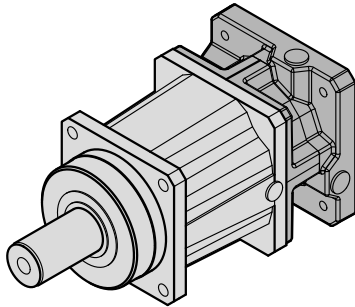
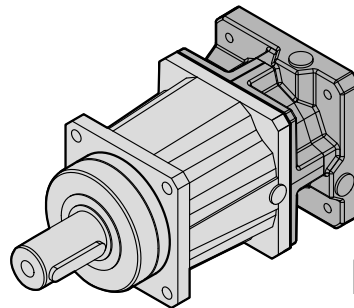


14 PS.F..

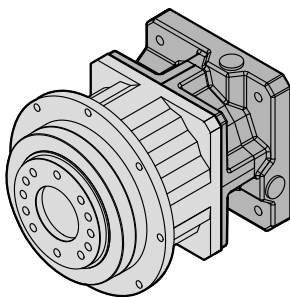
14.1 PS.F.. EPH..



PSF../EPH..

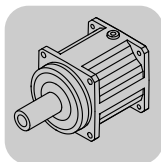


PSKF../EPH..



PSBF../EPH

63936axx



14.2 PS.F. EPH..

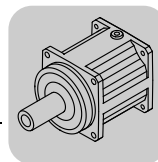
14.2.1 PS.F 121/122 EPH.. [Nm]

[Nm]		EPH					
		M_{amax} M_{apk} $M_{aNotaus}$					
	i	01			02		
PSF121 	3.00	20	23	34	20	36	54
	4.00	25	30	45	25	38	57
	5.00	25	35	52	25	35	52
	7.00	25	37	55	25	37	55
	10.00	25	26	39	25	26	39
PSF122 	16.00	25	38	57	25	38	57
	20.00	25	35	52	25	35	52
	25.00	25	35	52	25	35	52
	28.00	25	33	49	25	33	49
	35.00	25	35	52	25	35	52
	40.00	25	32	48	25	32	48
	49.00	25	37	55	25	37	55
	70.00	25	37	55	25	37	55
	100.00	25	26	39	25	26	39

