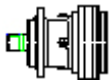
NB313 GEARBOX

(PARAMETER AND DIMENSION)

M2'=50000 N.M

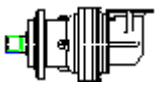
NB313L M2'=50000N.m



	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)	制动器械
L1	4.0	55000	55000	55000	46000	28400	23000	200	45	500	800		
	5.7	55000	48000	45000	45000	27800	22600	200	45	500	800		
	6.5	49000	42400	39000	39000	27800	22500	200	45	500	800		
L2	13.7	55000	55000	55000	46000	28400	23000	130	30	1500	2500	3200	6L
	17.6	55000	55000	55000	46000	28400	23000	130	30	1500	2500	3200	6L
	22.6	55000	48000	45000	45000	27800	22600	130	30	1500	2500	3200	6L
	26.9	55000	48000	45000	45000	27800	22600	130	30	1500	2500	3200	6L
	31.9	55000	48000	45000	45000	27800	22600	120	30	1500	2500	2600	6K
	37.9	49000	42400	39000	39000	27800	22500	110	30	1500	2500	2100	6G
	50.3	55000	55000	55000	46000	28400	23000	80	18	1750	3 500	1000	5K
	64.5	55000	55000	55000	46000	28400	23000	65	18	1750	3 500	1000	5K
L3	73.9	55000	55000	55000	46000	28400	23000	60	18	1750	3 500	1000	5K
	82.7	55000	48000	45000	45000	27800	22600	58	18	1750	3 500	1000	5K
	94.7	55000	48000	45000	45000	27800	22600	55	18	1750	3 500	800	5G
	113	55000	48000	45000	45000	27800	22600	55	18	1750	3 500	800	5G
	135	55000	48000	45000	45000	27800	22600	50	18	1750	3 500	800	5G
	150	55000	48000	45000	45000	27800	22600	45	18	1750	3 500	500	5C
	183	55000	48000	45000	45000	27800	22600	40	18	1750	3 500	400	5B
	218	55000	48000	45000	45000	27800	22600	36	18	1750	3 500	400	5B
	258	49000	42400	39000	39000	27800	22500	31	18	1750	3 500	400	5B
	250	55000	55000	55000	46000	28400	23000	30	11	1750	3 500	330	4H
	280	55000	48000	45000	45000	27800	22600	30	11	1750	3 500	330	4H
L4	329	55000	55000	55000	46000	28400	23000	28	11	1750	3 500	260	4F
	426	55000	55000	55000	46000	28400	23000	22	11	1750	3 500	260	4F

	546	55000	48000	45000	45000	27800	22600	15	11	1750	3 500	160	4D
	650	55000	48000	45000	45000	27800	22600	12.5	11	1750	3 500	160	4D
	776	55000	48000	45000	45000	27800	22600	10	11	1750	3 500	100	4B
	865	55000	48000	45000	45000	27800	22600	9	11	1750	3 500	100	4B
	1079	55000	48000	45000	45000	27800	22600	8	11	1750	3 500	100	4B
	1321	55000	48000	45000	45000	27800	22600	6.7	11	1750	3 500	100	4B
	1568	55000	48000	45000	45000	27800	22600	5.7	11	1750	3 500	50	4A
	1859	49000	42400	39000	39000	27800	22500	4.5	11	1750	3 500	50	4A
			M_{2max}=1.2×Mn2(n2×h=10 000)										

