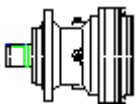
NB305 GEARBOX

(PARAMETER AND DIMENSION)

M2'=5000 N.M



NB305L M2'=5000N.m

	I			Mn_2	(N.m)			P_1	P_t(KW)	n_1	n_1	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	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

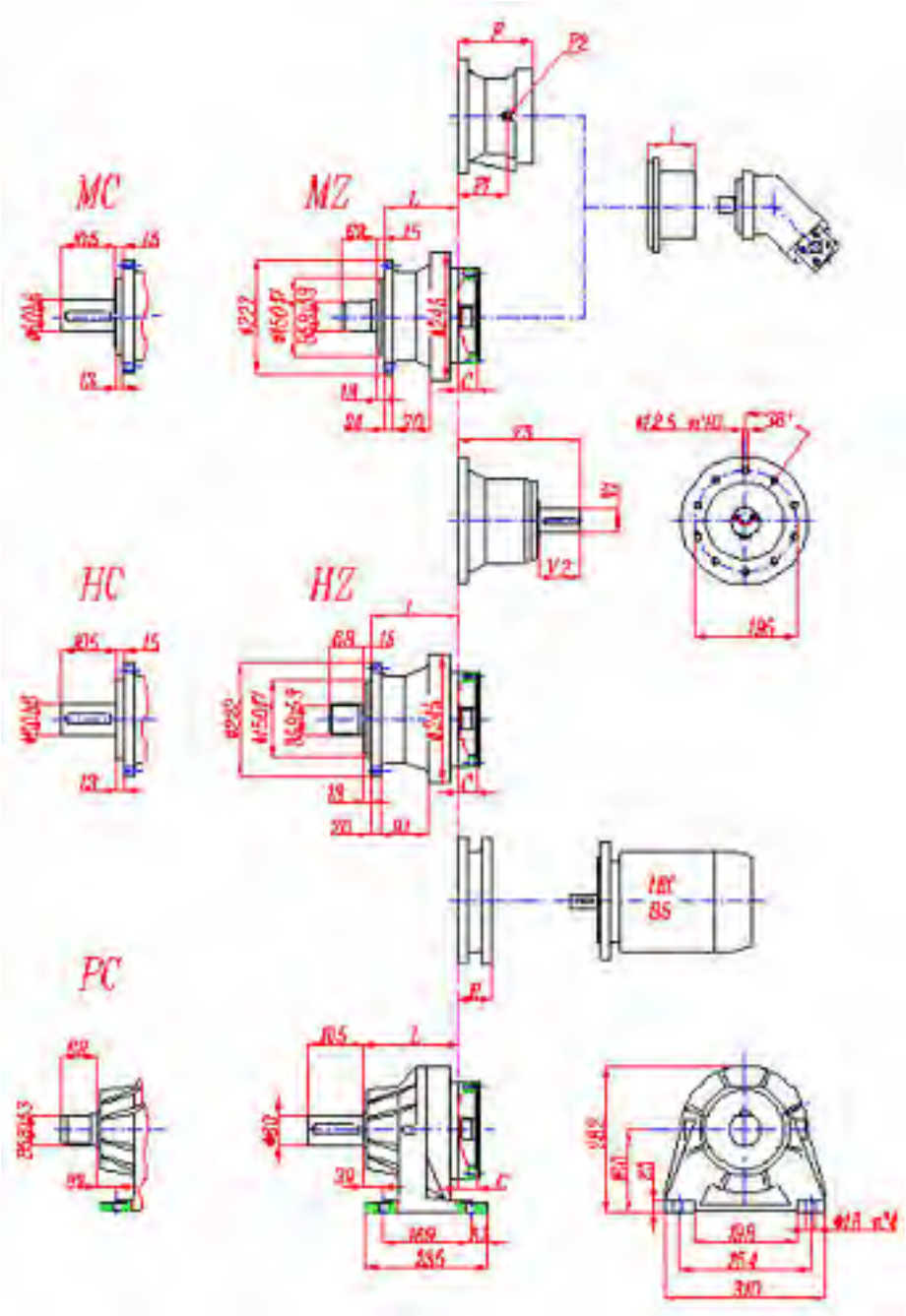
	354	3 800	3 300	3 100	3 100	3 000	2 400	1.5	7.5	1 750	3 500	50	4A
L4	318	5 800	5 500	5 300	5 200	3 700	3 000	2.9	6	1 750	3 500	50	4A
	365	5 800	5 500	5 300	5 200	3 700	3 000	2.6	6	1 750	3 500	50	4A
	413	5 800	5 500	5 300	5 200	3 700	3 000	2.3	6	1 750	3 500	50	4A
	473	5 800	5 500	5 300	5 200	3 700	3 000	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)										