m [kg]		EPH	
	s	01	02
PSF121		1.8	2.1
PSF122		2.4	2.7

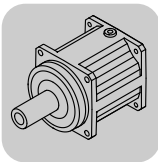
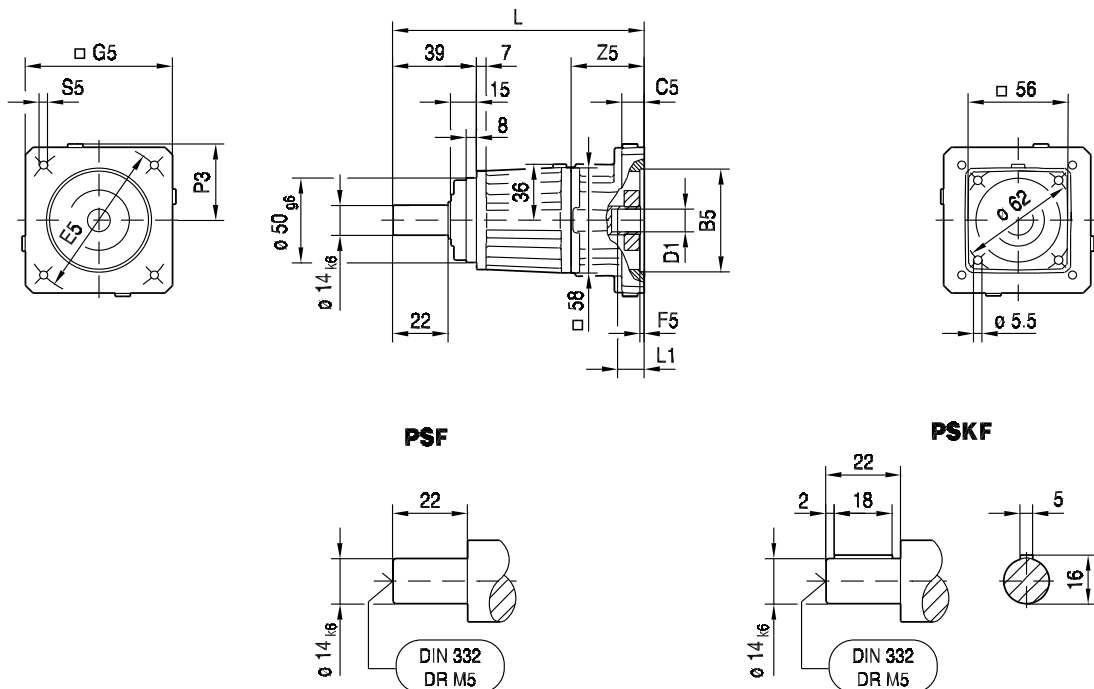
EPH01 $n_e = 1500$									
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	η_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF121 	3.00	20	23	34	542	0.28	1.6	2000	1990
	4.00	25	30	45	542	0.24	1.9	1980	1950
	5.00	25	35	52	500	0.22	2.0	1980	1910
	7.00	25	37	55	443	0.21	2.0	1980	1900
	10.00	25	26	39	405	0.20	1.7	1980	1970
PSF122 	16.00	25	38	57	438	0.23	2.1	1980	1890
	20.00	25	35	52	350	0.23	2.1	1980	1910
	25.00	25	35	52	280	0.22	2.1	1980	1910
	28.00	25	33	49	250	0.21	2.1	1980	1930
	35.00	25	35	52	200	0.21	2.1	1980	1910
	40.00	25	32	48	175	0.20	2.1	1980	1930
	49.00	25	37	55	143	0.21	2.0	1980	1900
	70.00	25	37	55	100	0.20	2.0	1980	1900
	100.00	25	26	39	70	0.20	1.7	1980	1970

EPH02 $n_e = 1500$									
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	η_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF121 	3.00	20	36	54	542	0.59	2.0	2000	1900
	4.00	25	38	57	542	0.54	2.2	1980	1890
	5.00	25	35	52	500	0.52	2.2	1980	1910
	7.00	25	37	55	443	0.51	2.0	1980	1900
	10.00	25	26	39	405	0.50	1.7	1980	1970

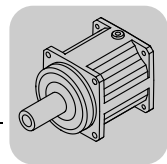


EPH02 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
i									
PSF122 	16.00	25	38	57	438	0.53	2.2	1980	1890
	20.00	25	35	52	350	0.53	2.1	1980	1910
	25.00	25	35	52	280	0.52	2.1	1980	1910
	28.00	25	33	49	250	0.51	2.1	1980	1930
	35.00	25	35	52	200	0.51	2.1	1980	1910
	40.00	25	32	48	175	0.50	2.1	1980	1930
	49.00	25	37	55	143	0.51	2.0	1980	1900
	70.00	25	37	55	100	0.50	2.0	1980	1900
	100.00	25	26	39	70	0.50	1.7	1980	1970

