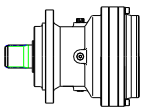
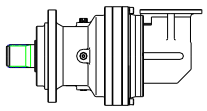


NB313L M2'=50000N.m

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
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)

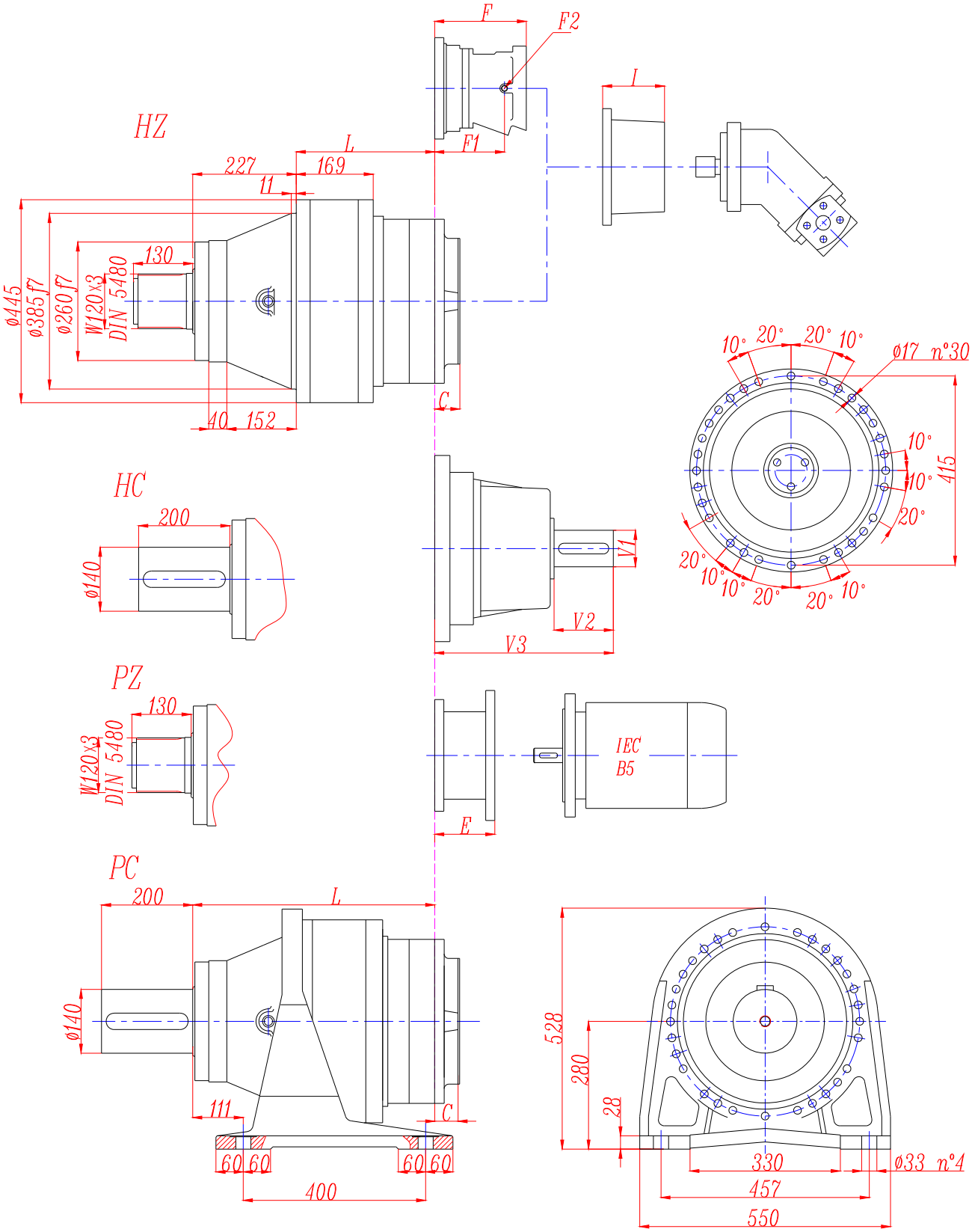


NB313R M2'=50000N.m

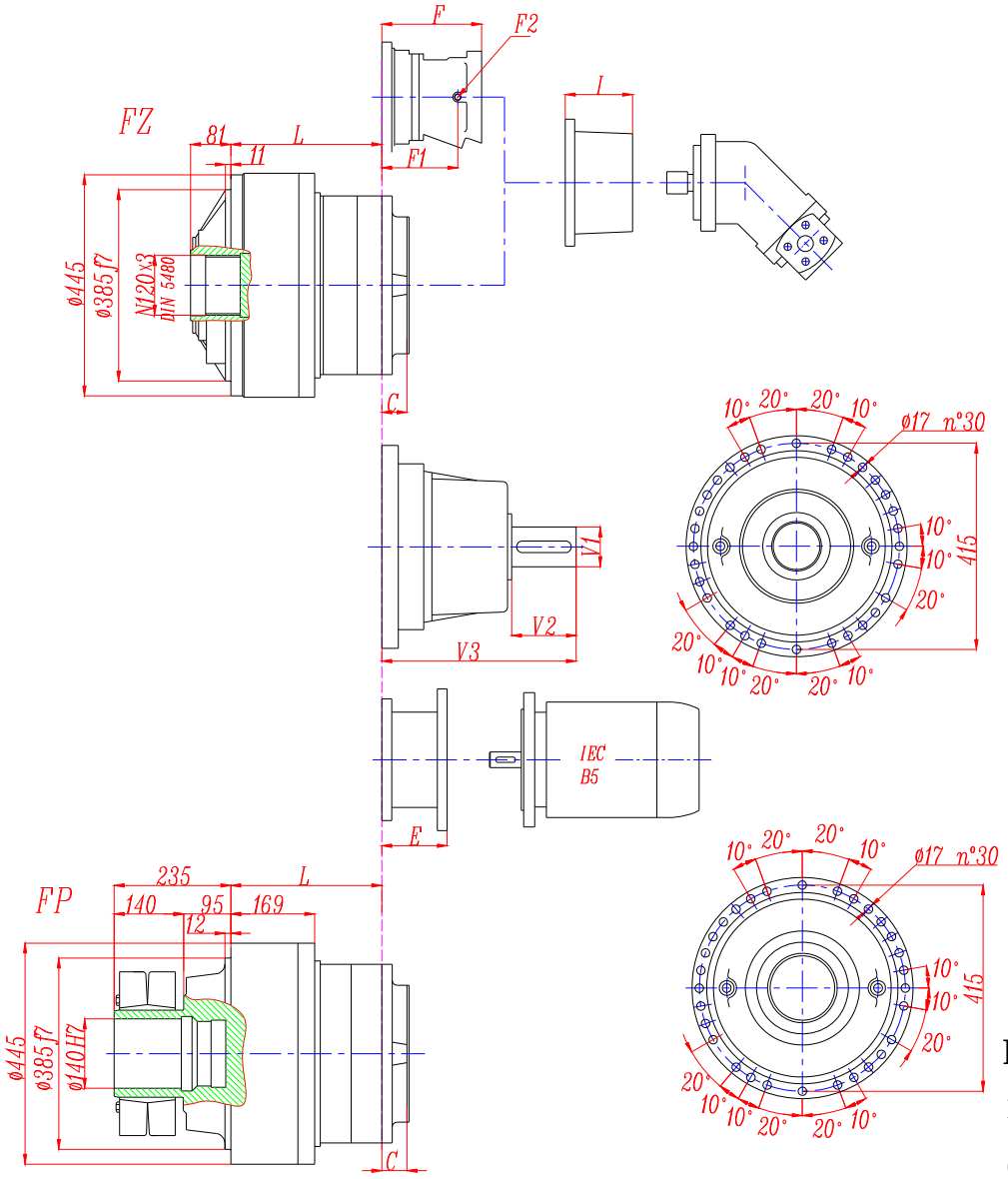
	I	Mn_2 (N.m)						P_1	P_t(KW) (ta=20℃)	n_1	n_{1max}	M_b	Brake type
	1:	n_2.h 10000	n_2.h 25000	n_2.h 50000	n_2.h 100000	n_2.h 500000	n_2.h 1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器
R2	12.3	28000	27000	25000	24000	16000	12500	150	75	1500	2 500	3200	6L
	14.8	35000	33000	31000	30000	18000	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)