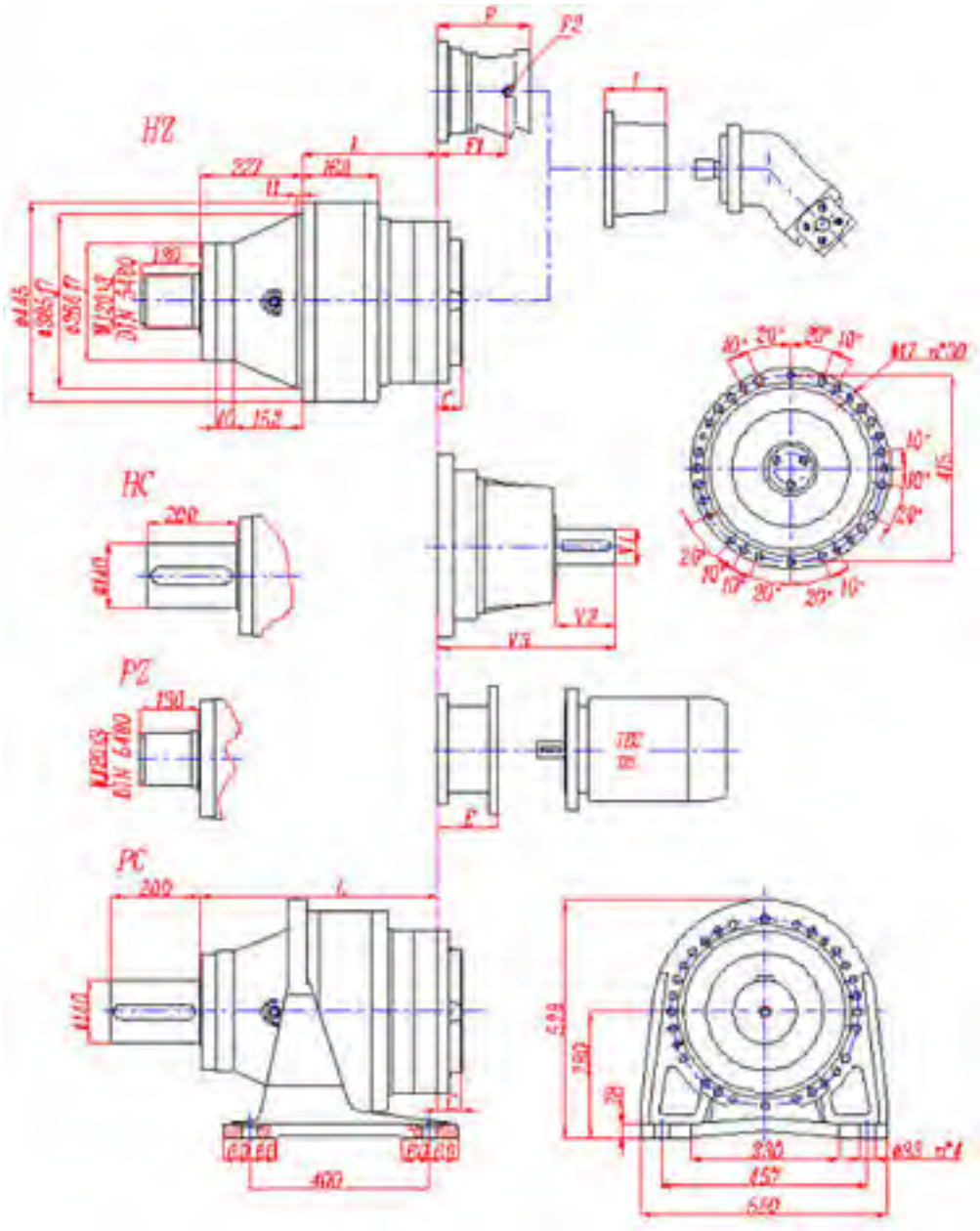
NB313L M2'=50000N.m



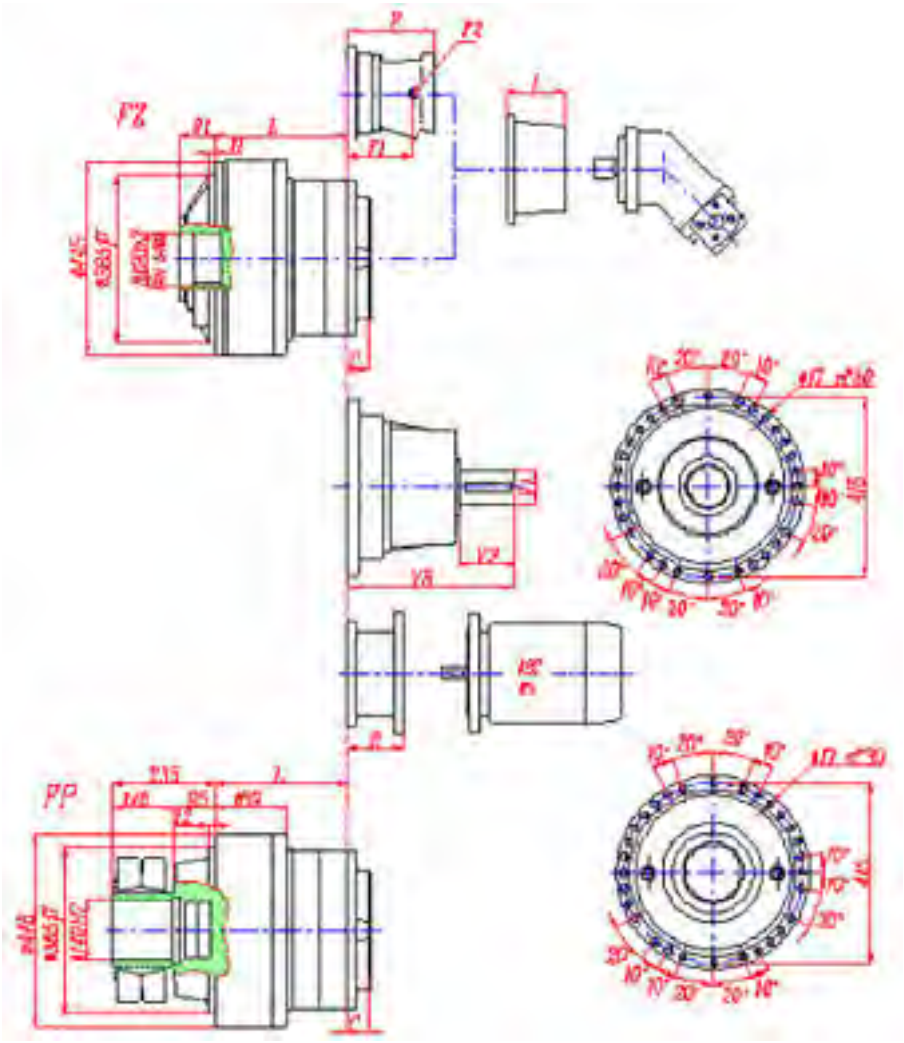
	I			**Mn_2** (N.m)				**P_1**	**P_t(KW)**	**n_1**	**n_{1max}**	**M_b**	**Brake**
		n_2.h	n_2.h	n_2.h	n_2.h	n_2.h	n_2.h		(ta=20℃)				type
	1:	10000	25000	50000	100000	50000	1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器械
R2	11.7	28000	27000	25000	24000	16000	12500	150	75	1500	2 500	3200	6L
	16.7	35000	33000	31000	30000	18000	15000	150	75	1500	2 500	3200	6L
	19.0	44000	40000	37000	36000	22000	17000	150	75	1500	2 500	3200	6L
R3	51.9	34000	29500	27000	27000	18600	15100	70	40	1750	3 500	800	5G
	66.6	45000	45000	37400	32000	19700	16000	60	40	1750	3 500	800	5G
	85.	55000	4800	45000	4500	2780	22600	60	40	1750	3 500	800	5G

	4		0		0	0							
	102	55000	48000	45000	45000	27800	22600	50	40	1750	3 500	630	5E
	121	55000	48000	45000	45000	27800	22600	45	40	1750	3 500	630	5E
	143	49000	42400	39000	39000	27800	22500	40	40	1750	3 500	500	5C
R 44	129	49000	42400	39000	39000	27800	22500	35	22	1750	3 500	400	4K
	165	55000	55000	55000	46000	28400	23000	35	22	1750	3 500	400	4K
	189	55000	55000	55000	46000	28400	23000	35	22	1750	3 500	330	4H
	212	55000	48000	45000	45000	27800	22600	35	22	1750	3 500	330	4H
	243	55000	48000	45000	45000	27800	22600	31	22	1750	3 500	330	4H
	289	55000	48000	45000	45000	27800	22600	27	22	1750	3 500	260	4F
	345	55000	48000	45000	45000	27800	22600	23	22	1750	3 500	260	4F
	384	55000	48000	45000	45000	27800	22600	21	22	1750	3 500	160	4D
	470	55000	48000	45000	45000	27800	22600	17.5	22	1750	3 500	160	4D
	558	55000	48000	45000	45000	27800	22600	15	22	1750	3 500	160	4D
	662	49000	42400	39000	39000	27800	22500	11	22	1750	3 500	100	4B
M_{2max}=1.2×Mn2(n2×h=10 000)													