EPH		n_{epk} [1/min]	η [%]	M1;M3;M5-6			M2			M4			ϕ /R /M		
i				a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[°]	[°]	[°]
PSF121 	3.00	8000	99	66.00	-0.045	0	80.00	-0.070	0	94.00	-0.101	0	8	4	2
	4.00	8000	99	94.00	-0.069	0	114.0	-0.105	0	134.0	-0.150	0	8	4	2
	5.00	8000	99	101.0	-0.079	0	119.0	-0.114	0	135.0	-0.157	0	8	4	2
	7.00	8000	99	115.0	-0.102	0	132.0	-0.141	0	135.0	-0.171	0	8	4	2
	10.00	8000	99	117.0	-0.127	0	132.0	-0.165	0	124.0	-0.177	0	8	4	2
PSF122 	16.00	8000	98	151.0	-0.315	0	207	-0.622	0	217	-0.694	0	10	6	3
	20.00	8000	98	179.0	-0.452	0	250	-0.919	0	259	-1.002	0	10	6	3
	25.00	8000	98	186.0	-0.510	0	255	-0.982	0	264	-1.068	0	10	6	3
	28.00	8000	98	169.0	-0.453	0	219	-0.772	0	229	-0.850	0	10	6	3
	35.00	8000	98	202	-0.660	0	264	-1.140	0	273	-1.229	0	10	6	3
	40.00	8000	98	197.0	-0.666	0	242	-1.000	0	251	-1.083	0	10	6	3
	49.00	8000	98	274	-1.225	0	363	-2.155	0	372	-2.271	0	10	6	3
	70.00	8000	98	324	-1.844	0	401	-2.816	0	410	-2.940	0	10	6	3
	100.00	8000	98	432	-3.473	0	542	-5.374	0	550	-5.546	0	10	6	3

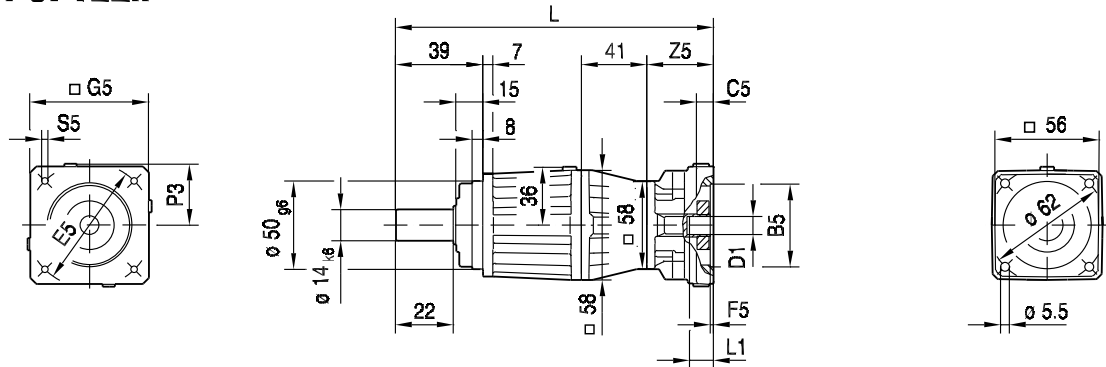

14.2.2 PS.F 121/122 EPH.. [mm]
PSF121..
57 004 00 03^L


(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH01/01/..	142	40	13	63	3.5	58	M4	44	33	31	9, 11
EPH01/03/..	142	50	13	60	3.5	58	M4	44	33	31	9, 11
EPH02/04/..	142	50	10	70	3.5	80	M5	44	34	42	8, 9, 10, 11, 12, 14
EPH02/05/..	142	50	10	80	3.5	80	M4	44	34	42	8, 9, 10, 11, 12, 14
EPH02/06/..	142	50	10	95	3.5	80	M6	44	34	42	8, 9, 10, 11, 12, 14
EPH02/08/..	142	60	10	75	3.5	80	M5	44	34	42	8, 9, 10, 11, 12, 14
EPH02/09/..	142	60	10	90	3.5	80	M5	44	34	42	8, 9, 10, 11, 12, 14
EPH02/10/..	142	70	10	85	3.5	80	M6	44	34	42	8, 9, 10, 11, 12, 14
EPH02/11/..	142	70	10	90	3.5	80	M5	44	34	42	8, 9, 10, 11, 12, 14
EPH02/13/..	155	80	23	100	5	88	M6	57	47	44	8, 9, 10, 11, 12, 14

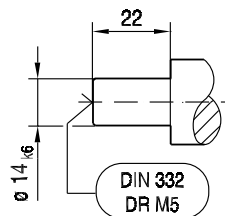


PSF122..