NB313 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
10°
10°
20°
415
20°
10°
10°
20°
20°
10°
HC
200
ø140
V1
V2
V3
PZ
130
W120x3
DIN 5480
E
IEC
B5
PC
200
L
ø140
111
C
60
60
60
60
400
528
280
28
330
457
550
ø33 n°4

NB313 L



FP version

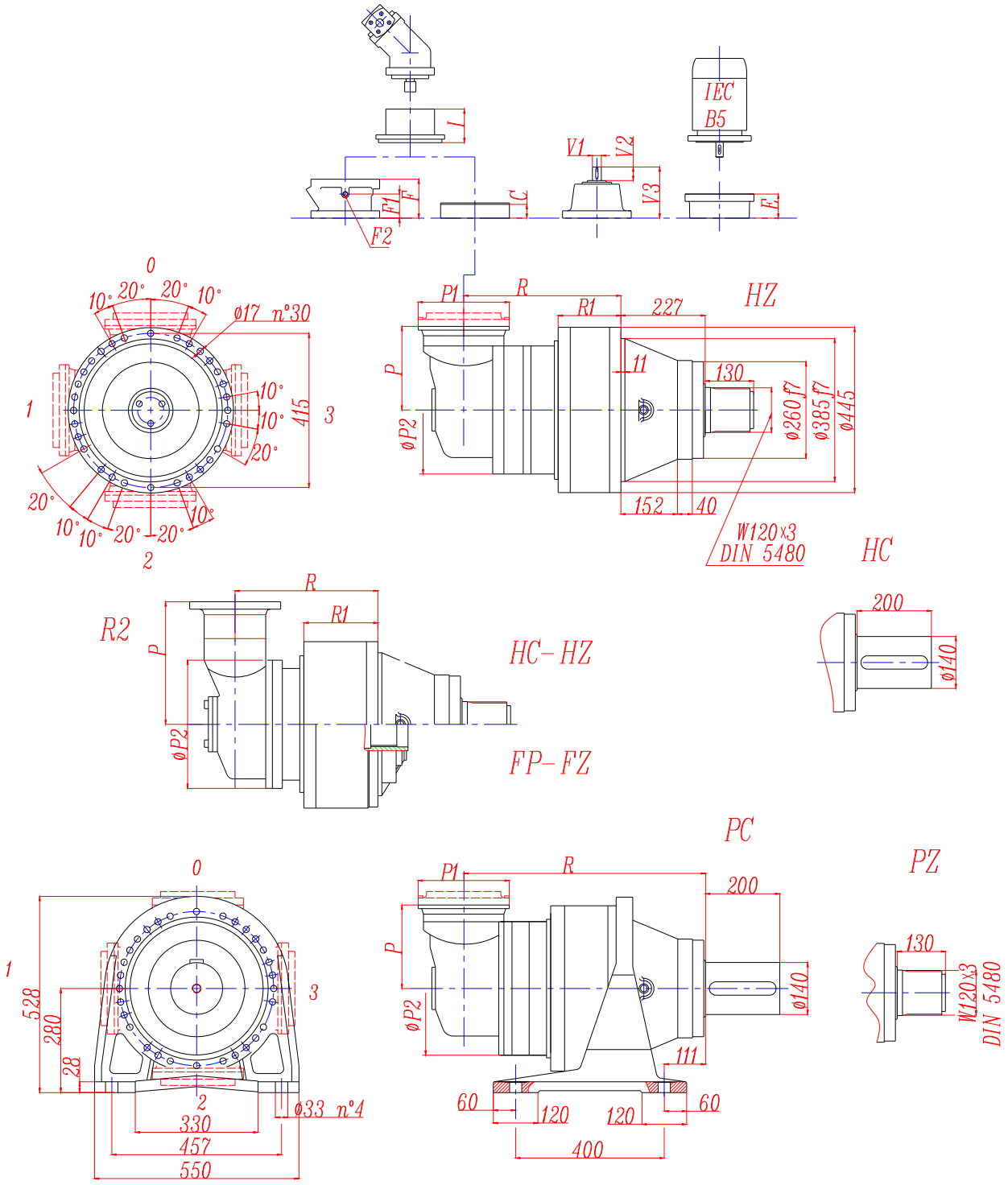
Max. transmissible

66000 N.m

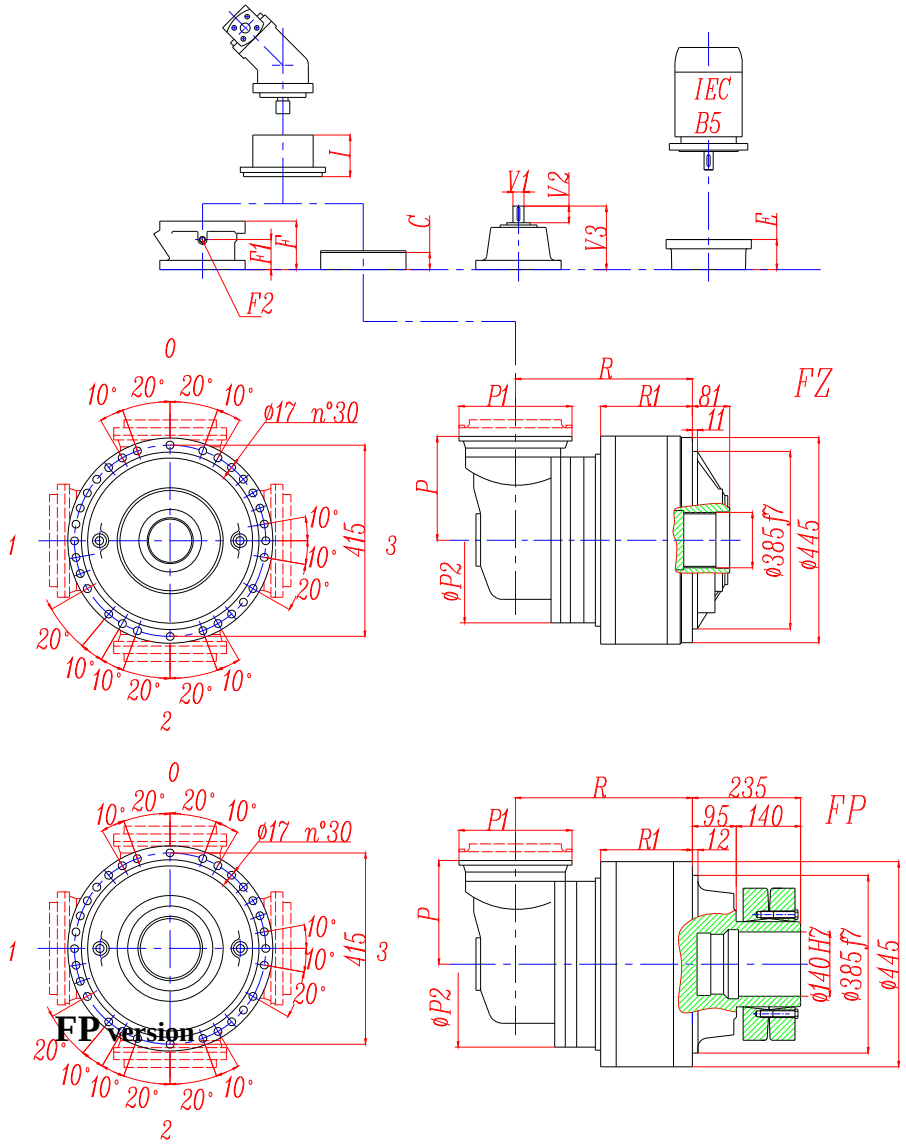
	L				Ref. weight (without input) (Kg)				C	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP			F	F1	F2	Type	Ref. Weight
313 L1	140	367	140	140	230	320	200	200	98	According to hydraulic motor					
313 L2	311	538	311	311	290	380	260	280	51		196	115	1/4 G	6	75 Kg
313 L3	404	631	404	404	302	392	272	292	37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

