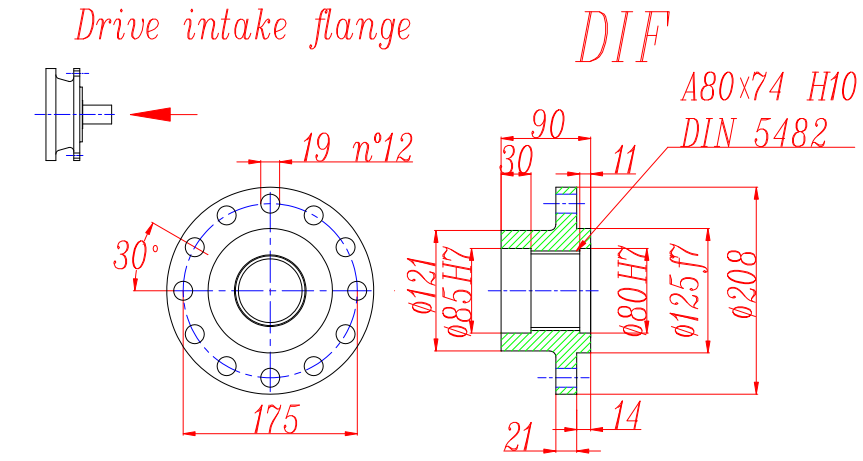


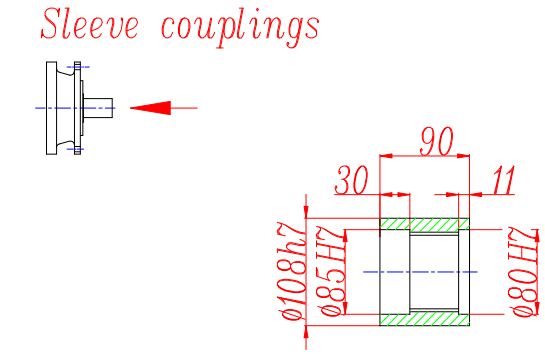
FP version

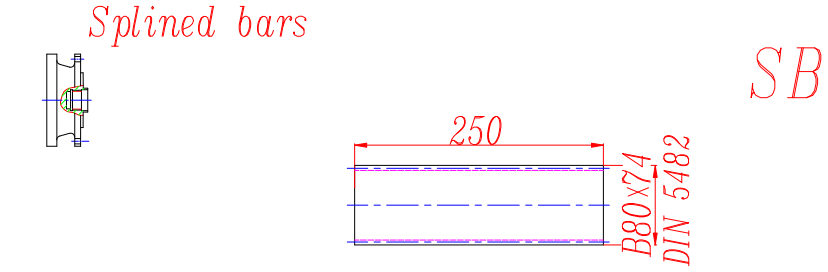
Max. transmissible

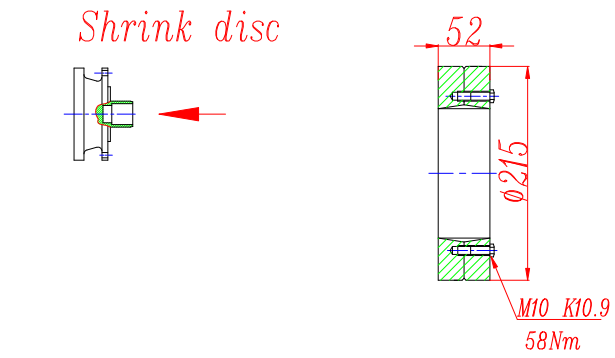
18000 N.m

MSEP307L - MSEP307R

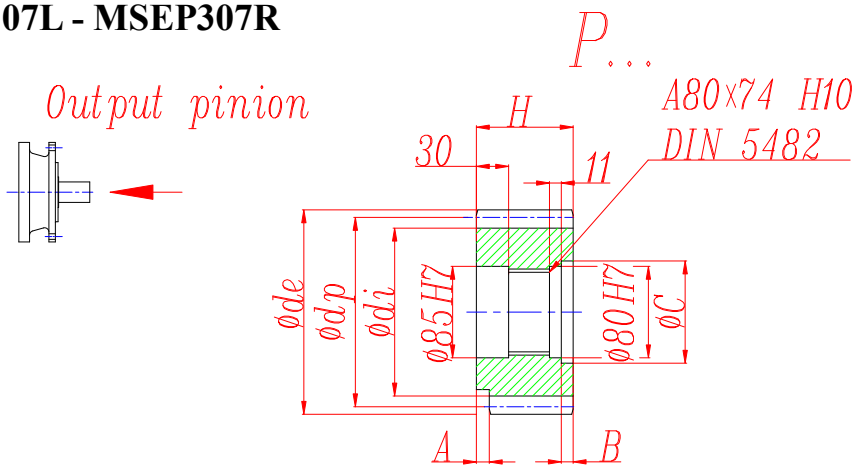




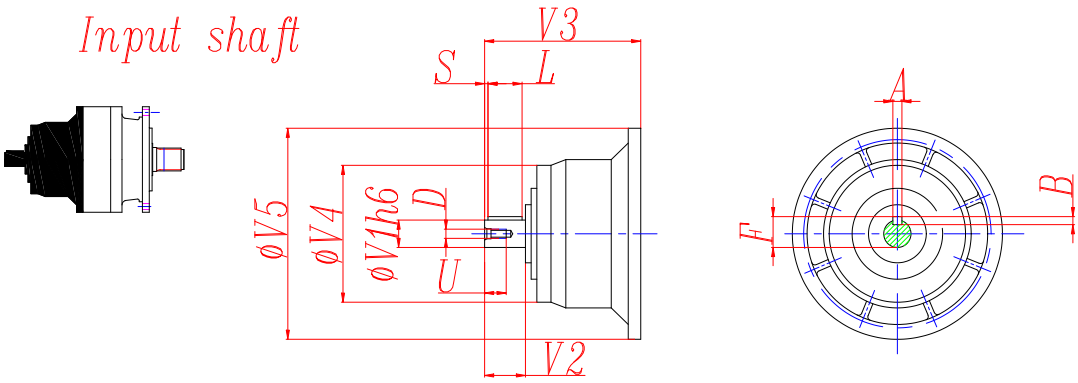




MSEP307L - MSEP307R



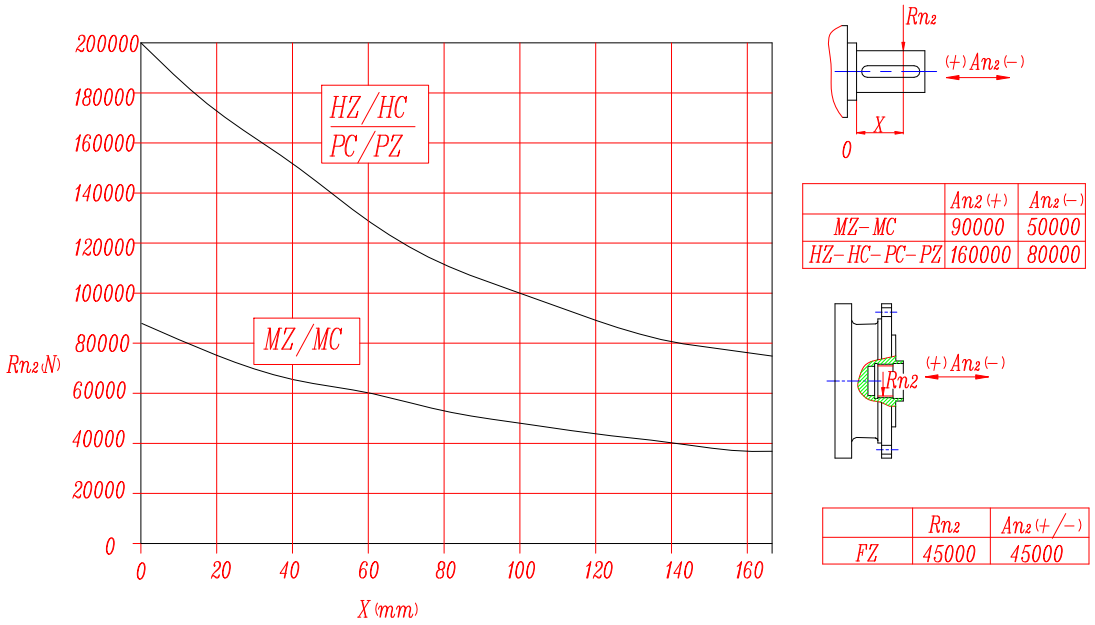
	m	z	x	dp	di	de	H	A	B	C
PFG	8	16	0.5000	128	117	149.5	90	0	0	0
PHC	10	12	0.4500	120	104	145	90	0	0	0
PHE	10	14	0.320	140	121	162.5	116	13	26	95
PHF	10	15	0.150	150	130	171.5	107	20	17	100
PHG	10	16	0.500	160	145	186	90	10	0	0
PHH1	10	17	0	170	145	190	90	0	0	0
PHH2	10	17	0.500	170	154	198	90	0	0	0
PLD	12	13	0.500	156	138	192	102	0	12	95
PLE	12	14	0.500	168	150	199.2	90	0	0	0
PLI	12	18	0.500	216	198	249.6	107	7	17	95
PLT	12	26	0	312	282	336	90	0	0	0



	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
307L1	V07B	80	130	315	200	345	22	14	85	110	10	M16	36
	V07A	60	105	313	155	345	18	11	64	90	7.5	M16	36
307L2	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
307L3	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
307L4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
307R2	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
307 R3-R4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28

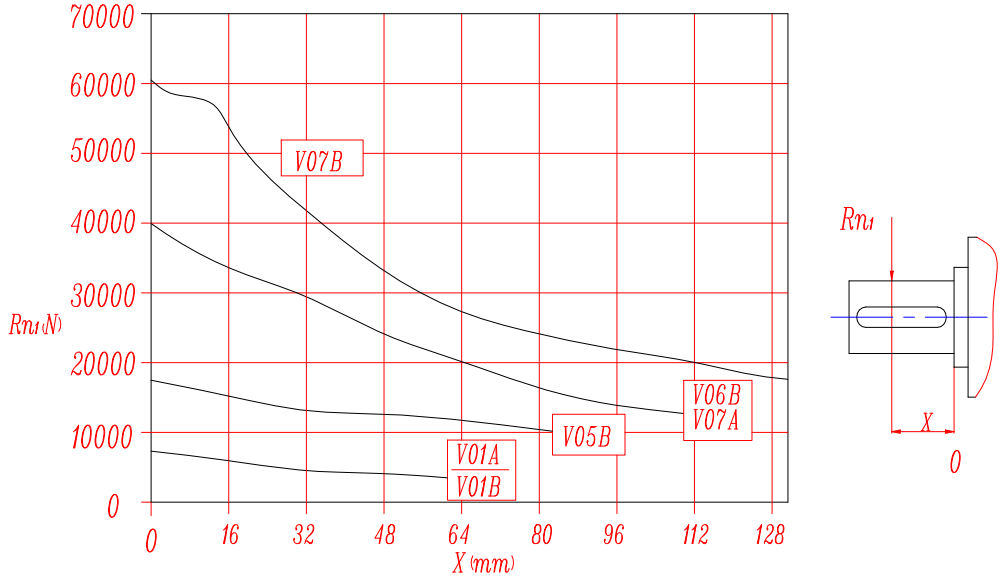
MSEP307L - MSEP307R

Permissible radial and axial loads on output shaft with Fh2 (n2 • h=10 000)



Load corrective factor fh2 on shafts	fh2= n2 • h		10 000	25 000	50 000	100 000	500 000	1 000 000
	fh2	MZ-MC-FZ	1	0.74	0.58	0.46	0.27	0.21
		HZ-HC-PC-PZ	1	0.76	0.61	0.50	0.31	0.25

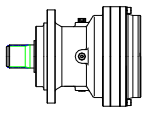
Permissible radial loads on input shaft with Fh1 (n1 • h=250 000)



Load corrective factor fh1 on shafts	Fh1= n1 • h	250 000	500 000	1 000 000	2 00 000	5 000 000	10 000 000
	fh1	1	0.79	0.63	0.50	0.37	0.29

MSEP309L

M2'=18500N.m

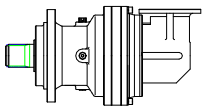


	I	Mn_2 (N.m)						P_1	P_t(KW)	n_1	n_{1max}	M_b	Brake type
		n_2.h	n_2.h	n_2.h	n_2.h	n_2.h	n_2.h		(ta=20℃)				
	1:	10000	25000	50000	100000	500000	1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
L1	3.4	22 500	20 600	19 000	16 800	10 400	8 400	130	25	1 500	2 000	3 200	6L
	4.4	22 500	20 600	19 000	16 800	10 400	8 400	130	25	1 500	2 000	3 200	6L
	5.3	21 000	18 100	16 200	16 000	10 700	8 700	130	25	1 500	2 000	3 200	6L
	6.2	17 000	14 400	13 000	13 000	10 400	8 500	130	25	1 500	2 000	3 200	6L
L2	12.6	18 000	17 500	16 500	15 200	9 400	7 600	60	18	1 750	3 500	1 000	5K
	16.1	21 300	20 600	19 000	15 600	9 600	7 800	60	18	1 750	3 500	1 000	5K
	18.5	21 300	20 600	19 000	15 600	9 600	7 800	60	18	1 750	3 500	1 000	5K
	22	18 000	17 500	16 500	15 200	9 400	7 600	60	18	1 750	3 500	1 000	5K
	26.3	21 000	18 100	16 200	16 000	10 700	8 700	60	18	1 750	3 500	1000	5K
	29.2	18 000	17 500	16 500	15 200	9 400	7 600	60	18	1 750	3 500	1000	5K
	35.8	17 000	14 400	13 000	13 000	10 400	8 500	57	18	1 750	3 500	800	5E
	42.5	17 000	14 400	13 000	13 000	10 400	8 500	42	18	1 750	3 500	500	5C
L3	42.5	18 000	17 500	16 500	15 200	9 400	7 600	42	11	1 750	3 500	440	4L
	54.6	21 300	20 600	19 000	15 600	9 600	7 800	36	11	1 750	3 500	440	4L
	62.5	21 300	20 600	19 000	15 600	9 600	7 800	33	11	1 750	3 500	400	4K
	82.1	21 300	20 600	19 000	15 600	9 600	7 800	28	11	1 750	3 500	330	4H
	107	21 300	20 600	19 000	15 600	9 600	7 800	23	11	1 750	3 500	260	4F
	127	18 000	17 500	16 500	15 200	9 400	7 600	20	11	1 750	3 500	260	4F
	151	21 000	18 100	16 200	16 000	10 700	8 700	17	11	1 750	3 500	160	4D
	169	18 000	17 500	16 500	15 200	9 400	7 600	16	11	1 750	3 500	160	4D
	211	18 000	17 500	16 500	15 200	9 400	7 600	13	11	1 750	3 500	100	4B
	258	17 000	14 400	13 000	13 000	10 400	8 500	8	11	1 750	3 500	100	4B
	306	17 000	14 400	13 000	13 000	10 400	8 500	7	11	1 750	3 500	100	4B
L4	278	21 300	20 600	19 000	15 600	9 600	7 800	10	7.5	1 750	3 500	100	4B
	365	21 300	20 600	19 000	15 600	9 600	7 800	8	7.5	1 750	3 500	100	4B
	474	21 300	20 600	19 000	15 600	9 600	7 800	6.5	7.5	1 750	3 500	50	4A
	591	21 300	20 600	19 000	15 600	9 600	7 800	5.5	7.5	1 750	3 500	50	4A
	768	21 300	20 600	19 000	15 600	9 600	7 800	4.5	7.5	1 750	3 500	50	4A
	914	21 000	18 100	16 200	16 000	10 700	8 700	3.3	7.5	1 750	3 500	50	4A
	1090	18 000	17 500	16 500	15 200	9 400	7 600	2.7	7.5	1 750	3 500	50	4A
	1215	18 000	17 500	16 500	15 200	9 400	7 600	2.5	7.5	1 750	3 500	50	4A
	1516	18 000	17 500	16 500	15 200	9 400	7 600	2.1	7.5	1 750	3 500	50	4A
	1856	17 000	14 400	13 000	13 000	10 400	8 500	1.6	7.5	1 750	3 500	50	4A
	2202	17 000	14 400	13 000	13 000	10 400	8 500	1.4	7.5	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP309R

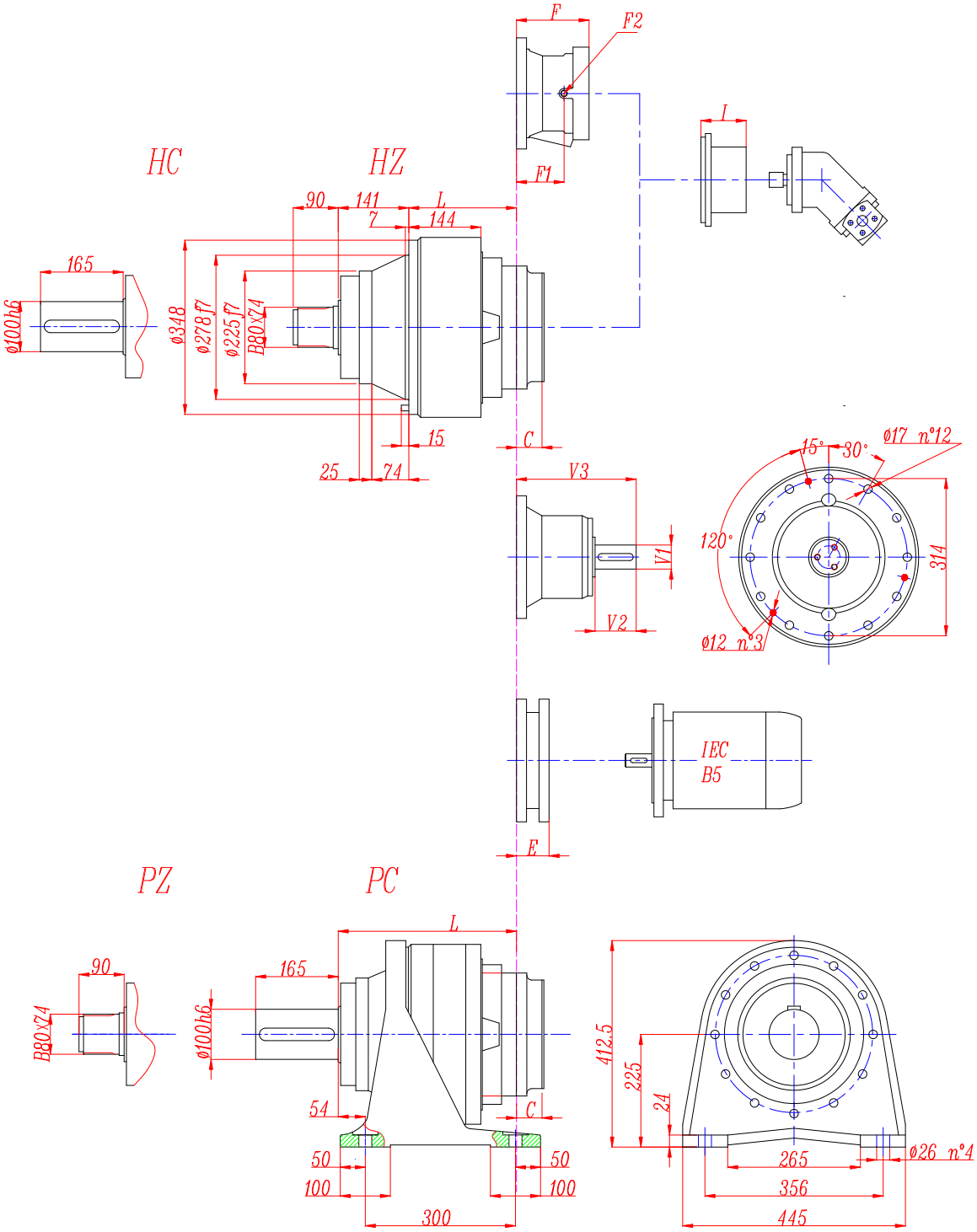
M2'=18500N.m



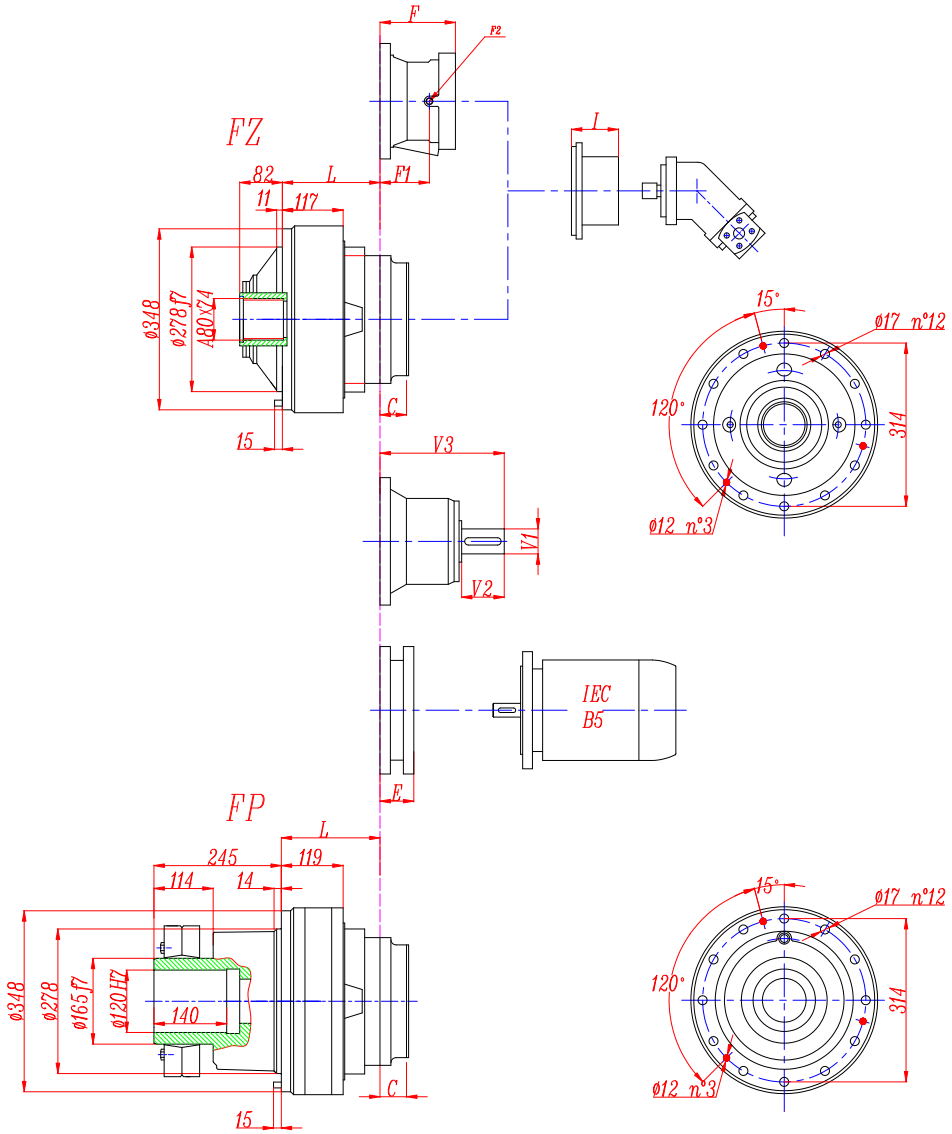
	I	Mn_2 (N.m)						P_1	P_t(KW) (ta=20℃)	n_1	n_{1max}	M_b	Brake type
	1:	n_2.h 10000	n_2.h 25000	n_2.h 50000	n_2.h 100000	n_2.h 500000	n_2.h 1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
R2	13	9 100	8 500	7 600	6 800	5 500	4 400	60	35	1 750	3 500	1000	5K
	16.7	11 000	9 800	8 900	12 500	7 900	6 400	50	35	1 750	3 500	1000	5K
	19.9	14 000	12 000	10 700	10 500	7 700	6 200	45	35	1 750	3 500	1000	5K
	23.6	16 000	14 000	12 500	11 200	8 000	6 500	45	35	1 750	3 500	800	5G
R3	32.2	12 000	11 000	9 500	7 200	4 400	3 600	25	20	1 750	3 500	440	4L
	41.3	14 300	12 600	10 000	8 600	5 600	4 800	22	20	1 750	3 500	440	4L
	47.4	17 300	14 600	11 000	9 600	5 600	4 800	20	20	1 750	3 500	440	4L
	56.4	18 000	17 000	16 000	14 200	8 400	6 600	20	20	1 750	3 500	400	4K
	67.3	21 000	18 100	16 200	16 000	10 700	8 700	22	20	1 750	3 500	400	4K
	75	18 000	17 500	16 500	15 200	9 400	7 600	20	20	1 750	3 500	330	4H
	91.7	17 000	14 400	13 000	13 000	10 400	8 500	18	20	1 750	3 500	260	4F
	109	17 000	14 400	13 000	13 000	10 400	8 500	16	20	1 750	3 500	260	4F
R4	128	21 300	20 600	19 000	15 600	9 600	7 800	15.5	14	1 750	3 500	260	4F
	168	21 300	20 600	19 000	15 600	9 600	7 800	15	14	1 750	3 500	160	4D
	219	21 300	20 600	19 000	15 600	9 600	7 800	12	14	1 750	3 500	160	4D
	260	18 000	17 500	16 500	15 200	9 400	7 600	10.5	14	1 750	3 500	100	4B
	310	21 000	18 100	16 200	16 000	10 700	8 700	9	14	1 750	3 500	100	4B
	346	18 000	17 500	16 500	15 200	9 400	7 600	8	14	1 750	3 500	100	4B
	433	18 000	17 500	16 500	15 200	9 400	7 600	7	14	1 750	3 500	50	4A
	529	17 000	14 400	13 000	13 000	10 400	8 500	4.5	14	1 750	3 500	50	4A
	627	17 000	14 400	13 000	13 000	10 400	8 500	4	14	1 750	3 500	50	4A
	714	7 000	5 900	5 500	5 500	4 700	3 850	1.5	12	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP309L


HC
HZ
F
F2
F1
L
90
141
7
144
165
ø100h6
ø348
ø278f7
ø225f7
B80X74
15
25
74
C
V3
V1
V2
15°
30°
ø17 n°12
120°
314
ø12 n°3
IEC
B5
E
PZ
PC
L
90
165
B80X74
ø100h6
54
C
50
100
50
100
300
412.5
225
24
265
356
445
ø26 n°4

MSEP309L



FP version

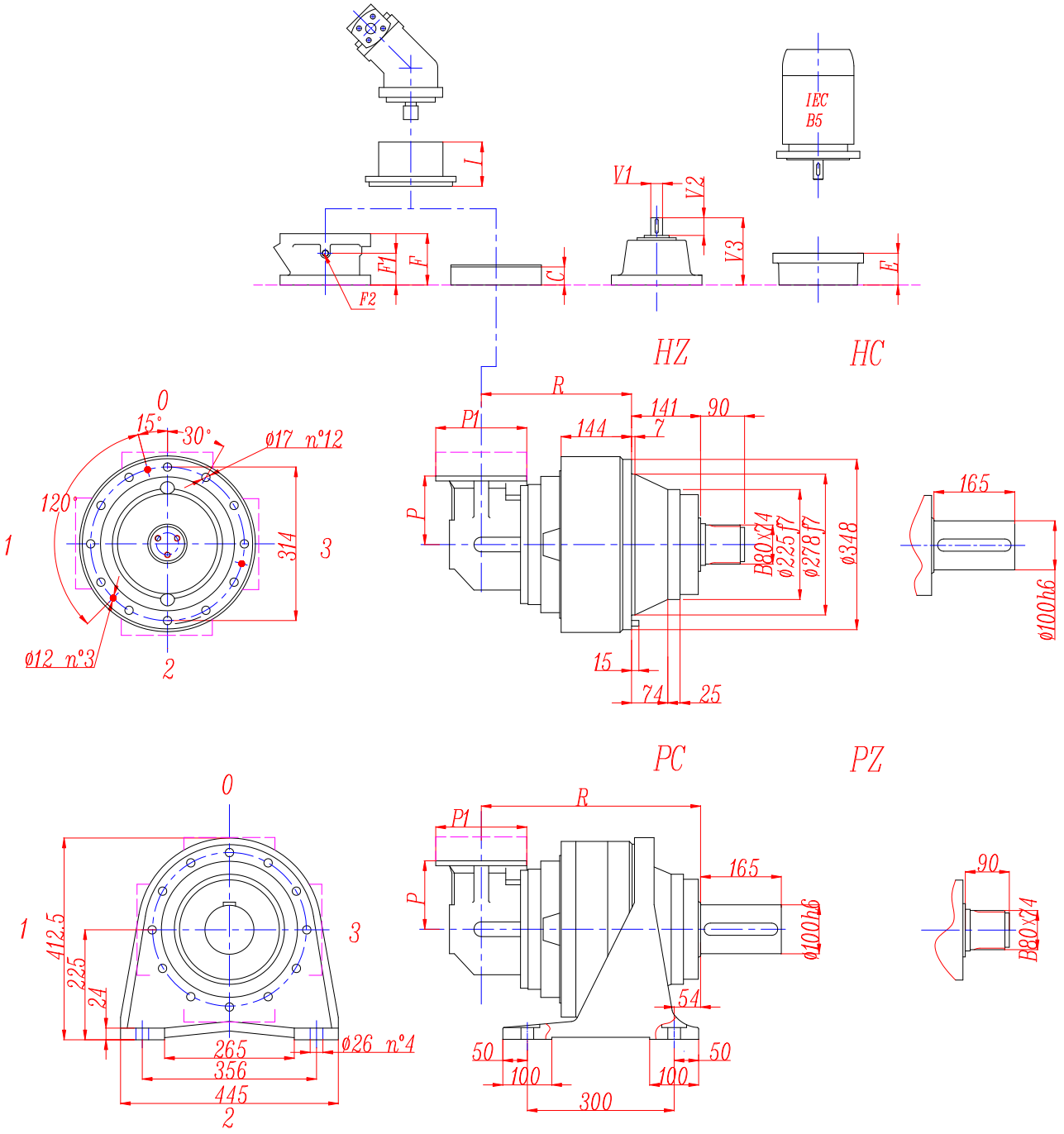
Max. transmissible

25000 N.m

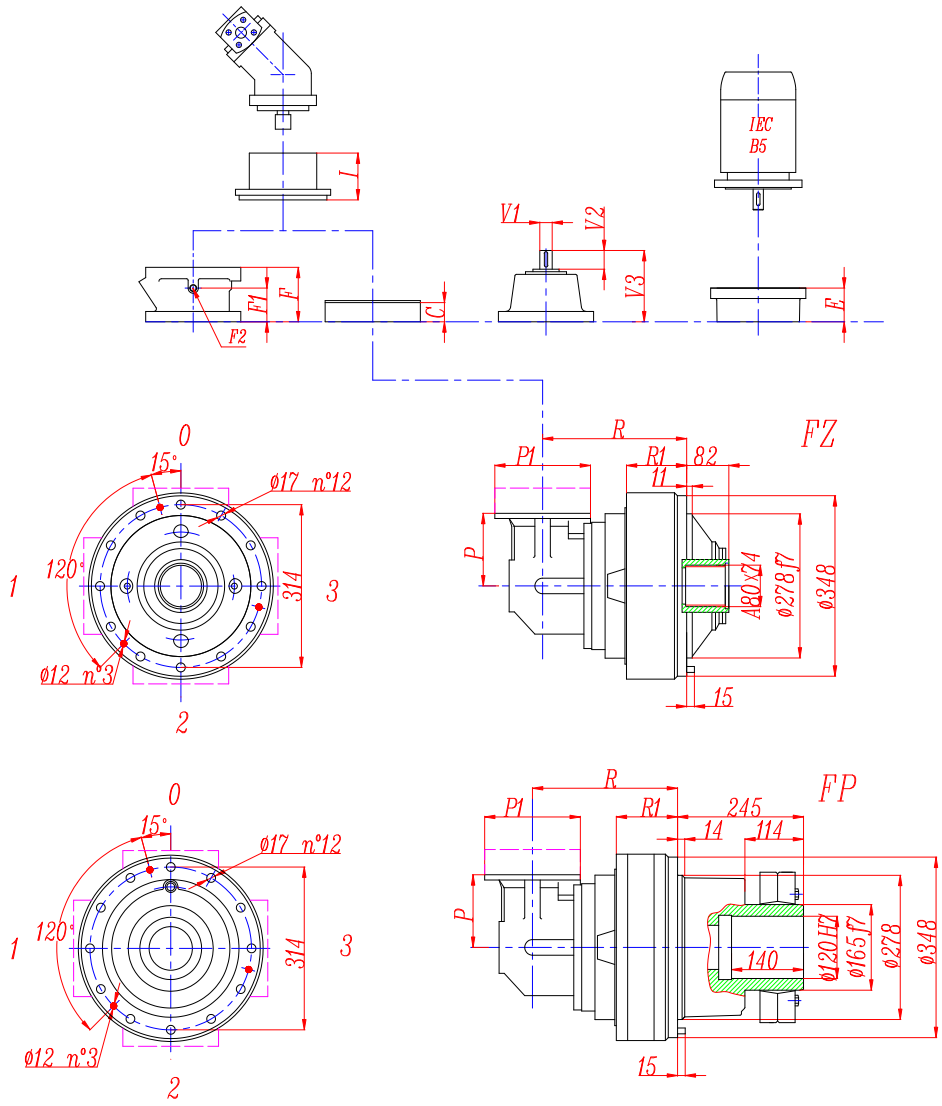
	L				Ref. weight (without input) (Kg)				C	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP			F	F1	F2	Type	Ref. Weight
309L1	127	268	127	127	131	176	100	131	51	According to hydraulic motor	196	115	1/4 G	6	75 Kg
309L2	220	361	220	220	150	195	119	150	37		142	88	1/4 G	5	38 Kg
309L3	285	426	285	285	159	204	128	159	37		105	65	1/4 G	4	18 Kg
309L4	338	479	338	358	167	212	136	167	37		105	65	1/4 G	4	18 Kg

	E (IEC motor input)													
	IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250			
309L1								159	159	198	198			
309L2						120	153	153	153	186				
309L3	77	97	97	107	107	120	153	153						
309L4	77	97	97	107	107	120	153	153						

MSEP309R


IEC
B5
V1
V2
V3
I
F1
F
F2
C
E
HZ
HC
0
15°
30°
Ø17 n°12
120°
1
2
3
314
Ø12 n°3
R
P1
144
141
90
7
P
B80x24
Ø225 f7
Ø278 f7
Ø348
165
Ø100h6
15
74
25
PC
PZ
412.5
225
24
265
356
445
Ø26 n°4
54
50
100
300
90
B80x24

MSEP309R



FP version

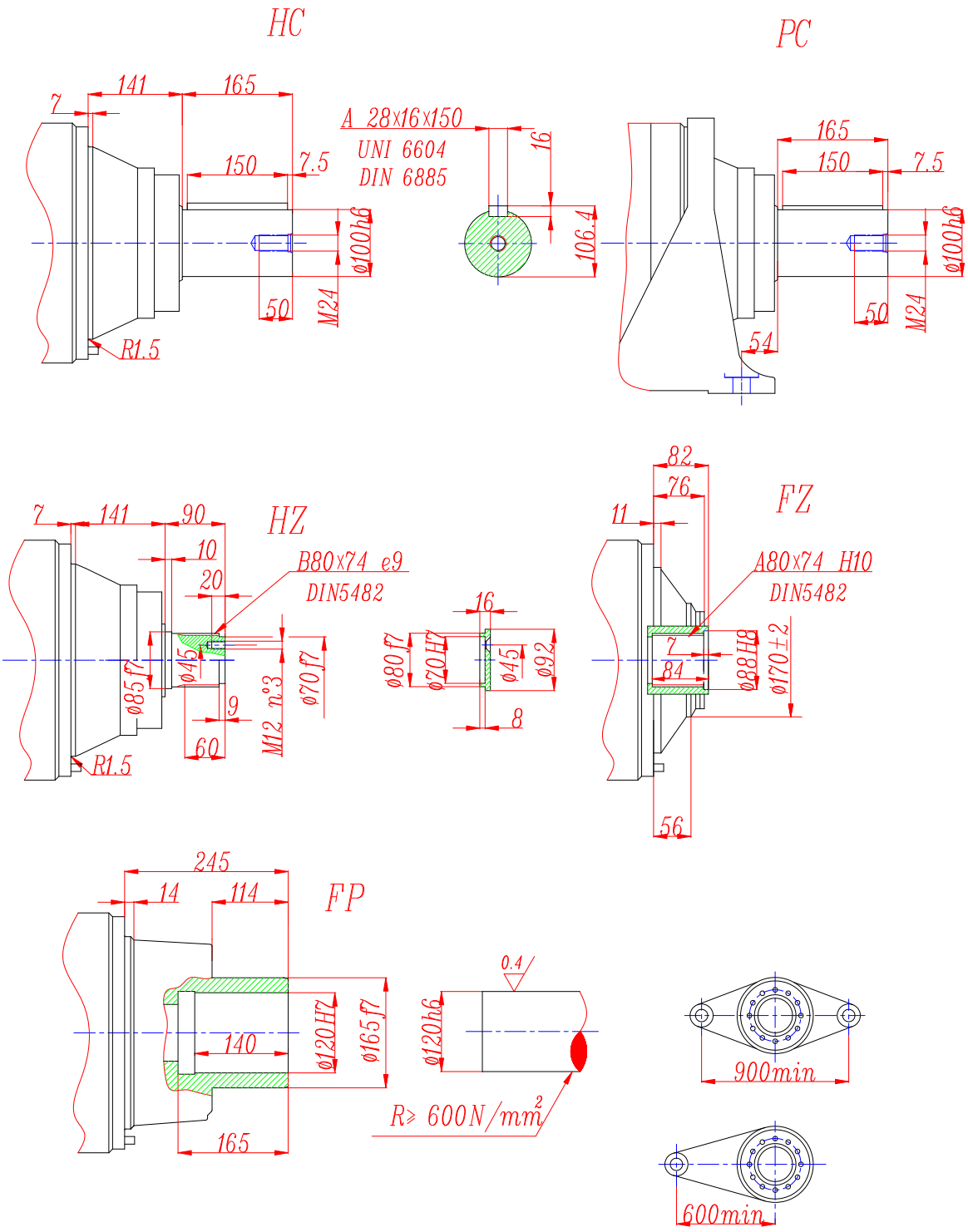
Max. transmissible

25000 N.m

	R				Ref. weight (without input) (Kg)				C	P	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP				F	F1	F2	Type	Ref. Weight Kg
309R2	282	423	282	282	275	320	244	275	37	209	According to hydraulic motor	142	88	1/4 G	4	38
309R3	327	468	327	327	186	231	155	186	37	140		105	65	1/4 G	4	18
309R4	363	504	363	363	173	218	142	173	37	122		105	65	1/4 G	4	18

	P1	R1				E (IEC motor input)									
		HZ	HC	FZ	FP	IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	IEC **250**
309R2	245	144	144	144	144						120	153	153	153	186
309R3	186	144	144	144	144	77	97	97	107	107	120	153	153		
309R4	186	144	144	144	144	77	97	97	107	107	120	153	153		