NB305R M2'=5000N.m

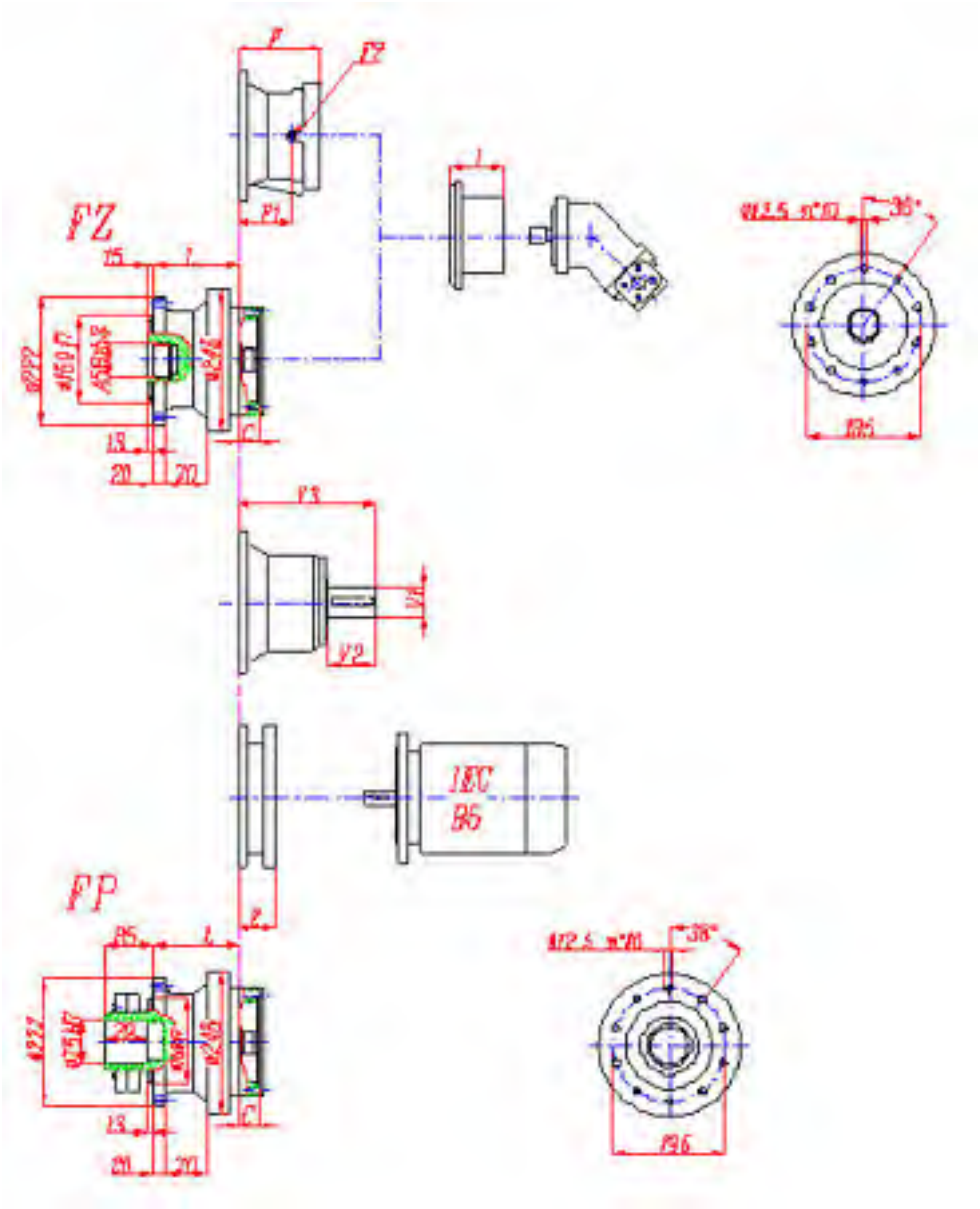
	I			**Mn_2**	(N.m)			**P_1**	**P_t(KW)**	**n_1**	**n_{1max}**	**M_b**	**Brake**
		n_2.h	n_2.h	n_2.h	n_2.h	n_2.h	n_2.h		(ta=20℃)				type
	1:	10000	25000	50000	100000	500000	1000000	(KW)	(n_1=1500)	(min^{-1})	(min^{-1})	(N.m)	制动器械
R2	9.4	4 600	4 000	3 500	3 200	2 000	1 600	35	18	1 750	3 500	440	4L
	10.8	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)													