NB 313 L



NB 313 L



FPversion Max. transmissible

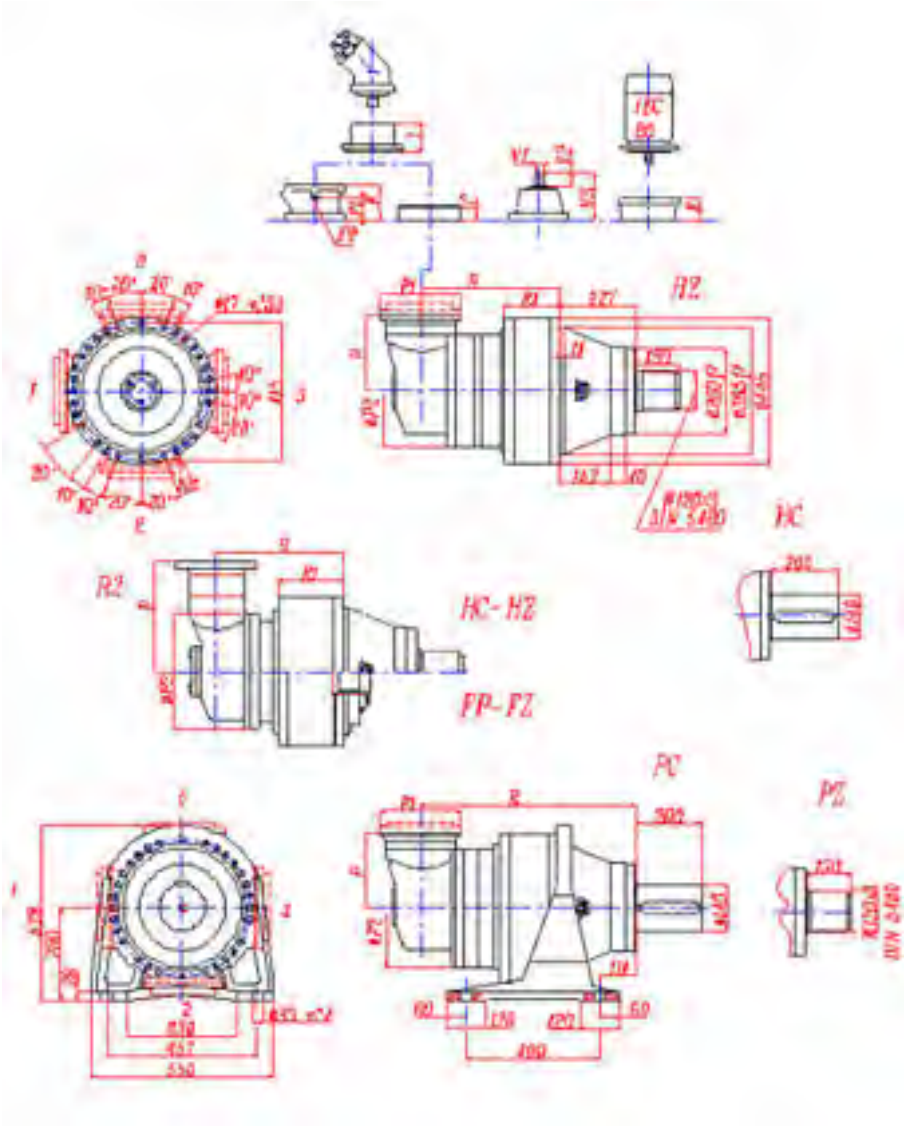
66000 N.m

	L	Ref. weight (without input) (Kg)	C	I	Brake

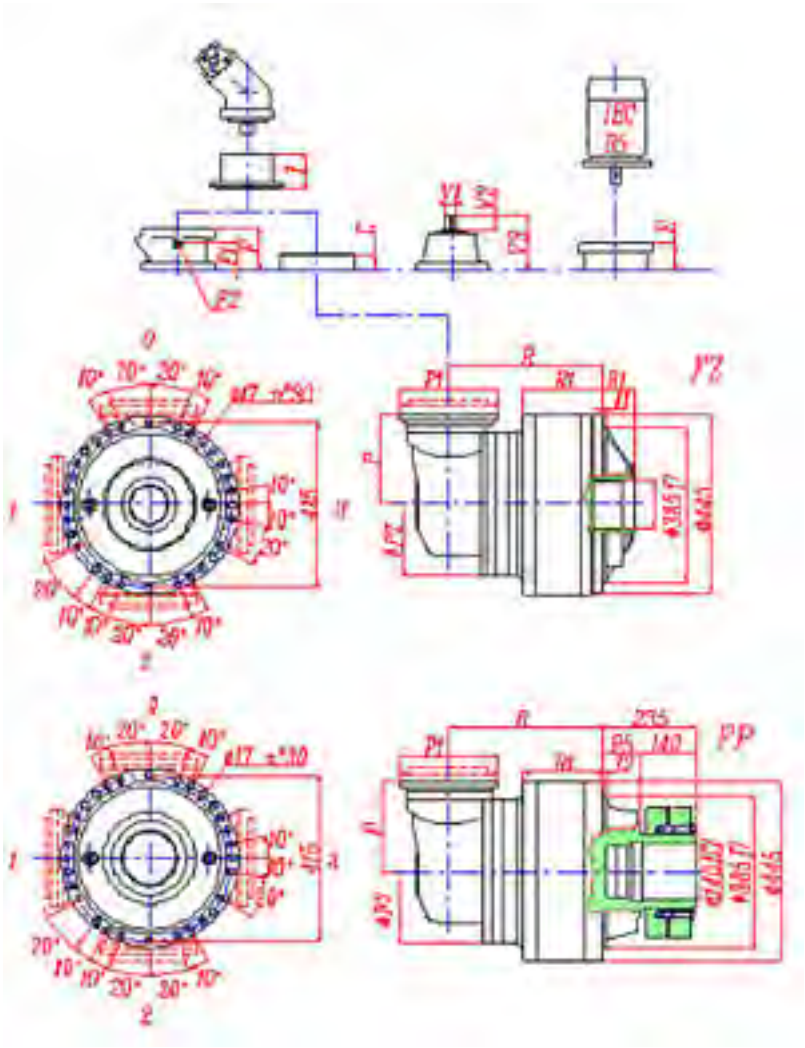
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP			F	F1	F2	Type	Ref. Weight
313 L1	**154**	**381**	**154**	**154**	**230**	**320**	**200**	**200**	**76**	**According to hydraulic motor**					
313 L2	**304**	**531**	**304**	**304**	**290**	**380**	**260**	**280**	**51**		**201**	**153**	**1/4 G**	**6**	38 Kg
313 L3	**397**	**624**	**397**	**397**	**302**	**392**	**272**	**292**	**37**		**145**	**95**	**1/4 G**	**5**	22 Kg
313 L4	**462**	**689**	**462**	**462**	**309**	**400**	**279**	**300**	**37**		**105**	**65**	**1/4 G**	**4**	**15 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								**195**	**186**	**216**	**215**			
313 L3						**114**	**144**	**144**	**174**					
313 L4	**65**	**84**	**84**	**94**	**94**	**114**	**144**							