MSEP309L - MSEP309R

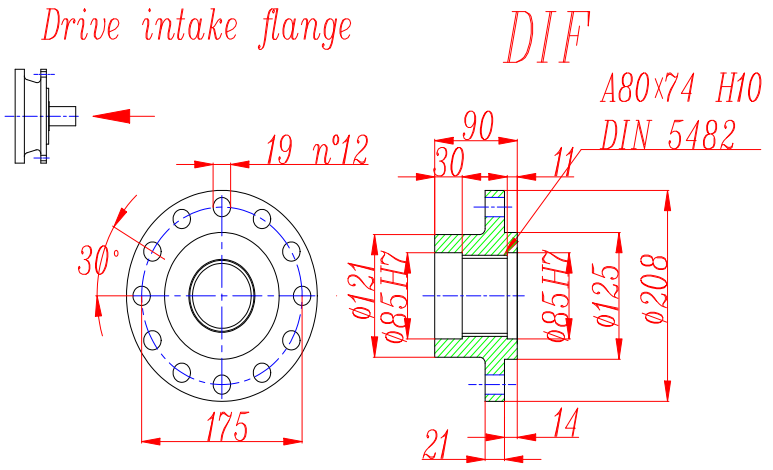


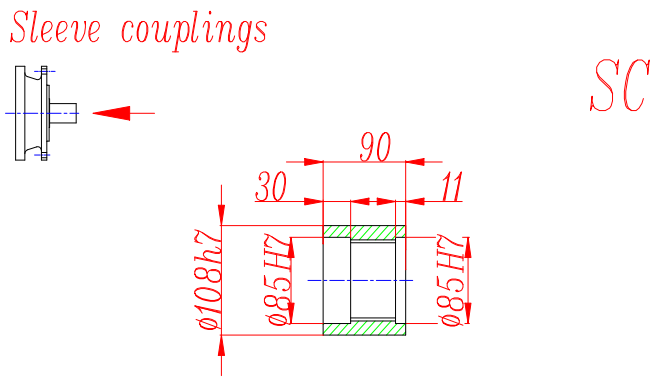
FP version

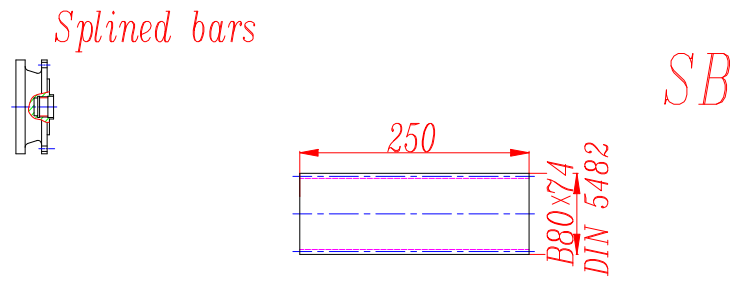
Max. transmissible

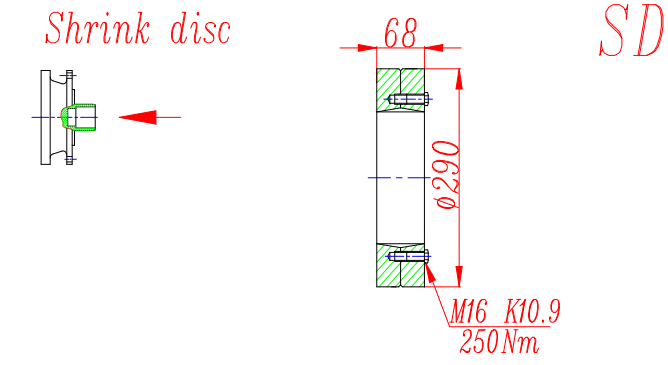
25000 N.m

MSEP309L - MSEP309R

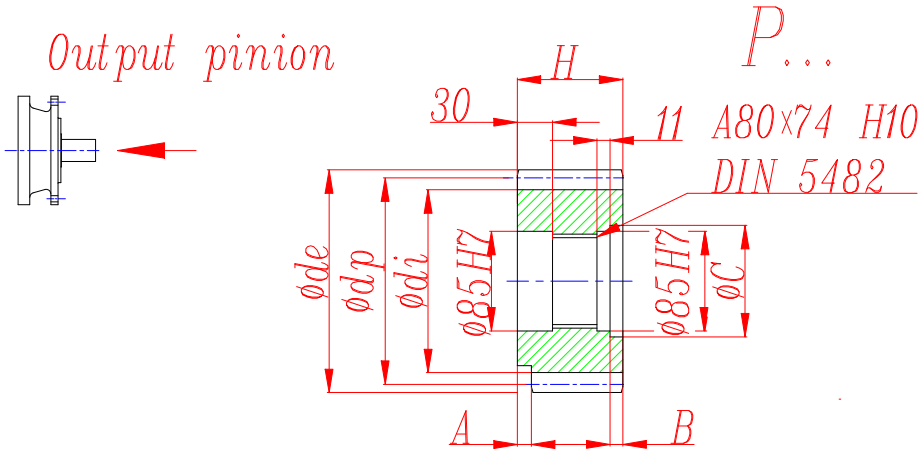




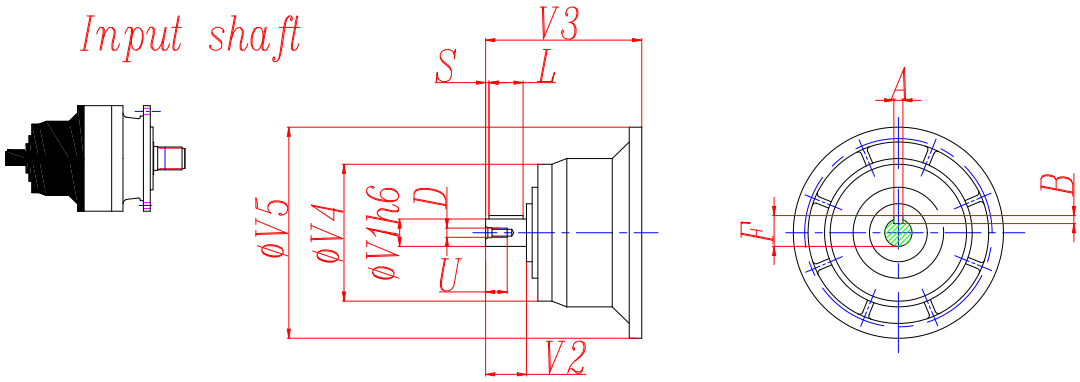




MSEP309L - MSEP309R



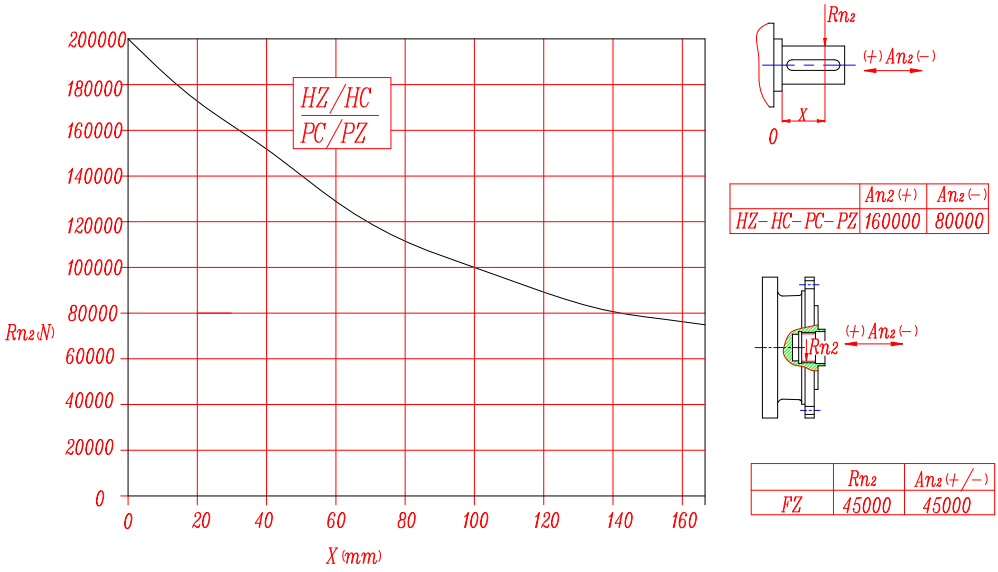
	m	z	x	dp	di	de	H	A	B	C
PFG	8	16	0.5000	128	117	149.5	90	0	0	0
PHC	10	12	0.4500	120	104	145	90	0	0	0
PHE	10	14	0.320	140	121	162.5	116	13	26	95
PHF	10	15	0.150	150	130	171.5	107	20	17	100
PHG	10	16	0.500	160	145	186	90	10	0	0
PHH1	10	17	0	170	145	190	90	0	0	0
PHH2	10	17	0.500	170	154	198	90	0	0	0
PLD	12	13	0.500	156	138	192	102	0	12	95
PLE	12	14	0.500	168	150	199.2	90	0	0	0
PLI	12	18	0.500	216	198	249.6	107	7	17	95
PLT	12	26	0	312	282	336	90	0	0	0



	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
309L1	V07B	80	130	315	200	345	22	14	85	110	10	M16	36
	V07A	60	105	313	155	345	18	11	64	90	7.5	M16	36
309L2	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
309L3	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
309L4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
309R2	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
309 R3-R4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28

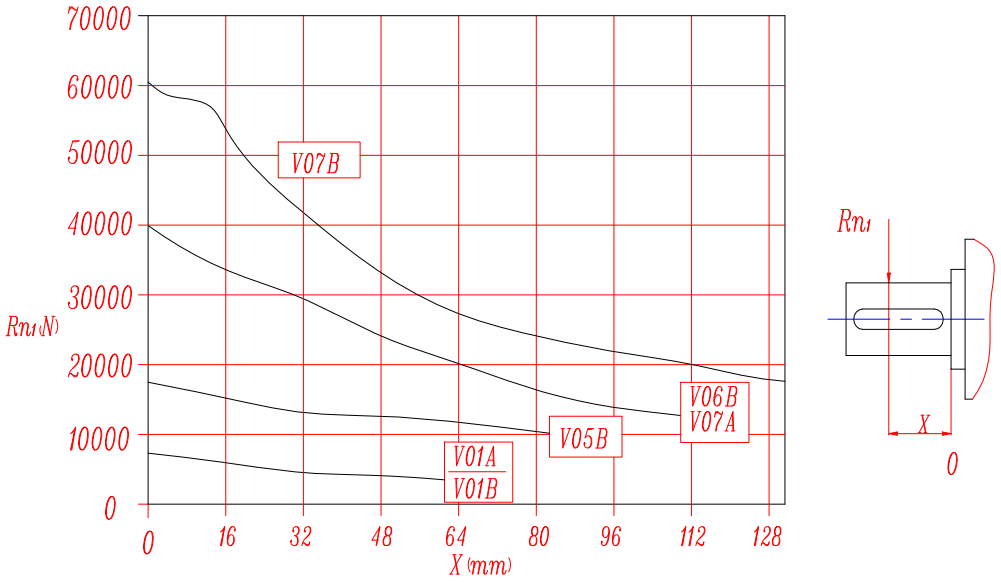
MSEP309L - MSEP309R

Permissible radial and axial loads on output shaft with Fh2 (n2 • h=10 000)



Load corrective factor fh2 on shafts	fh2= n2 • h		10 000	25 000	50 000	100 000	500 000	1 000 000
	fh2	FZ	1	0.74	0.58	0.46	0.27	0.21
		HZ-HC-PC-PZ	1	0.76	0.61	0.50	0.31	0.25

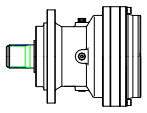
Permissible radial loads on input shaft with Fh1 (n1 • h=250 000)



Load corrective factor fh1 on shafts	Fh1= n1 • h	250 000	500 000	1 000 000	2 00 000	5 000 000	10 000 000
	fh1	1	0.79	0.63	0.50	0.37	0.29

MSEP310L

M2'=25000N.m

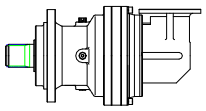


	I	Mn_2 (N.m)						P_1	P_t(KW)	n_1	n_{1max}	M_b	Brake type
		n_2.h	n_2.h	n_2.h	n_2.h	n_2.h	n_2.h		(ta=20℃)				
	1:	10000	25000	50000	100000	500000	1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
L1	4.2	30000	30000	26000	21000	13000	11000	150	35	1000	1500		
	5.0	29000	25000	22000	20000	13000	11000	150	35	1000	1500		
	6.8	26000	21000	18000	17000	12000	10000	150	35	1000	1500		
L2	15.5	30000	30000	26000	21000	13000	11000	100	22	1500	2500	2100	6G
	17.6	30000	30000	26000	21000	13000	11000	90	22	1500	2500	2100	6G
	21.0	29000	25000	22000	20000	13000	11000	80	22	1500	2500	1500	6E
	24.7	29000	25000	22000	20000	13000	11000	75	22	1500	2500	1500	6E
	28.9	29000	25000	22000	20000	13000	11000	70	22	1500	2500	1100	6C
	33.7	26000	21000	18000	17000	12000	10000	65	22	1500	2500	1100	6C
	39.4	26000	21000	18000	17000	12000	10000	55	22	1500	2500	850	6B
	48.3	26000	21000	18000	17000	12000	10000	50	22	1500	2500	850	6B
L3	56.7	30000	30000	26000	21000	13000	11000	50	18	1 750	3 500	630	5E
	73.9	30000	30000	26000	21000	13000	11000	42	18	1 750	3 500	630	5E
	88.0	30000	30000	26000	21000	13000	11000	37	18	1 750	3 500	500	5C
	105	29000	25000	22000	20000	13000	11000	32	18	1 750	3 500	400	5B
	124	29000	25000	22000	20000	13000	11000	28	18	1 750	3 500	400	5B
	145	29000	25000	22000	20000	13000	11000	24	18	1 750	3 500	400	5B
	161	29000	25000	22000	20000	13000	11000	22	18	1 750	3 500	400	5B
	197	29000	25000	22000	20000	13000	11000	19	18	1 750	3 500	400	5B
	220	26000	21000	18000	17000	12000	10000	14	18	1 750	3 500	400	5B
	269	26000	21000	18000	17000	12000	10000	11.5	18	1 750	3 500	400	5B
	330	26000	21000	18000	17000	12000	10000	9.5	18	1 750	3 500	400	5B
L4	329	30000	30000	26000	21000	13000	11000	12	11	1 750	3 500	100	4B
	426	30000	30000	26000	21000	13000	11000	9.5	11	1 750	3 500	100	4B
	508	30000	30000	26000	21000	13000	11000	8.5	11	1 750	3 500	100	4B
	604	29000	25000	22000	20000	13000	11000	6.5	11	1 750	3 500	100	4B
	713	29000	25000	22000	20000	13000	11000	5.6	11	1 750	3 500	50	4A
	834	29000	25000	22000	20000	13000	11000	4.8	11	1 750	3 500	50	4A
	930	29000	25000	22000	20000	13000	11000	4.4	11	1 750	3 500	50	4A
	1160	29000	25000	22000	20000	13000	11000	3.8	11	1 750	3 500	50	4A
	1268	26000	21000	18000	17000	12000	10000	3	11	1 750	3 500	50	4A
	1420	29000	25000	22000	20000	13000	11000	3.3	11	1 750	3 500	50	4A
	1582	26000	21000	18000	17000	12000	10000	2.5	11	1 750	3 500	50	4A
	1937	26000	21000	18000	17000	12000	10000	2.2	11	1 750	3 500	50	4A
	2373	26000	21000	18000	17000	12000	10000	1.8	11	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP310R

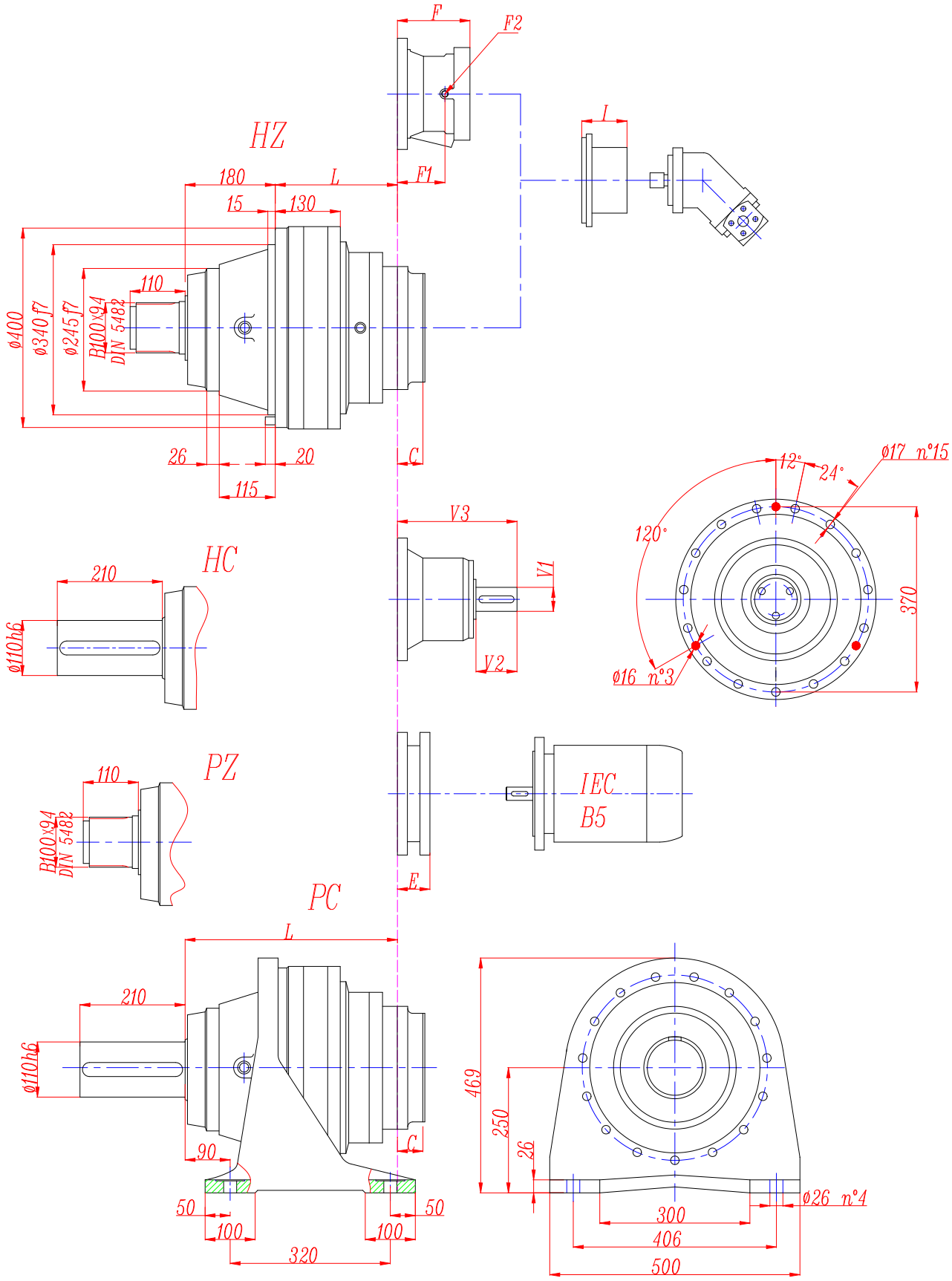
M2'=25000N.m



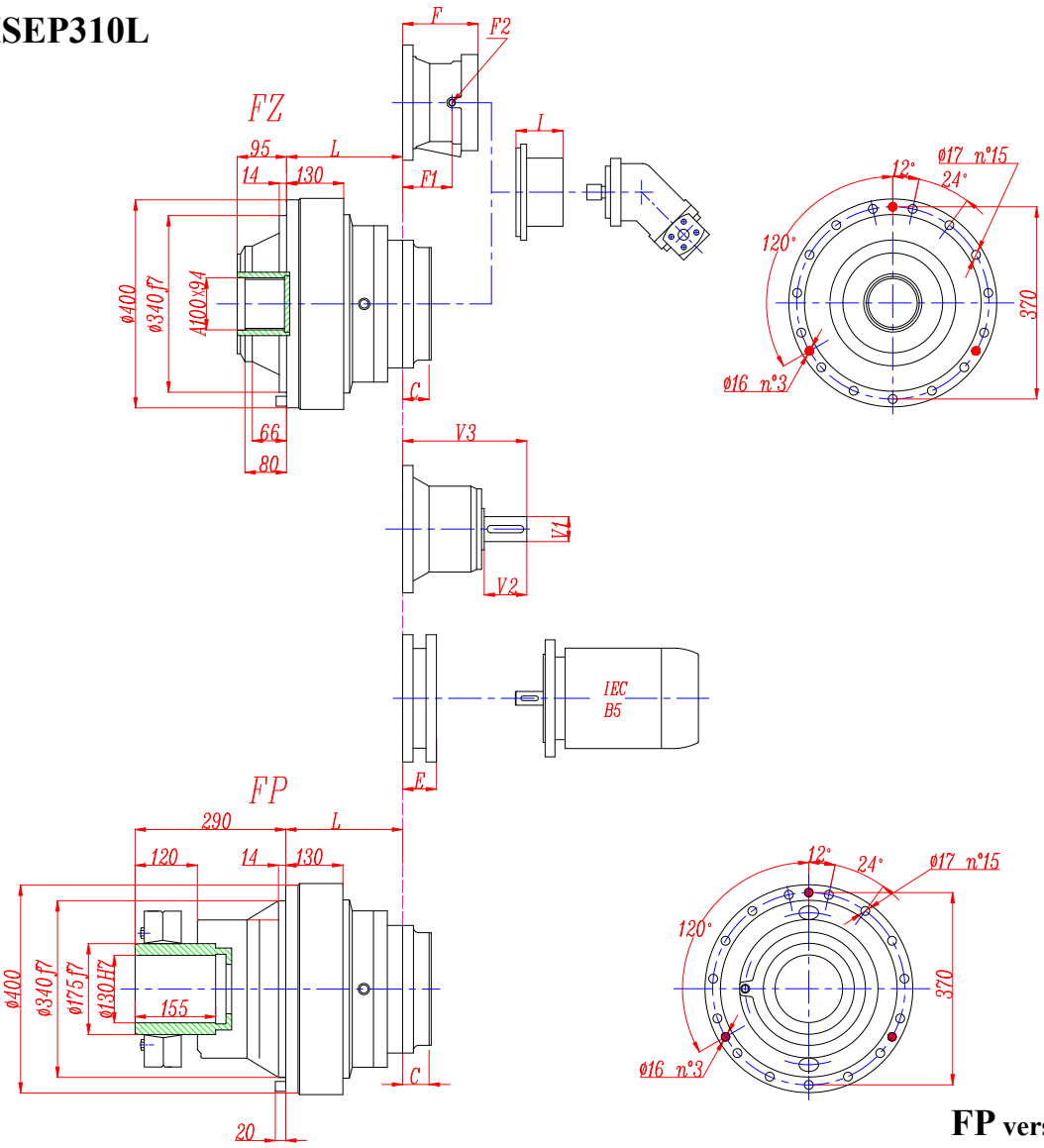
	I	Mn_2 (N.m)						P_1	P_t(KW)	n_1	n_{1max}	M_b	Brake type
	1:	n_2.h 10000	n_2.h 25000	n_2.h 50000	n_2.h 100000	n_2.h 500000	n_2.h 1000000	(KW)	(ta=20℃) (n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
R2	12.3	21000	20000	19000	16000	10000	8000	130	55	1 500	2 500	2600	6K
	14.6	25000	21500	20000	17500	11000	8500	130	55	1 500	2 500	2100	6G
	20.0	26000	21000	18000	17000	12000	10000	130	55	1 500	2 500	1500	6E
R3	39.6	21000	20000	19000	16000	10000	8000	45	20	1 750	3 500	440	4L
	45.1	26000	21000	18000	17000	12000	10000	45	20	1 750	3 500	440	4L
	53.7	29000	25000	22000	20000	13000	11000	41	20	1 750	3 500	440	4L
	63.3	29000	25000	22000	20000	13000	11000	37	20	1 750	3 500	440	4L
	74.1	29000	25000	22000	20000	13000	11000	33	20	1 750	3 500	440	4L
	86.3	26000	21000	18000	17000	12000	10000	27	20	1 750	3 500	400	4K
	101	26000	21000	18000	17000	12000	10000	24	20	1 750	3 500	400	4K
	124	26000	21000	18000	17000	12000	10000	20	20	1 750	3 500	330	4H
R4	145	30000	30000	26000	21000	13000	11000	21	14	1 750	3 500	330	4H
	189	30000	30000	26000	21000	13000	11000	17	14	1 750	3 500	330	4H
	226	30000	30000	26000	21000	13000	11000	15	14	1 750	3 500	260	4F
	268	29000	25000	22000	20000	13000	11000	13	14	1 750	3 500	160	4D
	317	29000	25000	22000	20000	13000	11000	11.5	14	1 750	3 500	160	4D
	371	29000	25000	22000	20000	13000	11000	10.2	14	1 750	3 500	100	4B
	413	29000	25000	22000	20000	13000	11000	9.3	14	1 750	3 500	100	4B
	505	29000	25000	22000	20000	13000	11000	7.7	14	1 750	3 500	100	4B
	563	26000	21000	18000	17000	12000	10000	6	14	1 750	3 500	100	4B
	689	26000	21000	18000	17000	12000	10000	5	14	1 750	3 500	50	4A
	845	26000	21000	18000	17000	12000	10000	4.3	14	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP310L


F
F2
HZ
180
L
F1
15
130
I
110
ø400
ø340 f7
ø245 f7
B100x94
DIN 5482
26
20
C
115
V3
V1
V2
HC
210
ø110h6
12°
24°
ø17 n°15
120°
370
ø16 n°3
PZ
110
B100x94
DIN 5482
IEC
B5
E
PC
L
210
ø110h6
90
C
50
50
100
100
320
469
250
26
ø26 n°4
300
406
500

MSEP310L



FP version

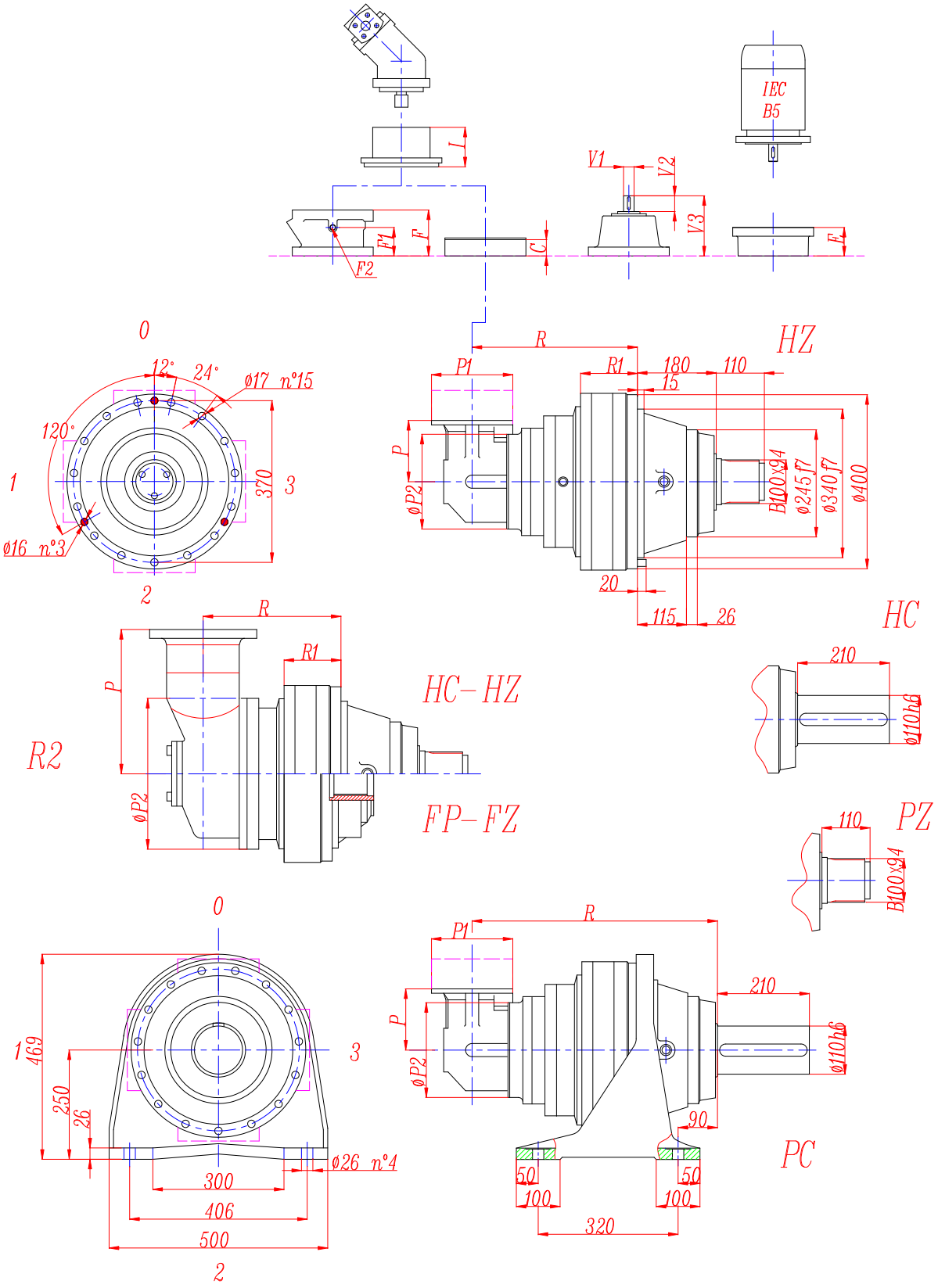
Max. transmissible

36000 N.m

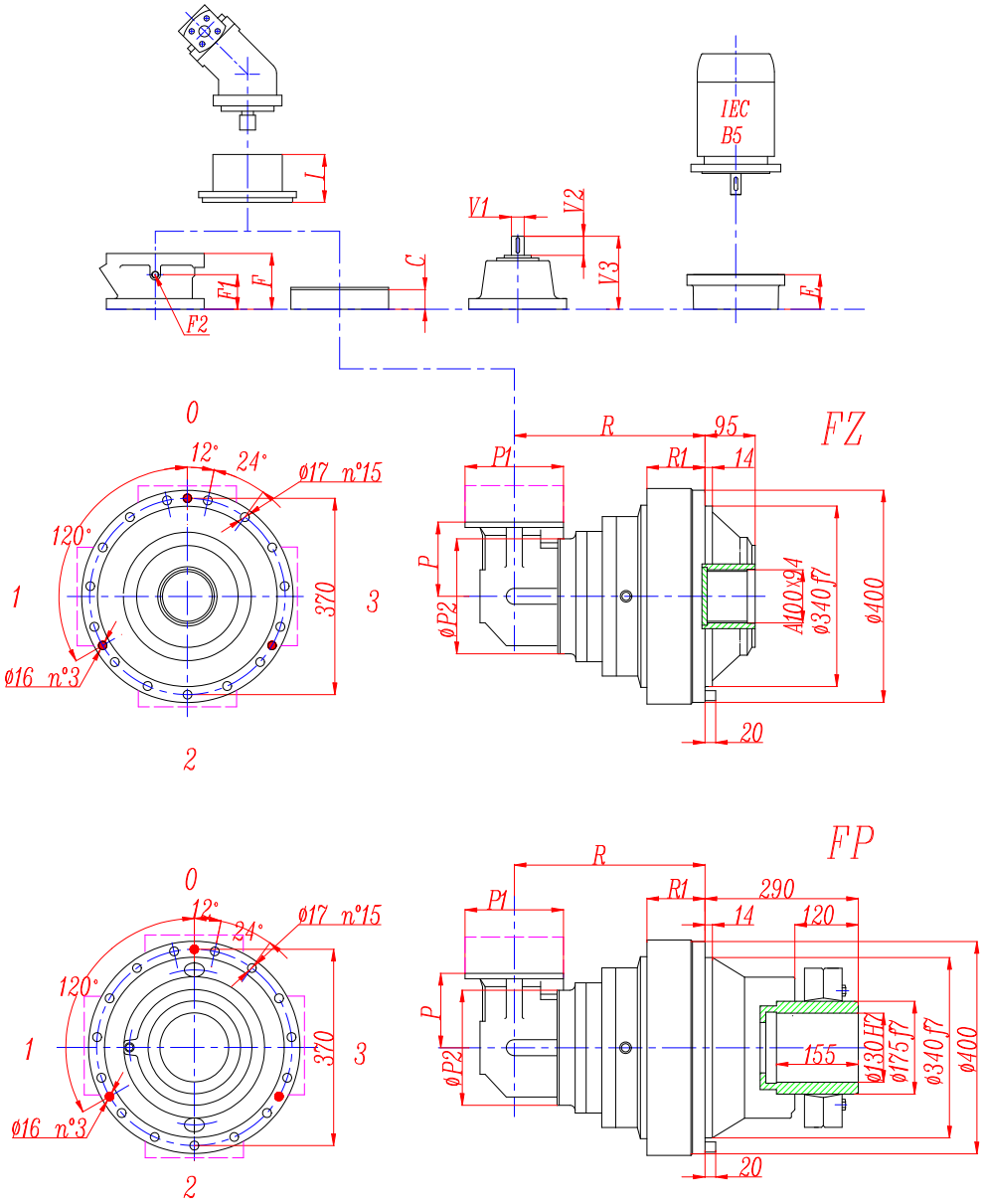
	L				Ref. weight (without input) (Kg)				C	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP			F	F1	F2	Type	Ref. Weight
310L1	110	290	110	110	185	238	150	185	68	According to hydraulic motor					
310L2	226	406	226	226	218	271	183	218	45		196	115	1/4 G	6	75 Kg
310L3	295	475	295	295	232	285	216	232	37		142	88	1/4 G	5	38 Kg
310L4	348	528	348	348	240	293	224	240	37		105	65	1/4 G	4	18 Kg

	E (IEC motor input)													
	IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250			
310L1									186	215	215			
310L2							153	153	163	192	192			
310L3						120	153	153	153	186				
310L4	77	97	97	107	107	120	153	153						

MSEP310R


IEC
B5
V1
V2
V3
I
F1
F
C
F2
0
12°
24°
Ø17 n°15
120°
1
370
3
Ø16 n°3
2
R
P1
R1
180
110
15
P
ØP2
B100x94
Ø245f7
Ø340f7
Ø400
20
115
26
HZ
HC
210
Ø110h6
R
R1
P
ØP2
HC– HZ
R2
FP– FZ
110
PZ
B100x94
0
469
250
26
3
Ø26 n°4
300
406
500
2
R
P1
210
P
ØP2
Ø110h6
90
50
100
50
100
320
PC

MSEP310R



FP version

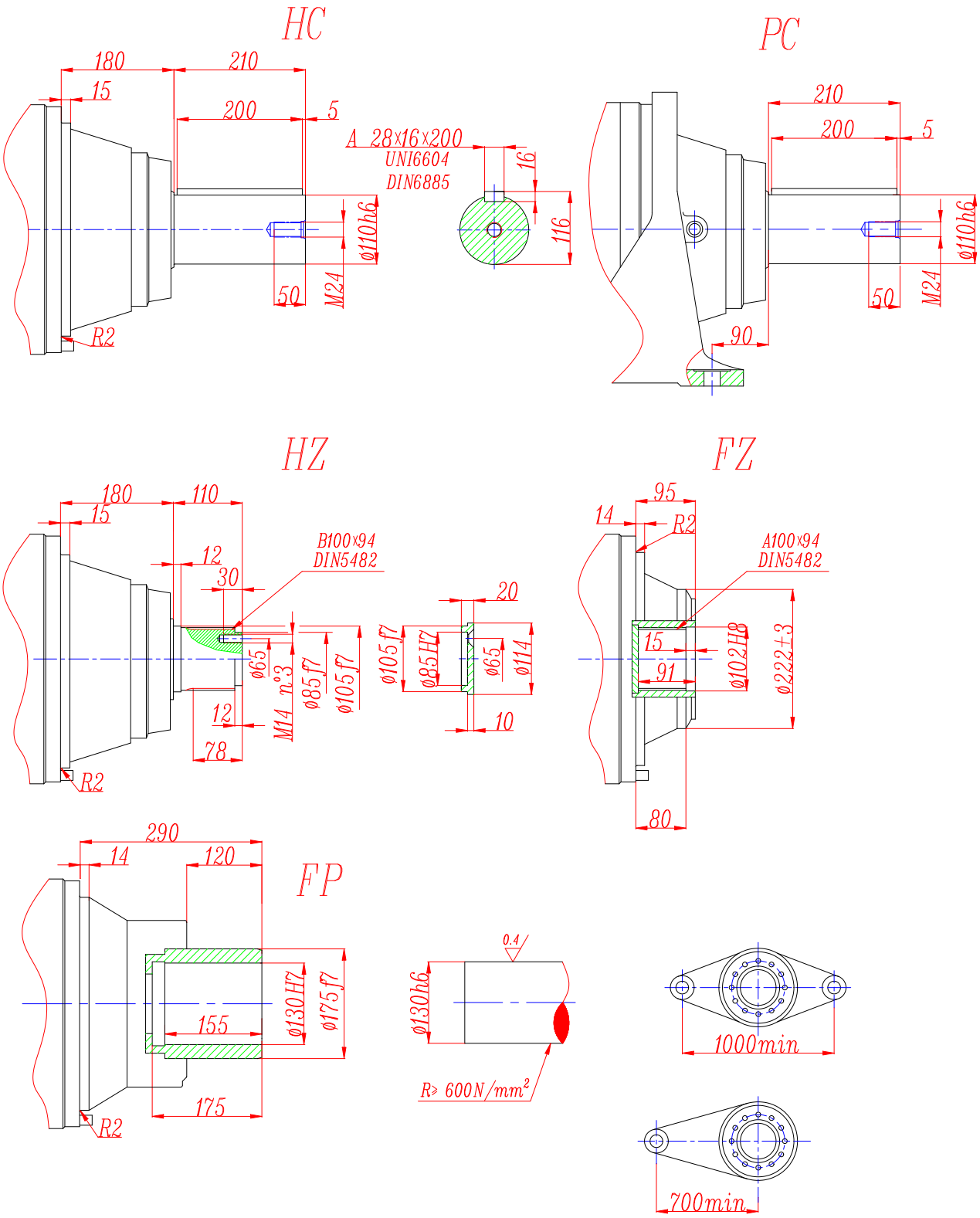
Max. transmissible

36000 N.m

	R				Ref. weight (without input) (Kg)				C	P	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP				F	F1	F2	Type	Ref. Weight Kg
310R2	315	495	218	295	320	336	288	320	45	345	According to hydraulic motor	196	115	1/4 G	6	75
310R3	400	580	400	400	302	352	252	302	37	159		142	88	1/4 G	5	38
310R4	439	619	439	439	268	318	218	268	37	149		105	65	1/4 G	4	18

	P1	R1				E (IEC motor input)									
		HZ	HC	FZ	FP	IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	IEC 225
310R2	292	130	130	130	130							153	153	163	192
310R3	186	130	130	130	130						120	153	153	153	186
310R4	186	130	130	130	130	77	97	97	107	107	120	153	153		