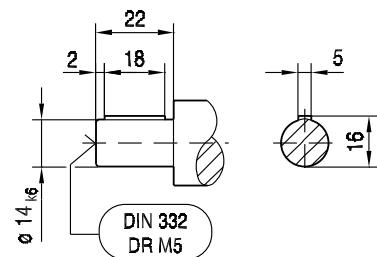
57 005 00 03^L



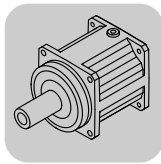
PSF



PSKF



(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH01/01/..	183	40	13	63	3.5	58	M4	44	33	31	9, 11
EPH01/03/..	183	50	13	60	3.5	58	M4	44	33	31	9, 11
EPH02/04/..	183	50	10	70	3.5	80	M5	44	34	42	8, 9, 10, 11, 12, 14
EPH02/05/..	183	50	10	80	3.5	80	M4	44	34	42	8, 9, 10, 11, 12, 14
EPH02/06/..	183	50	10	95	3.5	80	M6	44	34	42	8, 9, 10, 11, 12, 14
EPH02/08/..	183	60	10	75	3.5	80	M5	44	34	42	8, 9, 10, 11, 12, 14
EPH02/09/..	183	60	10	90	3.5	80	M5	44	34	42	8, 9, 10, 11, 12, 14
EPH02/10/..	183	70	10	85	3.5	80	M6	44	34	42	8, 9, 10, 11, 12, 14
EPH02/11/..	183	70	10	90	3.5	80	M5	44	34	42	8, 9, 10, 11, 12, 14
EPH02/13/..	196	80	23	100	5	88	M6	57	47	44	8, 9, 10, 11, 12, 14

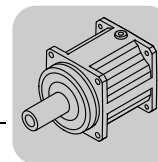

14.2.3 PS.F 221/222 EPH.. [Nm]

[Nm]		EPH M_{amax} M_{apk} $M_{aNotaus}$											
	i	01			02			03			04		
PSF221 1	3.00	23	23	34	40	53	75	40	53	75	40	65	97
	4.00	30	30	45	55	70	100	55	70	100	55	85	127
	5.00	38	38	56	55	80	120	55	80	120	55	80	120
	7.00	53	53	79	55	85	127	55	85	127	55	85	127
	10.00	55	62	93	55	62	93	55	62	93	55	62	93
PSF222 2	16.00	55	85	127	55	85	127						
	20.00	55	80	120	55	80	120						
	25.00	55	80	120	55	80	120						
	28.00	55	83	124	55	83	124						
	35.00	55	80	120	55	80	120						
	40.00	55	79	118	55	79	118						
	49.00	55	85	127	55	85	127						
	70.00	55	85	127	55	85	127						
	100.00	55	62	93	55	62	93						

m [kg]		EPH			
	s	01	02	03	04
PSF221	1	2.7	2.8	3.0	3.2
PSF222	2	3.4	3.5	3.8	3.9

EPH01 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
	i								
PSF221 1	3.00	23	23	34	2333	0.43	2.3	2910	2930
	4.00	30	30	45	1750	0.31	2.7	2910	2910
	5.00	38	38	56	1400	0.27	3.0	2880	2880
	7.00	53	53	79	525	0.23	3.2	2720	2720
	10.00	55	62	93	420	0.21	3.0	2680	2520
PSF222 2	16.00	55	85	127	438	0.24	3.5	2680	1720
	20.00	55	80	120	350	0.23	3.6	2680	1950
	25.00	55	80	120	280	0.22	3.6	2680	1950
	28.00	55	83	124	250	0.21	3.5	2680	1820
	35.00	55	80	120	200	0.21	3.6	2680	1950
	40.00	55	79	118	175	0.20	3.5	2680	1990
	49.00	55	85	127	143	0.21	3.5	2680	1720
	70.00	55	85	127	100	0.20	3.5	2680	1720
	100.00	55	62	93	70	0.20	3.0	2680	2520