NB313 R



NB313 R



FP version

Max. transmissible

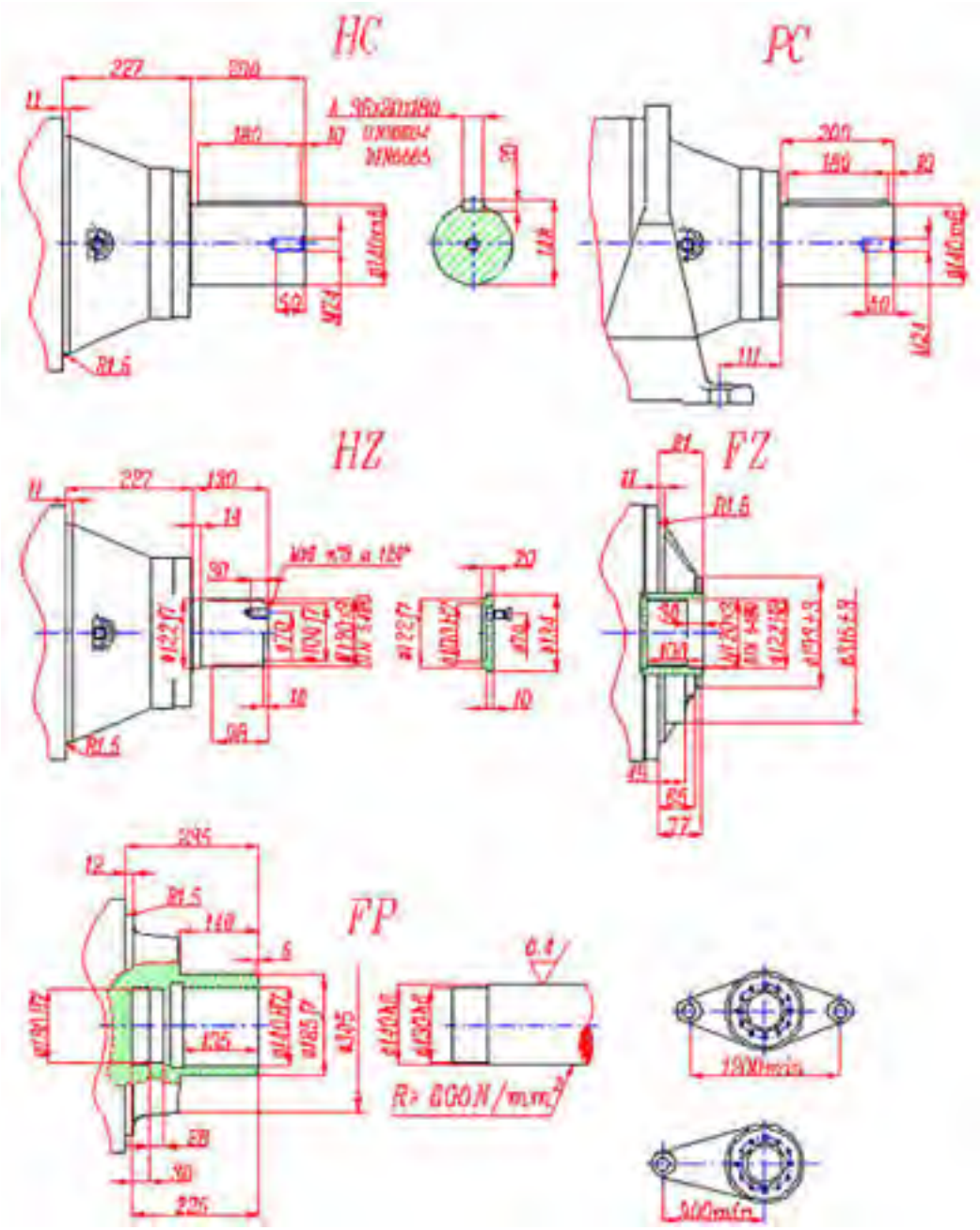
66000 N.m

	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 15 Kg
313	384	611	384	384	370	460	340	360	45	395	According to	195	147	1/4	6	38
R2														G		

									37 37	122	hydraulic motor					
313 R3	423	650	423	423	340	430	310	330	37	225		145	95	1/4 G	4	22
313 R4	485	712	485	485	322	412	292	312	37	140		105	65	1/4 G	4	15

	P1	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	154	154	154	154								152	182	212	193
313 R3	245	130	130	110	110						114	144	144	174	174	
313 R4	186	130	130	110	110	65	84	84	94	94	114	144				