MSEP310L - MSEP310R

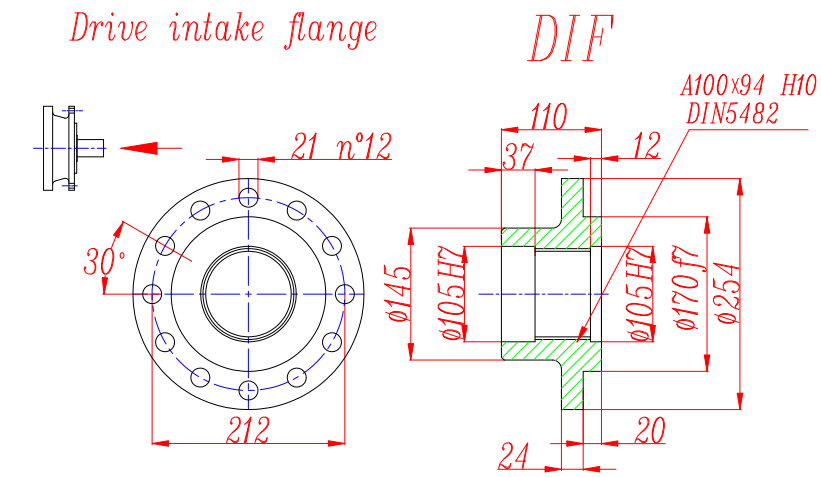


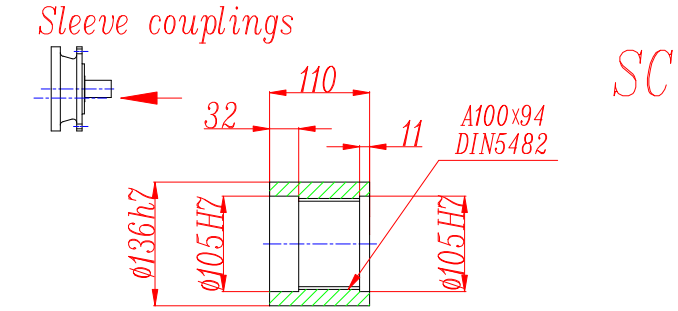
FP version

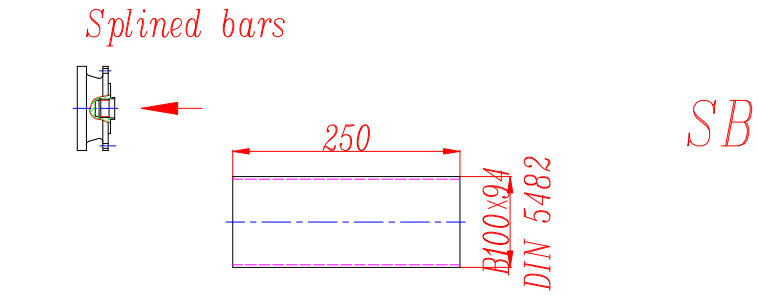
Max. transmissible

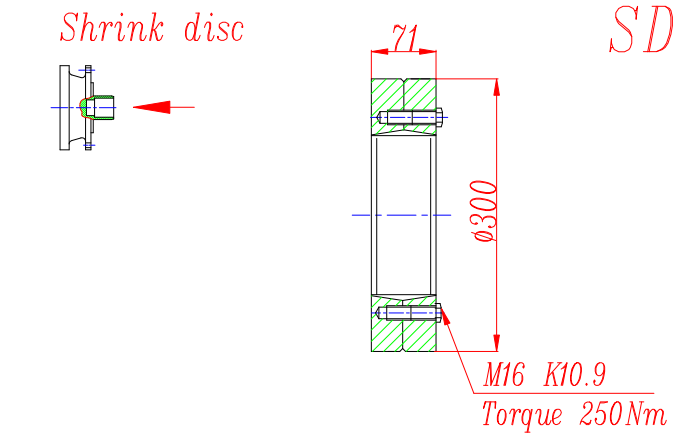
36000 N.m

MSEP310L - MSEP310R

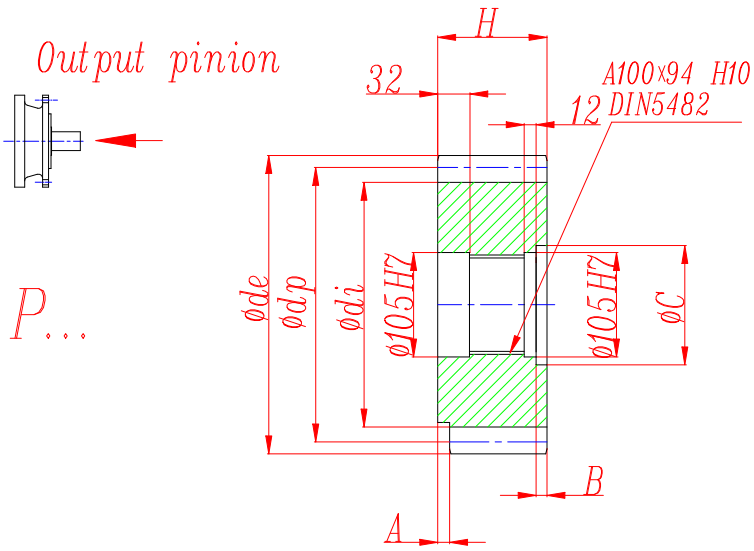




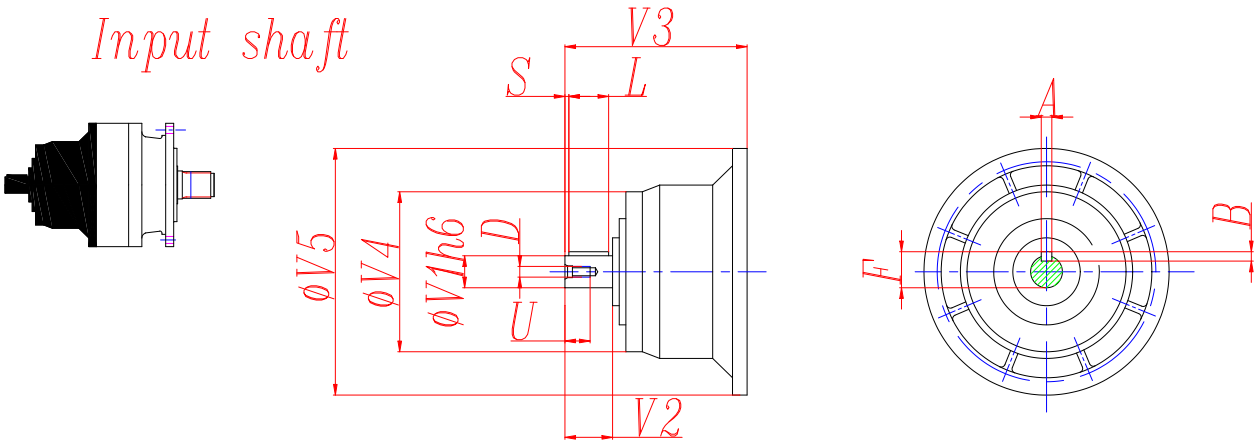




MSEP310L - MSEP310R



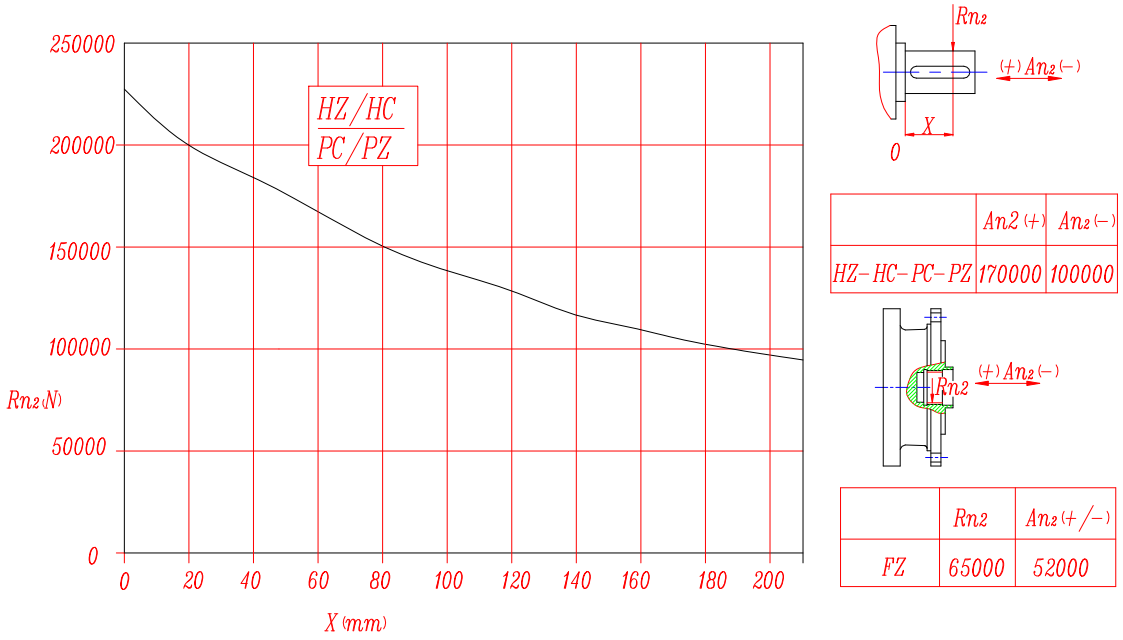
	m	z	x	dp	di	de	H	A	B	C
PLQ	12	23	0	276	246	300	110	0	0	0
PPD	16	13	0.5000	208	184	252.5	145	0	35	116
PPF	16	15	0.450	240	215	280	125	0	15	120



	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
310L1	V10B	80	130	377	200	400	22	14	85	110	10	M16	36
310L2	V06B	60	105	307	155	292	18	11	64	90	7.5	M16	36
310L3	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
310L4	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
	V01B	38	58	158	120	186	10	8	41	50	4	M12	28
310R2	V06B	60	105	307	155	292	18	11	64	90	7.5	M16	36
310 R3-R4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28

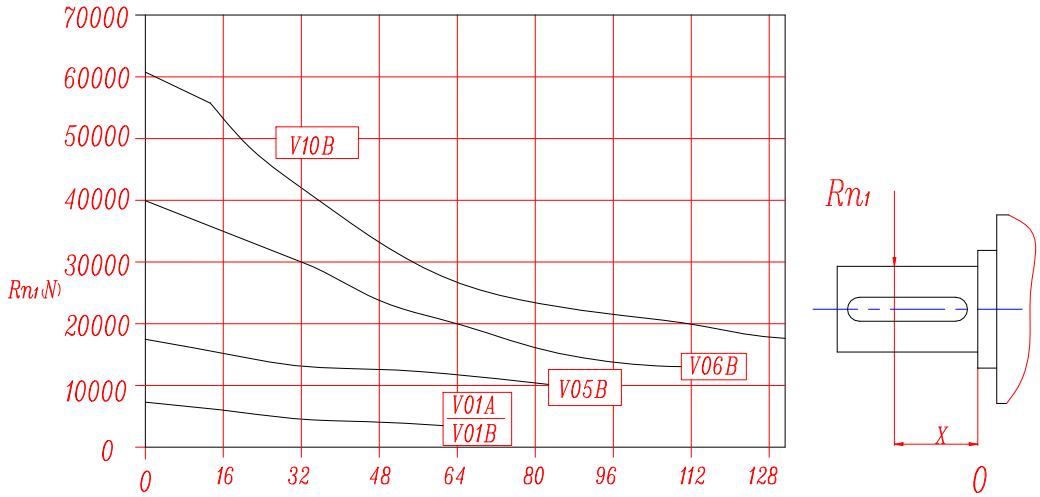
MSEP310L - MSEP310R

Permissible radial and axial loads on output shaft with Fh2 (n2 • h=10 000)



Load corrective factor fh2 on shafts	fh2= n2 • h		10 000	25 000	50 000	100 000	500 000	1 000 000
	fh2	FZ	1	0.74	0.58	0.46	0.27	0.21
		HZ-HC-PC-PZ	1	0.76	0.61	0.50	0.31	0.25

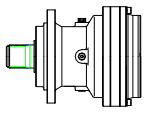
Permissible radial loads on input shaft with Fh1 (n1 • h=250 000)



Load corrective factor fh1 on shafts	Fh1= n1 • h	250 000	500 000	1 000 000	2 00 000	5 000 000	10 000 000
	fh1	1	0.79	0.63	0.50	0.37	0.29

MSEP311L

M2'=35000N.m

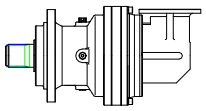


	I	Mn_2 (N.m)						P_1	P_t(KW)	n_1	n_{1max}	M_b	Brake type
		n_2.h	n_2.h	n_2.h	n_2.h	n_2.h	n_2.h		(ta=20℃)				
	1:	10000	25000	50000	100000	500000	1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
L1	4.1	45000	45000	37400	32000	19700	16000	180	35	750	1000		
	5.3	43000	36500	32300	32000	19700	16000	180	35	750	1000		
	6.2	34000	29500	27000	27000	18600	15100	180	35	750	1000		
L2	14.0	45000	45000	37400	32000	19700	16000	100	25	1500	2500	3200	6L
	18.0	45000	45000	37400	32000	19700	16000	100	25	1500	2500	3200	6L
	23.1	43000	36500	32300	32000	19700	16000	100	25	1500	2500	2600	6K
	27.6	43000	36500	32300	32000	19700	16000	100	25	1500	2500	2100	6G
	32.7	43000	36500	32300	32000	19700	16000	90	25	1500	2500	2100	6G
	38.8	34000	29500	27000	27000	18600	15100	80	25	1500	2500	1500	6E
	51.4	45000	45000	37400	32000	19700	16000	60	18	1 750	3 500	1000	5K
	66.0	45000	45000	37400	32000	19700	16000	50	18	1 750	3 500	1000	5K
L3	75.6	45000	45000	37400	32000	19700	16000	46	18	1 750	3 500	800	5G
	84.7	43000	36500	32300	32000	19700	16000	42	18	1 750	3 500	630	5E
	97.0	43000	36500	32300	32000	19700	16000	38	18	1 750	3 500	630	5E
	116	43000	36500	32300	32000	19700	16000	35	18	1 750	3 500	500	5C
	138	43000	36500	32300	32000	19700	16000	30	18	1 750	3 500	500	5C
	154	43000	36500	32300	32000	19700	16000	28	18	1 750	3 500	400	5B
	188	43000	36500	32300	32000	19700	16000	25	18	1 750	3 500	400	5B
	223	43000	36500	32300	32000	19700	16000	22	18	1 750	3 500	400	5B
	265	34000	29500	27000	27000	18600	15100	16	18	1 750	3 500	400	5B
	256	45000	45000	37400	32000	19700	16000	23	11	1 750	3 500	260	4F
	287	43000	36500	32300	32000	19700	16000	21	11	1 750	3 500	260	4F
L4	336	45000	45000	37400	32000	19700	16000	18	11	1 750	3 500	260	4F
	436	45000	45000	37400	32000	19700	16000	14	11	1 750	3 500	160	4D
	560	43000	36500	32300	32000	19700	16000	11.2	11	1 750	3 500	160	4D
	666	43000	36500	32300	32000	19700	16000	9.5	11	1 750	3 500	100	4B
	795	43000	36500	32300	32000	19700	16000	8	11	1 750	3 500	100	4B
	886	43000	36500	32300	32000	19700	16000	7.3	11	1 750	3 500	100	4B
	1106	43000	36500	32300	32000	19700	16000	6	11	1 750	3 500	100	4B
	1353	43000	36500	32300	32000	19700	16000	5	11	1 750	3 500	50	4A
	1606	43000	36500	32300	32000	19700	16000	4.3	11	1 750	3 500	50	4A
	1906	34000	29500	27000	27000	18600	15100	3.1	11	1 750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP311R

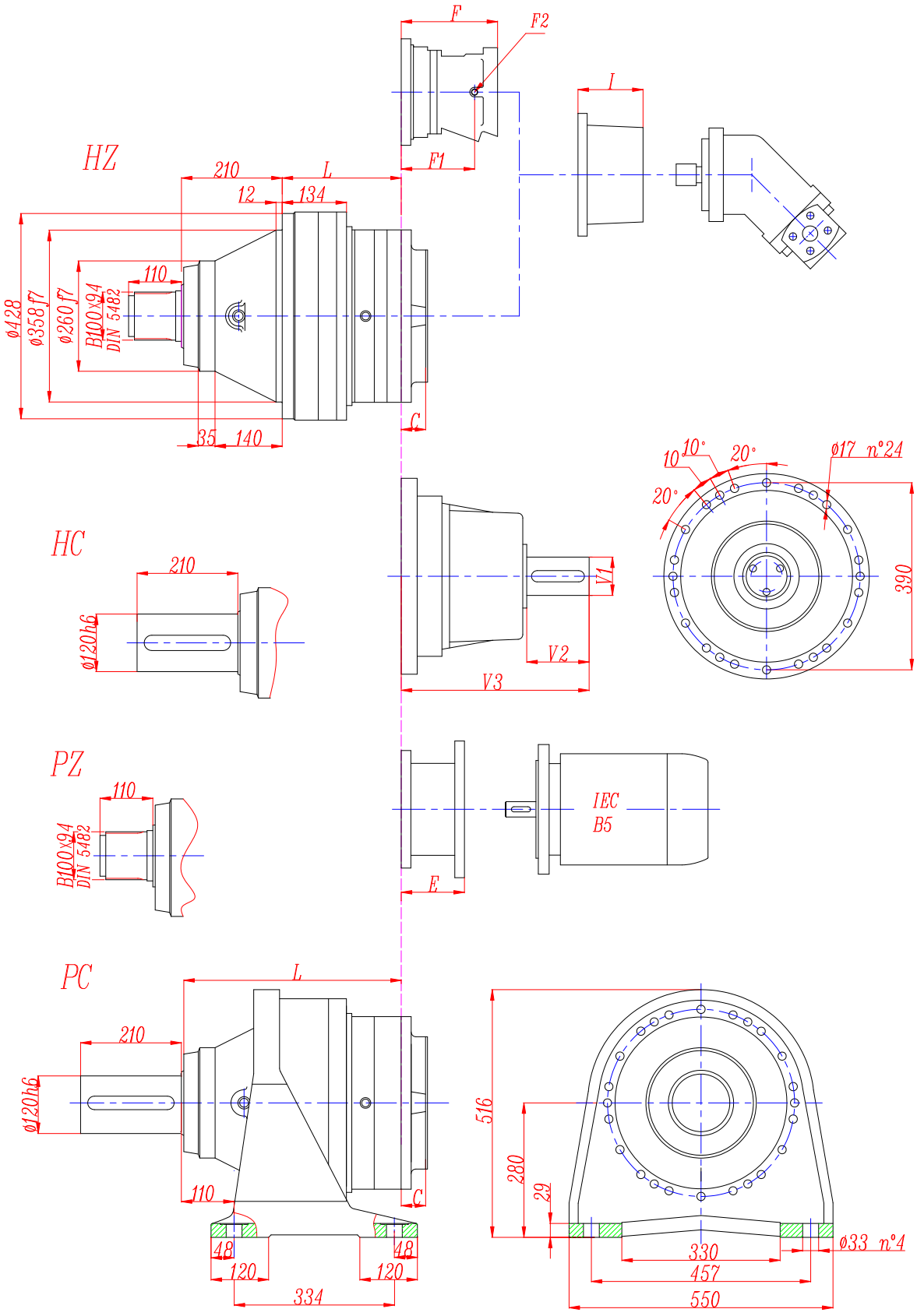
M2'=35000N.m



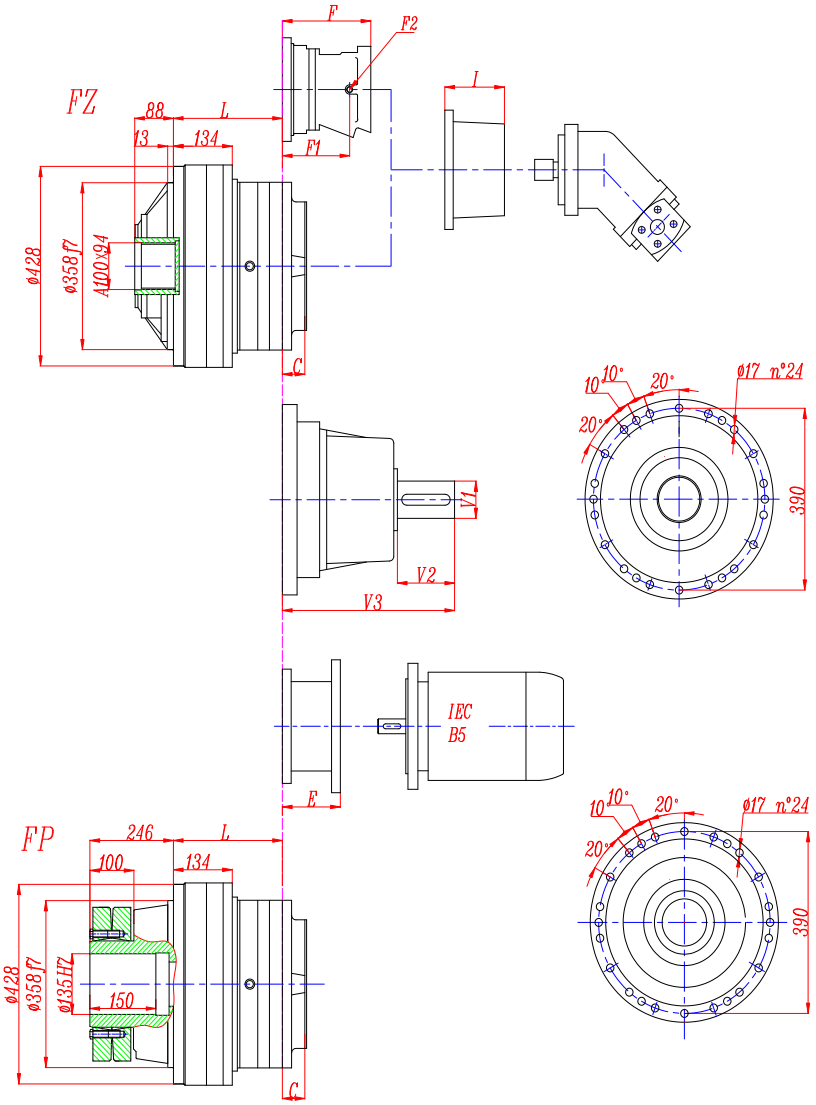
	I	Mn_2 (N.m)						P_1	P_t(KW)	n_1	n_{1max}	M_b	Brake type
	1:	n_2.h 10000	n_2.h 25000	n_2.h 50000	n_2.h 100000	n_2.h 500000	n_2.h 1000000	(KW)	(ta=20℃) (n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
R2	12.0	28000	27000	25000	24000	16000	12500	150	75	1 500	2 500	3200	6L
	15.4	35000	33000	31000	30000	18000	15000	150	75	1 500	2 500	3200	6L
	18.2	34000	30000	27000	26000	18000	15000	150	75	1 500	2 500	2600	6K
R3	53.1	34000	29500	27000	27000	18600	15100	60	40	1 750	3 500	800	5G
	68.1	45000	45000	37400	32000	19700	16000	50	40	1 750	3 500	800	5G
	87.5	43000	36500	32300	32000	19700	16000	45	40	1 750	3 500	630	5E
	104	43000	36500	32300	32000	19700	16000	40	40	1 750	3 500	630	5E
	124	43000	36500	32300	32000	19700	16000	35	40	1 750	3 500	500	5C
	147	34000	29500	27000	27000	18600	15100	30	40	1 750	3 500	400	5B
R4	194	45000	45000	37400	32000	19700	16000	32	22	1 750	3 500	330	4H
	217	43000	36500	32300	32000	19700	16000	29	22	1 750	3 500	330	4H
	249	43000	36500	32300	32000	19700	16000	26	22	1 750	3 500	260	4F
	296	43000	36500	32300	32000	19700	16000	23	22	1 750	3 500	260	4F
	353	43000	36500	32300	32000	19700	16000	20.5	22	1 750	3 500	160	4D
	394	43000	36500	32300	32000	19700	16000	18.6	22	1 750	3 500	160	4D
	482	43000	36500	32300	32000	19700	16000	15.5	22	1 750	3 500	160	4D
	572	43000	36500	32300	32000	19700	16000	13.3	22	1 750	3 500	160	4D
	761	34000	29500	27000	27000	18600	15100	9.5	22	1 750	3 500	100	4B

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP311 L


F
F2
F1
I
HZ
210
L
12
134
110
ø428
ø358 f7
ø260 f7
B100x94
DIN 5482
35
140
C
HC
210
ø120h6
V1
V2
V3
10°
20°
10
20°
ø17 n°24
390
PZ
110
B100x94
DIN 5482
IEC
B5
E
PC
L
210
ø120h6
110
C
48
48
120
120
334
516
280
29
330
457
550
ø33 n°4

MSEP311 L



FP version

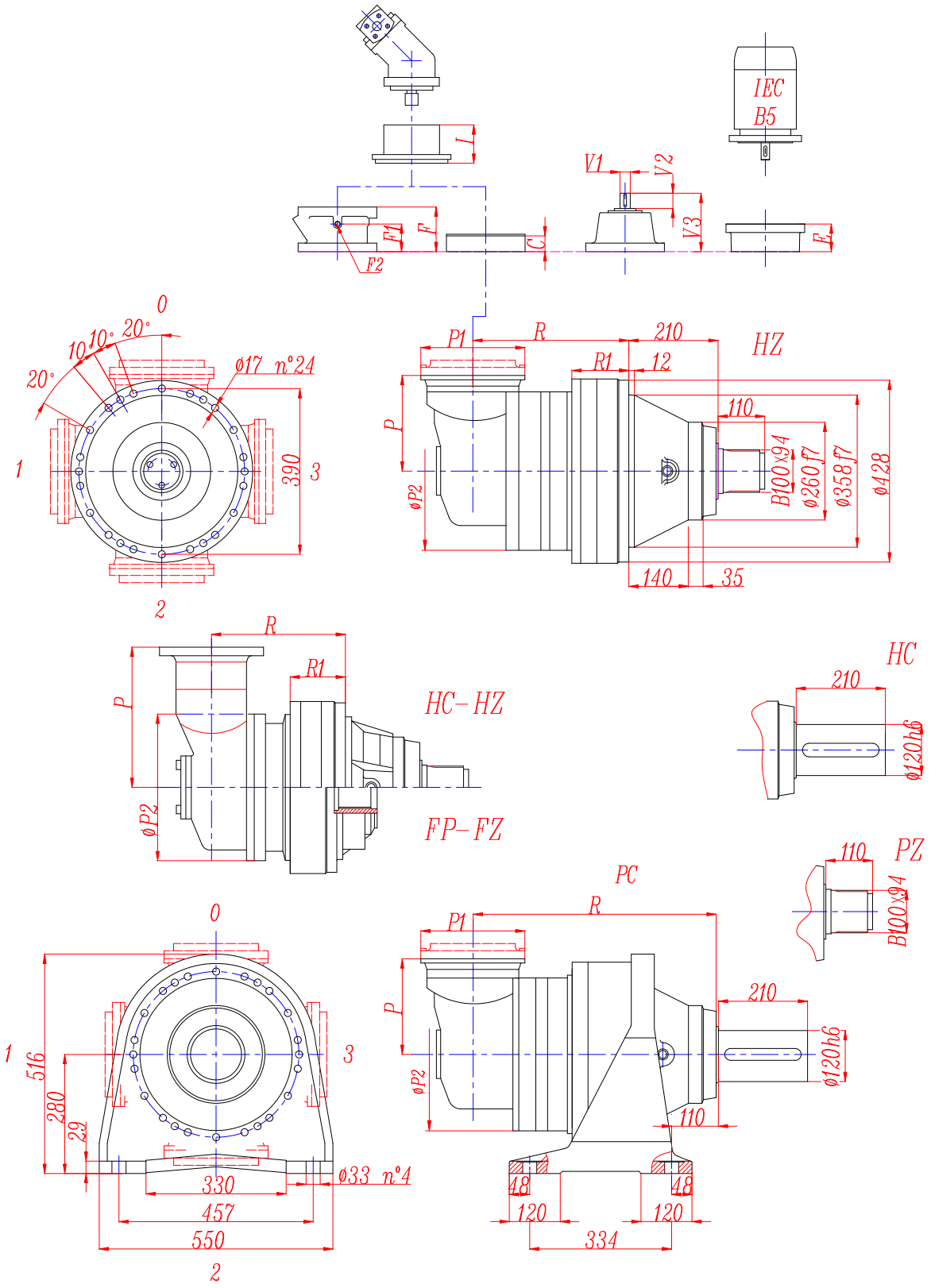
Max. transmissible

54000 N.m

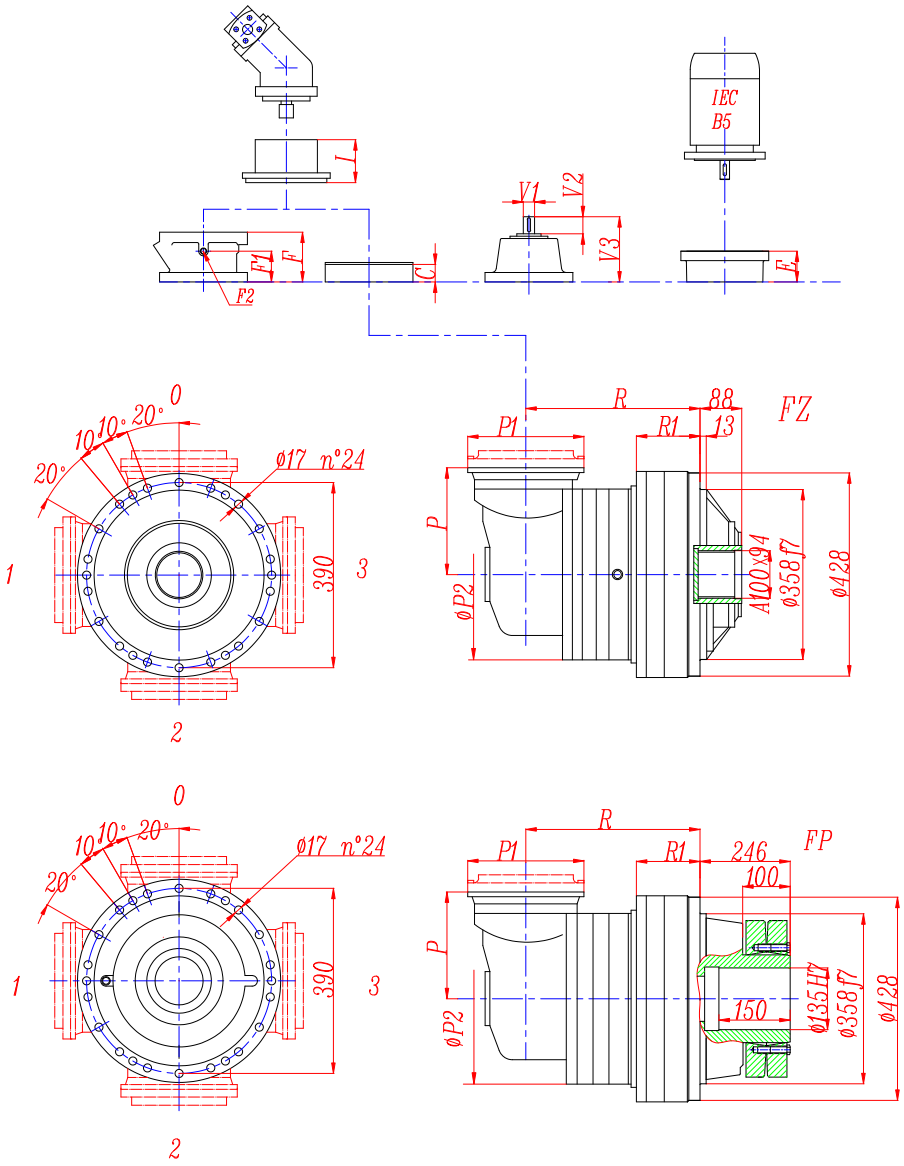
	L				Ref. weight (without input) (Kg)				C	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP			F	F1	F2	Type	Ref. Weight
311 L1	115	331	115	115	200	270	174	200	81	According to hydraulic motor					
311 L2	248	464	248	248	254	324	228	254	51		196	115	1/4 G	6	75 Kg
311 L3	341	557	341	341	273	343	237	273	37		142	88	1/4 G	5	38Kg
311 L4	406	622	406	406	282	352	248	282	37		105	65	1/4 G	4	18 Kg

	E (IEC motor input)													
	IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250			
311 L1														
311 L2							159	159	169	198	198			
311 L3						120	153	153	153	186				
311 L4	77	97	97	107	107	120	153	153						

MSEP311 R


IEC
B5
V1
V2
V3
I
F
F1
F2
C
E
0
10°
20°
20°
10°
ø17 n°24
1
2
3
390
P1
R
210
HZ
R1
12
110
P
ø260 f7
ø358 f7
ø428
B100x94
øP2
140
35
R
R1
P
HC- HZ
FP- FZ
HC
210
ø120h6
110
PZ
B100x94
PC
R
P1
P
210
ø120h6
øP2
110
48
120
334
0
1
516
280
29
3
330
457
550
ø33 n°4
2

MSEP311 R



FP version

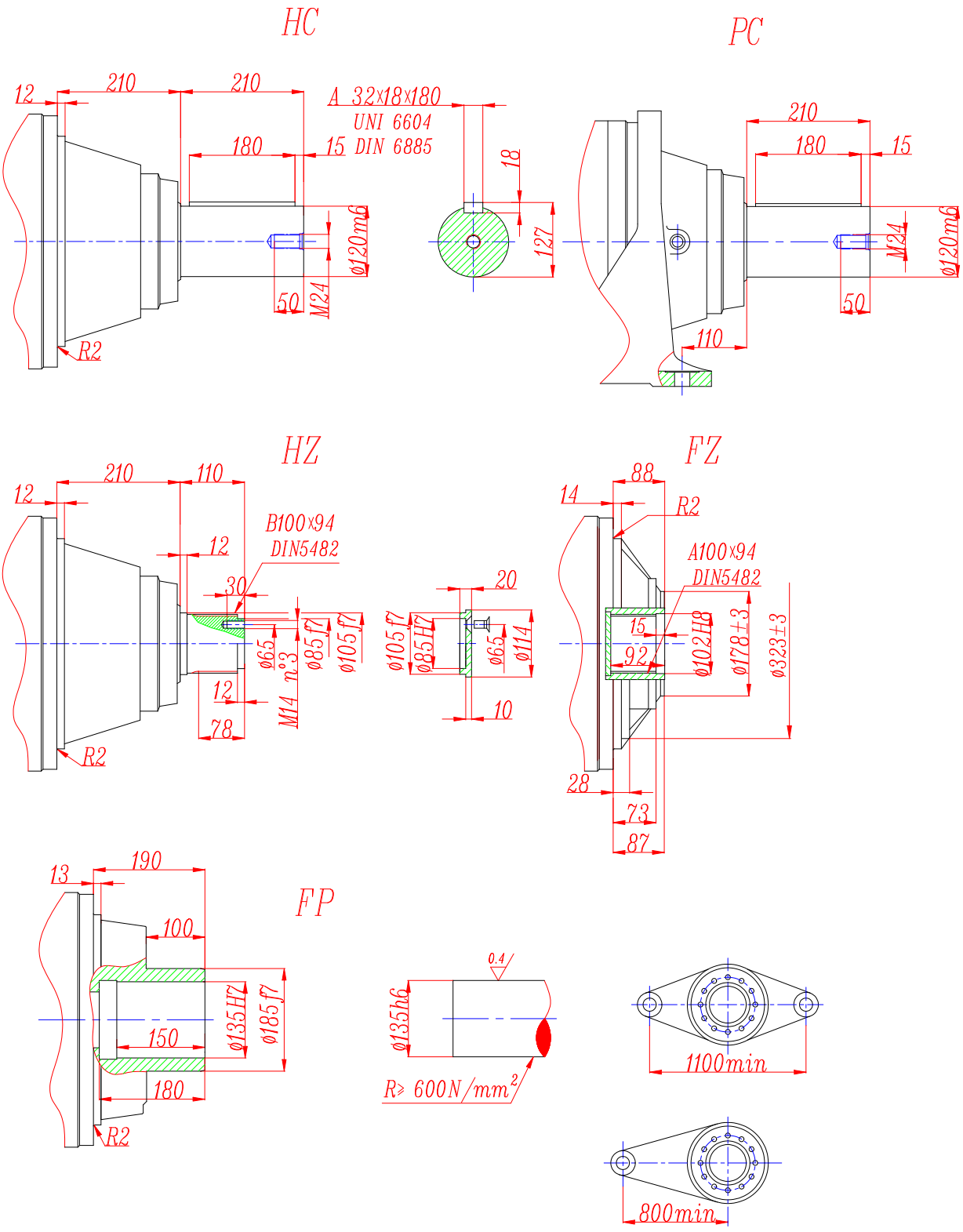
Max. transmissible

54000 N.m

	R				Ref. weight (without input) (Kg)				C	P	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP				F	F1	F2	Type	Ref. Weight Kg
311 R2	340	550	340	340	320	390	300	310	45	345	According	195	147	1/4 G	6	75
311 R3	367	577	367	367	275	345	255	265	37	140	to hydraulic	145	95	1/4 G	4	38
311 R4	433	641	433	433	257	331	241	251	37	140	motor	105	65	1/4 G	4	18

	P1	R1				E (IEC motor input)										
		HZ	HC	FZ	FP	IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250
311 R2	292	134	134	134	134							153	153	163	192	192
311 R3	245	134	134	134	134						120	153	153	153	186	
311 R4	186	134	134	134	134	77	97	97	107	107	120	153	153			

MSEP311 L - MSEP311 R

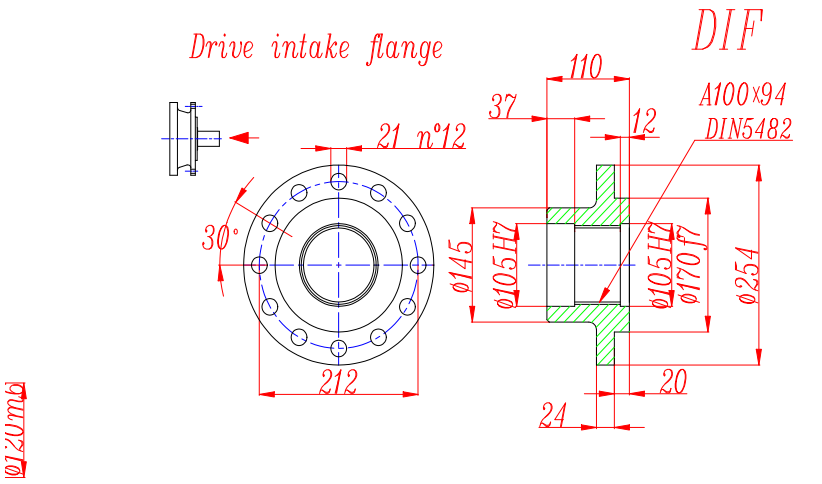


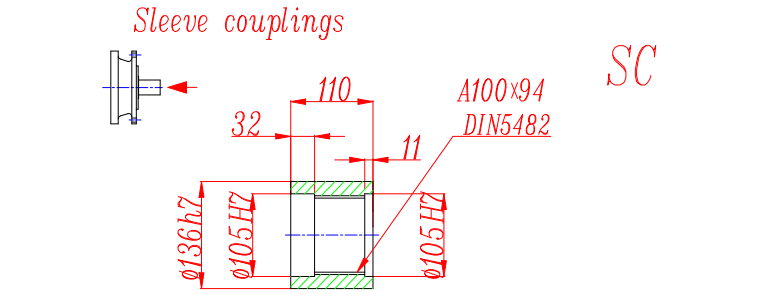
FP version

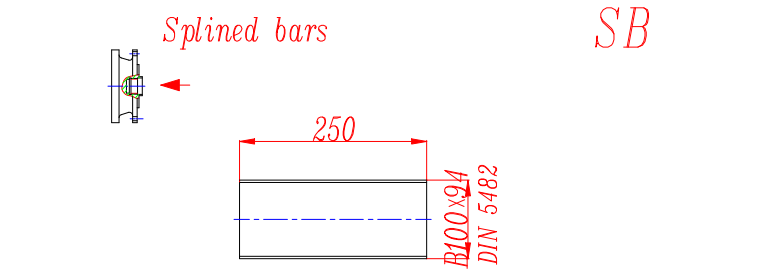
Max. transmissible

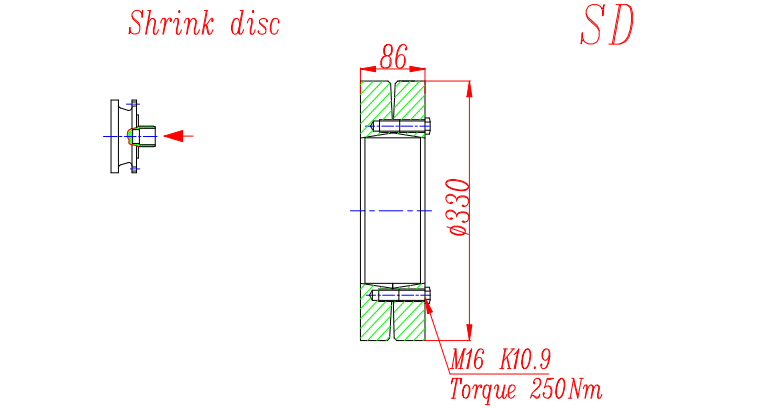
54000 N.m

MSEP311 L - MSEP311 R

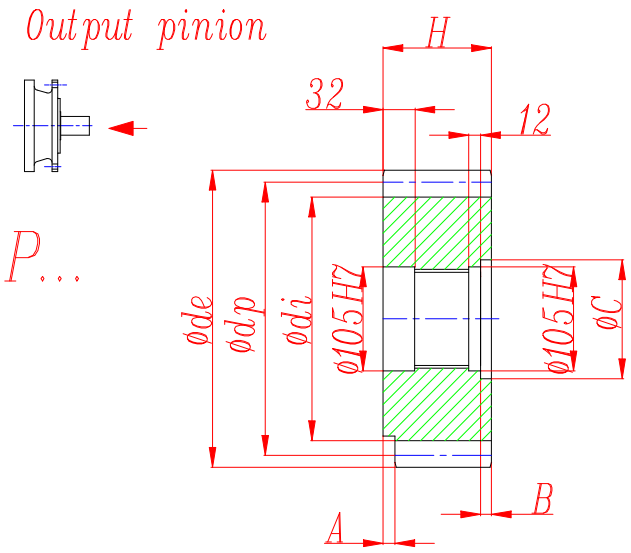




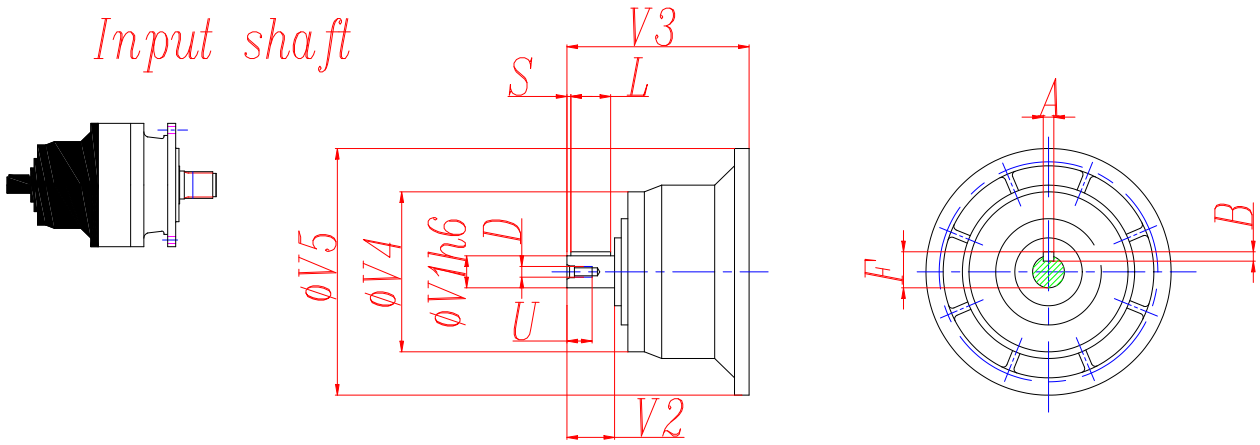




MSEP311 L - MSEP311 R



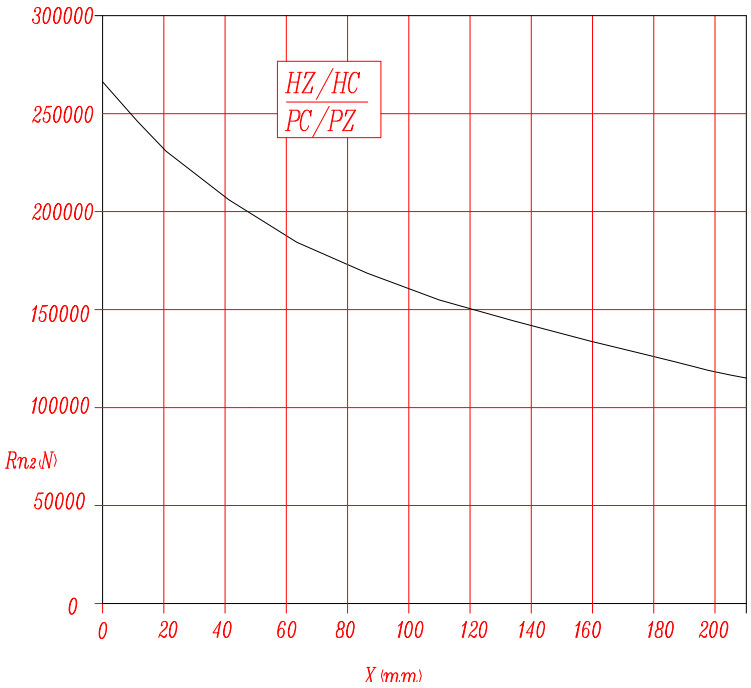
	m	z	x	dp	di	de	H	A	B	C
PLQ	12	23	0	276	246	300	110	0	0	0
PPD	16	13	0.5000	208	184	252.5	145	0	35	116
PPF	16	15	0.450	240	215	280	125	0	15	120