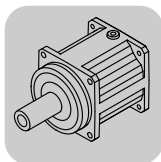
EPH02 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
	i								
PSF221 1	3.00	40	53	75	1890	0.73	3.1	2870	2720
	4.00	55	70	100	585	0.61	3.4	2680	2300
	5.00	55	80	120	530	0.52	3.5	2680	1950
	7.00	55	85	127	465	0.54	3.4	2680	1720
	10.00	55	62	93	420	0.52	3.0	2680	2520
PSF222 2	16.00	55	85	127	438	0.54	3.6	2680	1720
	20.00	55	80	120	350	0.54	3.6	2680	1950
	25.00	55	80	120	280	0.52	3.6	2680	1950
	28.00	55	83	124	250	0.51	3.5	2680	1820
	35.00	55	80	120	200	0.51	3.6	2680	1950
	40.00	55	79	118	175	0.50	3.5	2680	1990
	49.00	55	85	127	143	0.51	3.5	2680	1720
	70.00	55	85	127	100	0.50	3.5	2680	1720
	100.00	55	62	93	70	0.50	3.0	2680	2520



EPH03 $n_e = 1500$									
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF221  1	3.00	40	53	75	1890	0.81	3.1	2870	2720
	4.00	55	70	100	585	0.68	3.4	2680	2300
	5.00	55	80	120	530	0.64	3.5	2680	1950
	7.00	55	85	127	465	0.61	3.4	2680	1720
	10.00	55	62	93	420	0.59	3.0	2680	2520

EPH04 $n_e = 1500$									
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF221  1	3.00	40	65	97	1890	0.98	3.5	2870	2440
	4.00	55	85	127	585	0.86	3.6	2680	1720
	5.00	55	80	120	530	0.82	3.6	2680	1950
	7.00	55	85	127	465	0.79	3.5	2680	1720
	10.00	55	62	93	420	0.76	3.0	2680	2520