NB313 L - NB313 R

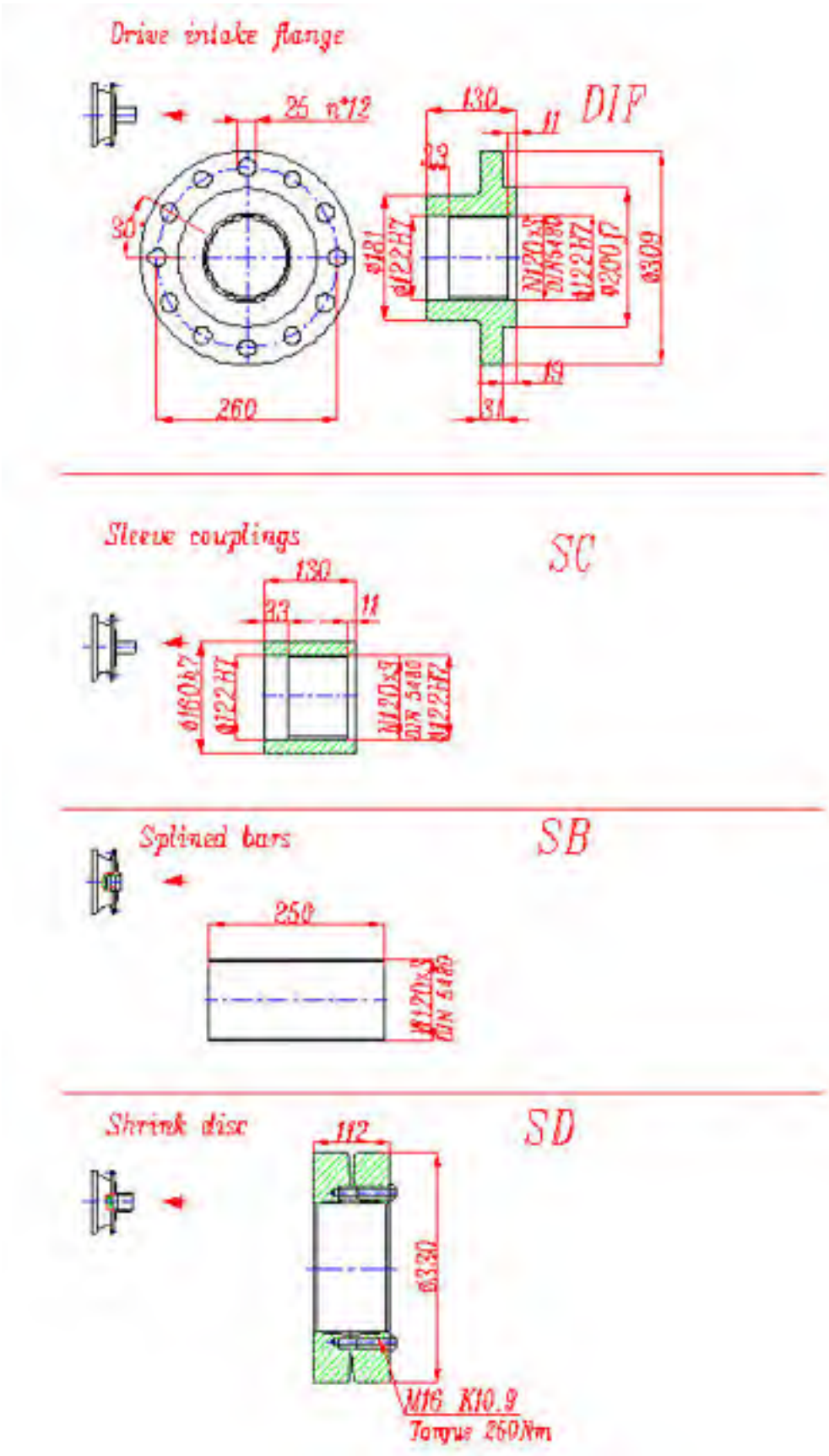


FP version

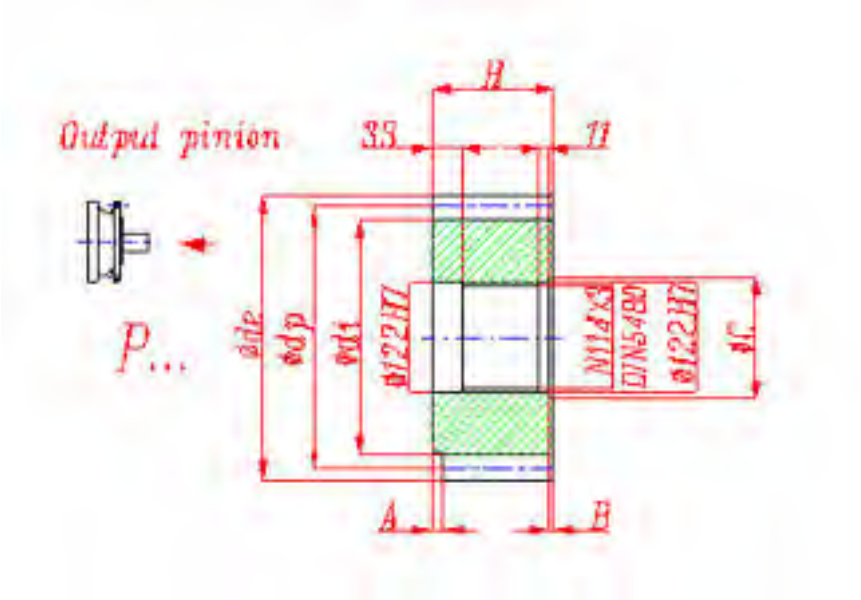
Max. transmissible

66000 N.m

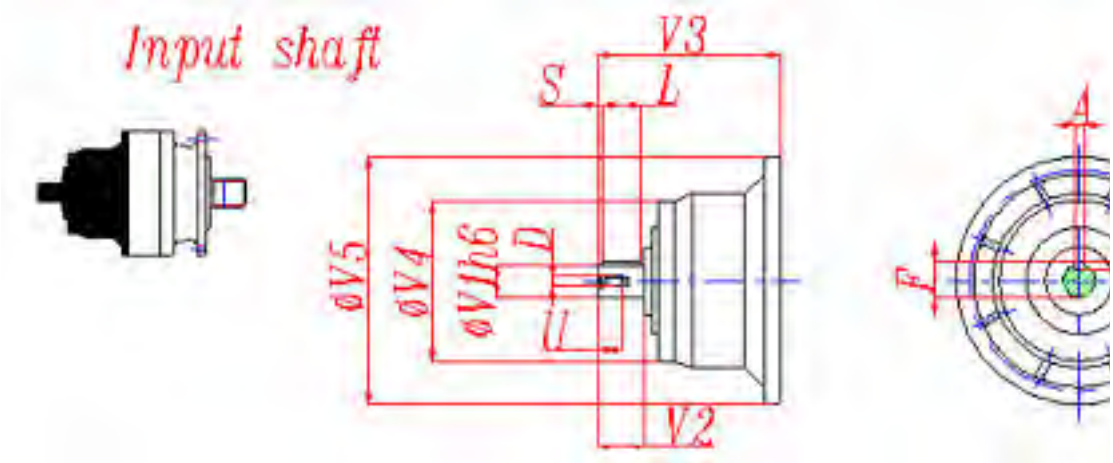
NB313 L - NB313 R



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

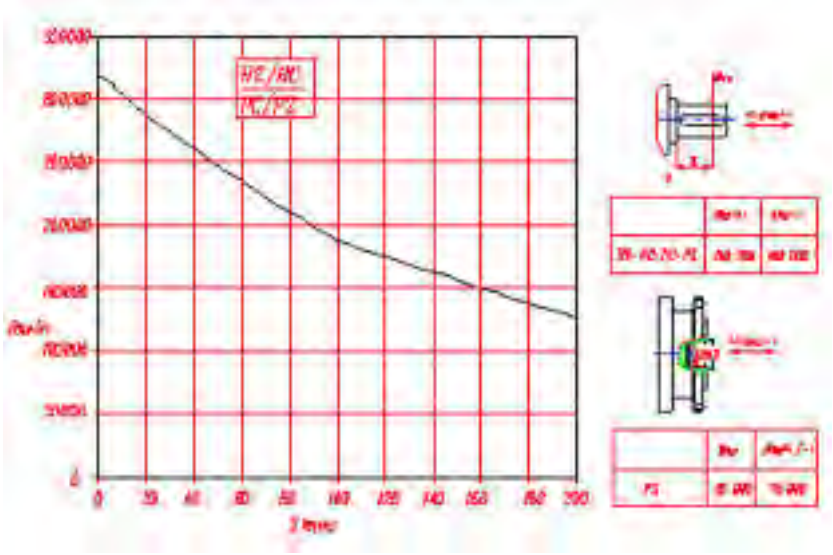


	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
313 L1	V11B	80	130	348	200	428	22	14	85	110	10	M16	36
313 L2	V07B	80	130	315	200	345	22	14	85	110	105	M16	36
	V07A	60	105	313	155	345	18	11	64	90	7.5	M16	36