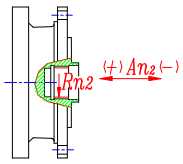
	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
311 L1	V11B	80	130	348	200	428	22	14	85	110	10	M16	36
311 L2	V07B	80	130	315	200	345	22	14	85	110	105	M16	36
	V07A	60	105	313	155	345	18	11	64	90	7.5	M16	36
311 L3	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
311 L4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
311 R2	V06B	60	105	307	155	292	18	11	64	90	7.5	M16	36
311 R3-R4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28

MSEP311 L - MSEP311 R

Permissible radial and axial loads on output shaft with Fh2 (n2 • h=10 000)



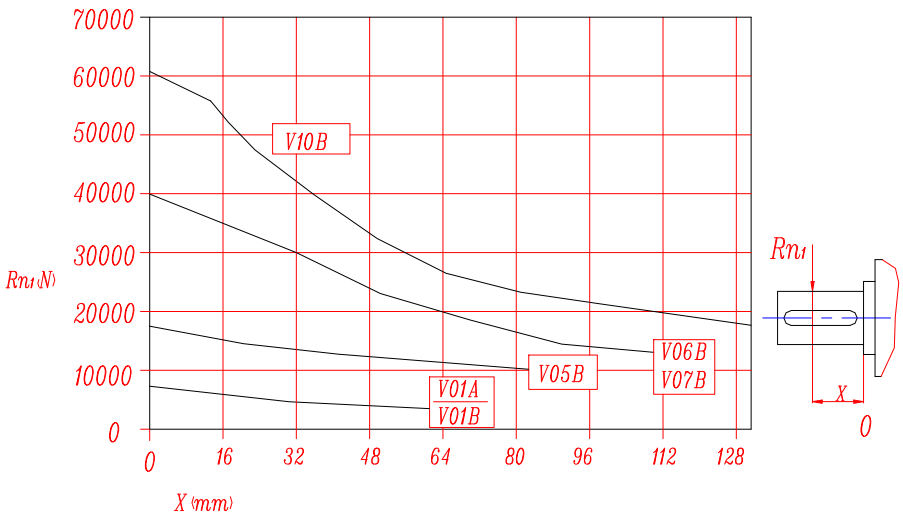
	An2 (+)	An2 (−)
HZ-HC-PC-PZ	200 000	140 000



	Rn2	An2 (+/−)
FZ	65 000	52 000

Load corrective factor fh2 on shafts	fh2= n2 • h		10 000	25 000	50 000	100 000	500 000	1 000 000
	fh2	FZ	1	0.74	0.58	0.46	0.27	0.21
		HZ-HC-PC-PZ	1	0.76	0.61	0.50	0.31	0.25

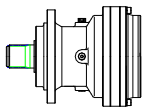
Permissible radial loads on input shaft with Fh1 (n1 • h=250 000)



Load corrective factor fh1 on shafts	Fh1= n1 • h	250 000	500 000	1 000 000	2 00 000	5 000 000	10 000 000
	fh1	1	0.79	0.63	0.50	0.37	0.29

MSEP313L

M2'=50000N.m

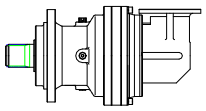


I	Mn_2 (N.m)						P_1	P_t(KW)	n_1	n_{1max}	M_b	Brake type
1:	n_2.h 10000	n_2.h 25000	n_2.h 50000	n_2.h 100000	n_2.h 500000	n_2.h 1000000	(KW)	(ta=20℃) (n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
3.7	55000	55000	55000	46000	28400	23000	200	45	500	800		
4.2	55000	55000	55000	46000	28400	23000	200	45	500	800		
5.1	55000	48000	45000	45000	27800	22600	200	45	500	800		
6.5	49000	42400	39000	39000	27800	22500	200	45	500	800		
12.5	55000	55000	55000	46000	28400	23000	130	30	1500	2500	3200	6L
14.4	55000	55000	55000	46000	28400	23000	130	30	1500	2500	3200	6L
18.5	55000	55000	55000	46000	28400	23000	130	30	1500	2500	3200	6L
22.3	55000	48000	45000	45000	27800	22600	130	30	1500	2500	3200	6L
26.6	55000	48000	45000	45000	27800	22600	130	30	1500	2500	3200	6L
31.6	55000	48000	45000	45000	27800	22600	120	30	1500	2500	2600	6K
40.8	49000	42400	39000	39000	27800	22500	110	30	1500	2500	2100	6G
45.9	55000	55000	55000	46000	28400	23000	80	18	1750	3 500	1000	5K
52.9	55000	55000	55000	46000	28400	23000	80	18	1750	3 500	1000	5K
59.2	55000	55000	55000	46000	28400	23000	80	18	1750	3 500	1000	5K
67.9	55000	55000	55000	46000	28400	23000	65	18	1750	3 500	1000	5K
77.8	55000	55000	55000	46000	28400	23000	60	18	1750	3 500	1000	5K
81.7	55000	48000	45000	45000	27800	22600	58	18	1750	3 500	1000	5K
93.6	55000	48000	45000	45000	27800	22600	55	18	1750	3 500	800	5G
111	55000	48000	45000	45000	27800	22600	55	18	1750	3 500	800	5G
133	55000	48000	45000	45000	27800	22600	50	18	1750	3 500	800	5G
148	55000	48000	45000	45000	27800	22600	45	18	1750	3 500	500	5C
181	55000	48000	45000	45000	27800	22600	40	18	1750	3 500	400	5B
215	55000	48000	45000	45000	27800	22600	36	18	1750	3 500	400	5B
278	49000	42400	39000	39000	27800	22500	31	18	1750	3 500	400	5B
228	55000	55000	55000	46000	28400	23000	30	11	1750	3 500	330	4H
263	55000	55000	55000	46000	28400	23000	30	11	1750	3 500	330	4H
277	55000	48000	45000	45000	27800	22600	30	11	1750	3 500	330	4H
346	55000	55000	55000	46000	28400	23000	28	11	1750	3 500	260	4F
449	55000	55000	55000	46000	28400	23000	22	11	1750	3 500	260	4F
534	55000	55000	55000	46000	28400	23000	18	11	1750	3 500	260	4F
540	55000	48000	45000	45000	27800	22600	15	11	1750	3 500	160	4D
643	55000	48000	45000	45000	27800	22600	12.5	11	1750	3 500	160	4D
767	55000	48000	45000	45000	27800	22600	10	11	1750	3 500	100	4B
855	55000	48000	45000	45000	27800	22600	9	11	1750	3 500	100	4B
1067	55000	48000	45000	45000	27800	22600	8	11	1750	3 500	100	4B
1306	55000	48000	45000	45000	27800	22600	6.7	11	1750	3 500	100	4B
1550	55000	48000	45000	45000	27800	22600	5.7	11	1750	3 500	50	4A
2002	49000	42400	39000	39000	27800	22500	4.5	11	1750	3 500	50	4A

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP313R

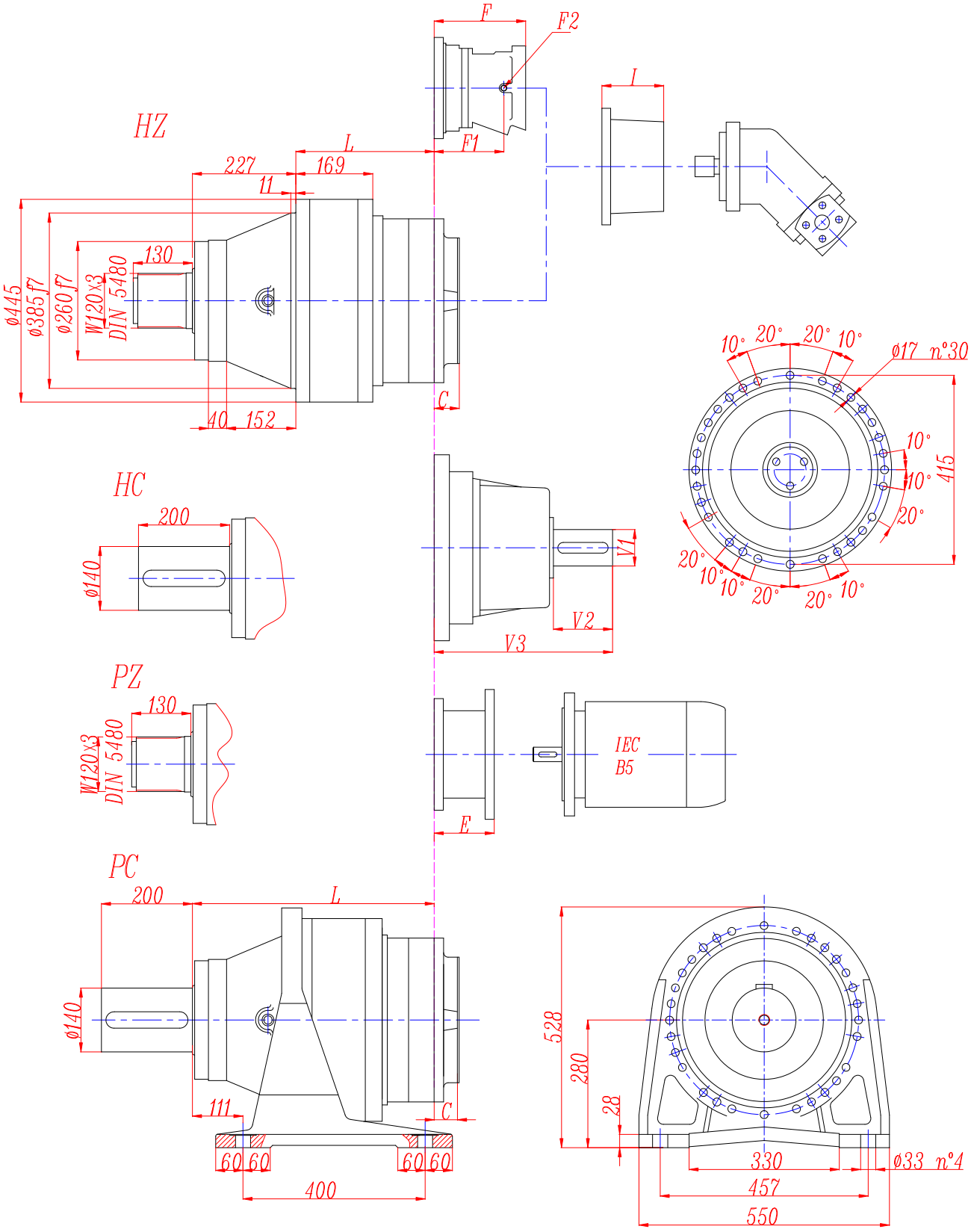
M2'=50000N.m



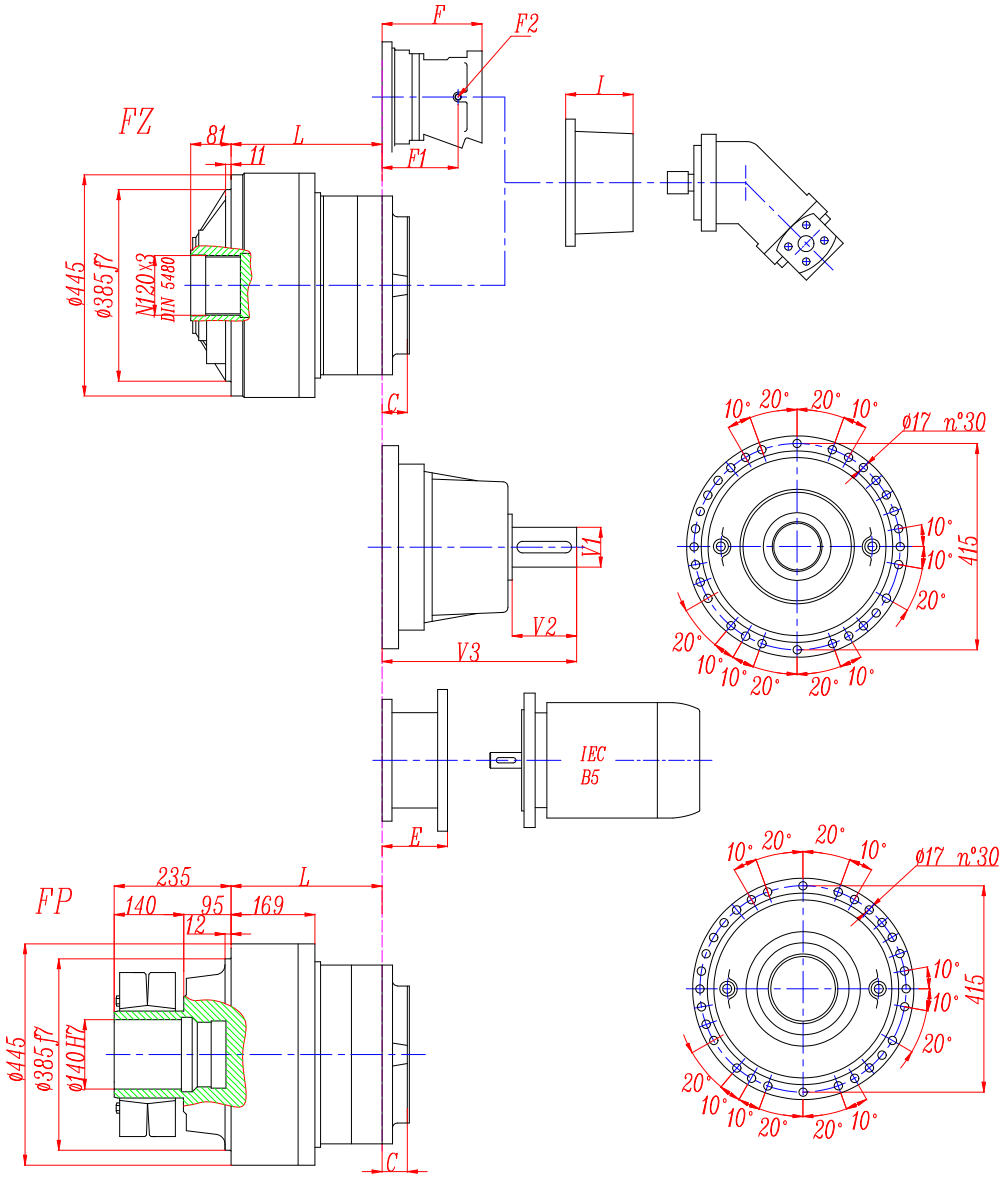
	I	Mn_2 (N.m)						P_1	P_t(KW)	n_1	n_{1max}	M_b	Brake type
		n_2.h	n_2.h	n_2.h	n_2.h	n_2.h	n_2.h		(ta=20℃)				
	1:	10000	25000	50000	100000	500000	1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
R2	12.3	28000	27000	25000	24000	16000	12500	150	75	1500	2 500	3200	6L
	14.8	35000	33000	31000	30000	18000	15000	150	75	1500	2 500	3200	6L
	19.2	44000	40000	37000	36000	22000	17000	150	75	1500	2 500	3200	6L
R3	54.7	34000	29500	27000	27000	18600	15100	70	40	1750	3 500	800	5G
	70.1	45000	45000	37400	32000	19700	16000	60	40	1750	3 500	800	5G
	84.4	55000	48000	45000	45000	27800	22600	60	40	1750	3 500	800	5G
	101	55000	48000	45000	45000	27800	22600	50	40	1750	3 500	630	5E
	120	55000	48000	45000	45000	27800	22600	45	40	1750	3 500	630	5E
	154	49000	42400	39000	39000	27800	22500	40	40	1750	3 500	500	5C
R4	136	49000	42400	39000	39000	27800	22500	35	22	1750	3 500	400	4K
	174	55000	55000	55000	46000	28400	23000	35	22	1750	3 500	400	4K
	199	55000	55000	55000	46000	28400	23000	35	22	1750	3 500	330	4H
	209	55000	48000	45000	45000	27800	22600	35	22	1750	3 500	330	4H
	240	55000	48000	45000	45000	27800	22600	31	22	1750	3 500	330	4H
	286	55000	48000	45000	45000	27800	22600	27	22	1750	3 500	260	4F
	341	55000	48000	45000	45000	27800	22600	23	22	1750	3 500	260	4F
	380	55000	48000	45000	45000	27800	22600	21	22	1750	3 500	160	4D
	465	55000	48000	45000	45000	27800	22600	17.5	22	1750	3 500	160	4D
	552	55000	48000	45000	45000	27800	22600	15	22	1750	3 500	160	4D
	713	49000	42400	39000	39000	27800	22500	11	22	1750	3 500	100	4B

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP313 L


HZ
F
F2
F1
L
227
169
11
130
ø445
ø385 f7
ø260 f7
W120x3
DIN 5480
40
152
C
I
10°
20°
20°
10°
ø17 n°30
415
HC
200
ø140
V1
V2
V3
PZ
130
W120x3
DIN 5480
IEC
B5
E
PC
200
L
ø140
111
C
60
60
60
60
400
528
280
28
330
457
550
ø33 n°4

MSEP313 L



FP version

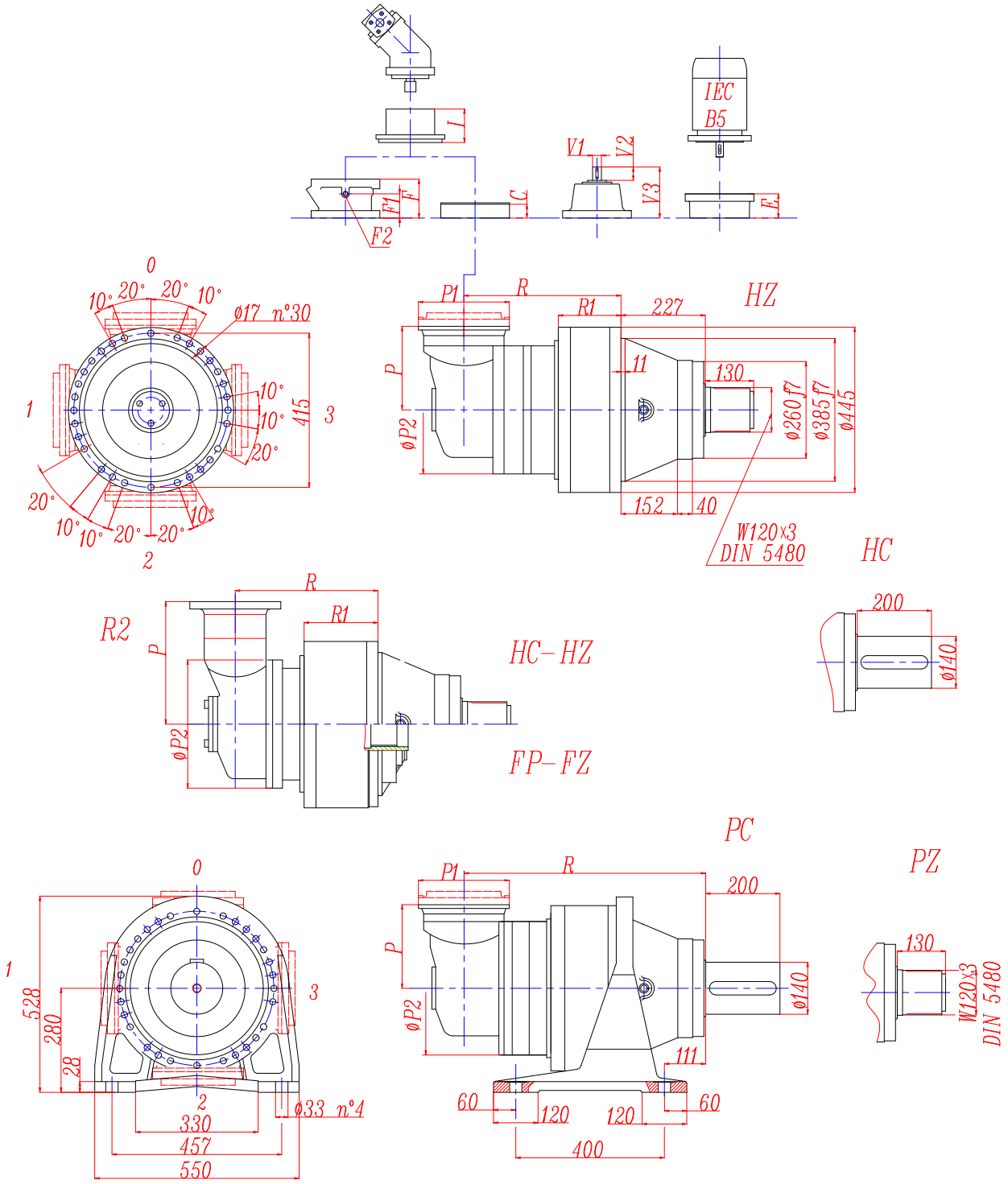
Max. transmissible

66000 N.m

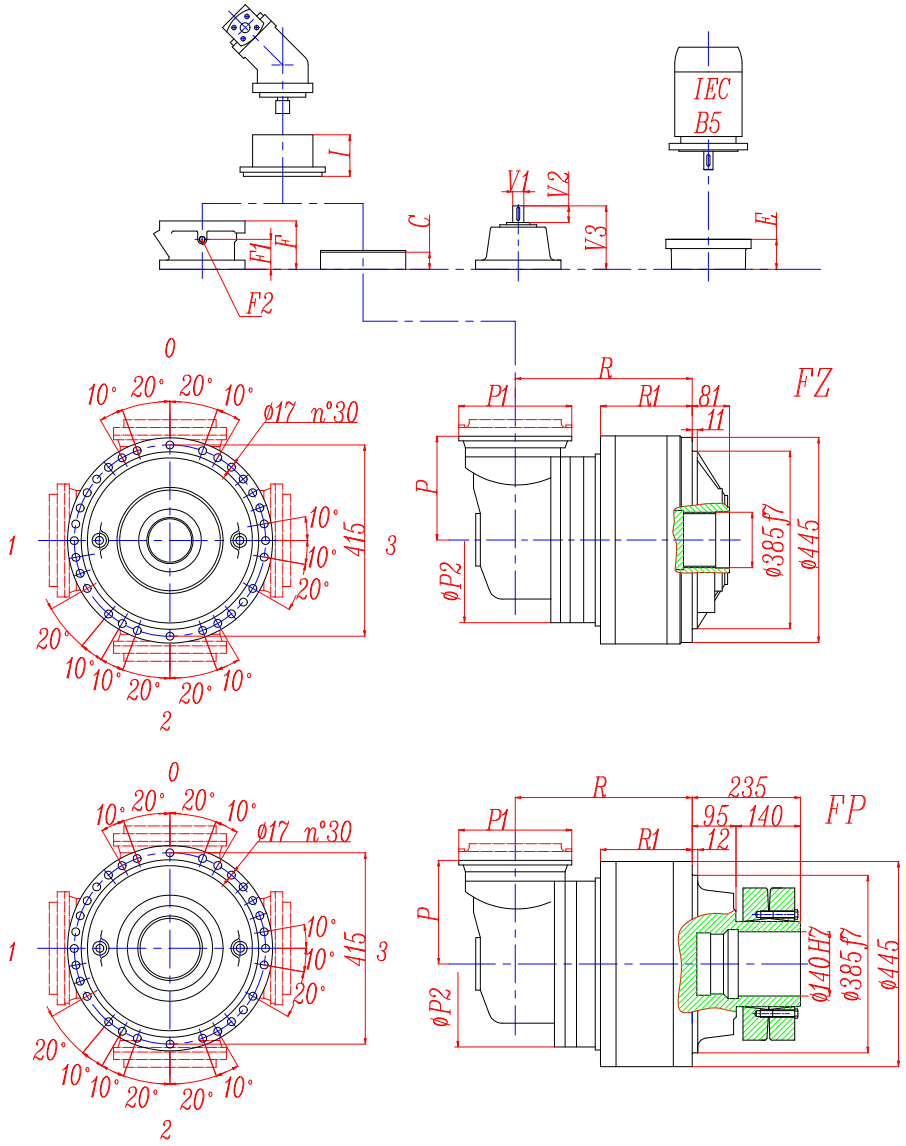
	L				Ref. weight (without input) (Kg)				C	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP			F	F1	F2	Type	Ref. Weight
313 L1	140	367	140	140	230	320	200	200	98	According to hydraulic motor					
313 L2	311	538	311	311	290	380	260	280	51		196	115	1/4 G	6	75 Kg
313 L3	404	631	404	404	302	392	272	292	37		142	88	1/4 G	5	38 Kg
313 L4	469	696	469	469	309	400	279	300	37		105	65	1/4 G	4	18 Kg

	E (IEC motor input)													
	IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250			
313 L1														
313 L2								159	159	198	198			
313 L3						120	153	153	153	186				
313 L4	77	97	97	107	107	120	153	153						

MSEP313 R


IEC
B5
I
V1
V2
V3
F
F1
F2
C
E
0
10°
20°
20°
10°
ø17 n°30
1
3
2
415
P1
R
R1
227
HZ
P
11
130
ø260 f7
ø385 f7
ø445
øP2
152
40
W120x3
DIN 5480
HC
R2
HC–HZ
200
ø140
FP–FZ
PC
PZ
528
280
28
330
457
550
ø33 n°4
111
60
120
400
W120x3
DIN 5480

MSEP313 R

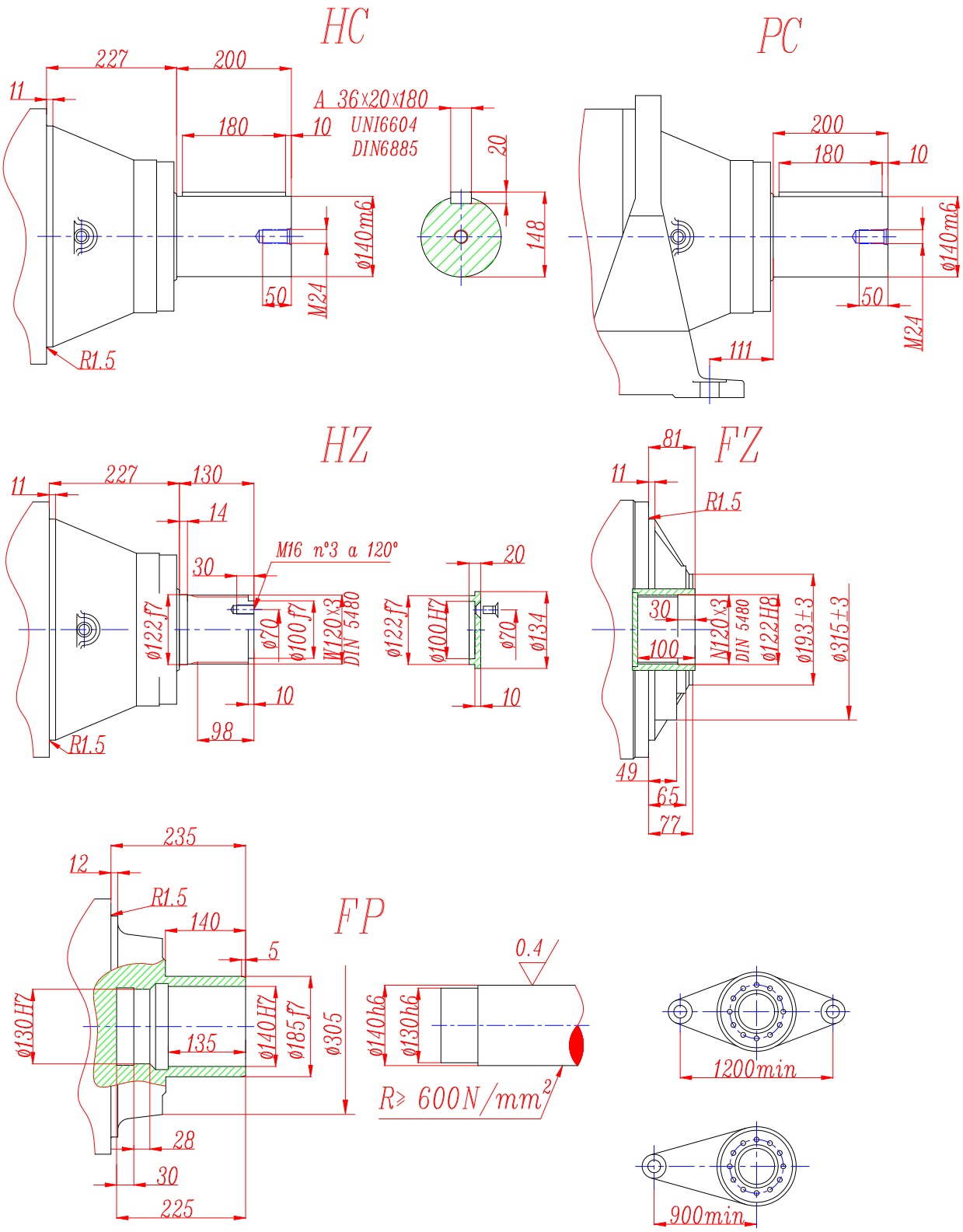


FP version
Max. transmissible
66000 N.m

	R				Ref. weight (without input) (Kg)				C	P	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP				F	F1	F2	Type	Ref. Weight Kg
313 R2	384	611	384	384	370	460	340	360	45	395	According to hydraulic motor	196	115	1/4 G	6	75
313 R3	423	650	423	423	340	430	310	330	37	225		142	88	1/4 G	5	38
313 R4	485	712	485	485	322	412	292	312	37	140		105	65	1/4 G	4	18

	P1	R1				E (IEC motor input)										
		HZ	HC	FZ	FP	IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250
313 R2	292	169	169	169	169							153	153	163	192	192
313 R3	245	169	169	169	169						120	153	153	153	186	
313 R4	186	169	169	169	169	77	97	97	107	107	120	153	153			

MSEP313 L - MSEP313 R



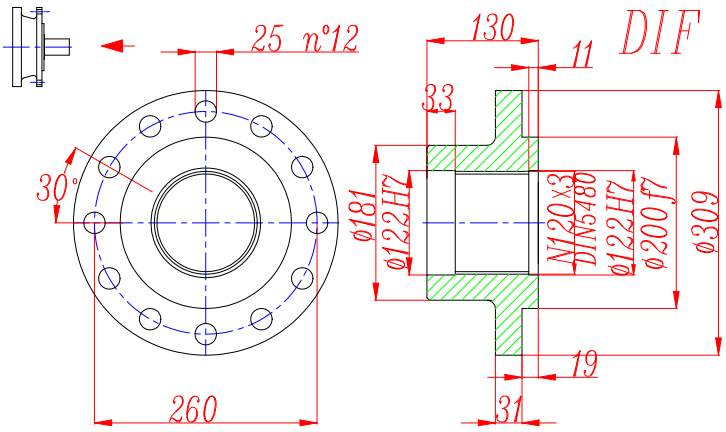
FP version

Max. transmissible

66000 N.m

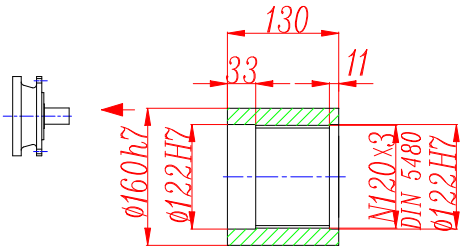
MSEP313 L - MSEP313 R

Drive intake flange



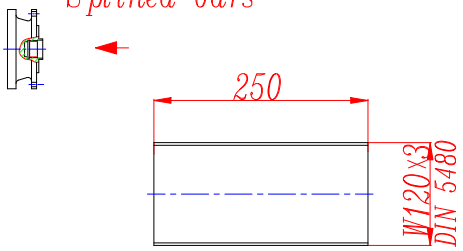
Sleeve couplings

SC



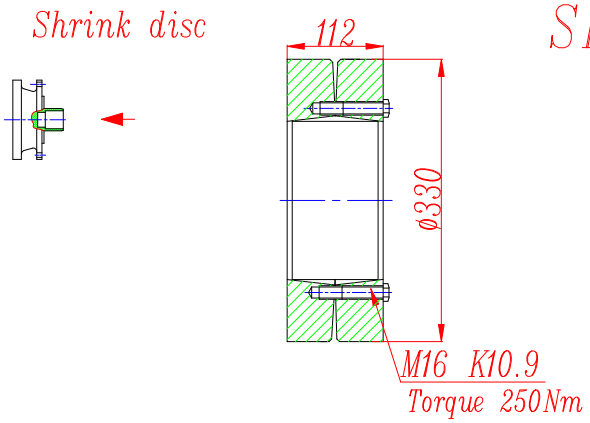
Splined bars

SB

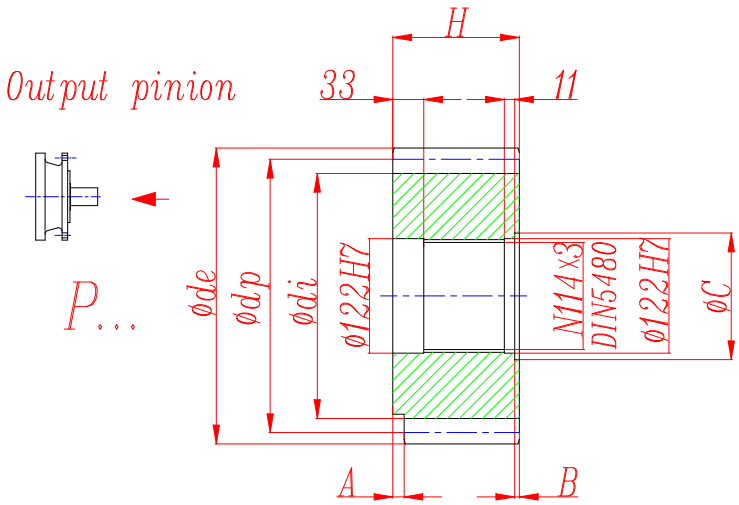


Shrink disc

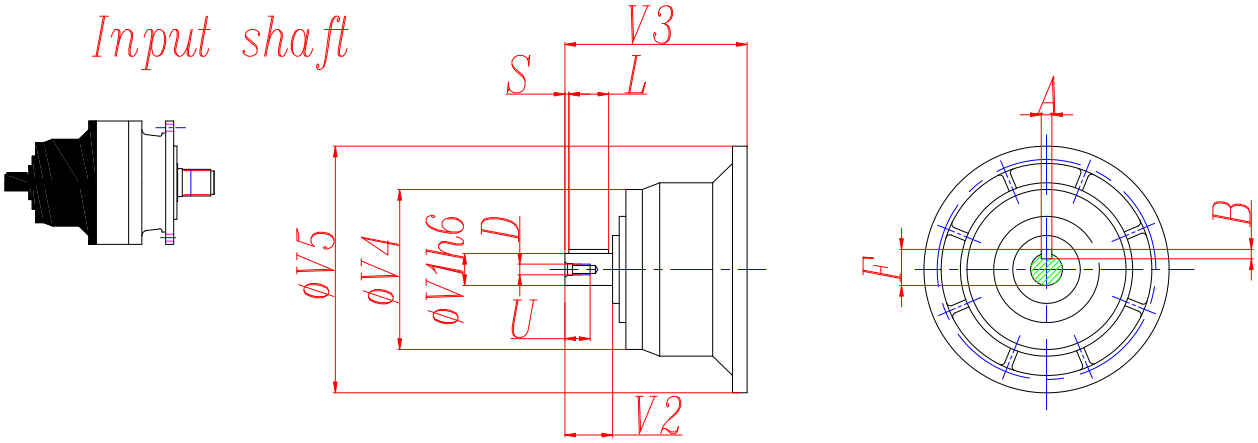
SD



MSEP313 L - MSEP313 R



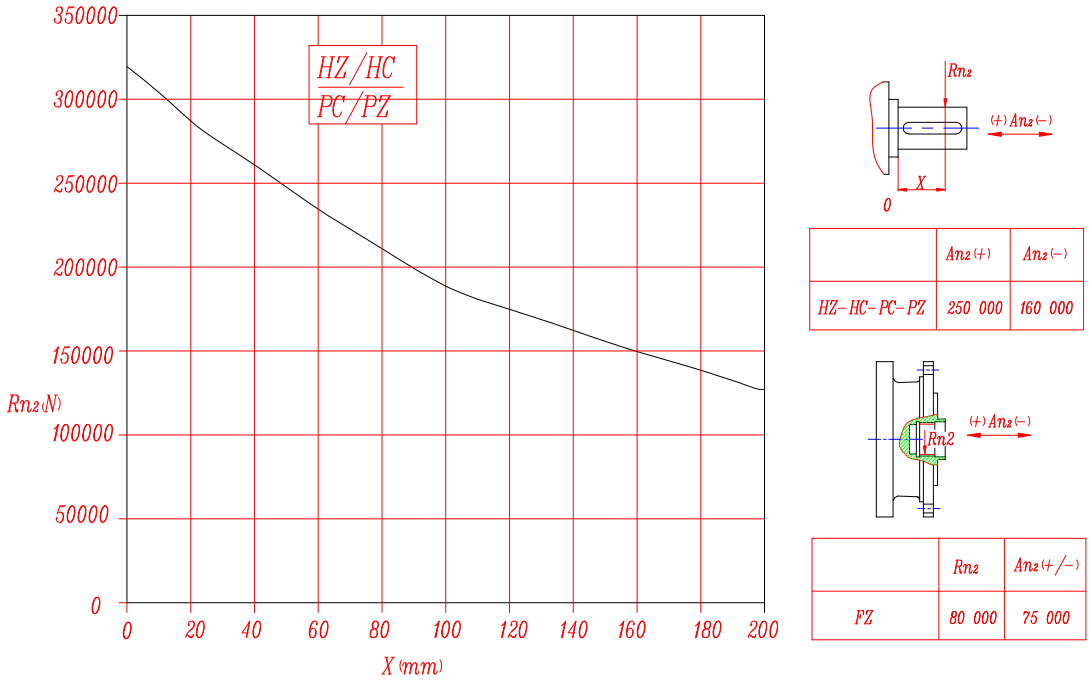
	m	z	x	dp	di	de	H	A	B	C
PRH	16	17	0.500	272	247	315	135	0	5	136
PRI	18	18	0.333	324	294	365	140	0	10	140



	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
313 L1	V11B	80	130	348	200	428	22	14	85	110	10	M16	36
313 L2	V07B	80	130	315	200	345	22	14	85	110	105	M16	36
	V07A	60	105	313	155	345	18	11	64	90	7.5	M16	36
313 L3	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
313 L4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	120	186	10	8	41	50	4	M12	28
313 R2	V06B	60	105	307	155	292	18	11	64	90	7.5	M16	36
313 R3-R4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28

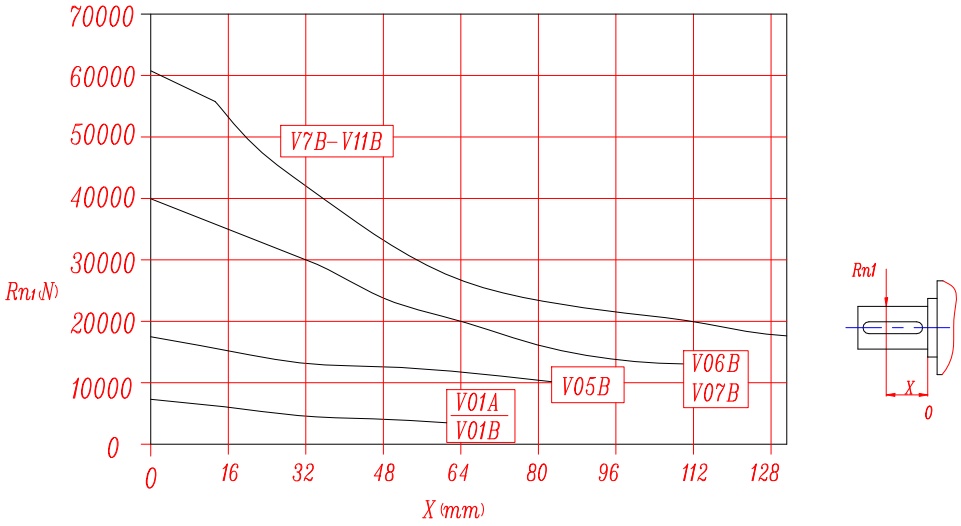
MSEP313 L - MSEP313 R

Permissible radial and axial loads on output shaft with Fh2 (n2 • h=10 000)



Load corrective factor fh2 on shafts	fh2= n2 • h		10 000	25 000	50 000	100 000	500 000	1 000 000
	fh2	FZ	1	0.74	0.58	0.46	0.27	0.21
		HZ-HC-PC-PZ	1	0.76	0.61	0.50	0.31	0.25

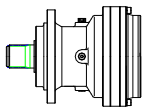
Permissible radial loads on input shaft with Fh1 (n1 • h=250 000)



Load corrective factor fh1 on shafts	Fh1= n1 • h	250 000	500 000	1 000 000	2 00 000	5 000 000	10 000 000
	fh1	1	0.79	0.63	0.50	0.37	0.29