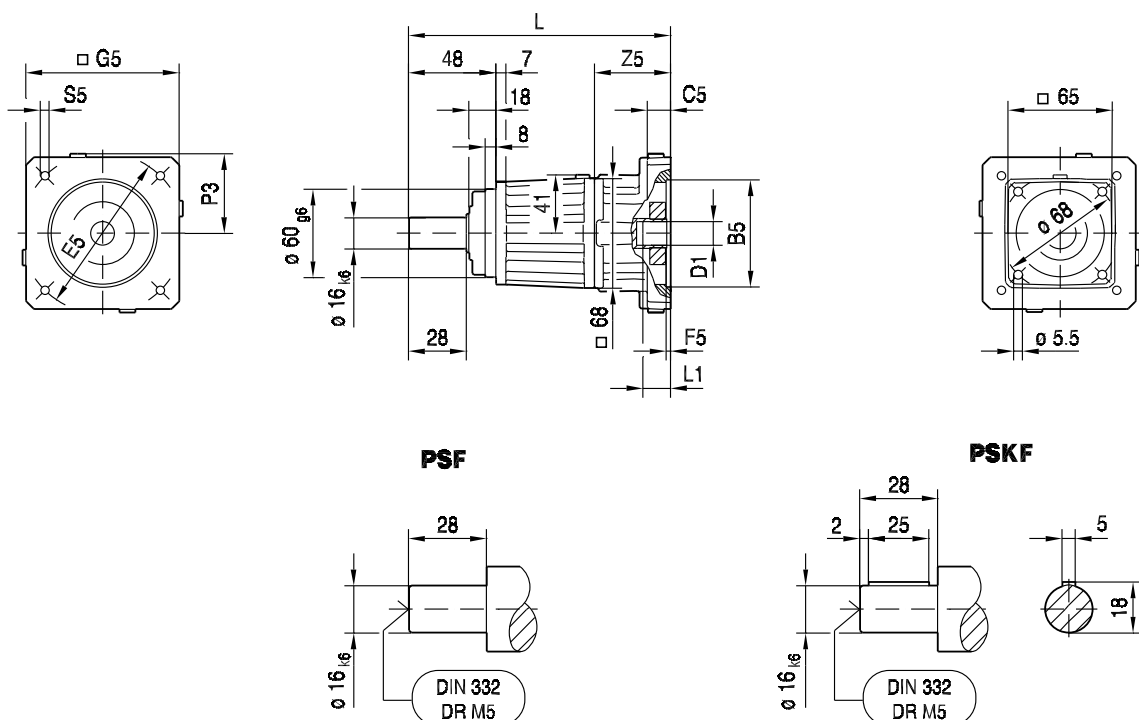
EPH															
	i	n_{epk} [1/min]	η [%]	M1;M3;M5-6			M2			M4			φ		
				a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[°]	/R [°]	/M [°]
PSF221  1	3.00	7500	99	99.00	-0.071	0	129.0	-0.128	0	151.0	-0.183	0	6	3	1
	4.00	7500	99	140.0	-0.103	0	183.0	-0.184	0	215	-0.265	0	6	3	1
	5.00	7500	99	144.0	-0.111	0	185.0	-0.191	0	217	-0.273	0	6	3	1
	7.00	7500	99	163.0	-0.139	0	201	-0.223	0	196.0	-0.260	0	6	3	1
	10.00	7500	99	170.0	-0.168	0	196.0	-0.241	0	186.0	-0.269	0	6	3	1
PSF222  2	16.00	8000	98	194.0	-0.381	0	251	-0.710	0	266	-0.821	0	8	4	2
	20.00	8000	98	220	-0.515	0	292	-0.999	0	306	-1.121	0	8	4	2
	25.00	8000	98	227	-0.574	0	297	-1.061	0	311	-1.186	0	8	4	2
	28.00	8000	98	218	-0.537	0	271	-0.885	0	286	-1.005	0	8	4	2
	35.00	8000	98	250	-0.746	0	317	-1.259	0	331	-1.392	0	8	4	2
	40.00	8000	98	237	-0.727	0	283	-1.072	0	296	-1.195	0	8	4	2
	49.00	8000	98	328	-1.326	0	424	-2.293	0	438	-2.458	0	8	4	2
	70.00	8000	98	367	-1.879	0	449	-2.844	0	461	-3.013	0	8	4	2
	100.00	8000	98	470	-3.376	0	585	-5.223	0	597	-5.440	0	8	4	2



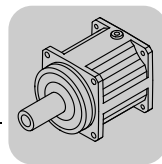
14.2.4 PS.F 221/222 EPH.. [mm]

PSF221..