NB313 R


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

NB313 R



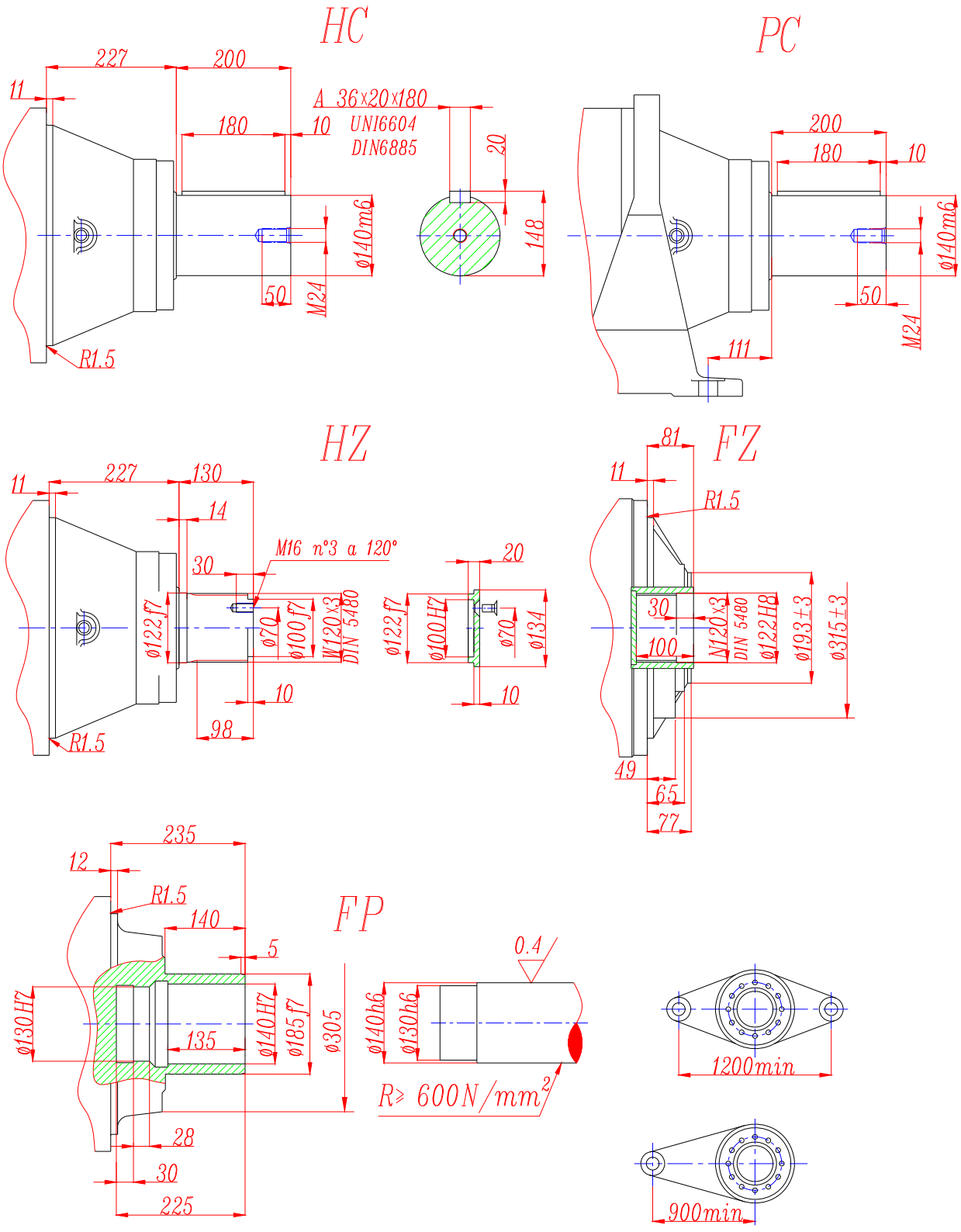
FP version

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			

NB313 L - NB313 R

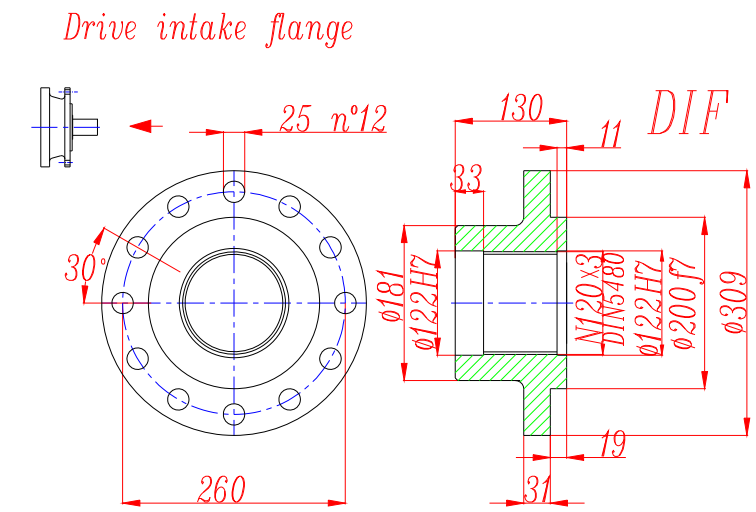


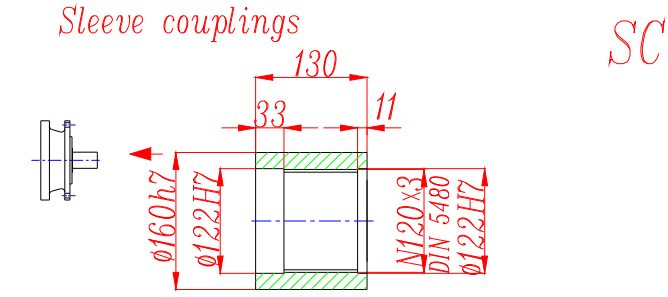
FP version

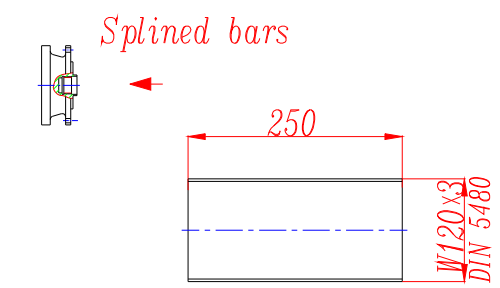
Max. transmissible