NB305L



NB 305L

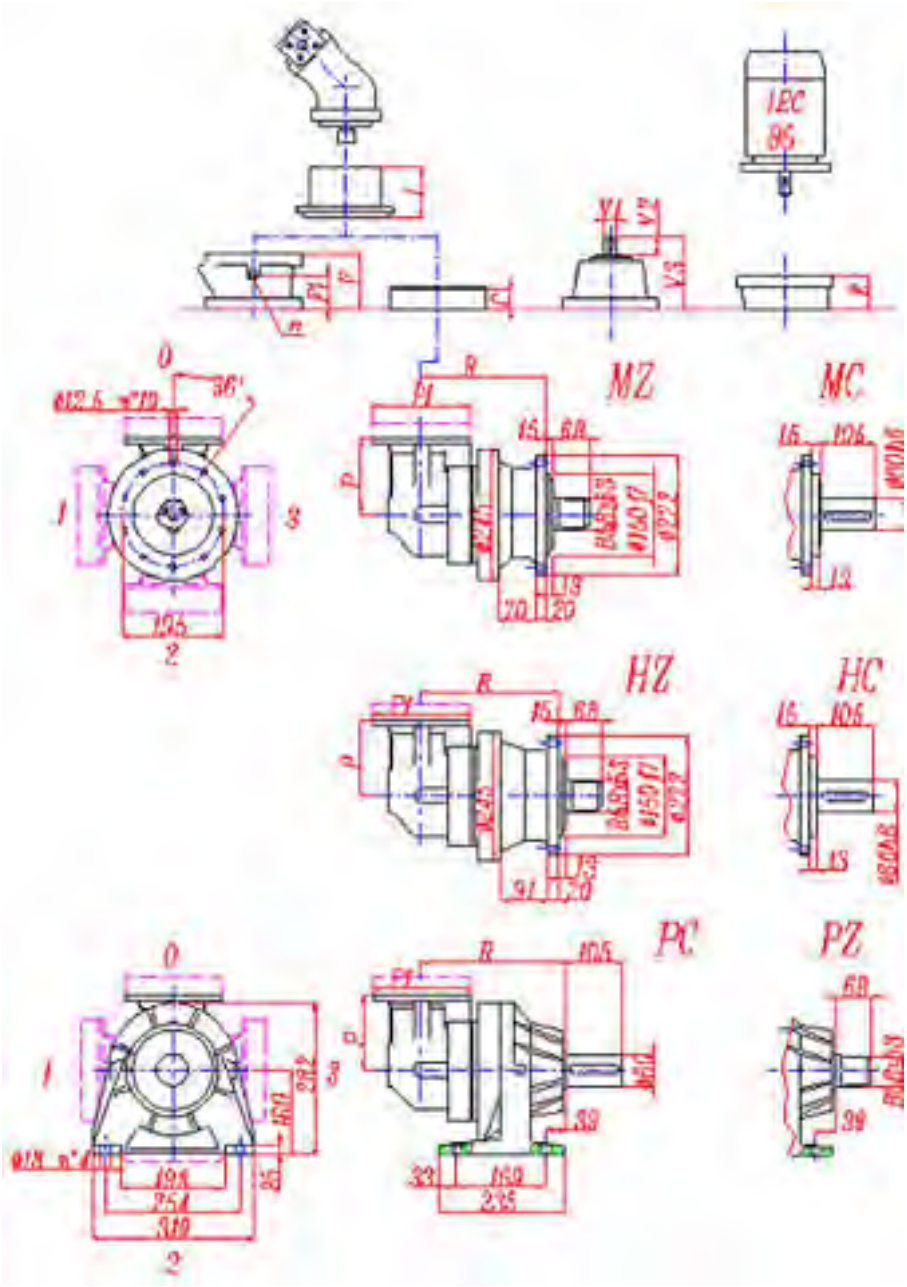


FP version
Max. transmissible
7000 N.m

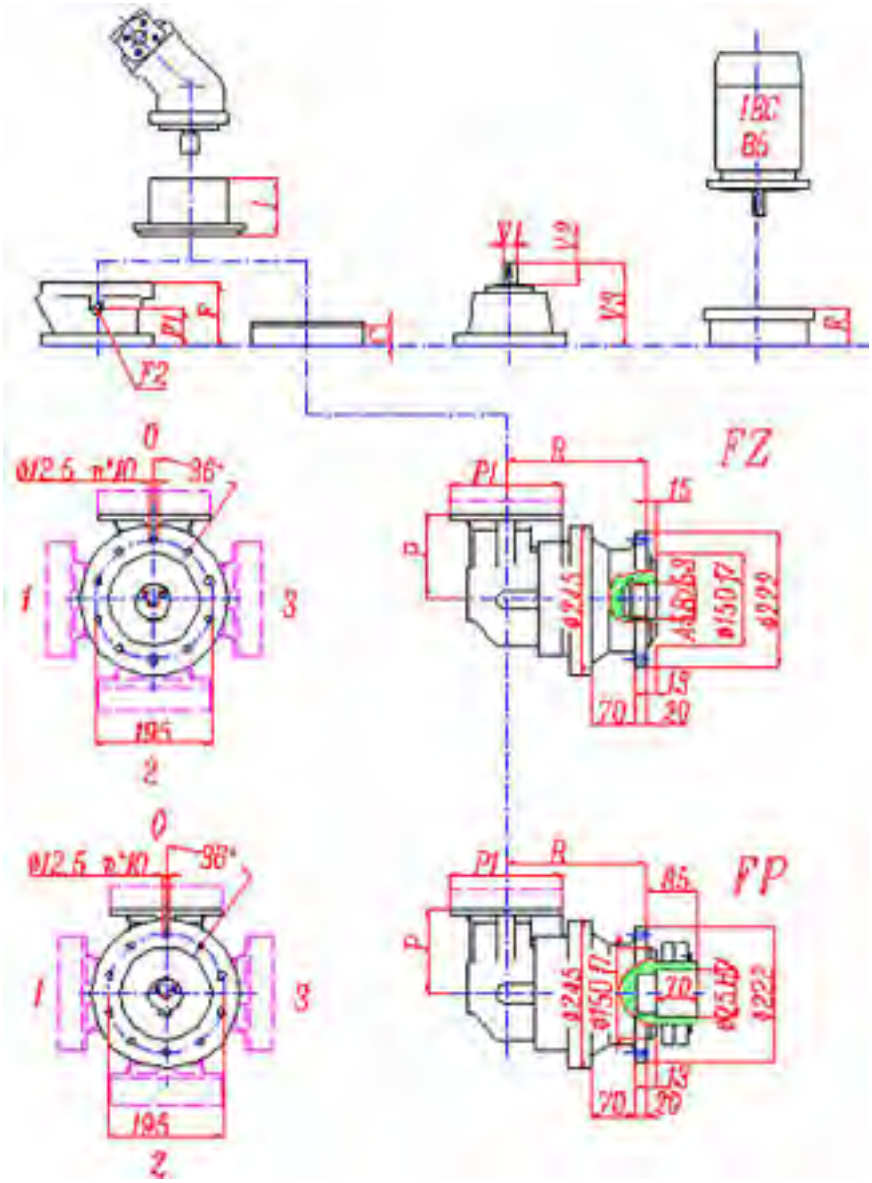
	L				Ref. weight (without input)(Kg)				C	I	Brake				
	MZMC	**FZ FP**	HZ**HC**	PC**PZ**	MZMC	**FZ FP**	HZ**HC**	PC**PZ**			**F**	**F1**	F2	Type	Ref. Weight
305L1	147	147	172	187	36	36	40	45	37	According to hydraulic motor	145	95	1/4 G	5	22 Kg
305L2	212	212	237	252	43	43	47	52	37		105	65	1/4 G	4	15 Kg
305L3	265	265	292	305	47	47	51	56	37		105	65	1/4 G	4	
305L4	318	318	343	358	51	51	55	60	37		105	65	1/4 G	4	