MSEP315L

M2'=80000N.m

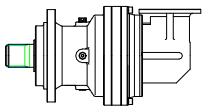


	I	Mn_2 (N.m)						P_1	P_t(KW) (ta=20℃)	n_1	n_{1max}	M_b	Brake type
		n_2.h	n_2.h	n_2.h	n_2.h	n_2.h	n_2.h						
	1:	10000	25000	50000	100000	500000	1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
L1	3.8	99000	87000	79000	78000	49000	39700	260	60	350	500		
	4.1	105000	100000	97000	85000	53000	42800	260	60	350	500		
	4.4	99000	87000	79000	78000	49000	39700	260	60	350	500		
	5.3	90000	80000	70000	68000	42000	34000	260	60	350	500		
	6.2	80000	70000	65000	65000	41000	33000	230	60	350	500		
L2	15.7	99000	87000	79000	78000	49000	39700	180	45	750	1000		
	16.7	105000	100000	97000	85000	53000	42800	180	45	750	1000		
	18.0	99000	87000	79000	78000	49000	39700	180	45	750	1000		
	21.5	105000	100000	97000	85000	53000	42800	180	45	750	1000		
	25.5	105000	100000	97000	85000	53000	42800	180	45	750	1000		
	27.6	90000	80000	70000	68000	42000	34000	170	45	750	1000		
	32.7	90000	80000	70000	68000	42000	34000	120	45	750	1000		
	38.8	80000	70000	65000	65000	41000	33000	100	45	750	1000		
L3	53.8	99000	87000	79000	78000	49000	39700	100	30	1500	2500	2600	6K
	57.4	105000	100000	97000	85000	53000	42800	100	30	1500	2500	2600	6K
	69.0	99000	87000	79000	78000	49000	39700	100	30	1500	2500	2100	6G
	73.6	105000	100000	97000	85000	53000	42800	100	30	1500	2500	2100	6G
	94.5	105000	100000	97000	85000	53000	42800	100	30	1500	2500	1500	6E
	102.8	99000	87000	79000	78000	49000	39700	100	30	1500	2500	1500	6E
	114.0	105000	100000	97000	85000	53000	42800	100	30	1500	2500	1500	6E
	121	99000	87000	79000	78000	49000	39700	90	30	1500	2500	1500	6E
	144	99000	87000	79000	78000	49000	39700	80	30	1500	2500	1100	6C
	159	105000	100000	97000	85000	53000	42800	80	30	1500	2500	1100	6C
	172	90000	80000	70000	68000	42000	34000	65	30	1500	2500	1100	6C
	204	80000	70000	65000	65000	41000	33000	55	30	1500	2500	850	6B
	242	80000	70000	65000	65000	41000	33000	50	30	1500	2500	850	6B
L4	269	99000	87000	79000	78000	49000	39700	50	18	1750	3 500	400	5B
	303	105000	100000	97000	85000	53000	42800	400	18	1750	3 500	400	5B
	368	105000	100000	97000	85000	53000	42800	35	18	1750	3 500	400	5B
	473	105000	100000	97000	85000	53000	42800	30	18	1750	3 500	400	5B
	564	105000	100000	97000	85000	53000	42800	28	18	1750	3 500	400	5B
	669	105000	100000	97000	85000	53000	42800	23	18	1750	3 500	400	5B
	746	105000	100000	97000	85000	53000	42800	22	18	1750	3 500	400	5B
	802	99000	87000	79000	78000	49000	39700	21	18	1750	3 500	400	5B
	912	105000	100000	97000	85000	53000	42800	19	18	1750	3 500	400	5B
	1083	105000	100000	97000	85000	53000	42800	15.5	18	1750	3 500	400	5B
	1171	90000	80000	70000	68000	42000	34000	14	18	1750	3 500	400	5B
	1390	90000	80000	70000	68000	42000	34000	9	18	1750	3 500	400	5B
	1649	80000	70000	65000	65000	41000	33000	7	18	1750	3 500	400	5B

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP315R

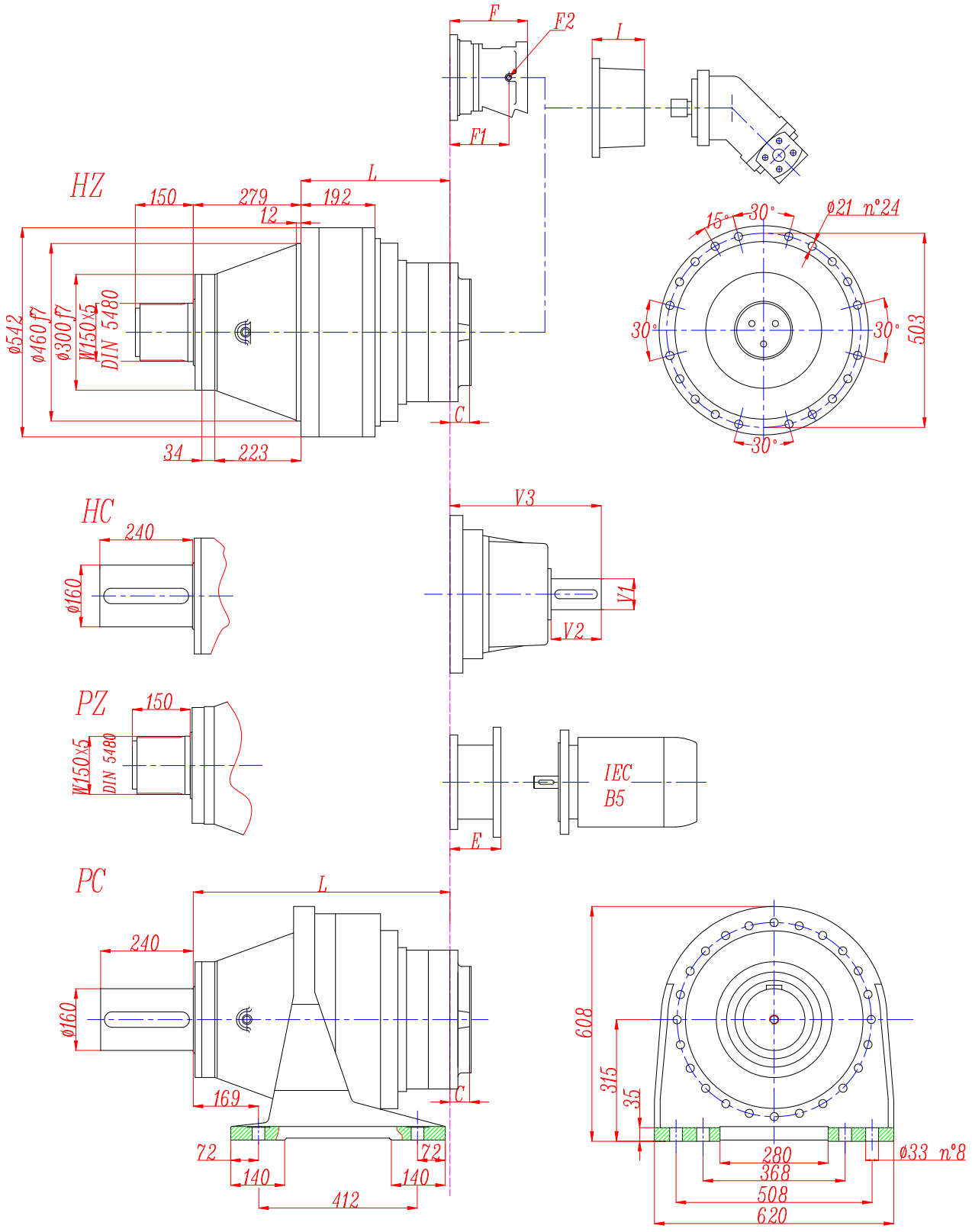
M2'=80000N.m



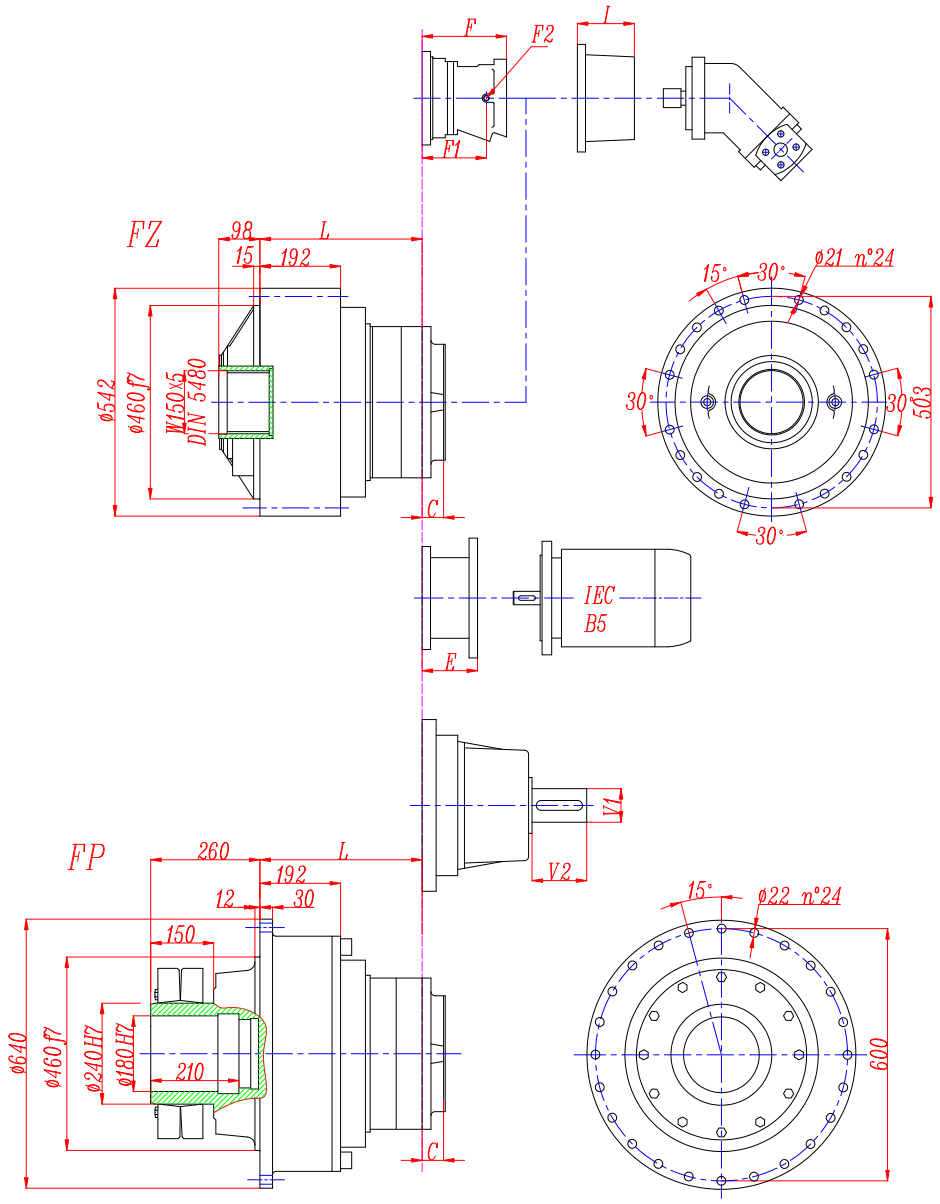
	I	Mn_2 (N.m)						P_1	P_t(KW)	n_1	n_{1max}	M_b	Brake
		n_2.h	n_2.h	n_2.h	n_2.h	n_2.h	n_2.h		(ta=20℃)				type
	1:	10000	25000	50000	100000	500000	1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
R3	47.2	73000	73000	60000	48300	29800	24200	150	75	1500	2 500	3200	6L
	54.1	90000	80000	70000	68000	42000	34000	150	75	1500	2 500	2600	6K
	64.4	99000	87000	79000	78000	49000	39700	150	75	1500	2 500	2100	6G
	76.9	90000	80000	70000	68000	42000	34000	125	75	1500	2 500	2100	6G
	91.2	80000	70000	65000	65000	41000	33000	100	75	1500	2 500	1500	6E
	105	90000	80000	70000	68000	42000	34000	90	75	1500	2 500	1500	6E
	124	80000	70000	65000	65000	41000	33000	75	75	1500	2 500	850	6B
R4	152	90000	80000	70000	68000	42000	34000	80	40	1750	3 500	800	5G
	173	105000	10000	97000	85000	53000	42800	80	40	1750	3 500	800	5G
	198	99000	87000	79000	78000	49000	39700	70	40	1750	3 500	800	5G
	236	99000	87000	79000	78000	49000	39700	60	40	1750	3 500	630	5E
	279	99000	87000	79000	78000	49000	39700	50	40	1750	3 500	630	5E
	326	99000	87000	79000	78000	49000	39700	43	40	1750	3 500	500	5C
	389	90000	80000	70000	68000	42000	34000	32	40	1750	3 500	400	5B
	462	80000	70000	65000	65000	41000	33000	26	40	1750	3 500	400	5B
	531	90000	80000	70000	68000	42000	34000	23	40	1750	3 500	400	5B
	650	90000	80000	70000	68000	42000	34000	21	40	1750	3 500	400	5B
	772	80000	70000	65000	65000	41000	33000	16	40	1750	3 500	400	5B

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP315 L


F
F2
F1
I
HZ
150
279
192
12
L
ø542
ø460 f7
ø300 f7
W150x5
DIN 5480
C
34
223
15°
30°
ø21 n°24
30°
30°
30°
503
HC
240
ø160
V3
V1
V2
PZ
150
W150x5
DIN 5480
IEC
B5
E
PC
L
240
ø160
169
C
72
72
140
140
412
608
315
35
280
368
508
620
ø33 n°8

MSEP315 L



FP version

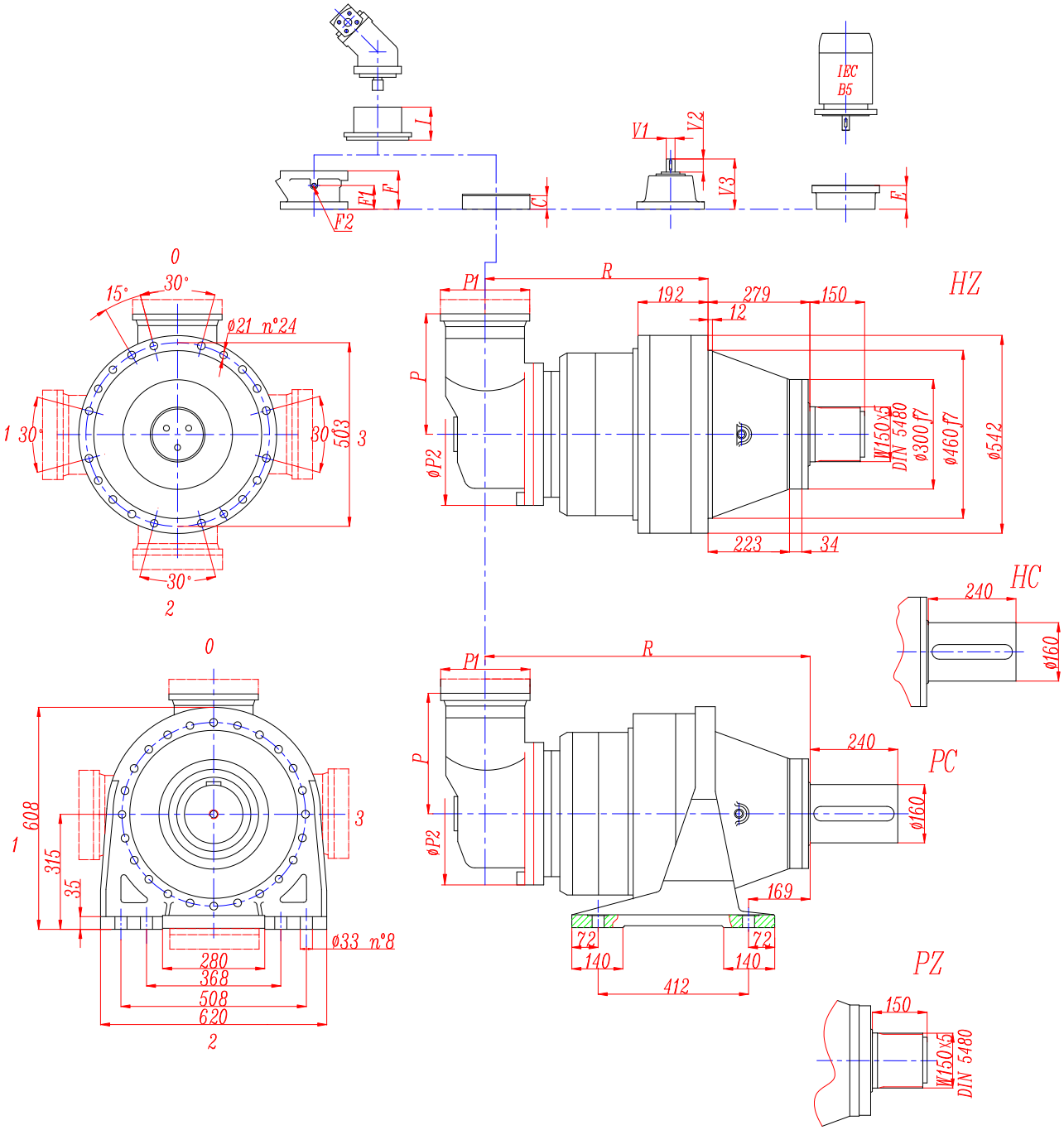
Max. transmissible

126000 N.m

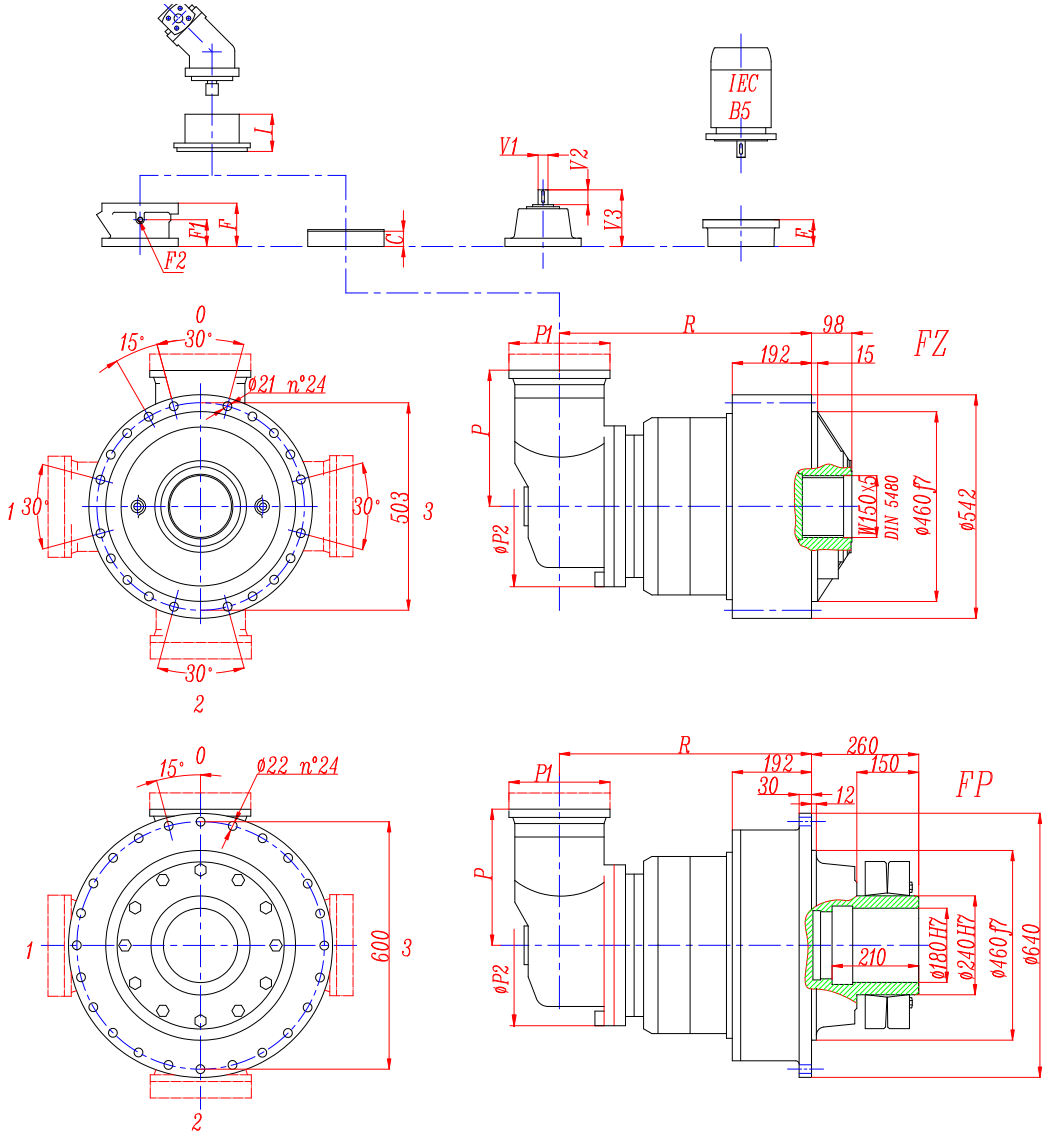
	L				Ref. weight (without input) (Kg)				C	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP			F	F1	F2	Type	Ref. Weight
315 L1	174	453	174	174	370	500	280	330	116	According to hydraulic motor					
315 L2	386	665	386	386	455	585	365	415	81		196	115	1/4 G	6	75 Kg
315 L3	519	798	519	519	500	630	410	460	51		196	115	1/4 G	6	75 Kg
315 L4	612	891	612	612	512	642	422	472	37		142	88	1/4 G	5	38 Kg

	E (IEC motor input)													
						IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250			
315 L1														
315 L2														
315 L3							159	159	169	198	198			
315 L4						120	153	153	153	186				

MSEP315 R


IEC
B5
I
V1
V2
V3
E1
F
F2
C
E
0
15°
30°
ø21 n°24
1
30°
30
503
3
30°
2
P1
R
192
279
150
12
HZ
P
øP2
W150X5
DIN 5480
ø300 f7
ø460 f7
ø542
223
34
240
HC
ø160
0
608
1
315
35
3
ø33 n°8
280
368
508
620
2
P1
R
P
øP2
240
PC
ø160
169
72
140
72
140
412
PZ
150
W150X5
DIN 5480

MSEP315 R



FP version

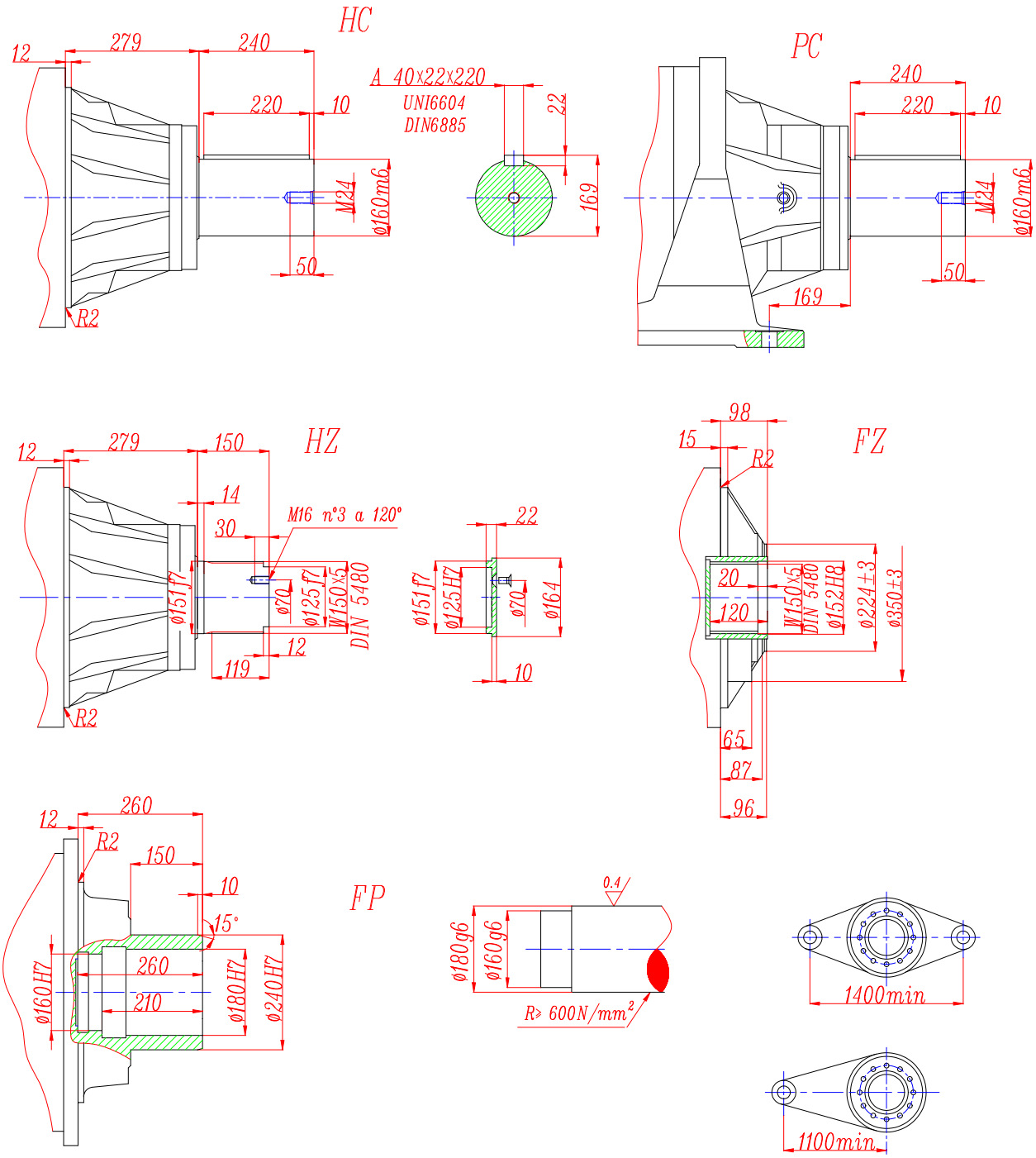
Max. transmissible

126000 N.m

	R				Ref. weight (without input) (Kg)				C	P	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP				F	F1	F2	Type	Ref. Weight Kg
											According					
315 R3	611	890	611	611	600	730	510	560	45	390	to hydraulic	196	115	1/4 G	6	75
315 R4	642	921	642	642	550	680	460	510	37	225	motor	142	88	1/4 G	5	38

	P1					E (IEC motor input)										
						IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250
315 R3	245											153	153	163	192	192
315 R4	245										120	153	153	153	186	

MSEP315 L - MSEP315 R

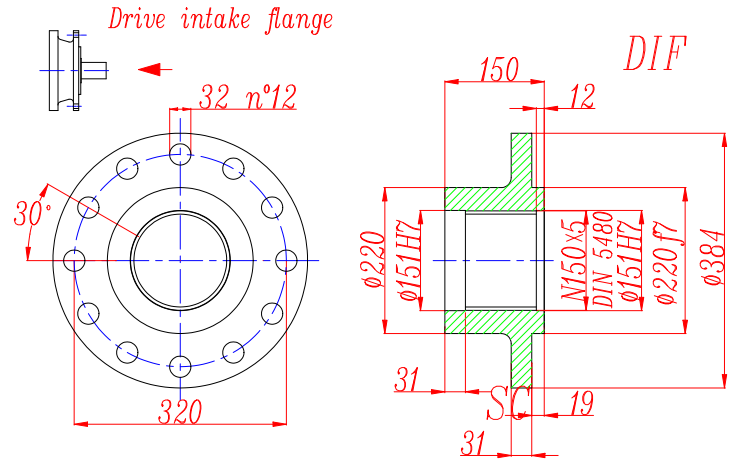


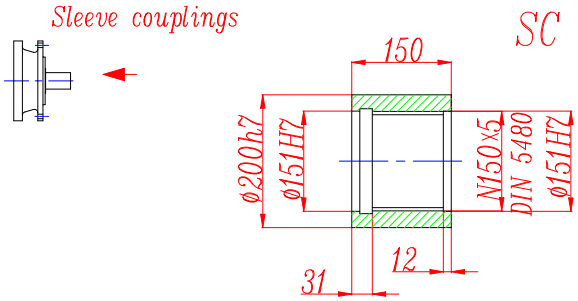
FP version

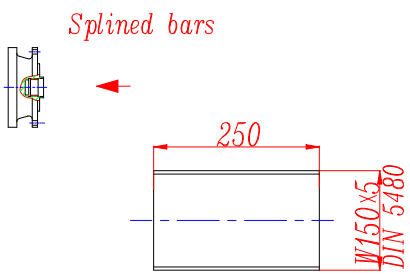
Max. transmissible

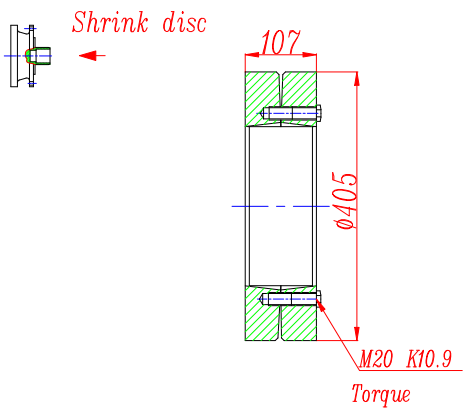
126000 N.m

MSEP315 L - MSEP315 R

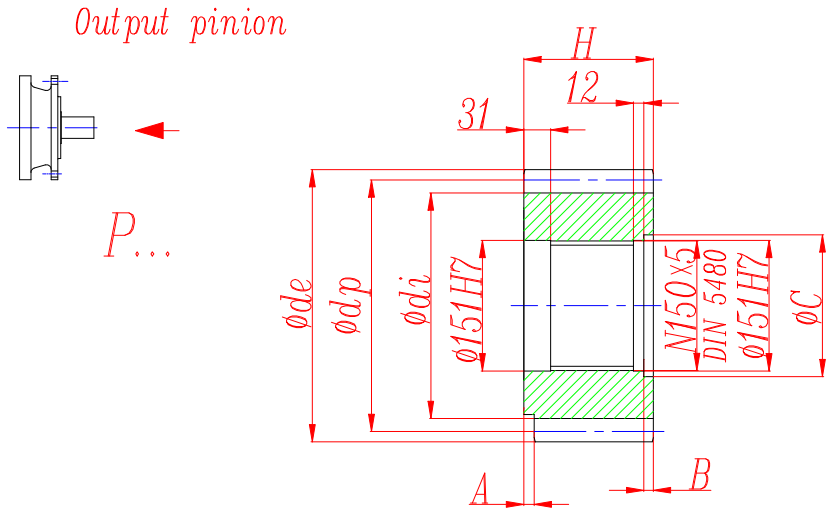




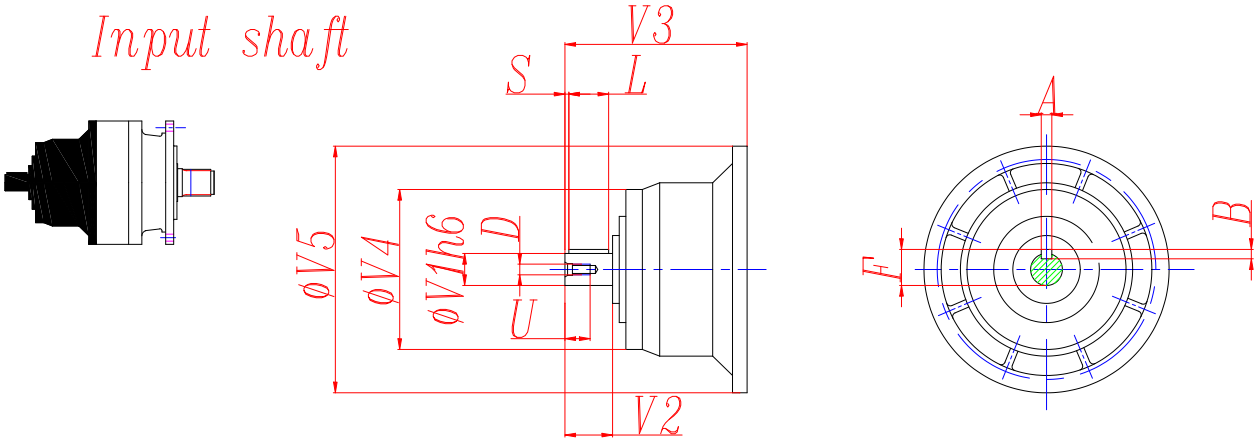




MSEP315 L - MSEP315 R



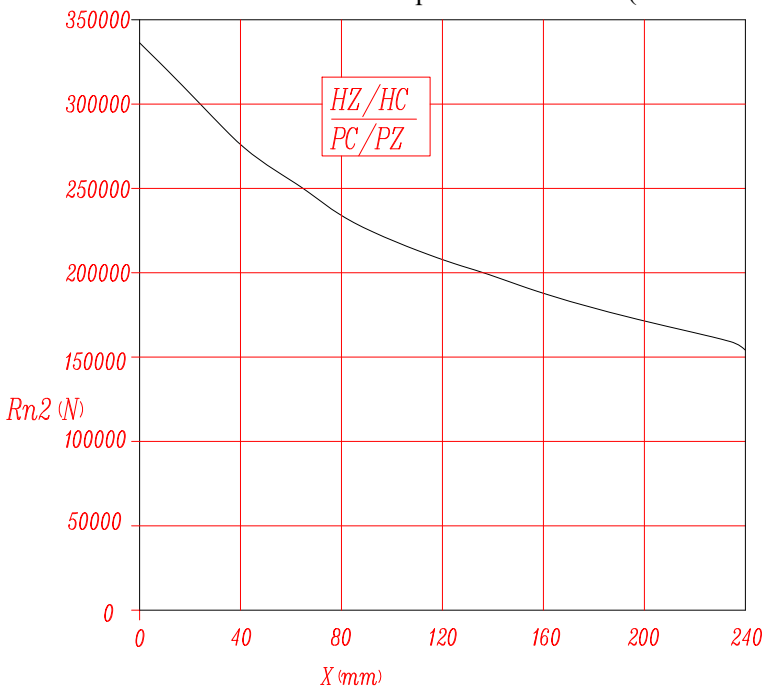
	m	z	x	dp	di	de	H	A	B	C
PRG1	18	16	0.500	288	261	342	160	0	10	166
PRG2	18	16	0.617	288	271	339	150	30	0	0

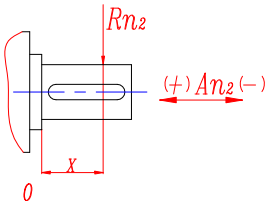


	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
315 L2	V11B	80	130	348	200	428	22	14	85	110	10	M16	36
315 L3	V07B	80	130	315	200	345	22	14	85	110	105	M16	36
	V07A	60	105	315	155	345	18	11	64	90	7.5	M16	36
315 L4	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
315 R3	V06B	60	105	307	155	292	18	11	64	90	7.5	M16	36
315 R4	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36

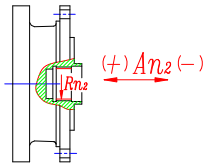
MSEP315 L - MSEP315 R

Permissible radial and axial loads on output shaft with Fh2 (n2 • h=10 000)





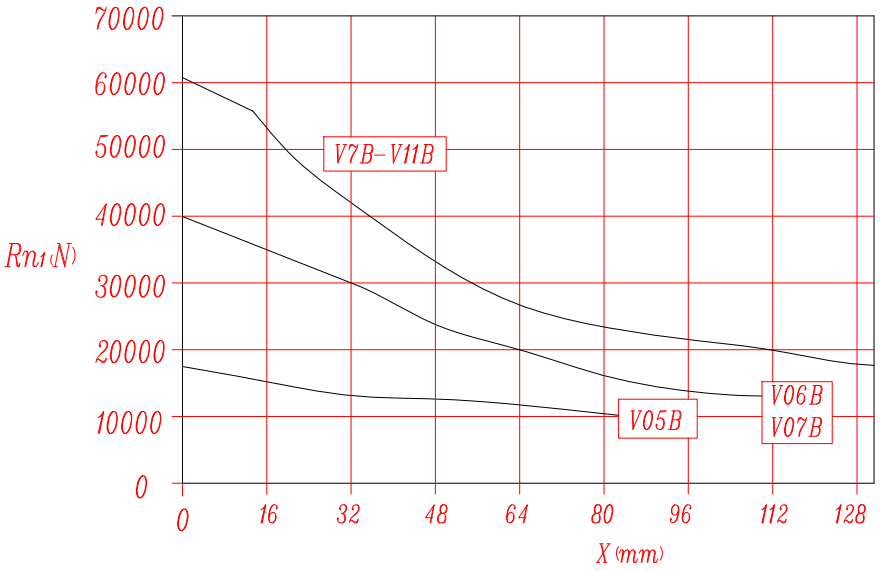
	An2 (+)	An2 (−)
HZ-HC-PC-PZ	280 000	210 000

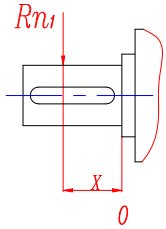


	Rn2	An2 (+/−)
FZ	90 000	90 000

Load corrective factor fh2 on shafts	fh2= n2 • h		10 000	25 000	50 000	100 000	500 000	1 000 000
	fh2	FZ	1	0.74	0.58	0.46	0.27	0.21
		HZ-HC-PC-PZ	1	0.76	0.61	0.50	0.31	0.25

Permissible radial loads on input shaft with Fh1 (n1 • h=250 000)

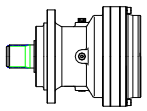




Load corrective factor fh1 on shafts	Fh1= n1 • h	250 000	500 000	1 000 000	2 00 000	5 000 000	10 000 000
	fh1	1	0.79	0.63	0.50	0.37	0.29

MSEP316L

M2'=110000N.m

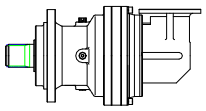


	I	Mn_2 (N.m)						P_1	P_t(KW) (ta=20℃)	n_1	n_{1max}	M_b	Brake type
	1:	n_2.h 10000	n_2.h 25000	n_2.h 50000	n_2.h 100000	n_2.h 500000	n_2.h 1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
L1	4.4	135000	126000	113000	100000	66000	54000	280	68	350	500		
	5.3	130000	120000	110000	95000	60000	50000	280	68	350	500		
L2	18.0	135000	126000	113000	100000	66000	54000	180	50	750	1000		
	23.1	135000	126000	113000	100000	66000	54000	180	50	750	1000		
	27.6	130000	120000	110000	95000	60000	50000	180	50	750	1000		
	32.7	130000	120000	110000	95000	60000	50000	180	50	750	1000		
L3	61.7	135000	126000	113000	100000	66000	54000	100	30	1500	2500	3200	6L
	79.2	135000	126000	113000	100000	66000	54000	100	30	1500	2500	2600	6K
	102	135000	126000	113000	100000	66000	54000	100	30	1500	2500	2100	6G
	121	135000	126000	113000	100000	66000	54000	100	30	1500	2500	2100	6G
	144	135000	126000	113000	100000	66000	54000	90	30	1500	2500	1500	6E
	172	130000	120000	110000	95000	60000	50000	55	30	1500	2500	1100	6C
	204	130000	120000	110000	95000	60000	50000	50	30	1500	2500	1100	6C
L4	226	135000	126000	113000	100000	66000	54000	60	18	1750	3 500	800	5G
	290	135000	126000	113000	100000	66000	54000	60	18	1750	3 500	800	5G
	333	135000	126000	113000	100000	66000	54000	60	18	1750	3 500	630	5E
	396	135000	126000	113000	100000	66000	54000	51	18	1750	3 500	500	5C
	427	135000	126000	113000	100000	66000	54000	47	18	1750	3 500	500	5C
	508	135000	126000	113000	100000	66000	54000	40	18	1750	3 500	400	5B
	606	135000	126000	113000	100000	66000	54000	34	18	1750	3 500	400	5B
	676	135000	126000	113000	100000	66000	54000	30	18	1750	3 500	400	5B
	827	135000	126000	113000	100000	66000	54000	25	18	1750	3 500	400	5B
	981	135000	126000	113000	100000	66000	54000	22	18	1750	3 500	400	5B
	1171	130000	120000	110000	95000	60000	50000	18	18	1750	3 500	400	5B
	1390	130000	120000	110000	95000	60000	50000	15.5	18	1750	3 500	400	5B