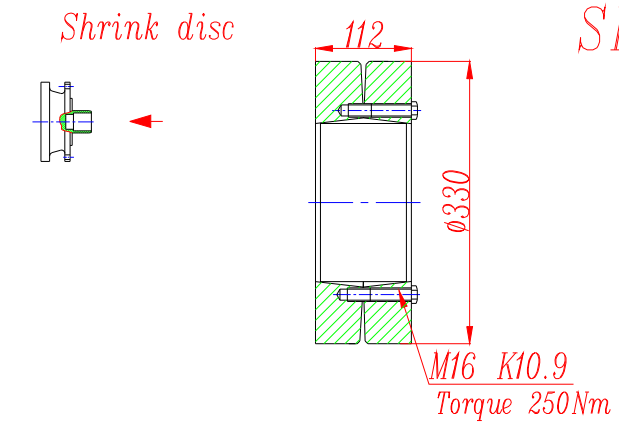
66000 N.m

NB313 L - NB313 R

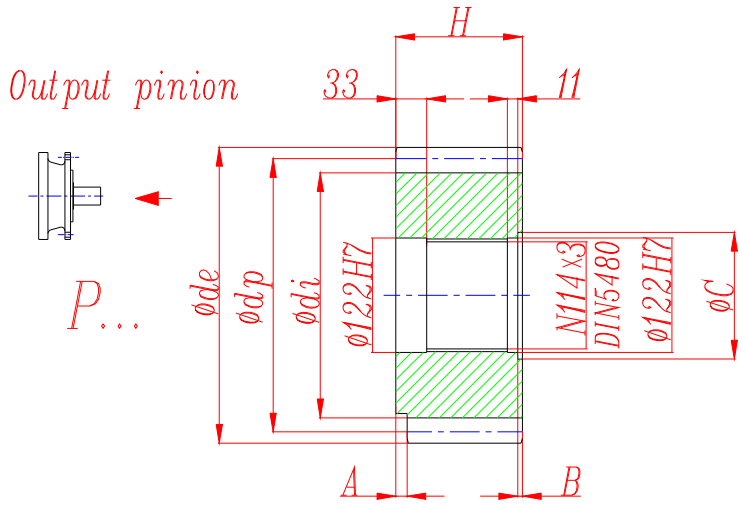




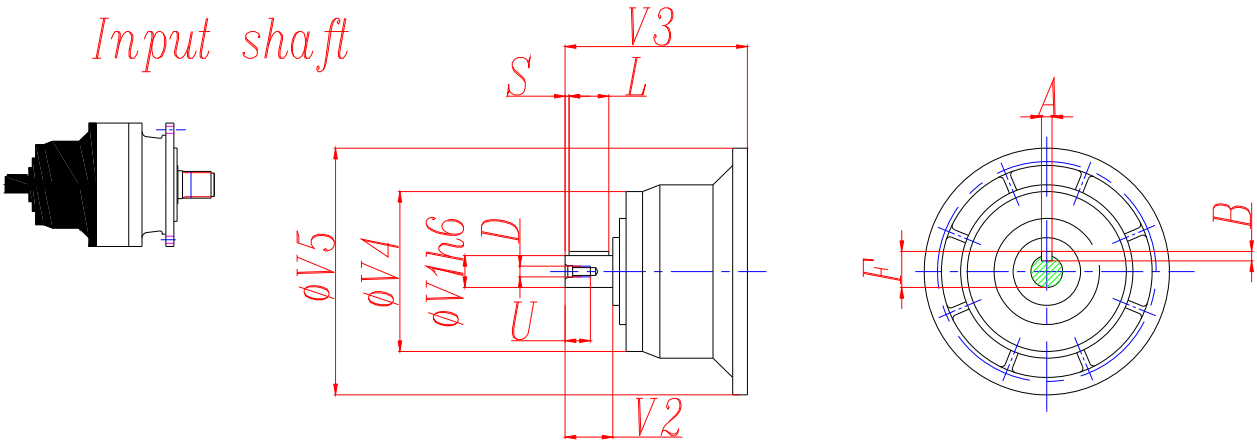




NB313 L - NB313 R



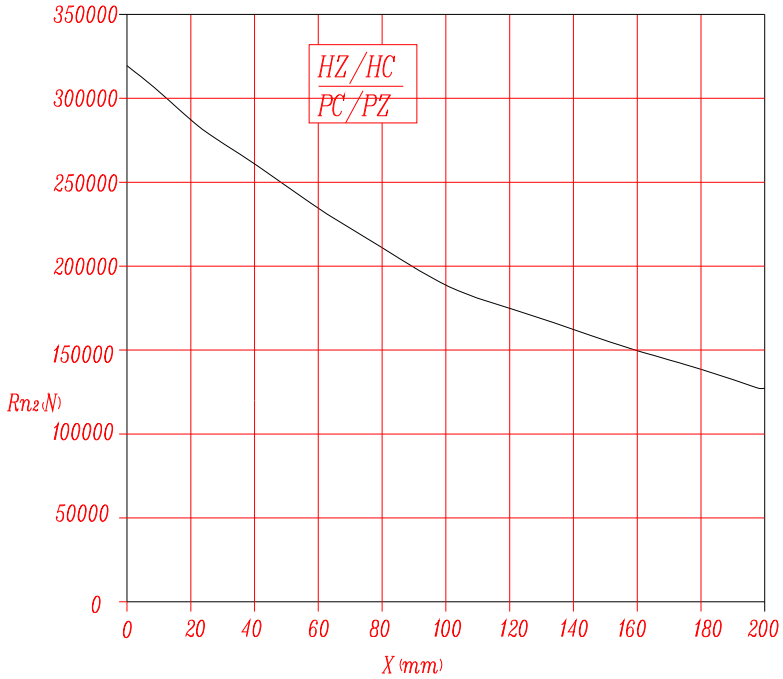
	m	z	x	dp	di	de	H	A	B	C
PRH	16	17	0.500	272	247	315	135	0	5	136
PRI	18	18	0.333	324	294	365	140	0	10	140

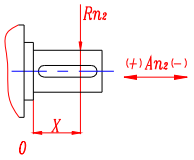