	E (IEC motor input)											
			IEC71	IEC80	IEC90	IEC100	IEC112	IEC132	IEC160	IEC180	IEC200	
305L1								114	144	144	174	
305L2			65	84	84	94	94	114	144			
305L3			65	84	84	94	94	114	144			
305L4			65	84	84	94	94	114	144			

NB305R



NB305R



FP version

Max. transmissible

7000 N.m

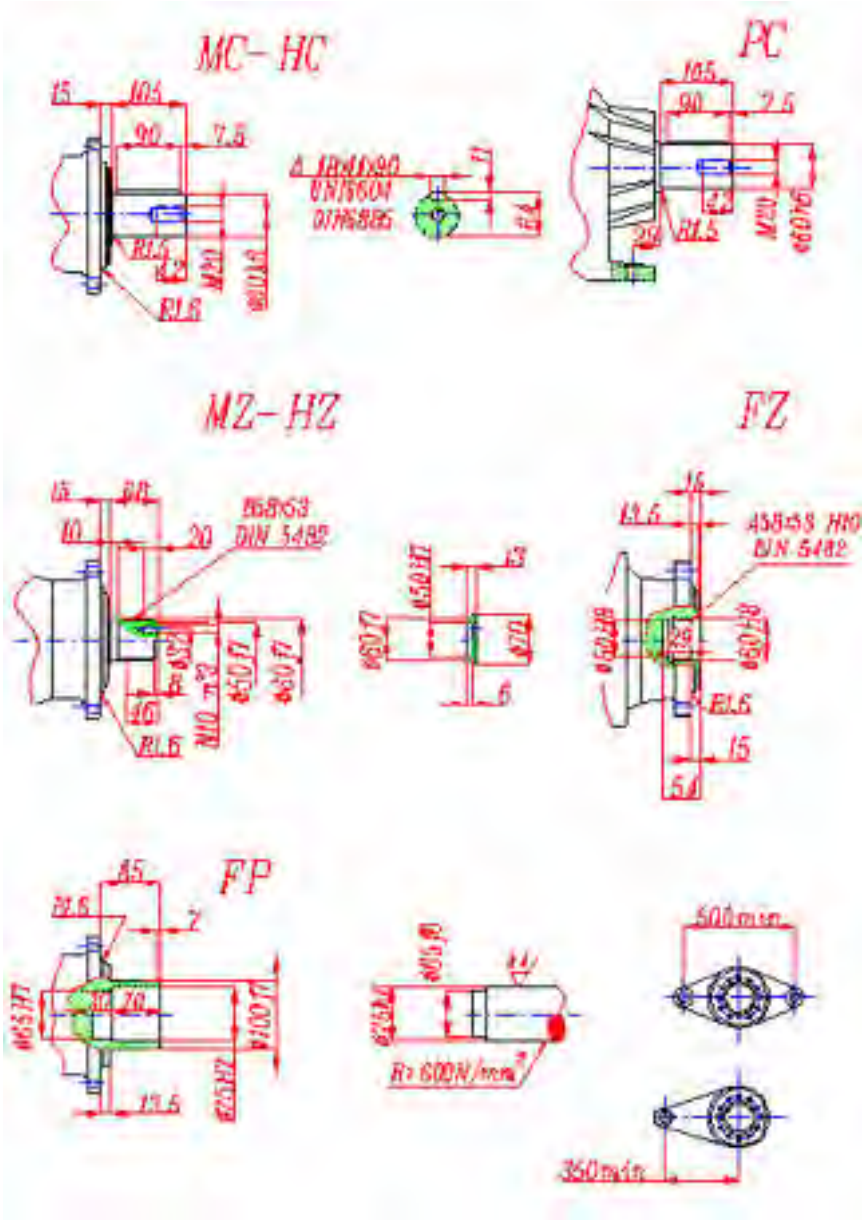
	R				Ref. weight (without input)(Kg)				C	P	I	Brake				
	MZMC	**FZ FP**	HZ**HC**	PC**PZ**	MZMC	**FZ FP**	HZ**HC**	PC**PZ**				**F**	**F1**	F2	Type	Ref. Weight