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP316R

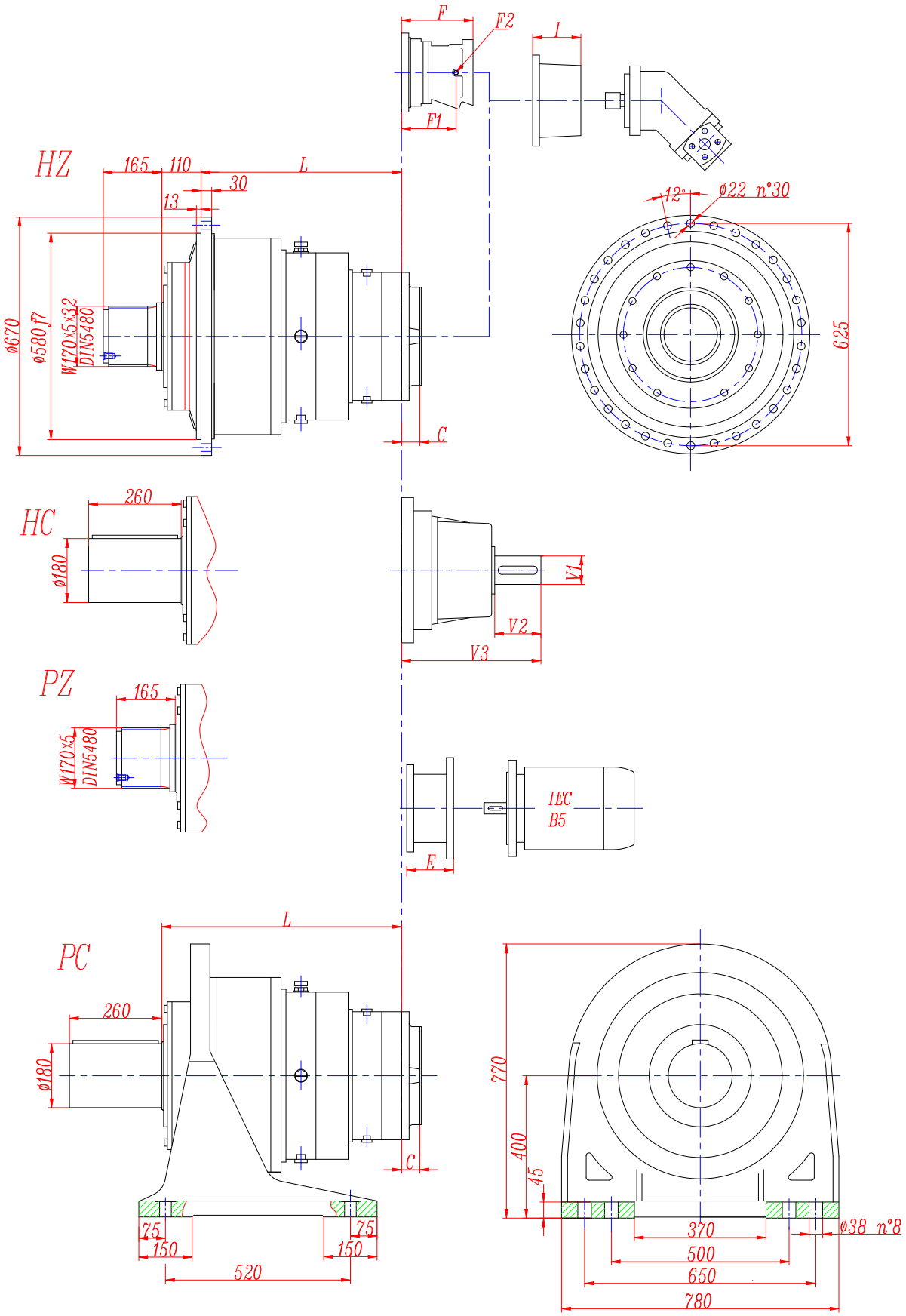
M2'=110000N.m



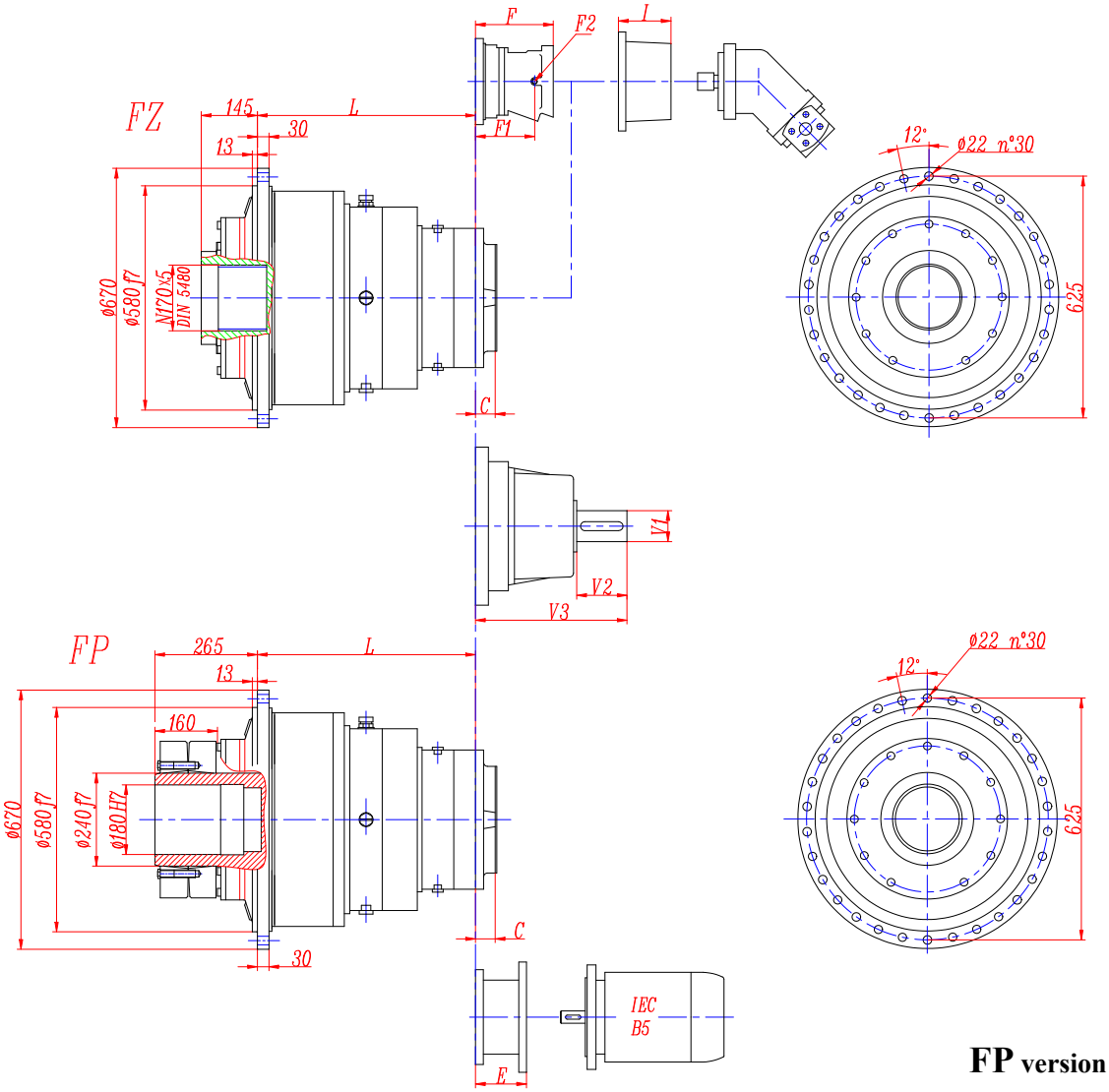
	I	Mn_2 (N.m)						P_1	P_t(KW)	n_1	n_{1max}	M_b	Brake type
	1:	n_2.h 10000	n_2.h 25000	n_2.h 50000	n_2.h 100000	n_2.h 500000	n_2.h 1000000	(KW)	(ta=20℃) (n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
R3	52.7	105000	79000	64000	52000	32200	26200	100	90	1500	2 500	3200	6L
	67.7	135000	12600	113000	100000	66000	54000	150	90	1500	2 500	2600	6K
	80.7	130000	12000	110000	95000	60000	50000	150	90	1500	2 500	2100	6G
	95.8	130000	12000	110000	95000	60000	50000	130	90	1500	2 500	2100	6G
R4	234	135000	12600	113000	100000	66000	54000	75	45	1750	3 500	800	5G
	300	135000	12600	113000	100000	66000	54000	60	45	1750	3 500	630	5E
	385	135000	12600	113000	100000	66000	54000	52	45	1750	3 500	500	5C
	459	135000	12600	113000	100000	66000	54000	45	45	1750	3 500	400	5B
	545	135000	12600	113000	100000	66000	54000	40	45	1750	3 500	400	5B
	650	130000	12000	110000	95000	60000	50000	33	45	1750	3 500	400	5B
	772	130000	12000	110000	95000	60000	50000	28	45	1750	3 500	400	5B

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP316 L


F
F2
I
F1
HZ
165
110
L
30
13
ø670
ø580 f7
W170x5x32
DIN5480
12°
ø22 n°30
625
C
260
HC
ø180
V1
V2
V3
PZ
165
W170x5
DIN5480
IEC
B5
E
L
PC
260
ø180
C
75
150
75
150
520
770
400
45
370
500
650
780
ø38 n°8

MSEP316 L



FP version

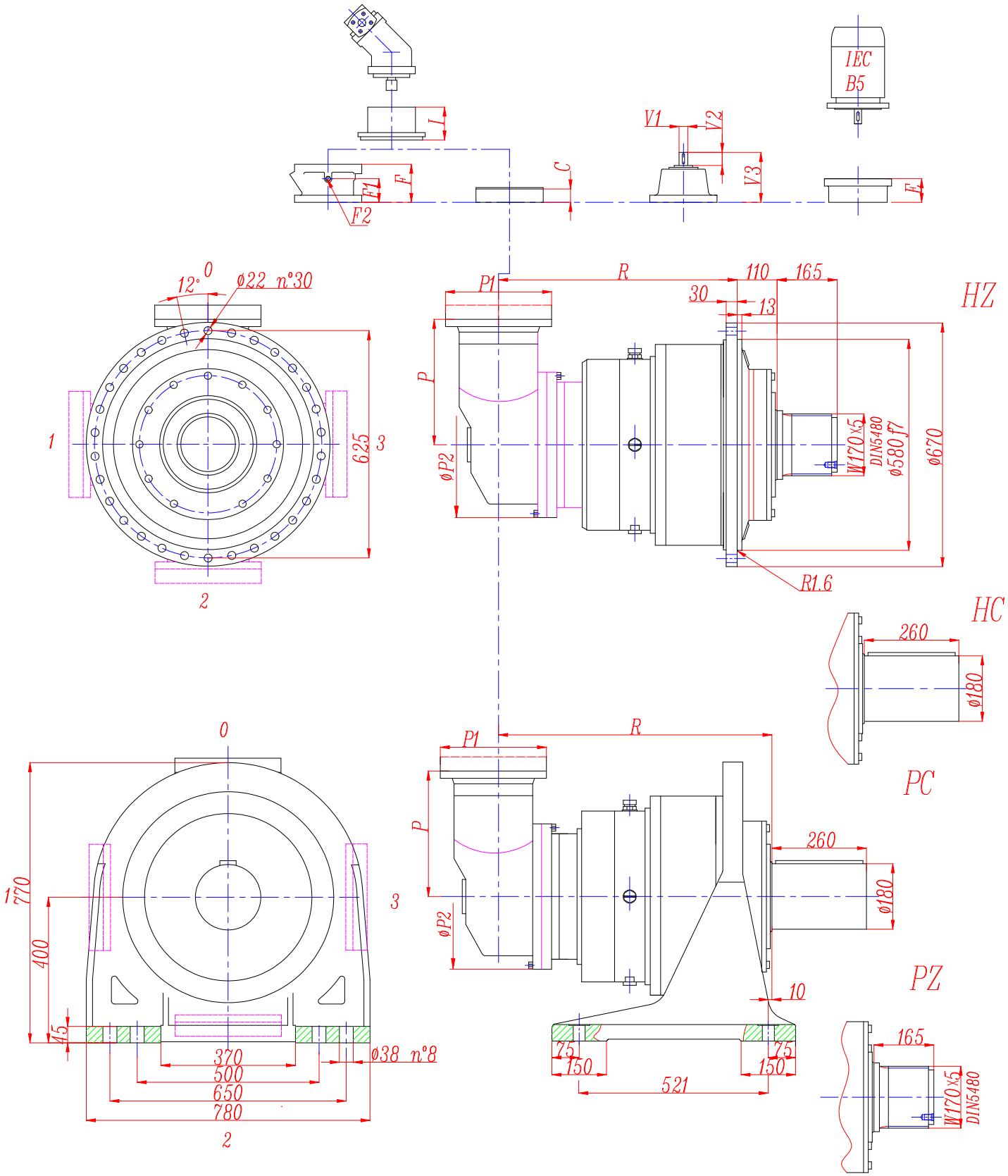
Max. transmissible

162000 N.m

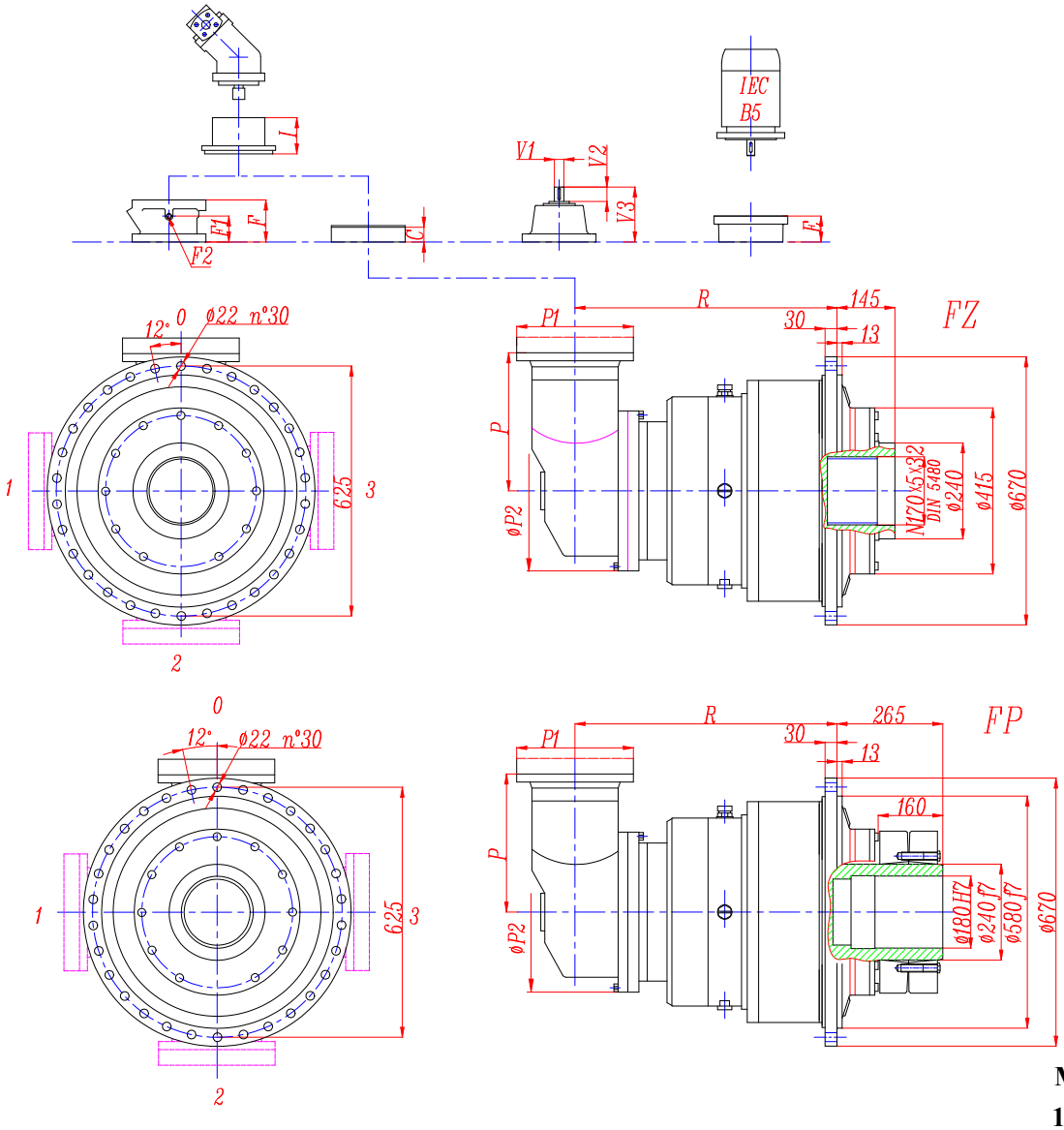
	L				Ref. weight (without input) (Kg)				C	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP			F	F1	F2	Type	Ref. Weight
316 L1	179	289	179	179	500	700	430	450	156	According to hydraulic motor					
316 L2	431	541	431	431	590	790	520	540	81						
316 L3	564	674	564	564	640	840	590	460	51		201	153	1/4 G	6	38 Kg
316 L4	657	767	657	657	660	860	610	472	37		145	95	1/4 G	5	22 Kg

	E (IEC motor input)													
						IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250			
316 L1														
316 L2														
316 L3							159	159	169	198	198			
316 L4						120	153	153	153	186				

MSEP316 R


IEC
B5
V1
V2
V3
I
F
F1
F2
C
E
0
12°
ø22 n°30
1
2
3
6.25
P1
R
110
165
30
13
HZ
P
øP2
W170x5
DIN5480
ø580 f7
ø670
R1.6
HC
260
ø180
PC
770
400
45
ø38 n°8
370
500
650
780
10
PZ
75
150
521
W170x5
DIN5480

MSEP316 R



FP version

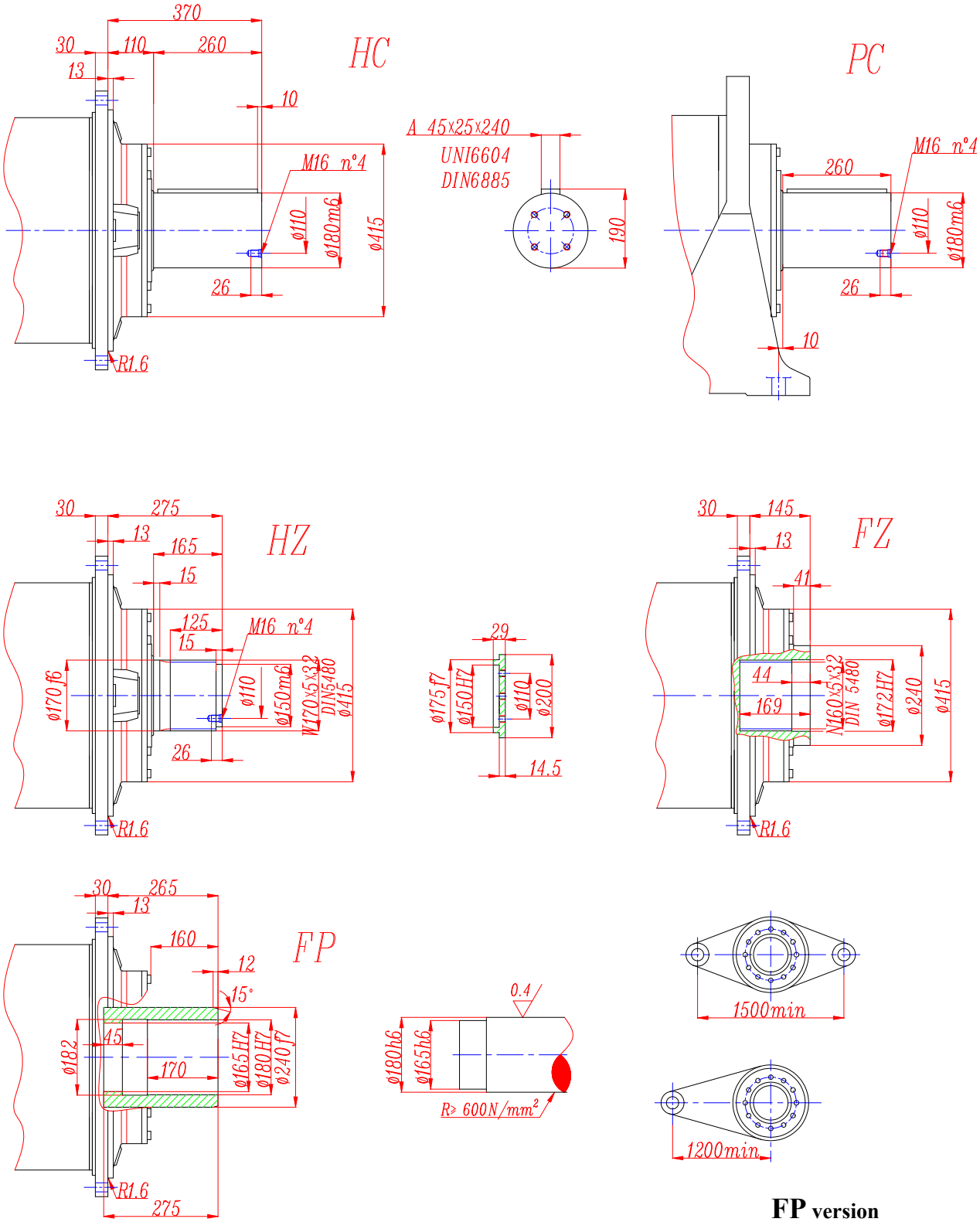
Max. transmissible

162000 N.m

	R				Ref. weight (without input) (Kg)				C	P	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP				F	F1	F2	Type	Ref. Weight Kg
											According					
316 R3	656	766	656	656	720	920	650	670	45	480	to hydraulic	196	115	1/4 G	6	75
316 R4	687	797	687	687	690	890	620	640	37	345	motor	142	88	1/4 G	4	38

	P1					E (IEC motor input)										
						IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250
316 R3	245											153	153	163	192	192
316 R4	245										120	153	153	153	186	

MSEP316 L - MSEP316 R

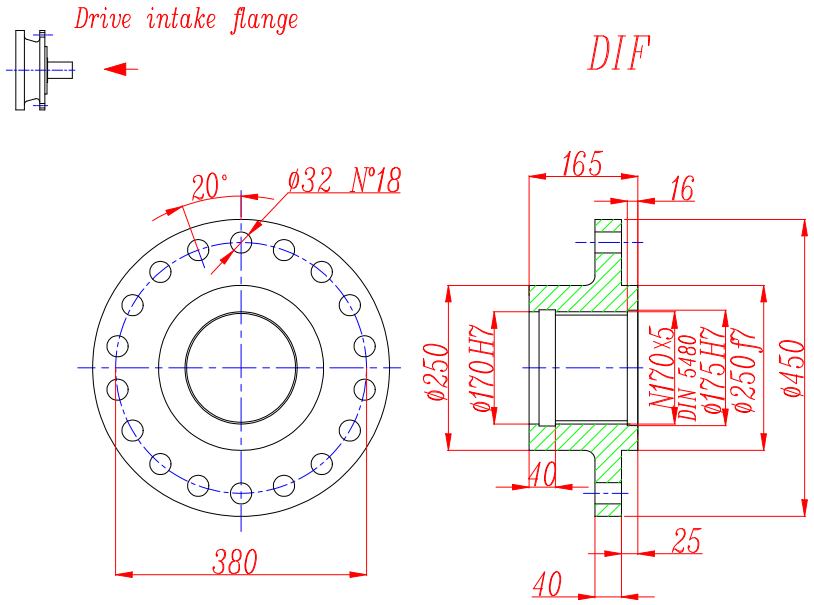


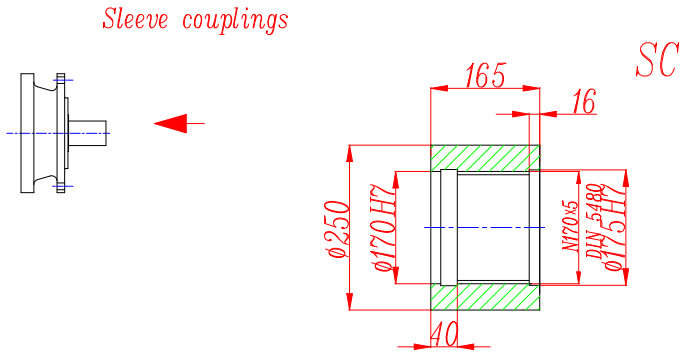
FP version

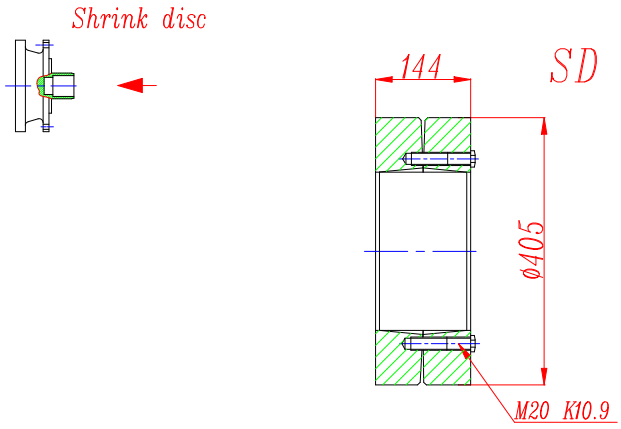
Max. transmissible

162000 N.m

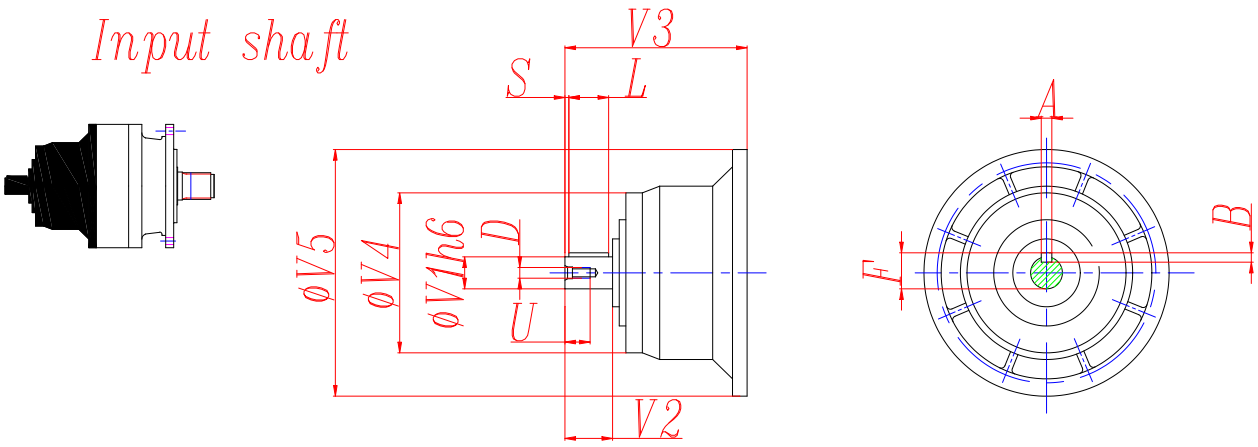
MSEP316 L - MSEP316 R







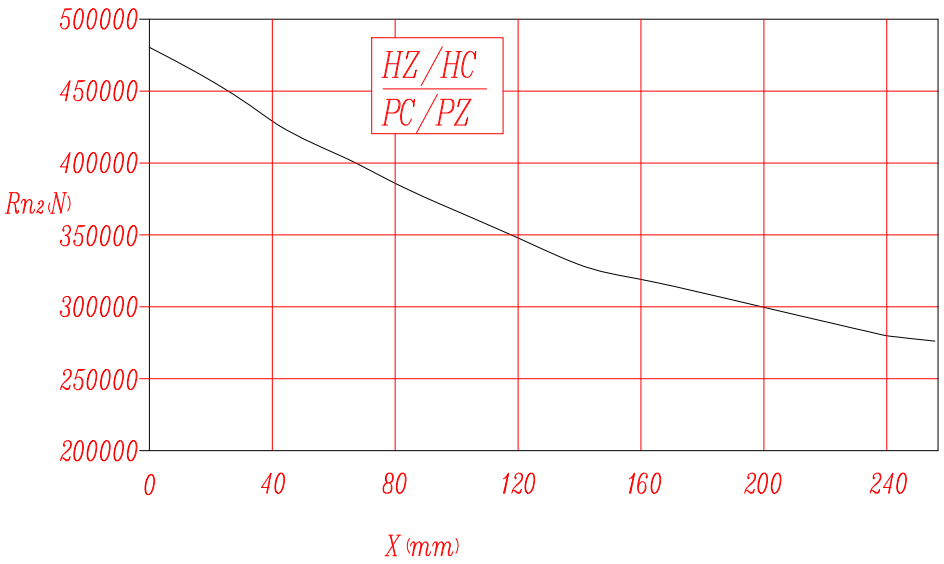
MSEP316 L - MSEP316 R

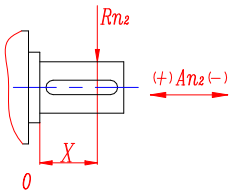


	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
316 L2	V11B	80	130	348	200	428	22	14	85	110	10	M16	36
316 L3	V07B	80	130	316	200	345	22	14	85	110	105	M16	36
	V07A	60	105	316	155	345	18	11	64	90	7.5	M16	36
316 L4	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
316 R3	V06B	60	105	307	155	292	18	11	64	90	7.5	M16	36
316 R4	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36

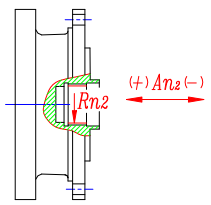
MSEP316 L - MSEP316 R

Permissible radial and axial loads on output shaft with Fh2 (n2 • h=10 000)





	An2 (+)	An2 (–)
HZ–HC–PC–PZ	360 000	300 000

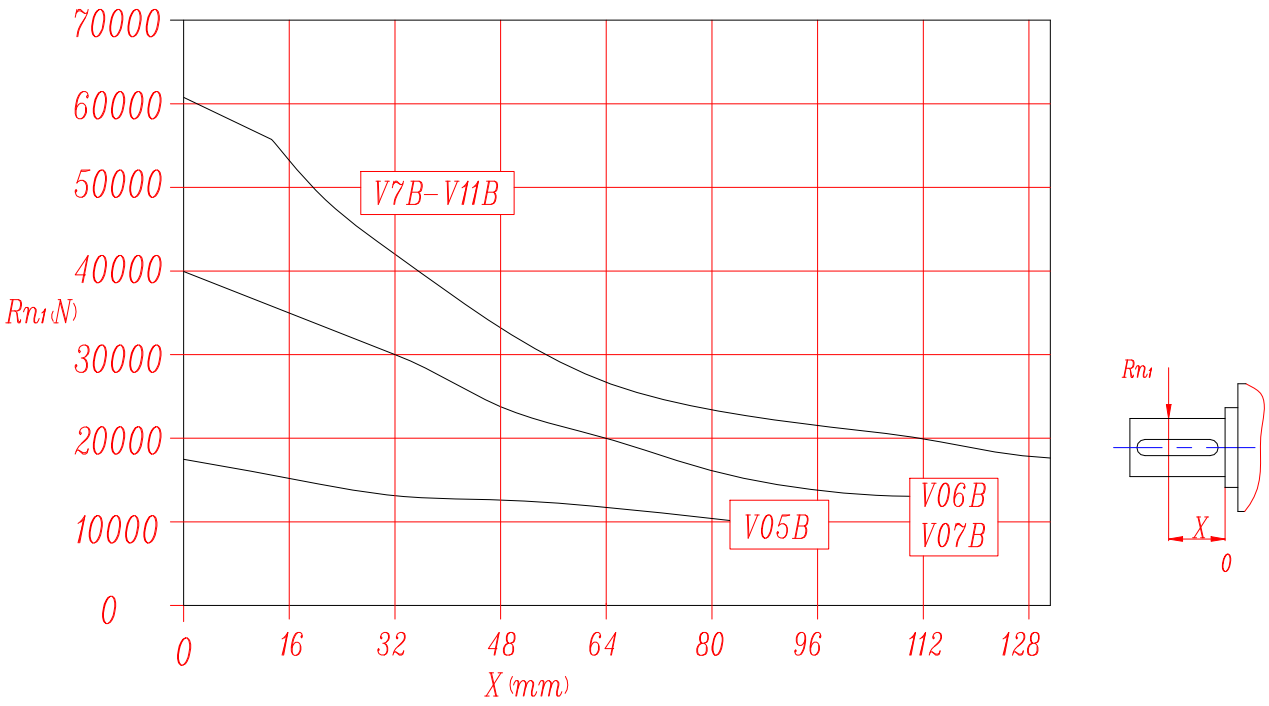


	Rn2	An2 (+/–)
FZ	150 000	150 000

MSEP316 L - MSEP316 R

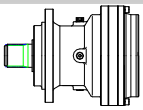
Load corrective factor fh2 on shafts	fh2= n2 • h		10 000	25 000	50 000	100 000	500 000	1 000 000
	fh2	FZ	1	0.74	0.58	0.46	0.27	0.21
		HZ-HC-PC-PZ	1	0.76	0.61	0.50	0.31	0.25

Permissible radial loads on input shaft with Fh1 (n1 • h=250 000)



Load corrective factor fh1 on shafts	Fh1= n1 • h	250 000	500 000	1 000 000	2 00 000	5 000 000	10 000 000
	fh1	1	0.79	0.63	0.50	0.37	0.29

MSEP317L



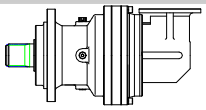
M2'=150000N.m

	I	Mn_2 (N.m)						P_1	P_t(KW) (ta=20℃)	n_1	n_{1max}	M_b	Brake type
	1:	n_2.h 10000	n_2.h 25000	n_2.h 50000	n_2.h 100000	n_2.h 500000	n_2.h 1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
L1	4.09	180000	180000	166000	135000	83000	67000	300	85	200	300		
	4.40	170000	153000	141000	130000	80000	65000	300	85	200	300		
	5.25	170000	153000	141000	130000	80000	65000	300	85	200	300		
	6.23	145000	126000	115000	115000	78000	64000	300	85	200	300		
L2	14.94	180000	180000	166000	135000	83000	67000	200	55	500	800		
	18.53	170000	153000	141000	130000	80000	65000	200	55	500	800		
	22.11	170000	153000	141000	130000	80000	65000	200	55	500	800		
	26.60	170000	153000	141000	130000	80000	65000	200	55	500	800		
	34.36	170000	153000	141000	130000	80000	65000	200	55	500	800		
	40.78	145000	126000	115000	115000	78000	64000	200	55	500	800		
L3	51.23	180000	180000	166000	135000	83000	67000	130	35	1400	2000	3200	6L
	65.74	180000	180000	166000	135000	83000	67000	130	35	1400	2000	3200	6L
	71.02	170000	153000	141000	130000	80000	65000	130	35	1400	2000	2600	6K
	81.52	170000	153000	141000	130000	80000	65000	130	35	1400	2000	2600	6K
	97.26	170000	153000	141000	130000	80000	65000	130	35	1400	2000	2100	6G
	139.6	170000	153000	141000	130000	80000	65000	130	35	1400	2000	1500	6E
	165.7	170000	153000	141000	130000	80000	65000	120	35	1400	2000	1500	6E
	214.1	170000	153000	141000	130000	80000	65000	100	35	1400	2000	1100	6C
	254.1	145000	126000	115000	115000	78000	64000	70	35	1400	2000	1100	6C
L4	187.8	180000	180000	166000	135000	83000	67000	100	18	1800	3800	800	5G
	215.1	180000	180000	166000	135000	83000	67000	100	18	1800	3800	800	5G
	241.0	180000	180000	166000	135000	83000	67000	90	18	1800	3800	800	5G
	276.1	180000	180000	166000	135000	83000	67000	80	18	1800	3800	800	5G
	342.3	170000	153000	141000	130000	80000	65000	50	18	1800	3800	630	5E
	407.5	170000	153000	141000	130000	80000	65000	45	18	1800	3800	500	5C
	486.3	170000	153000	141000	130000	80000	65000	37	18	1800	3800	500	5C
	580.2	170000	153000	141000	130000	80000	65000	32	18	1800	3800	400	5B
	646.5	170000	153000	141000	130000	80000	65000	28	18	1800	3800	400	5B
	952.1	170000	153000	141000	130000	80000	65000	20	18	1800	3800	400	5B
	1130.	170000	153000	141000	130000	80000	65000	17	18	1800	3800	400	5B
	1341.	145000	126000	115000	115000	78000	64000	12	18	1800	3800	400	5B
	1732.	145000	126000	115000	115000	78000	64000	12	18	1800	3800	400	5B

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP317R

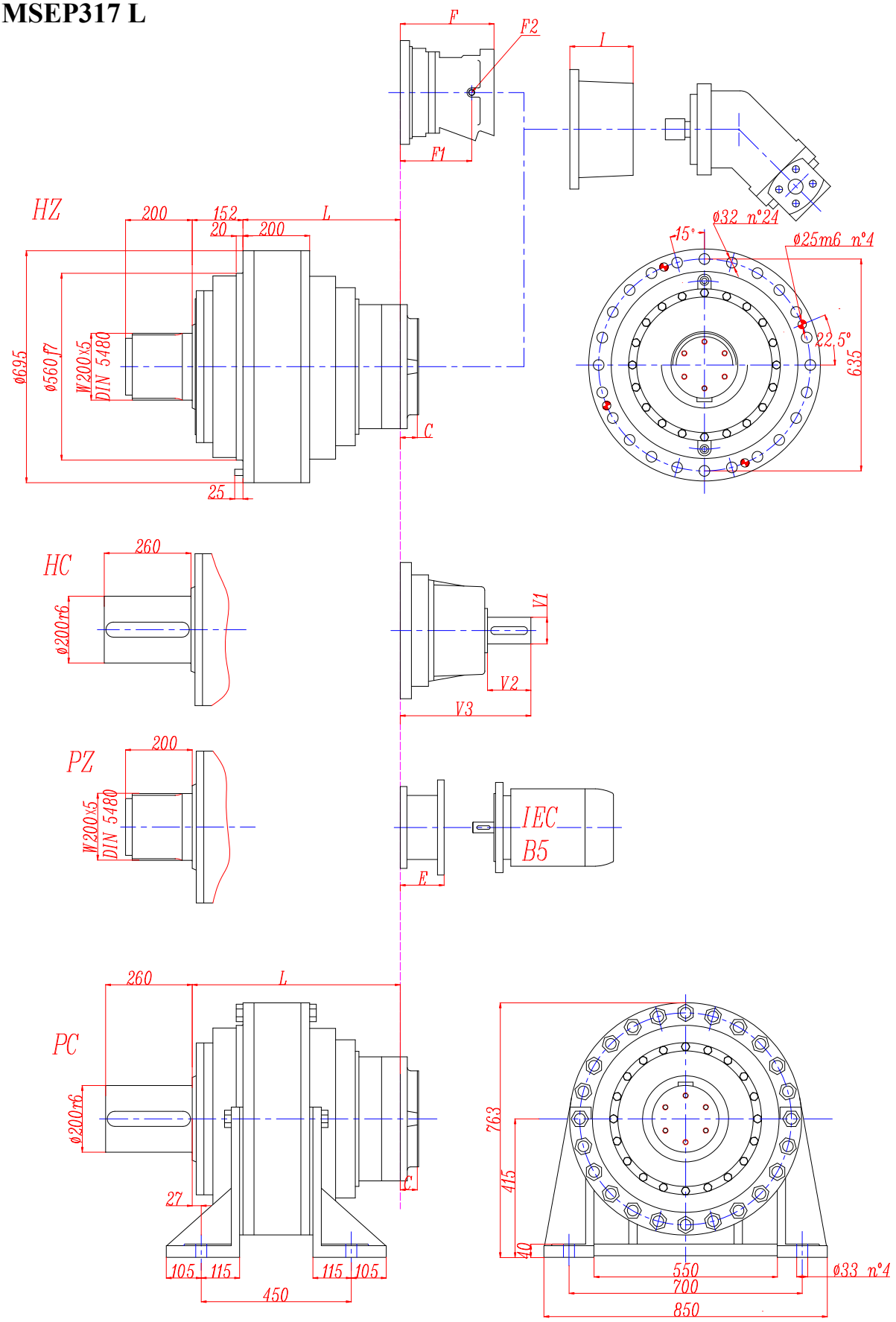
M2'=150000N.m



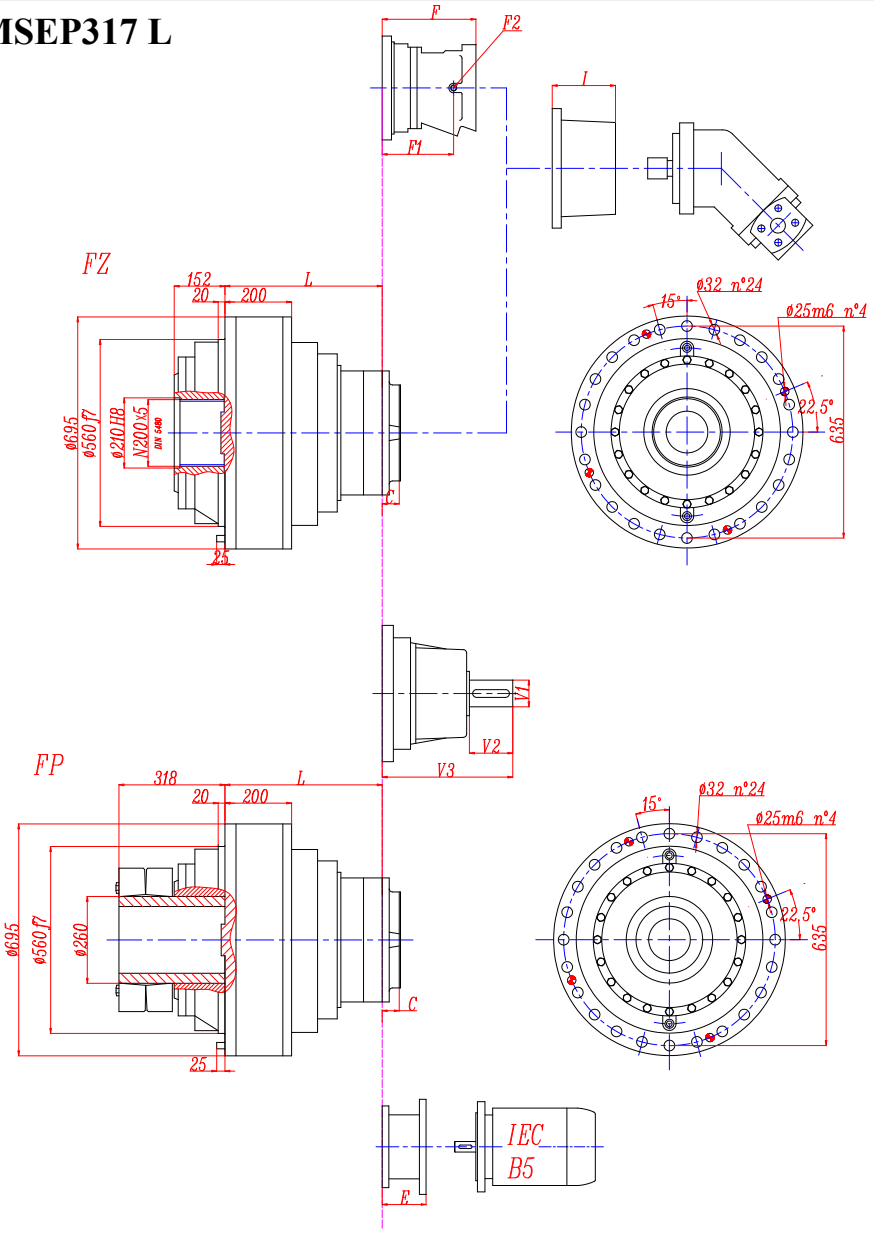
	I	Mn_2 (N.m)						P_1	P_t(KW) (ta=20℃)	n_1	n_{1max}	M_b	Brake type
	1:	n_2.h 10000	n_2.h 25000	n_2.h 50000	n_2.h 100000	n_2.h 500000	n_2.h 1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
R3	54.2	105000	79000	64000	52000	32200	26200	150	90	1400	2 500	2600	6K
	64.7	135000	12600	113000	100000	66000	54000	150	90	1400	2 500	2600	6K
	77.9	170000	15300	141000	130000	80000	65000	150	55	1400	800	2600	6K
	100.	145000	12600	115000	115000	78000	64000	150	85	1400	300	2100	6G
R4	193.	135000	12600	113000	100000	66000	54000	90	50	1750	3 500	800	5G
	248.	170000	15300	141000	130000	80000	65000	90	50	1750	3 500	800	5G
	268.	170000	15300	141000	130000	80000	65000	90	50	1750	3 500	800	5G
	308.	170000	15300	141000	130000	80000	65000	90	50	1750	3 500	630	5E
	368.	170000	15300	141000	130000	80000	65000	80	50	1750	3 500	500	5C
	528.	170000	15300	141000	130000	80000	65000	60	50	1750	3 500	400	5B
	627.	170000	15300	141000	130000	80000	65000	50	50	1750	3 500	400	5B
	810.	170000	15300	141000	130000	80000	65000	38	50	1750	3 500	400	5B
	961.	145000	12600	115000	115000	78000	64000	26	50	1750	3 500	400	5B