57 006 00 03^L

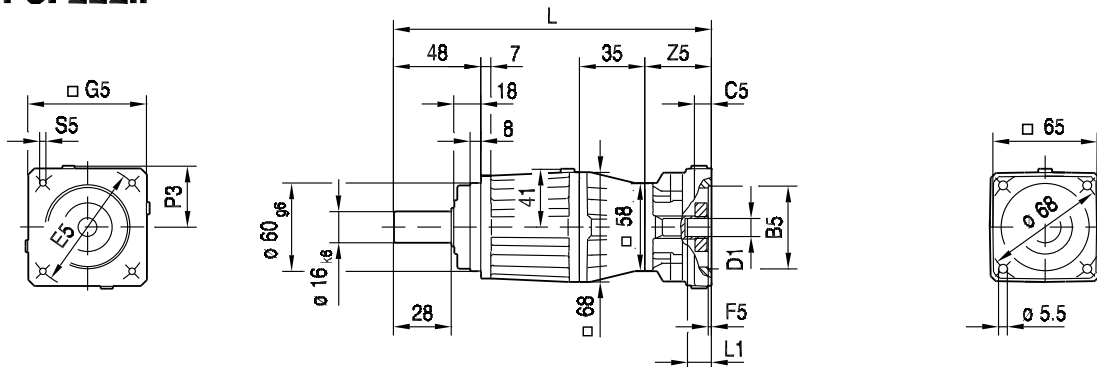


(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH01/01/..	156	40	13	63	4	73	M4	38	33	39	9, 11
EPH01/03/..	156	50	13	60	4	73	M4	38	33	39	9, 11
EPH02/04/..	156	50	13	70	4	73	M5	38	34	39	8, 9, 10, 11, 12, 14
EPH02/05/..	156	50	13	80	4	73	M4	38	34	39	8, 9, 10, 11, 12, 14
EPH02/08/..	156	60	13	75	4	73	M5	38	34	39	8, 9, 10, 11, 12, 14
EPH03/01/..	165	40	20	63	3.5	90	M4	47	38	47	8, 9, 10, 11, 12, 14
EPH03/03/..	165	50	20	60	3.5	90	M4	47	30	47	8, 9, 10, 11, 12, 14
EPH03/04/..	165	50	20	70	3.5	90	M5	47	30	47	8, 9, 10, 11, 12, 14
EPH03/05/..	165	50	20	80	3.5	90	M4	47	30	47	8, 9, 10, 11, 12, 14
EPH03/06/..	165	50	20	95	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/07/..	165	50	20	100	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/08/..	165	60	20	75	3.5	90	M5	47	30	47	8, 9, 10, 11, 12, 14
EPH03/09/..	165	60	20	90	3.5	90	M5	47	30	47	8, 9, 10, 11, 12, 14
EPH03/10/..	165	70	20	85	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/11/..	165	70	20	90	3.5	90	M5	47	30	47	8, 9, 10, 11, 12, 14
EPH03/12/..	165	70	20	90	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/13/..	165	80	20	100	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/14/..	165	95	16	115	4	105	M8	47	30	55	8, 9, 10, 11, 12, 14
EPH04/01/..	174	40	20	63	3.5	90	M4	56	43	47	11, 12, 14, 16, 19
EPH04/03/..	174	50	20	60	3.5	90	M4	56	41	47	11, 12, 14, 16, 19
EPH04/04/..	174	50	20	70	3.5	90	M5	56	41	47	11, 12, 14, 16, 19
EPH04/05/..	174	50	20	80	3.5	90	M4	56	41	47	11, 12, 14, 16, 19
EPH04/06/..	174	50	20	95	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/07/..	174	50	20	100	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/08/..	174	60	20	75	3.5	90	M5	56	41	47	11, 12, 14, 16, 19
EPH04/09/..	174	60	20	90	3.5	90	M5	56	41	47	11, 12, 14, 16, 19
EPH04/10/..	174	70	20	85	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/11/..	174	70	20	90	3.5	90	M5	56	41	47	11, 12, 14, 16, 19
EPH04/12/..	174	70	20	90	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/13/..	174	80	20	100	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/14/..	174	95	16	115	4	105	M8	56	41	55	11, 12, 14, 16, 19
EPH04/15/..	174	95	16	130	4	115	M8	56	41	60	11, 12, 14, 16, 19

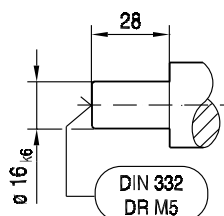


PSF222..