15 Kg

305R2	239	239	264	279	51	51	55	60	373737	140122	According to	105	65	1/4 G	4
305R3	304	304	329	344	49	49	53	58	37	122	hydraulic	105	65	1/4 G	4
305R4	357	357	382	397	53	53	57	62	37	122	motor	105	65	1/4 G	4

	P1	E (IEC motor input)						
		IEC71	IEC80	IEC90	IEC100	IEC112	IEC132	
305R2	186	65	84	84	94	94	114	
305R3	186	65	84	84	94	94	114	
305R4	186	65	84	84	94	94	114	

NB305L - NB305R

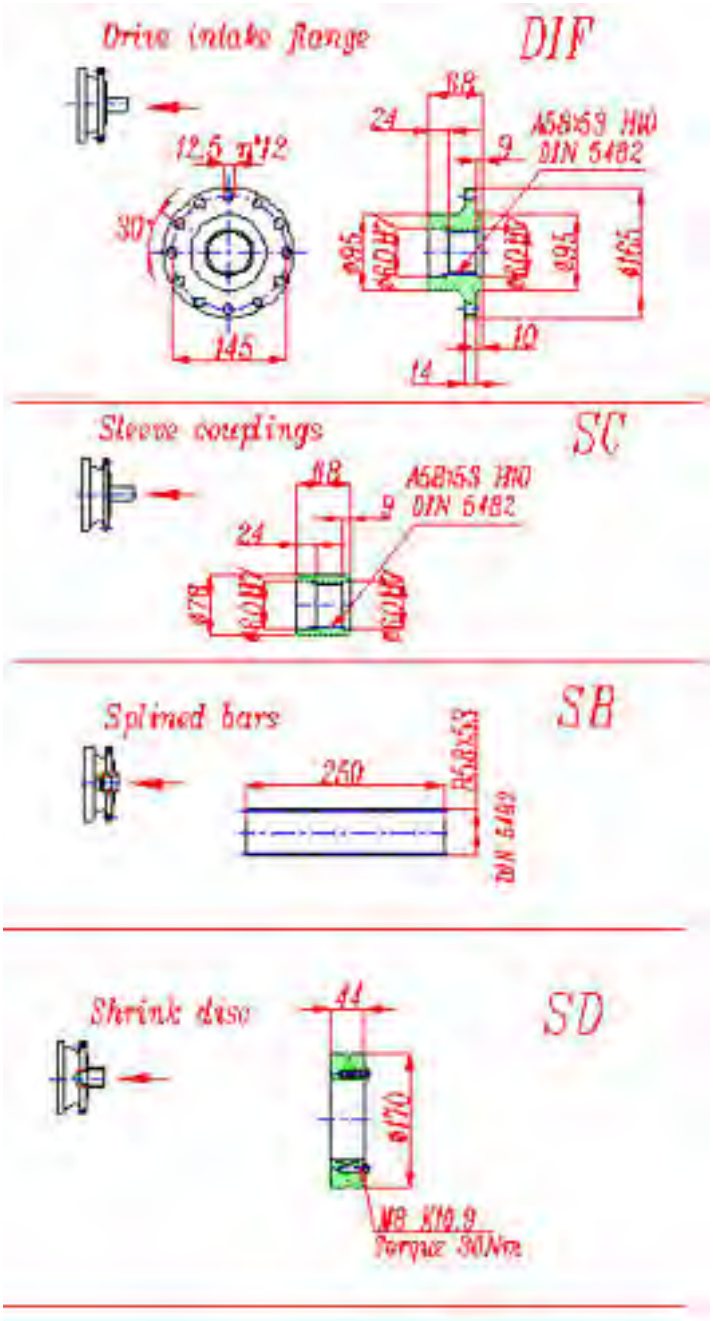


FP version

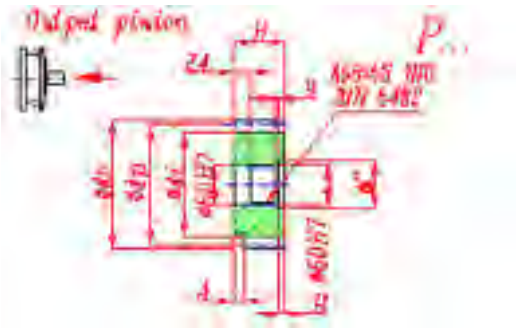
Max. transmissible

7000 N.m

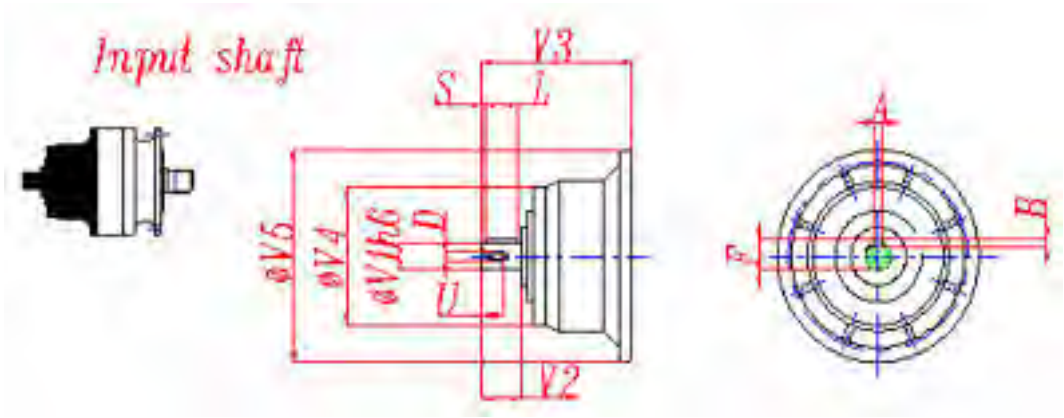
NB305L - NB305R



NB305L - NB305R