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP317 L


F
F2
F1
I
HZ
200
152
20
200
L
ø695
ø560 f7
W200x5
DIN 5480
C
25
15°
ø32 n°24
ø25m6 n°4
22,5°
635
HC
260
ø200r6
V1
V2
V3
PZ
200
W200x5
DIN 5480
IEC
B5
E
PC
260
L
ø200r6
27
105
115
115
105
450
763
415
40
550
700
850
ø33 n°4

MSEP317 L



FP version

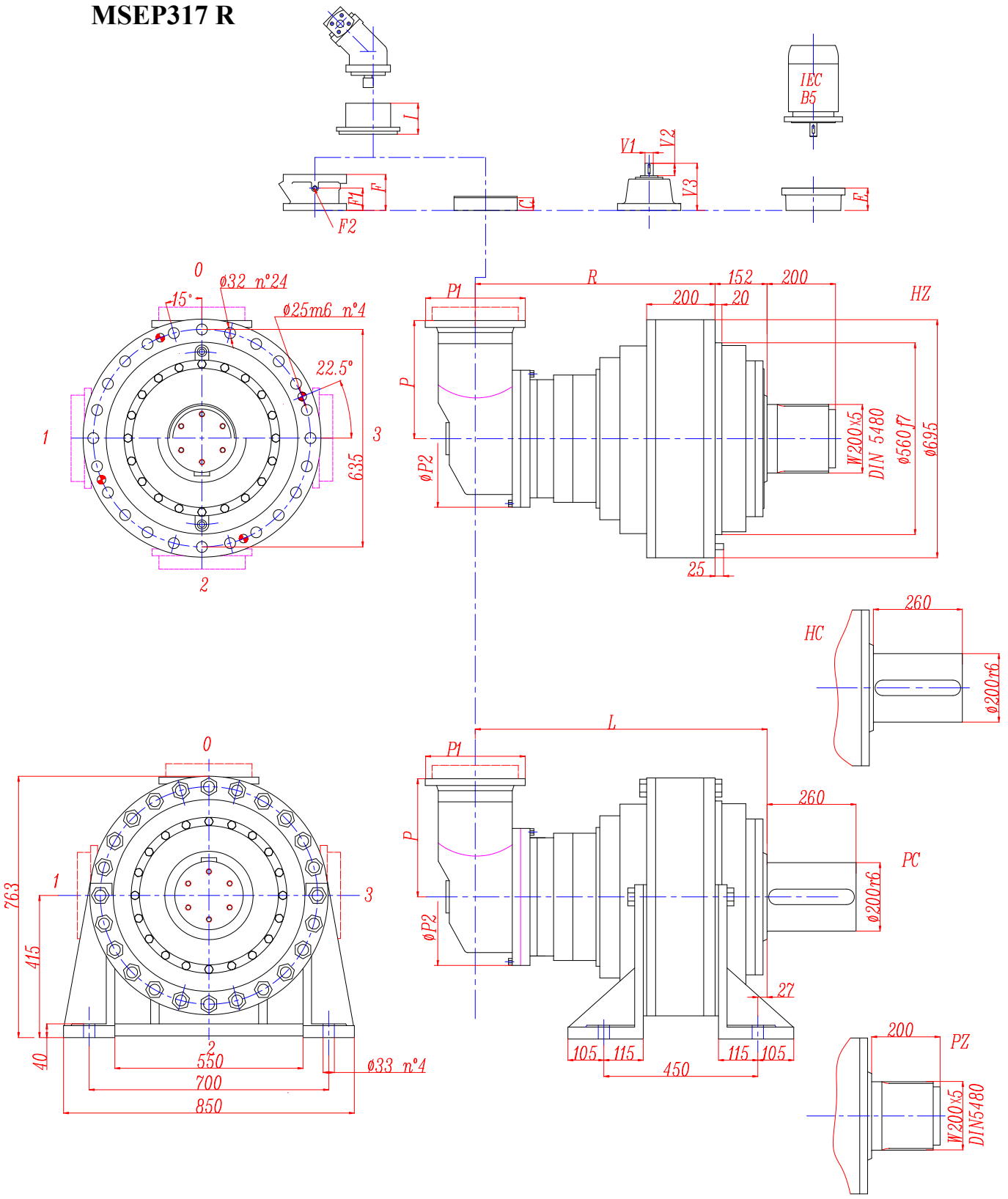
Max. transmissible

216000 N.m

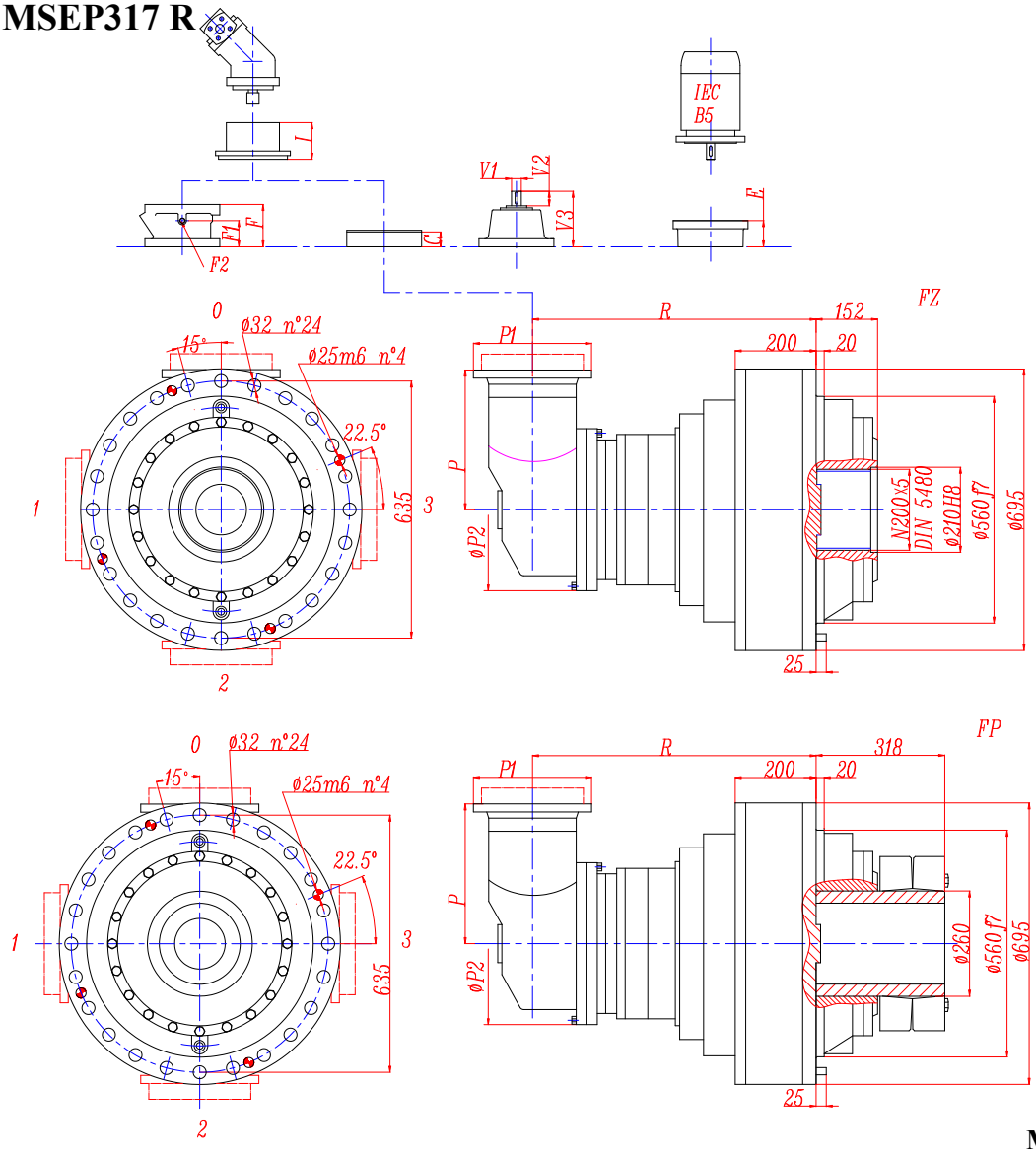
	L				Ref. weight (without input) (Kg)				C	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP			F	F1	F2	Type	Ref. Weight
317 L1	163	315	163	163	800	950	750	800	181	According to hydraulic motor					
317 L2	472	624	472	472	930	1080	880	930	75						
317 L3	621	773	621	621	990	1140	940	990	51		196	115	1/4 G	6	75 Kg
317 L4	710	862	710	710	1002	1152	952	1002	37		142	88	1/4 G	5	38 Kg

	E (IEC motor input)													
						IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250			
317 L1														
317 L2														
317 L3							159	159	169	198	198			
317 L4						120	153	153	153	186				

MSEP317 R


IEC
B5
I
V1
V2
V3
F1
F
F2
G
E
0
ø32 n°24
15°
ø25m6 n°4
22.5°
1
3
2
635
P1
R
152
200
200
20
HZ
P
øP2
W200X5
DIN 5480
ø560f7
ø695
25
260
HC
ø200r6
L
P1
260
P
PC
øP2
ø200r6
27
105
115
450
115
105
200
PZ
W200X5
DIN5480
763
415
40
550
700
850
ø33 n°4

MSEP317 R



FP version

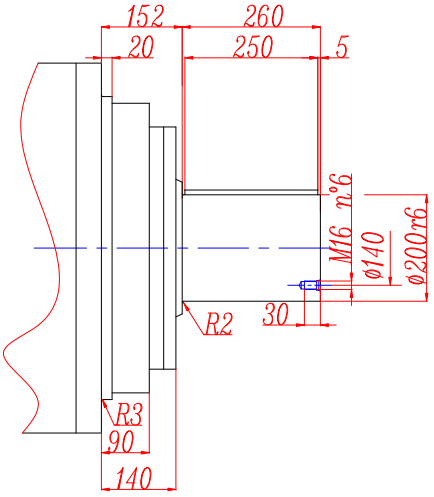
Max. transmissible

216000 N.m

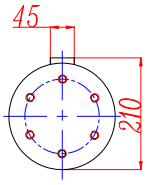
	R				Ref. weight (without input) (Kg)				C	P	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP				F	F1	F2	Type	Ref. Weight Kg
											According to hydraulic motor					
317R3	701	853	701	701	1040	1190	990	1040	37	330		196	115	1/4 G	6	75
317 R4	740	892	740	740	1040	1190	990	1040	37	225		142	88	1/4 G	5	38

	P1	E (IEC motor input)														
						IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250
317 R3	245											153	153	163	192	192
317 R4	245										120	153	153	153	186	

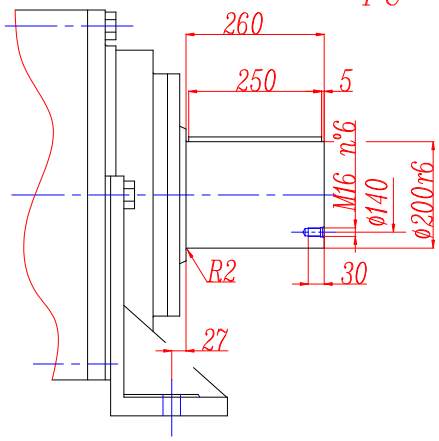
MSEP317 L - MSEP317 R

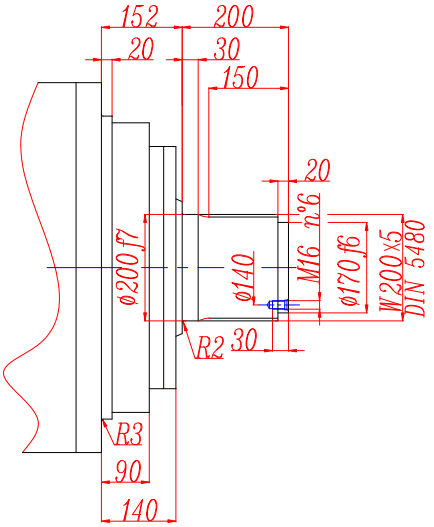


HC

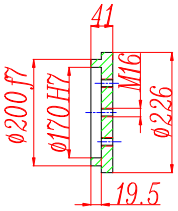


PC

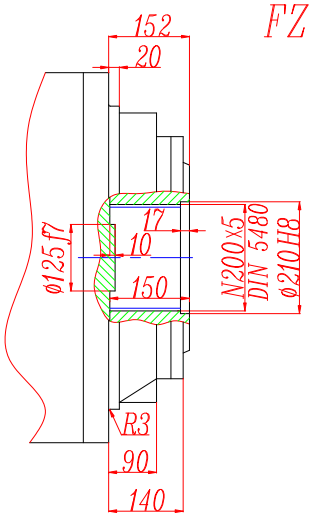


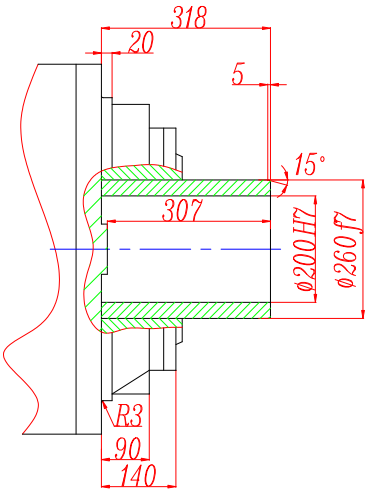


HZ

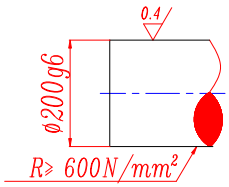


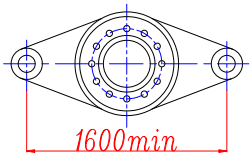
FZ

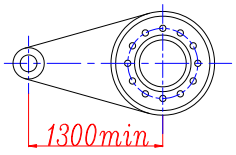




FP





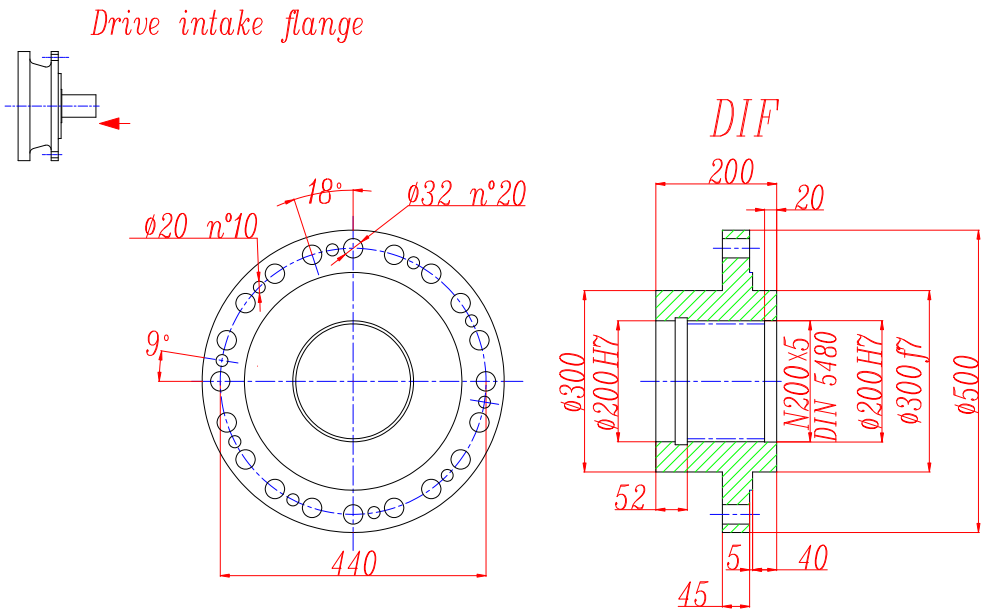


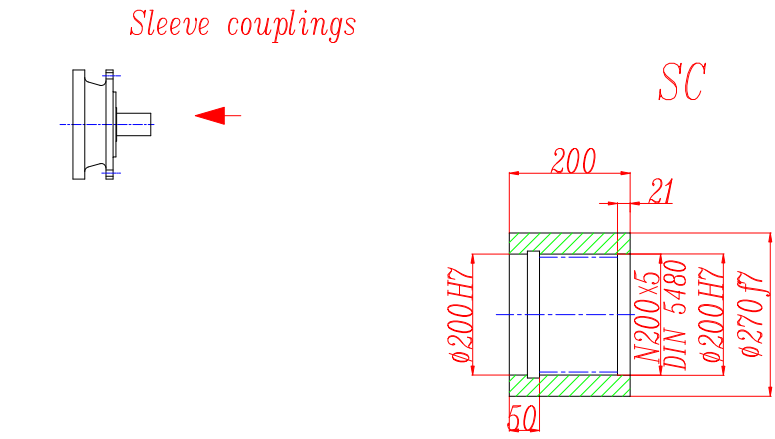
FP version

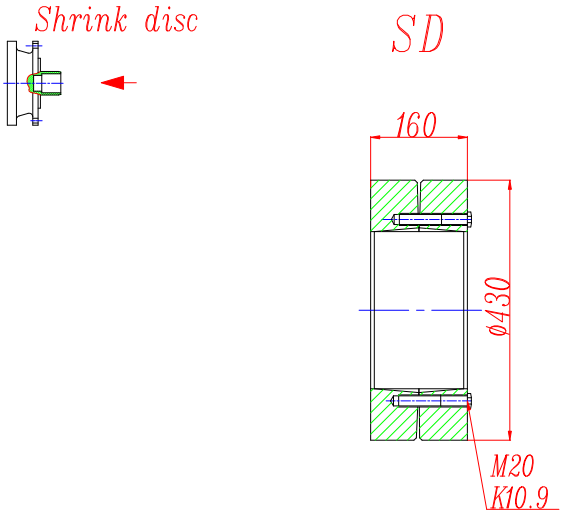
Max. transmissible

216000 N.m

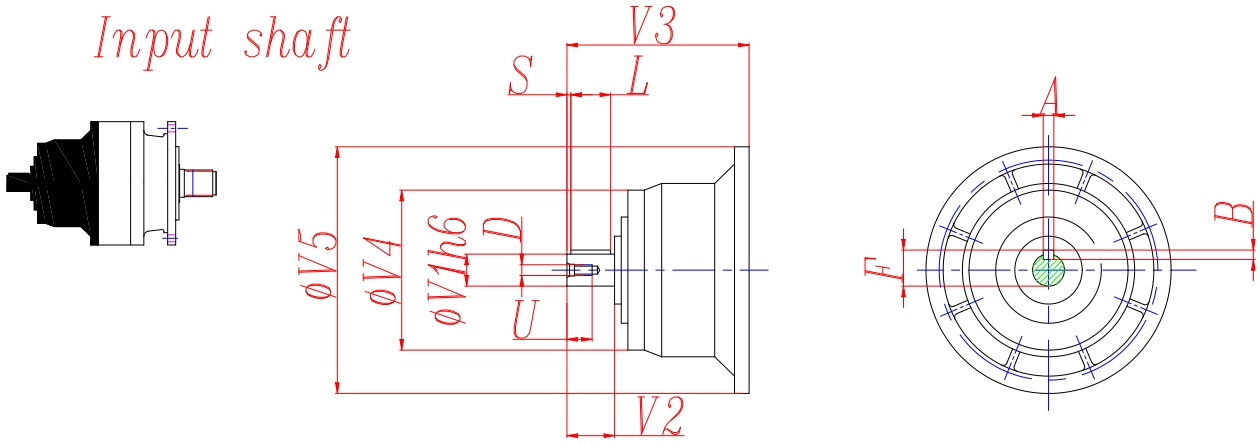
MSEP317 L - MSEP317 R







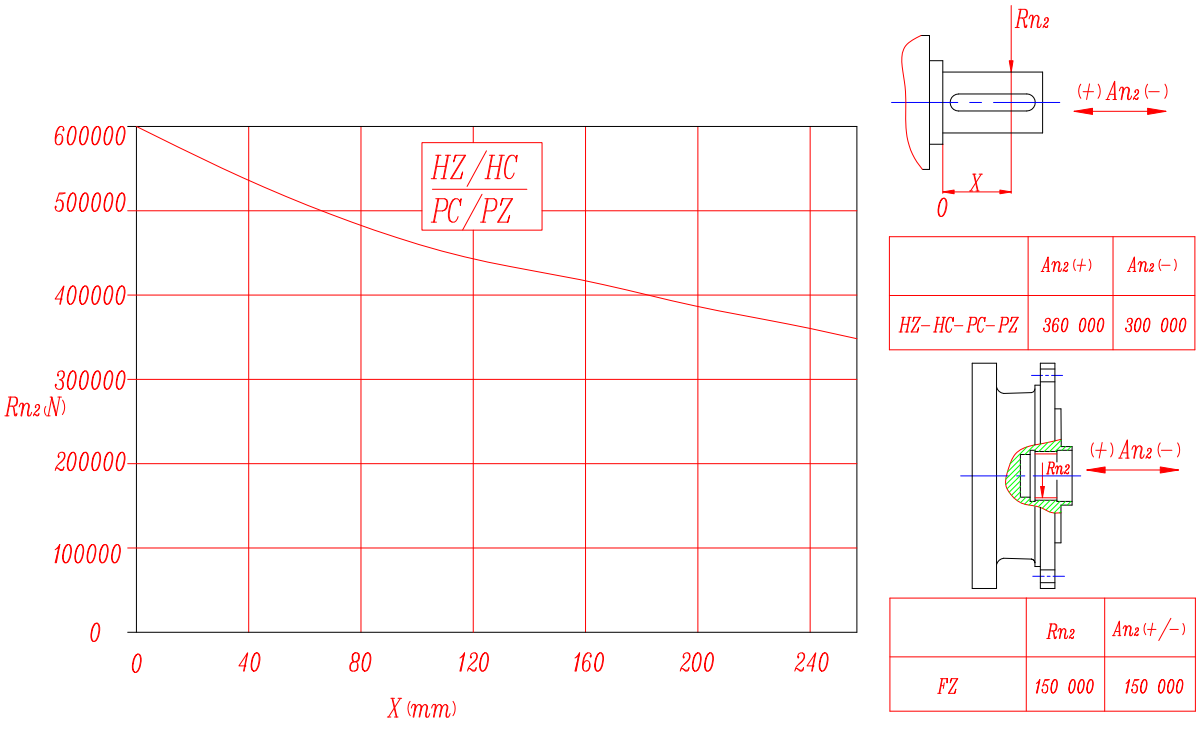
MSEP317 L - MSEP317 R



	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
317 L2	V11B	80	130	348	200	428	22	14	85	110	10	M16	36
317 L3	V07B	80	130	316	200	345	22	14	85	110	105	M16	36
	V07A	60	105	316	155	345	18	11	64	90	7.5	M16	36
317 L4	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
317 R3	V06B	60	105	307	155	292	18	11	64	90	7.5	M16	36
317 R4	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36

MSEP317 L - MSEP317 R

Permissible radial and axial loads on output shaft with Fh2 (n2 • h=10 000)



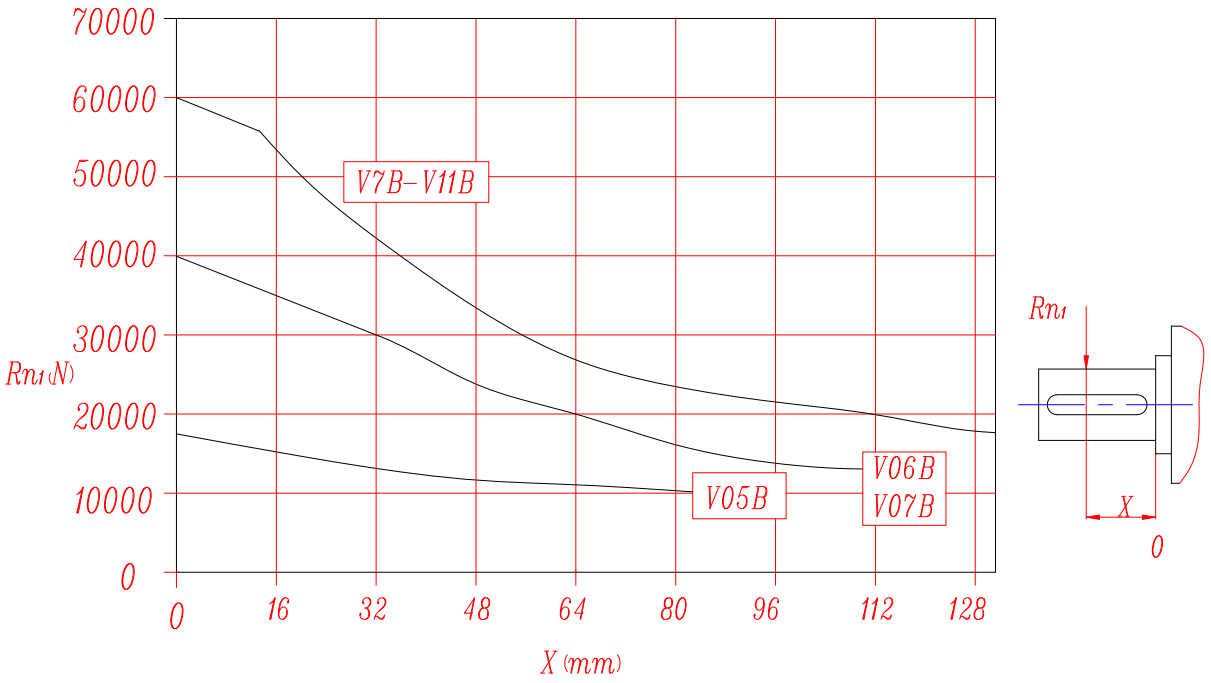
	An2 (+)	An2 (−)
HZ-HC-PC-PZ	360 000	300 000

	Rn2	An2 (+/−)
FZ	150 000	150 000

MSEP317 L - MSEP317 R

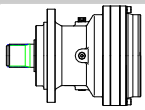
Load corrective factor fh2 on shafts	fh2= n2 • h		10 000	25 000	50 000	100 000	500 000	1 000 000
	fh2	FZ	1	0.74	0.58	0.46	0.27	0.21
		HZ-HC-PC-PZ	1	0.76	0.61	0.50	0.31	0.25

Permissible radial loads on input shaft with Fh1 (n1 • h=250 000)



Load corrective factor fh1 on shafts	Fh1= n1 • h	250 000	500 000	1 000 000	2 00 000	5 000 000	10 000 000
	fh1	1	0.79	0.63	0.50	0.37	0.29

MSEP318L

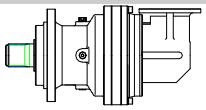


M2'=200000N.m

	I	Mn_2 (N.m)						P_1	P_t(KW) (ta=20℃)	n_1	n_{1max}	M_b	Brake type
	1:	n_2.h 10000	n_2.h 25000	n_2.h 50000	n_2.h 100000	n_2.h 500000	n_2.h 1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
L1	4.40	250000	250000	213000	173000	107000	87000	340	95	200	300		
L2	16.87	250000	250000	213000	173000	107000	87000	220	63	500	800		
	19.36	250000	250000	213000	173000	107000	87000	220	63	500	800		
	23.10	250000	250000	213000	173000	107000	87000	220	63	500	800		
	27.42	244000	209000	209000	173000	107000	87000	220	63	500	800		
L3	69.00	250000	250000	213000	173000	107000	87000	140	35	1400	2000	3200	6L
	79.20	250000	250000	213000	173000	107000	87000	140	35	1400	2000	3200	6L
	94.50	250000	250000	213000	173000	107000	87000	140	35	1400	2000	3200	6L
	101.6	250000	250000	213000	173000	107000	87000	140	35	1400	2000	2600	6K
	121.2	250000	250000	213000	173000	107000	87000	140	35	1400	2000	2100	6G
	143.9	250000	250000	213000	173000	107000	87000	140	35	1400	2000	2100	6G
	170.8	244000	209000	209000	173000	107000	87000	140	35	1400	2000	1500	6E
L4	236.5	250000	250000	213000	173000	107000	87000	60	22	1800	3800	1000	5K
	264.5	250000	250000	213000	173000	107000	87000	60	22	1800	3800	1000	5K
	303.6	250000	250000	213000	173000	107000	87000	60	22	1800	3800	1000	5K
	362.2	250000	250000	213000	173000	107000	87000	60	22	1800	3800	800	5G
	348.4	250000	250000	213000	173000	107000	87000	60	22	1800	3800	800	5G
	452.3	250000	250000	213000	173000	107000	87000	60	22	1800	3800	630	5E
	533.6	250000	250000	213000	173000	107000	87000	60	22	1800	3800	500	5C
	633.3	250000	250000	213000	173000	107000	87000	60	22	1800	3800	500	5C
	755.6	250000	250000	213000	173000	107000	87000	60	22	1800	3800	400	5B
	896.8	250000	250000	213000	173000	107000	87000	50	22	1800	3800	400	5B
	1064.	244000	209000	209000	173000	107000	87000	42	22	1800	3800	400	5B

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP318R

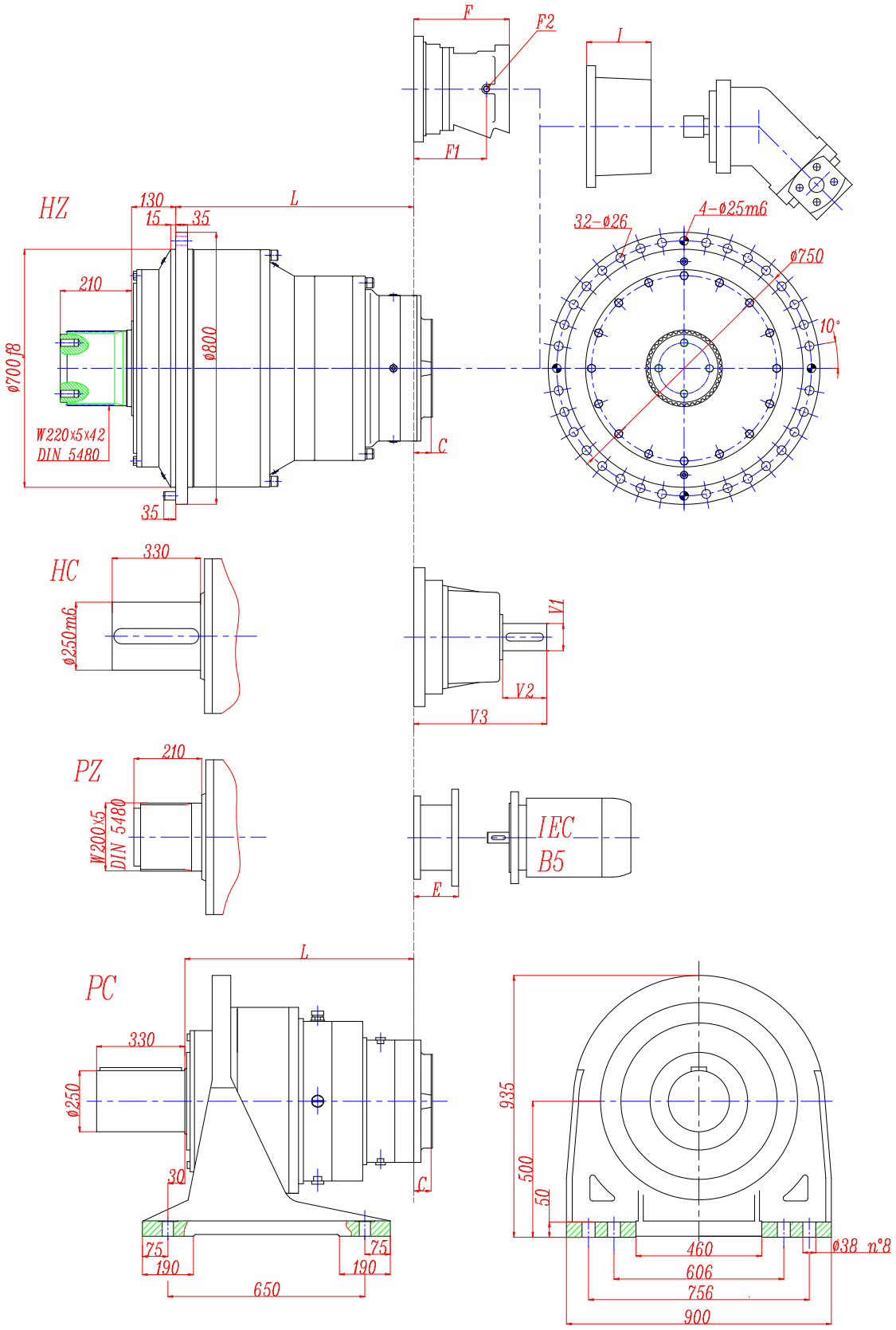


M2'=200000N.m

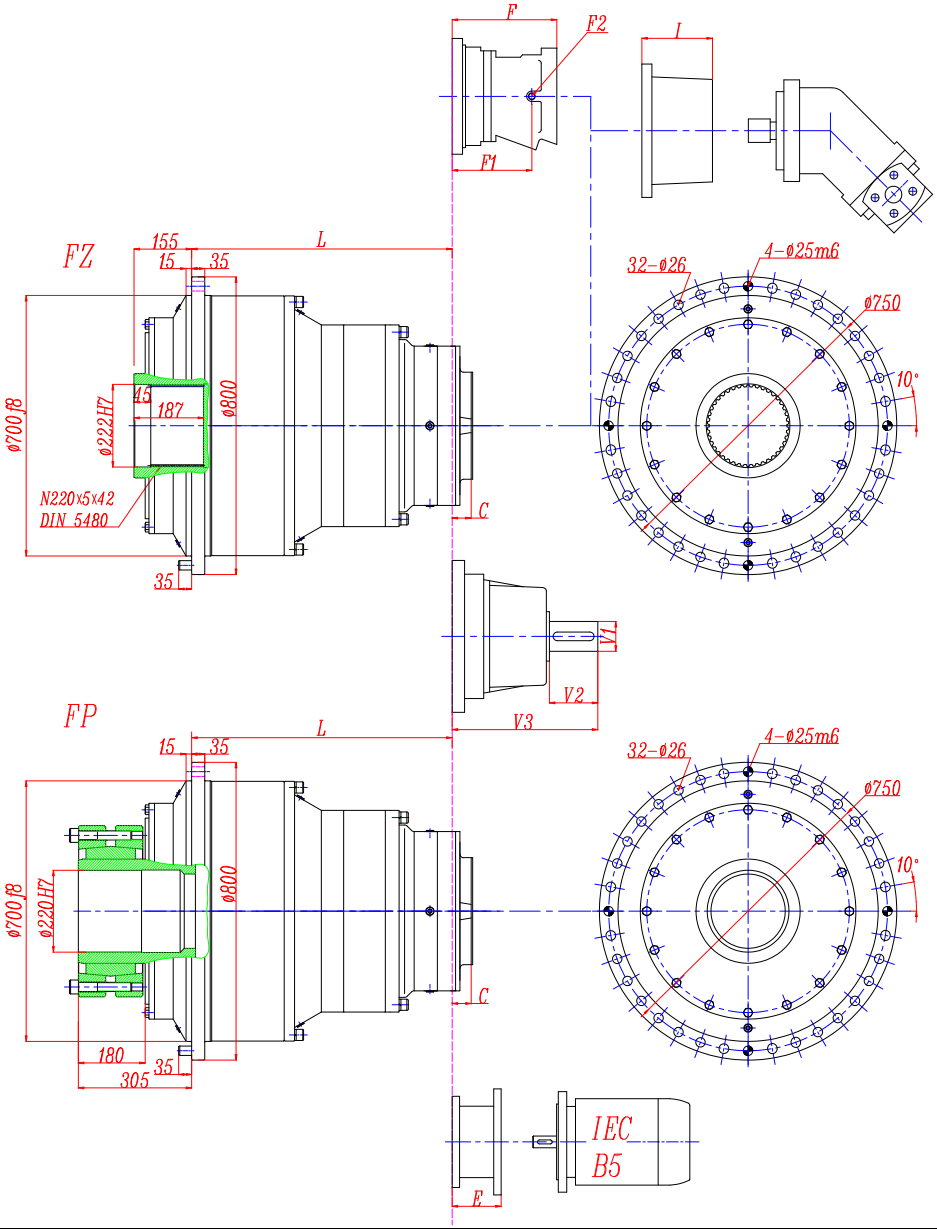
	I	Mn_2 (N.m)						P_1	P_t(KW) (ta=20℃)	n_1	n_{1max}	M_b	Brake type
	1:	n_2.h 10000	n_2.h 25000	n_2.h 50000	n_2.h 100000	n_2.h 500000	n_2.h 1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
R4	261.	250000	25000	213000	173000	107000	87000	140	110	1400	2000	1100	6C
	299.	250000	25000	213000	173000	107000	87000	120	110	1400	2000	1100	6C
	357.	250000	25000	213000	173000	107000	87000	100	110	1400	2000	850	6B
	384.	250000	25000	213000	173000	107000	87000	90	110	1400	2000	850	6B
	459.	250000	25000	213000	173000	107000	87000	80	110	1400	2000	850	6B
	544.	250000	25000	213000	173000	107000	87000	65	110	1400	2000	850	6B
	646.	244000	20900	209000	173000	107000	87000	50	110	1400	2000	850	6B

M_{2max}=1.2×Mn2(n2×h=10 000)

MSEP318 L


F
F2
F1
I
HZ
130
15
35
L
210
ø700 f8
ø800
W220x5x42
DIN 5480
C
35
32-ø26
4-ø25m6
ø750
10°
HC
330
ø250m6
V1
V2
V3
PZ
210
W200x5
DIN 5480
IEC
B5
E
PC
L
330
ø250
30
C
75
190
650
935
500
50
460
606
756
900
ø38 n°8