313 L3	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
313 L4	V01A	24	36	137.5	120	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	137.5	120	186	8	7	27	30	3	M8	19
	V01B	38	58	158	120	186	10	8	41	50	4	M12	28

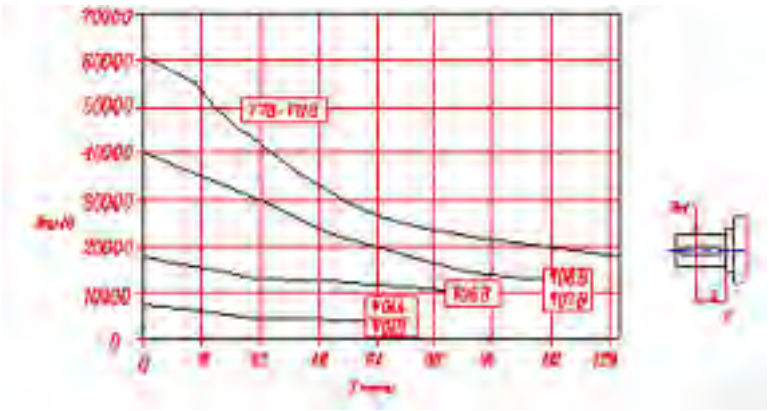
NB313 L - NB313 R

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



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-PC-PZ-FZ	1	0.74	0.58	0.46	0.27	0.21
		HZ-HC	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