	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
313 L1	V11B	80	130	348	200	428	22	14	85	110	10	M16	36
313 L2	V07B	80	130	315	200	345	22	14	85	110	105	M16	36
	V07A	60	105	313	155	345	18	11	64	90	7.5	M16	36
313 L3	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
313 L4	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58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

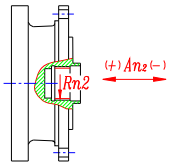
NB313 L - NB313 R

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





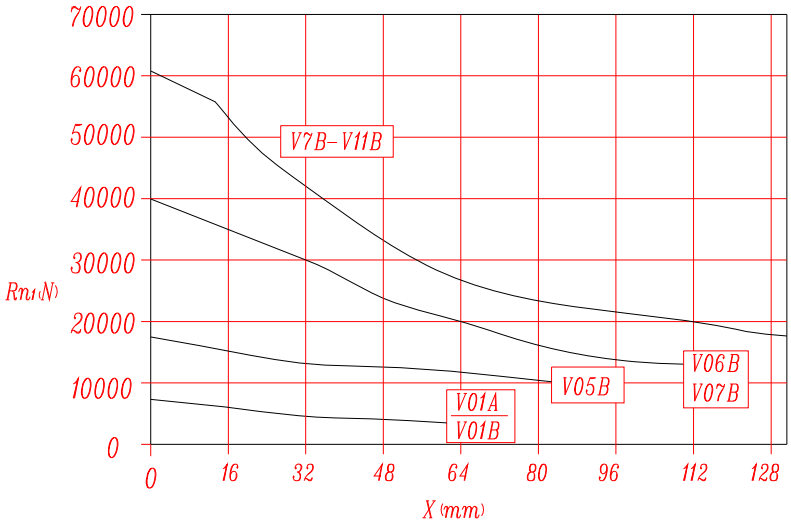
	An2 (+)	An2 (−)
HZ-HC-PC-PZ	250 000	160 000

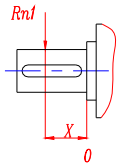


	Rn2	An2 (+/−)
FZ	80 000	75 000

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