MSEP318 L



FP version

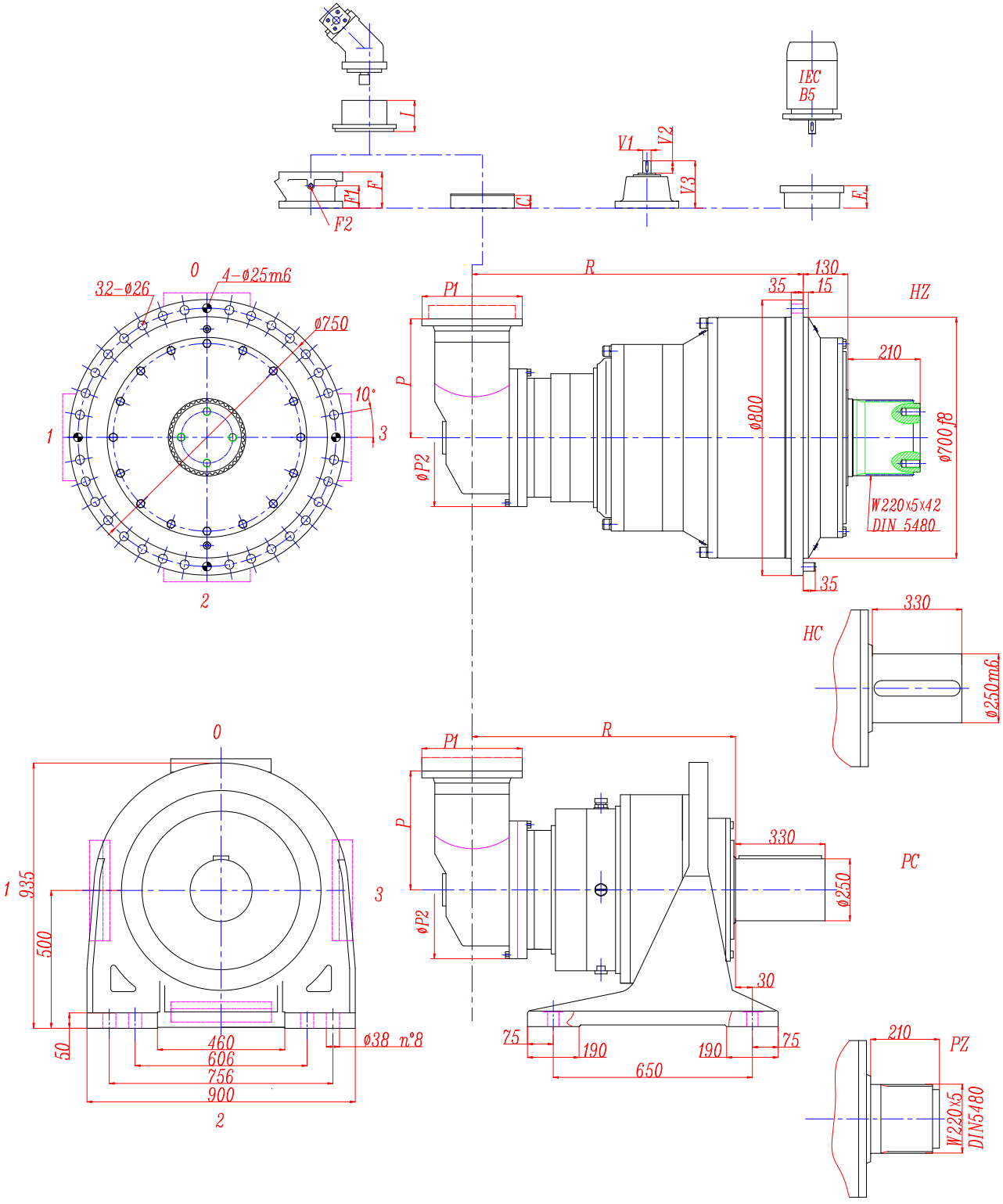
Max. transmissible

300000 N.m

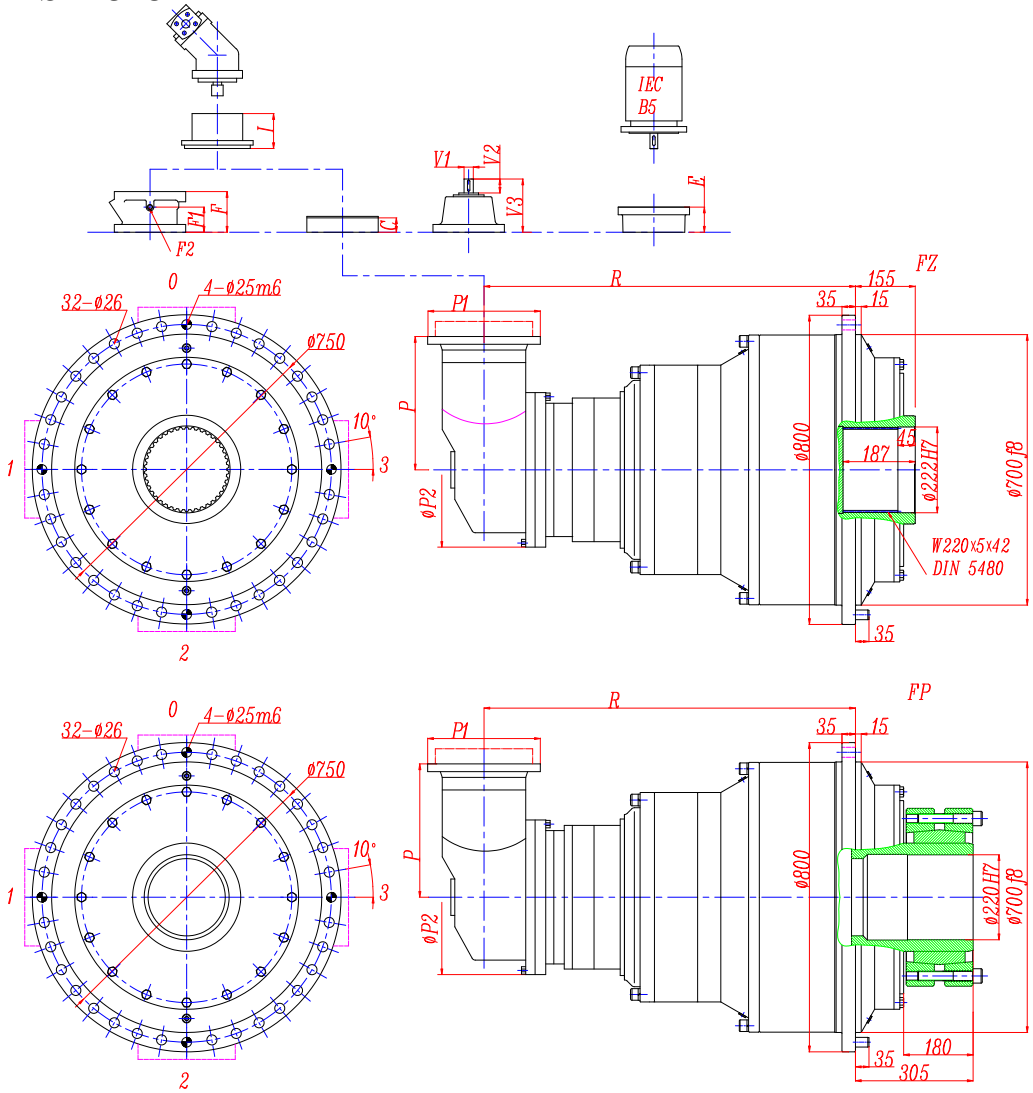
	L				Ref. weight (without input) (Kg)				C	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP			F	F1	F2	Type	Ref. Weight
318 L1	202	332	202	202	950	1250	800	830	208	According to hydraulic motor					
318 L2	547	677	547	547	1200	1500	1050	1080	116						
318 L3	759	889	759	759	1300	1600	1150	1180	81		196	115	1/4 G	6	75 Kg
318 L4	892	970	892	892	1350	1650	1200	1230	51		196	115	1/4 G	6	75 Kg

	E (IEC motor input)												
						IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250		
318 L3													
318 L4							159	159	169	198	198		

MSEP318 R


IEC
B5
I
V1
V2
V3
F
F1
F2
G
E
0
4-ø25m6
32-ø26
ø750
10°
1
3
2
R
P1
P
øP2
130
35
15
HZ
210
ø800
ø700 f8
W220x5x42
DIN 5480
35
330
HC
ø250m6
0
1
935
500
50
3
2
460
606
756
900
ø38 n°8
R
P1
P
øP2
330
PC
ø250
30
75
190
650
190
75
210
PZ
W220x5
DIN5480

MSEP318 R



FP version

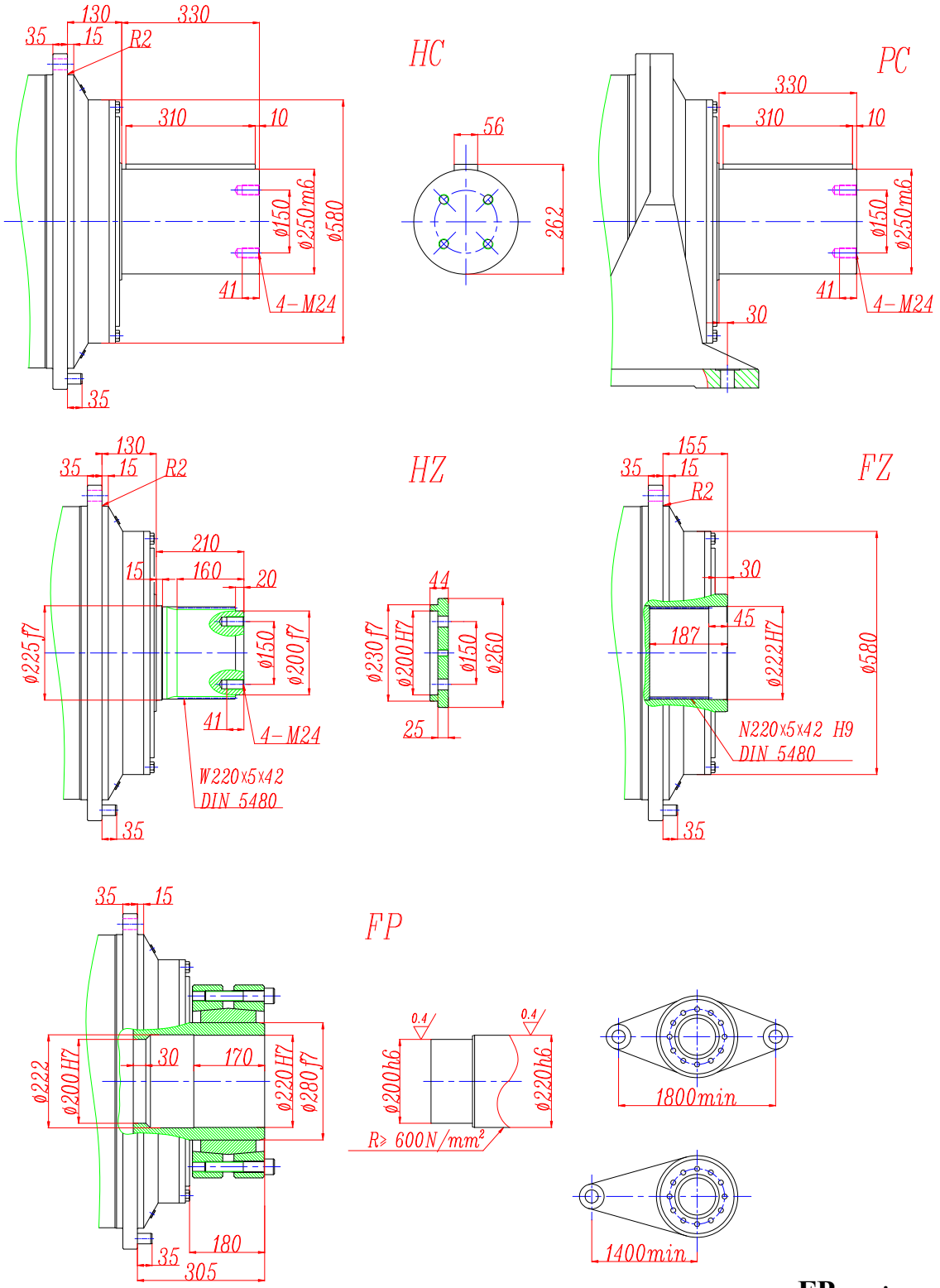
Max. transmissible

300000 N.m

	R				Ref. weight (without input) (Kg)				C	P	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP				F	F1	F2	Type	Ref. Weight Kg
											According					
318R3	701	853	701	701	1040	1190	990	1040	37	330	to hydraulic	196	115	1/4 G	6	75
318 R4	740	892	740	740	1040	1190	990	1040	37	225	motor	142	88	1/4 G	5	38

	P1	E (IEC motor input)														
						IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250
318 R3	245											153	153	163	192	192
318 R4	245										120	153	153	153	186	

MSEP318 L - MSEP318 R

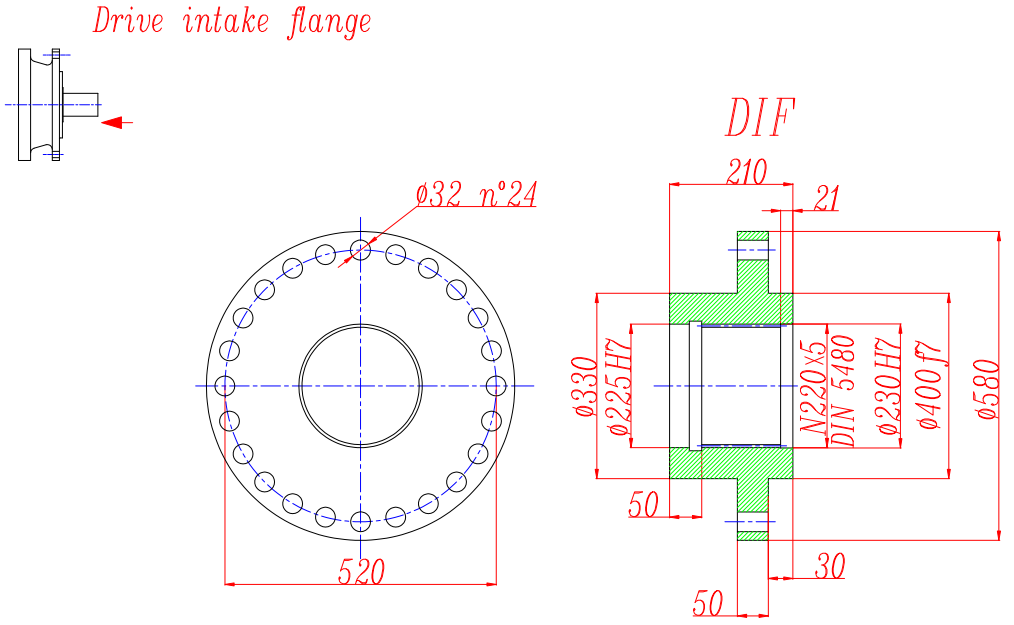


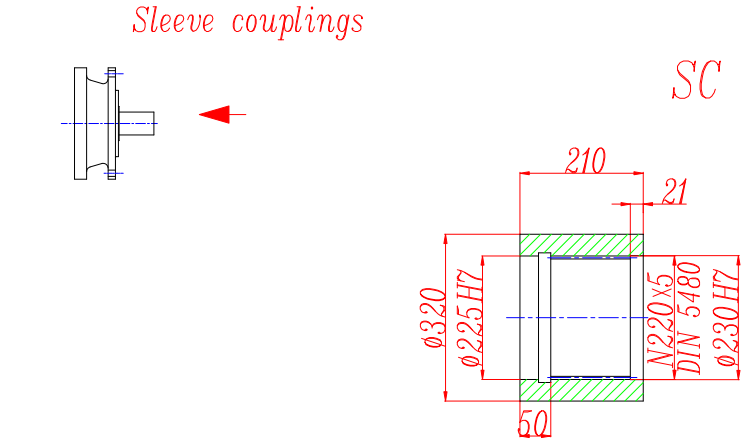
FP version

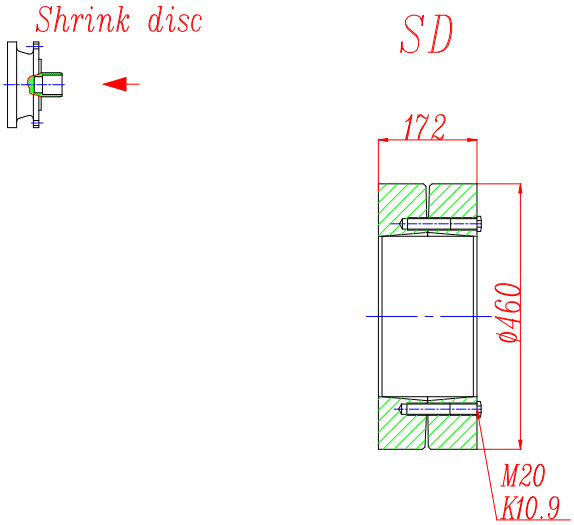
Max. transmissible

300000 N.m

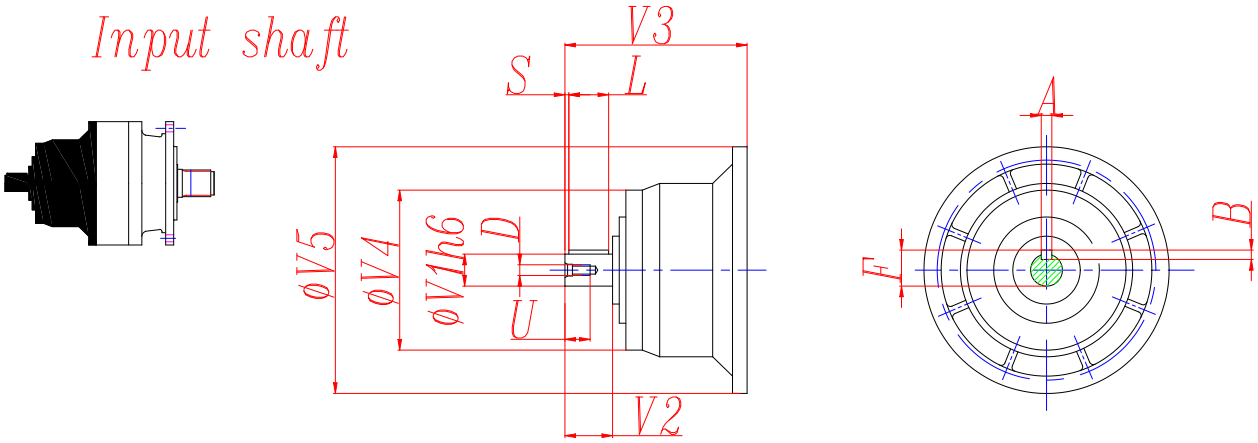
MSEP318 L - MSEP318 R







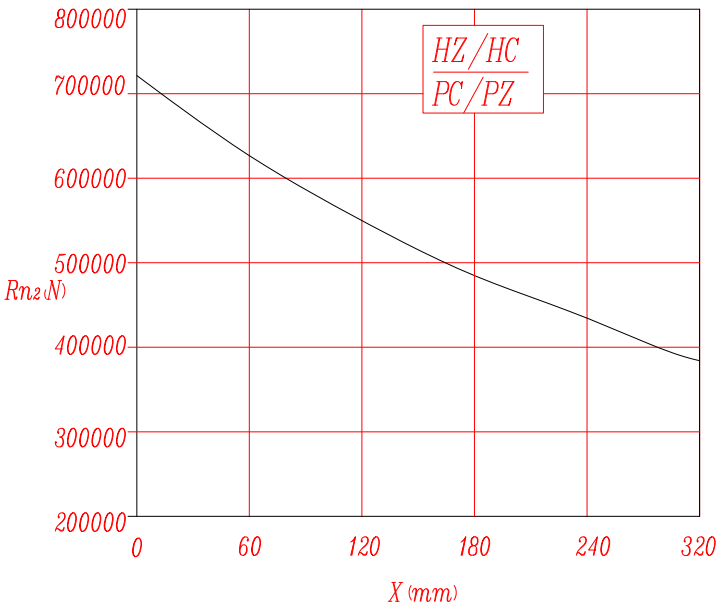
MSEP318 L - MSEP318 R

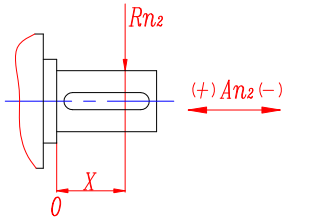


	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
318 L3	V11B	80	130	348	200	428	22	14	85	110	10	M16	36
318 L4	V07B	80	130	316	200	345	22	14	85	110	105	M16	36
	V07A	60	105	316	155	345	18	11	64	90	7.5	M16	36
318 R4	V06B	60	105	307	155	292	18	11	64	90	7.5	M16	36

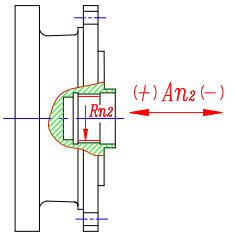
MSEP318 L - MSEP318 R

Permissible radial and axial loads on output shaft with Fh2 (n2 • h=10 000)





	An2 (+)	An2 (−)
HZ-HC-PC-PZ	500 000	450 000

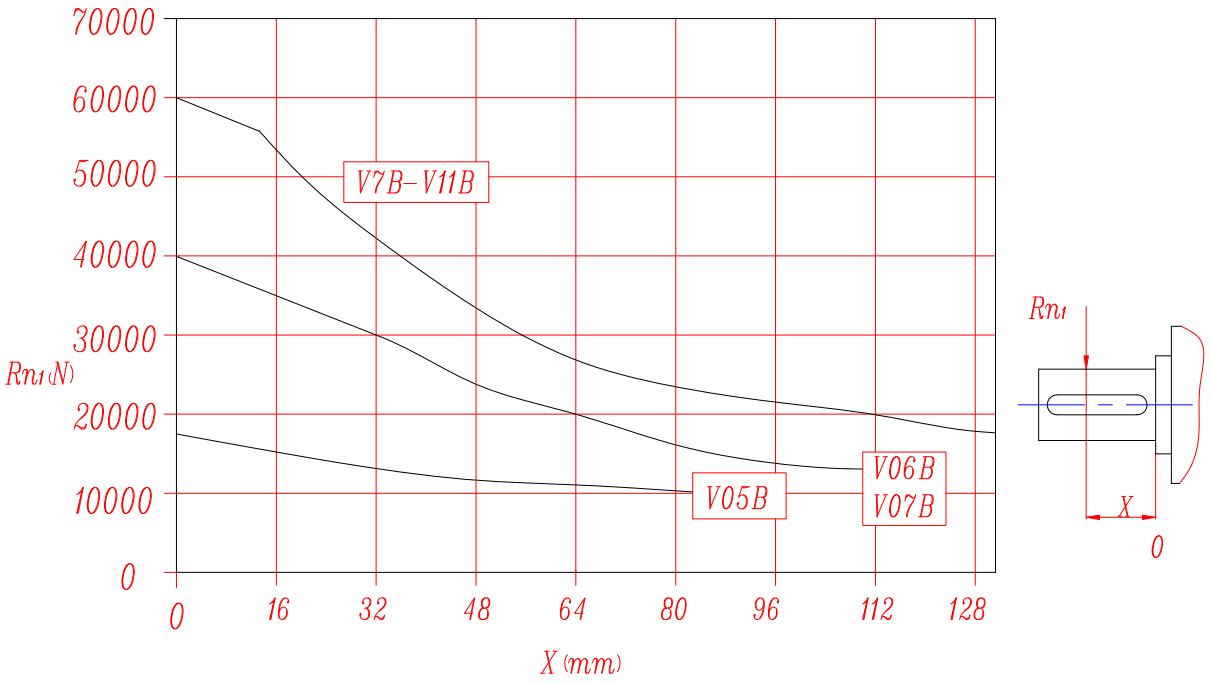


	Rn2	An2 (+/−)
FZ	200 000	200 000

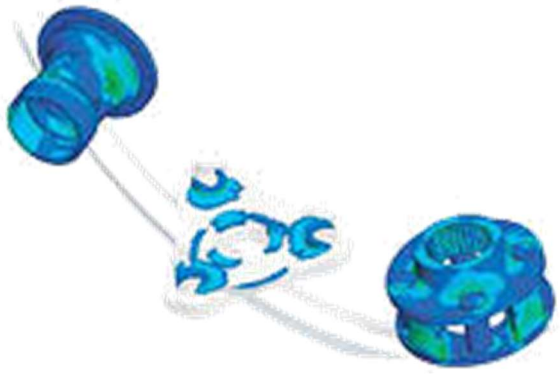
MSEP318 L - MSEP318 R

Load corrective factor fh2 on shafts	fh2= n2 • h		10 000	25 000	50 000	100 000	500 000	1 000 000
	fh2	FZ	1	0.74	0.58	0.46	0.27	0.21
		HZ-HC-PC-PZ	1	0.76	0.61	0.50	0.31	0.25

Permissible radial loads on input shaft with Fh1 (n1 • h=250 000)



Load corrective factor fh1 on shafts	Fh1= n1 • h	250 000	500 000	1 000 000	2 00 000	5 000 000	10 000 000
	fh1	1	0.79	0.63	0.50	0.37	0.29



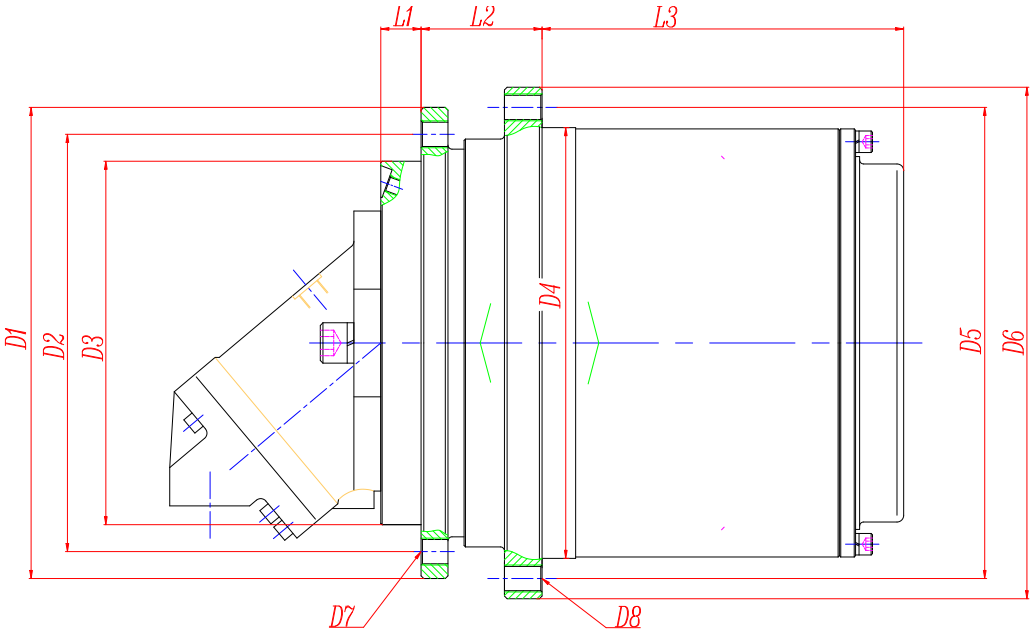
MSEP400T SERIES
TRACK DRIVES
MSEP400W SERIES
WINCH DRIVES

The MSEP400T series track drives and MSEP400W winch drives by **MORGENSEN LTD.** enjoy following features:

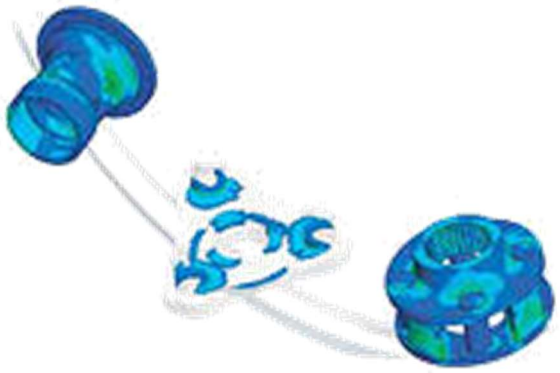
1. **Output torque Range:** 1000 ... 450000 N.m
2. **Gear Ratios:** i=5.3 ... 365
3. **Support:** rotating housing flange to fit tracks
4. **Applicable motors:** axial piston hydraulic motors, Hydraulic orbit motors
5. **Hydraulic motor options:** Pressure relief valve, Overcenter valve on request
5. **Brake:** hydraulic released parking brake on request

Type	Max. torque N.m	Range of ratios (i)	Max. Input speed (rpm)	Braking torque (N.m)
MSEP400T1,	1300	6.09	1000	130
MSEP401T1,	2000	6.2	1000	270
MSEP402T2	5000	12.4-37.1	3500	-----
MSEP403T2,	7000	15.4-40	3500	270
MSEP405T,	10000	20-80	3500	270
MSEP406AT,	17000	23-220	3500	430
MSEP406T,	18000	28-140	3500	430
MSEP406BT3,	24000	63-136	3500	430
MSEP407AT,	26000	38-136	3500	430-530
MSEP407T3,	36000	63-136	3500	530
MSEP410T3,	50000	62-177	3500	530
MSEP413T3,	60000	86-172	3500	610
MSEP414T3,	80000	76-186	3500	1200
MSEP415T3,	110000	81-215	3000	1200
MSEP416T3,	160000	87-255	3000	2000
MSEP417T3,	220000	123-365	3000	2000
MSEP418LT3	270000	166-364	3000	2000
MSEP419T3,	330000	161-306	2500	3000
MSEP420T4	450000	296-421	2500	1700

TRACK DRIVES/ WINCH DRIVE



Type	Dimensions											
	D1	D2	D3	D4	D5	D6	D7	D8		L1	L2	L3
								Track drive	Winch drive			
MSEP400	195	175	155	160	180	200	M10×1.5 n=8	M10×1.5 n=8	¢ 11 n=8	21	40	104
MSEP401	220	200	180	190	210	230	M10×1.5 n=8	M10×1.5 n=8	¢ 11 n=8	21	40	130
MSEP402T	190.5	165.1	133.3	200	241.3	279.4	5/8"-11 UNC n=8	1/2"-13 UNC n=9	---	10.2	105.9	145
MSEP403	260	230	190	200	240	280	M16×2 n=8	M20×1.5 n=8	¢ 21 n=8	34	72	160
MSEP405	260	230	190	220	260	290	M16×2 n=12	M16×2 n=16	¢ 17.5 n=16	18	72	166
MSEP406A	300	275	240	270	305	335	M16×2 n=18	M16×2 n=16	¢ 13 n=16	30	82	247
MSEP406	320	290	250	280	305	330	M20×2.5 n=16	M16×2 n=16	¢ 13 n=16	30	82	230
MSEP406B	320	290	250	280	305	330	M20×2.5 n=16	M16×2 n=20	¢ 17.5 n=20	30	82	250
MSEP407A	350	310	270	320	350	380	M20×2.5 n=16	M16×2.0 n=20	¢ 18 n=20	30	90	234
MSEP407	350	310	270	320	350	380	M20×2.5 n=16	M16×2.0 n=20	¢ 18 n=20	30	90	262
MSEP410	410	370	330	350	400	430	M20×2.5 n=18	M20×2.5 n=16	¢ 22 n=16	25	108.5	307
MSEP413	410	370	330	370	410	450	M20×1.5 n=20	M20×2.5 n=20	¢ 22 n=20	25	114	318
MSEP414	480	430	380	430	480	520	M24×3 n=20	M24×3 n=20	¢ 26 n=20	22	148	332
MSEP415	500	460	420	460	500	540	M24×3 n=24	M18×1.5 n=36	¢ 20 n=36	22	165	351
MSEP416	560	510	450	535	600	650	M24×2 n=30	M24×2.0 n=30	¢ 26 n=30	30	168	390
MSEP417	570	520	460	610	656	712	M30×3.5 n=24	M24×3.0 n=34	¢ 26 n=34	45	170	430
MSEP418LT	568	515	450	570	620	670	M36×3.0 n=29	M30×2.0 n=42	---	40	255	393
MSEP419	735	680	580	660	730	785	M30×3.5 n=30	M30×3.5 n=30	¢ 32 n=30	43	188	566
MSEP420T4	569	515	450	570	620	670	M36×1.5 n=29	M30×2.0 n=42	---	43	255	552



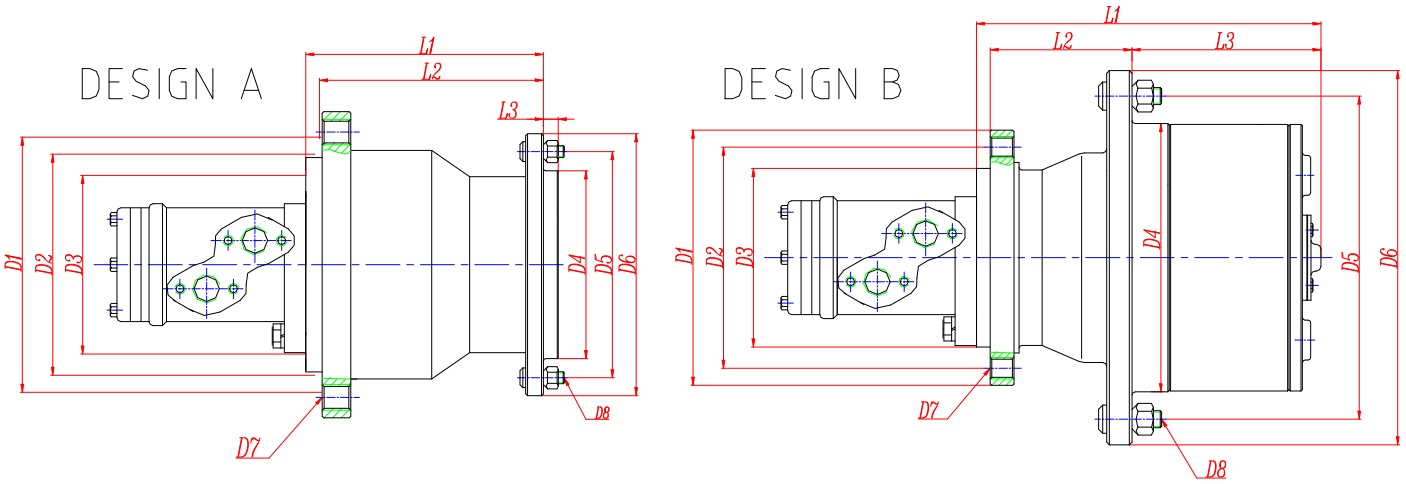
600 SERIES
WHEEL DRIVES

The 600 series wheel drives by MORGENSEN LTD. enjoy following features:

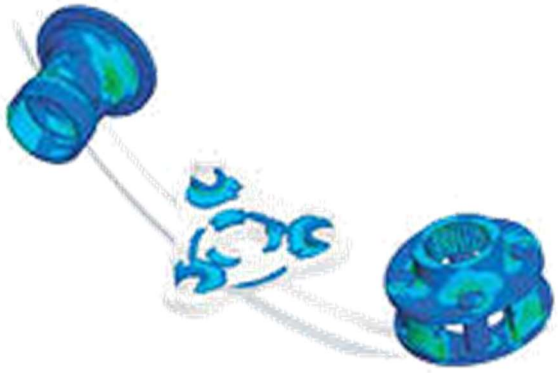
1. **Output torque Range:** 1750 ... 60000 N.m
2. **Gear Ratios:** i=5.8 ... 160
3. **Support:** rotating housing flange to fit wheels and drums
4. **Applicable motors:** axial piston hydraulic motors, Hydraulic orbit motors
5. **Hydraulic motor options:** Pressure relief valve, Overcenter valve on request
5. **Brake:** hydraulic released parking brake on request

Track drives Type	Max. torque N.m	Range of ratios (i)	Max. Input speed (rpm)	Braking torque (N.m)	Design
MSEP601 L1A	1750	5.77	1000	450-600	A
MSEP603 L2A	4000	19-23-32-40	3000	210	A
MSEP603 L2B	4000	19-23-32-40	3000	210	B
MSEP602 L2	5000	12.4-25.8	3000	-----	B
MSEP605 L2	7000	22-27-30-42-53	3000	220-310	B
MSEP606 L2,	12000	30-35-43-68-79	3000	300-800	B
MSEP607 L2,	17000	33-75-108	3000	300-600	B
MSEP609 L2,	23000	33-142	3000	300-600	B
MSEP610 L2,	30000	20-111	3000	300-800	B
MSEP611 L2,	36000	41-47	3000	300-800	B
MSEP613 L3	45000	108	3000	300-800	B
MSEP615 L3	60000	108	3000	300-1000	B

WHEEL DRIVES



Wheel drives	Dimensions											
	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3	Design
MSEP601 L1A	260	230	200	152.4	203.2	230	15 n=8	M14×1.5 n=8	245	195	10	A
MSEP603 L2A	270	230	190	160	205	280	M6×2 n=8	M18×1.5 n=6	230	175	25	A
MSEP603 L2B	270	230	190	200	245	280	M6×2 n=8	M18×1.5 n=6	230	72	128	B
MSEP602 L2	190.5	165.1	133.35	200	241.3	279.4	5/8”-11 UNC n=8	1/2”-13 UNC n=9	261	105.9	145	B
MSEP605 L2	270	230	190	220	275	310	M16×2 n=8	M20×1.5 n=6	285	72	176	B
MSEP606L2, L3	330	300	270	280	335	370	M16×2 n=18	M22×1.5 n=10	320	115	190	B
MSEP607L2, L3	380	285	240	320	380	410	M20×2.5 n=20	M18×1.5 n=20	408	82	298	B
MSEP609L2, L3	380	285	240	350	400	435	M20×2.5 n=20	M20×1.5 n=16	413	91	303	B
MSEP610L2, L3	375	340	300	350	400	435	M20×2.5 n=16	M22×1.5 n=16	425	91	303	B
MSEP611L2, L3	425	325	290	410	455	490	M20×2.5 n=24	M20×1.5 n=24	498	110	365	B
MSEP613 L3	425	325	280	410	455	490	M20×2.5 n=24	M20×1.5 n=24	510	110	380	B
MSEP615 L3	500	460	420	460	510	550	M20×2.5 n=24	M20×1.5 n=24	565	130	415	B



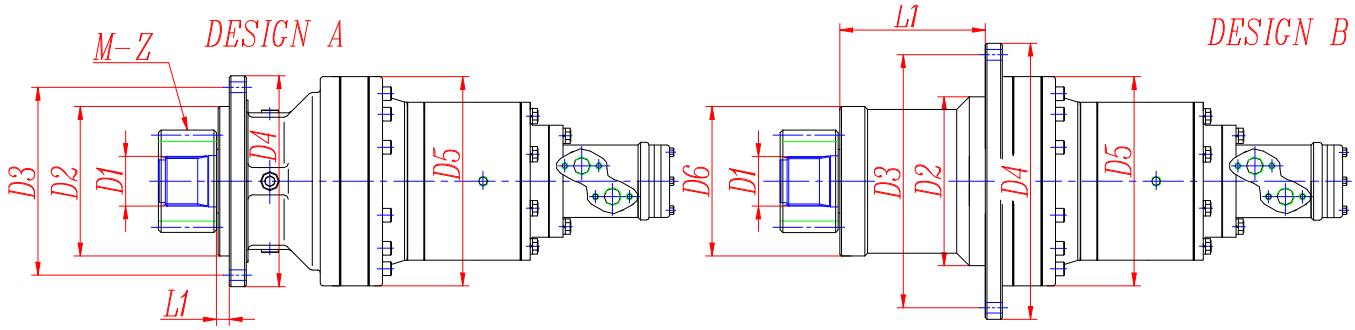
700 SERIES
SLEWING DRIVES

The 700 series slew drives by MORGENSEN LTD. enjoy following features:

1. **Output torque Range:** 1000 ... 100000 N.m
2. **Gear Ratios:** i=3,3 ... 3000
3. **Support:** slew support (with Flange mounted)
4. **Electric Brake:**DC and AC type
5. **Output shaft:** splined or with integral pinion. Output shafts supported by heavy duty capacity bearings
6. **Applicable motors:** ***axial piston hydraulic motors, Hydraulic orbit motors, IEC electric motors***
7. **Hydraulic motor options:** Pressure relief valve, Overcenter valve, parking brake on request

Type	Max. torque (N.m)		Range of ratios (i)	Max. Input speed (rpm)	Braking torque (N.m)	Design
	Excavator	Crane				
MSEP700L1A	1000	1200	3.38-7.2	2000	50-400	A
MSEP701L1A	1800	2400	3.38-7.2	2000	50-400	A
MSEP703L2A	2500	3500	12-44	3500	50-400	A
MSEP705L2A	5000	6500	12-44	3500	50-400	A
MSEP705L2B	5000	6500	12-44	3500	50-400	B
MSEP706S	7700	10000	20-106	3500	400-1000	B
MSEP707S	10500	16500	25-134	3500	400-1000	B
MSEP709S	16000	26000	20-144	3500	400-1000	B
MSEP710S	18000	29000	36-52	3500	400-1000	B
MSEP710BS	23000	35000	110-176	3500	400-1000	B
MSEP710DS	27800	48500	32-181	3500	400-1000	B
MSEP714S	45000	68300	63-187	3000	600-2000	B
MSEP715S	65000	93300	63-212	3000	600-2000	B

SLEWING DRIVES



Type	尺寸 Dimensions										Design
	D1 D2 D3		D2	D3	D4	D5	D6	L1	M	Z	
MSEP700L1A	40×36 DIN 5482	19Z×2m×30P GB3478.1	150	195	220	185	--	31	Module and number of teeth of pinion please ask		A
MSEP701L1A	40×36 DIN 5482	19Z×2m×30P GB3478.1	150	195	220	185	--	31			A
MSEP703L2A	58×53 DIN 5482	28Z×2m×30P GB3478.1	175	245	272	245	--	41			A
MSEP705L2A	58×53 DIN 5482	28Z×2m×30P GB3478.1	175	245	272	245	--	41			A
MSEP705L2B	58×53 DIN 5482	28Z×2m×30P GB3478.1	195	245	290	245	180	171			B
MSEP706S	100×94 DIN 5482	32Z×3m×30P GB3478.1	255	290	320	260	230	200			B
MSEP707S	120×3 DIN 5480	39Z×3m×30P GB3478.1	280	350	380	318	250	245			B
MSEP709S	120×3 DIN 5480	39Z×3m×30P GB3478.1	280	350	380	318	250	245			B
MSEP710S	120×3 DIN 5480	39Z×3m×30P GB3478.1	280	375	410	345	250	245			B
MSEP710BS	140×4 DIN 5480	34Z×4m×30P GB3478.1	330	375	410	345	300	290			B
MSEP710DS	150×5 DIN 5480	29Z×5m×30P GB3478.1	400	490	542	427	325	450			B
MSEP714S	150×5 DIN 5480	29Z×5m×30P GB3478.1	440	480	530	436	370	314			B
MSEP715S	170×5 DIN 5480	33Z×5m×30P GB3478.1	475	520	570	460	390	339			B

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DRIVE WITH YOU