	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

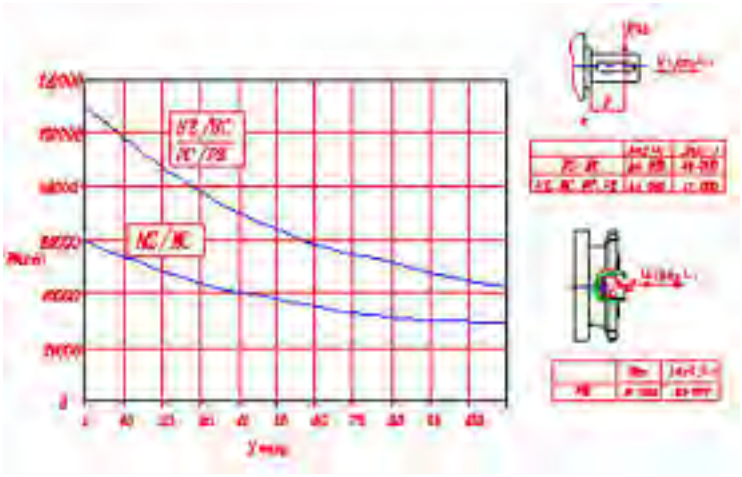


	CODE	V1	V2	V3	V4	V5	A	B	F	L	S	D	U
305L1	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
305L2	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
	V01B	38	58	158	120	186	10	8	41	50	4	M12	28
305L3	V01A	24	36	137.5	120	186	8	7	27	30	3	M8	19
	V01B	38	58	158	120	186	10	8	41	50	4	M12	28

305L4	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
305R2-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

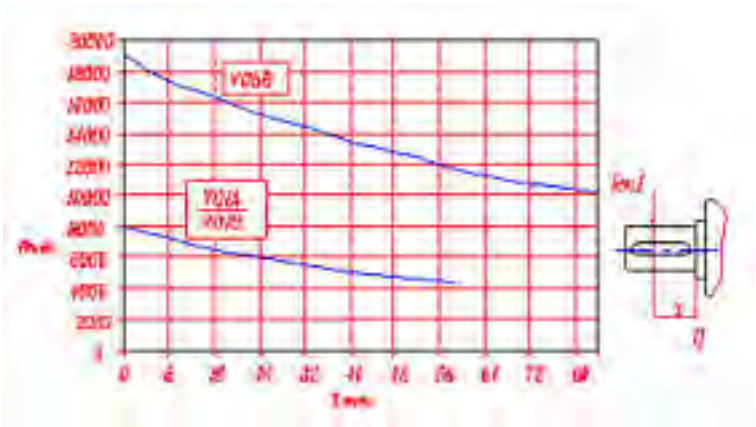
NB305L - NB305R

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