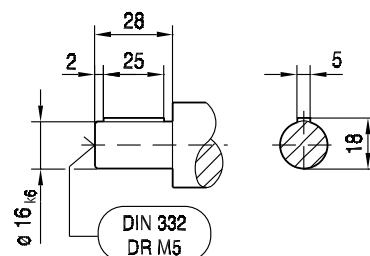
57 007 00 03^L



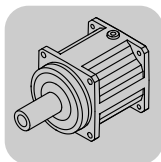
PSF



PSKF



(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH01/01/..	197	40	13	63	3.5	58	M4	44	33	31	9, 11
EPH01/03/..	197	50	13	60	3.5	58	M4	44	33	31	9, 11
EPH02/04/..	197	50	10	70	3.5	80	M5	44	34	42	8, 9, 10, 11, 12, 14
EPH02/05/..	197	50	10	80	3.5	80	M4	44	34	42	8, 9, 10, 11, 12, 14
EPH02/06/..	197	50	10	95	3.5	80	M6	44	34	42	8, 9, 10, 11, 12, 14
EPH02/08/..	197	60	10	75	3.5	80	M5	44	34	42	8, 9, 10, 11, 12, 14
EPH02/09/..	197	60	10	90	3.5	80	M5	44	34	42	8, 9, 10, 11, 12, 14
EPH02/10/..	197	70	10	85	3.5	80	M6	44	34	42	8, 9, 10, 11, 12, 14
EPH02/11/..	197	70	10	90	3.5	80	M5	44	34	42	8, 9, 10, 11, 12, 14
EPH02/13/..	210	80	23	100	5	88	M6	57	47	44	8, 9, 10, 11, 12, 14

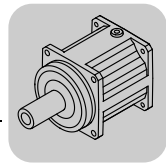

14.2.5 PS.F 321/322 EPH.. [Nm]

[Nm]		EPH M_{amax} M_{apk} $M_{aNotaus}$														
	i	01			02			03			04			05		
PSF321 1	3.00										85	125	178	85	125	178
	4.00										110	170	235	110	170	235
	5.00										110	169	250	110	169	250
	7.00										110	168	250	110	168	250
	10.00										110	121	181	110	121	181
PSF322 2	16.00	110	120	181	110	153	225	110	153	225	110	153	225			
	20.00	110	150	225	110	169	250	110	169	250	110	169	250			
	25.00	110	169	250	110	169	250	110	169	250	110	169	250			
	28.00	110	145	215	110	145	215	110	145	215	110	145	215			
	35.00	110	169	250	110	169	250	110	169	250	110	169	250			
	40.00	110	142	210	110	142	210	110	142	210	110	142	210			
	49.00	110	168	250	110	168	250	110	168	250	110	168	250			
	70.00	110	168	250	110	168	250	110	168	250	110	168	250			
	100.00	110	121	181	110	121	181	110	121	181	110	121	181			

m [kg]		EPH				
	s	01	02	03	04	05
PSF321	1	4.0	4.1	4.4	4.6	5.9
PSF322	2	5.6	5.6	5.9	6.2	7.4

EPH01							c _T	F _{Ramax}	F _{Rapk}
n _e = 1500	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]	PSF [Nm/']	PSF [N]	PSF [N]
PSF322  2	16.00	110	120	181	438	0.31	10	5480	5350
	20.00	110	150	225	350	0.31	11	5480	4850
	25.00	110	169	250	280	0.27	11	5480	4450
	28.00	110	145	215	250	0.24	10	5480	4950
	35.00	110	169	250	200	0.23	11	5480	4450
	40.00	110	142	210	175	0.21	10	5480	5000
	49.00	110	168	250	143	0.23	10	5480	4470
	70.00	110	168	250	100	0.21	10	5480	4470
	100.00	110	121	181	70	0.21	8.0	5480	5330

EPH02							c _T	F _{Ramax}	F _{Rapk}
n _e = 1500	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]	PSF [Nm/']	PSF [N]	PSF [N]
PSF322  2	16.00	110	153	225	438	0.62	11	5480	4800
	20.00	110	169	250	350	0.61	11	5480	4450
	25.00	110	169	250	280	0.57	11	5480	4450
	28.00	110	145	215	250	0.54	11	5480	4950
	35.00	110	169	250	200	0.54	11	5480	4450
	40.00	110	142	210	175	0.52	10	5480	5000
	49.00	110	168	250	143	0.53	10	5480	4470
	70.00	110	168	250	100	0.52	10	5480	4470
	100.00	110	121	181	70	0.52	8.0	5480	5330

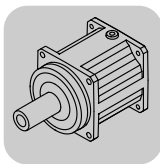
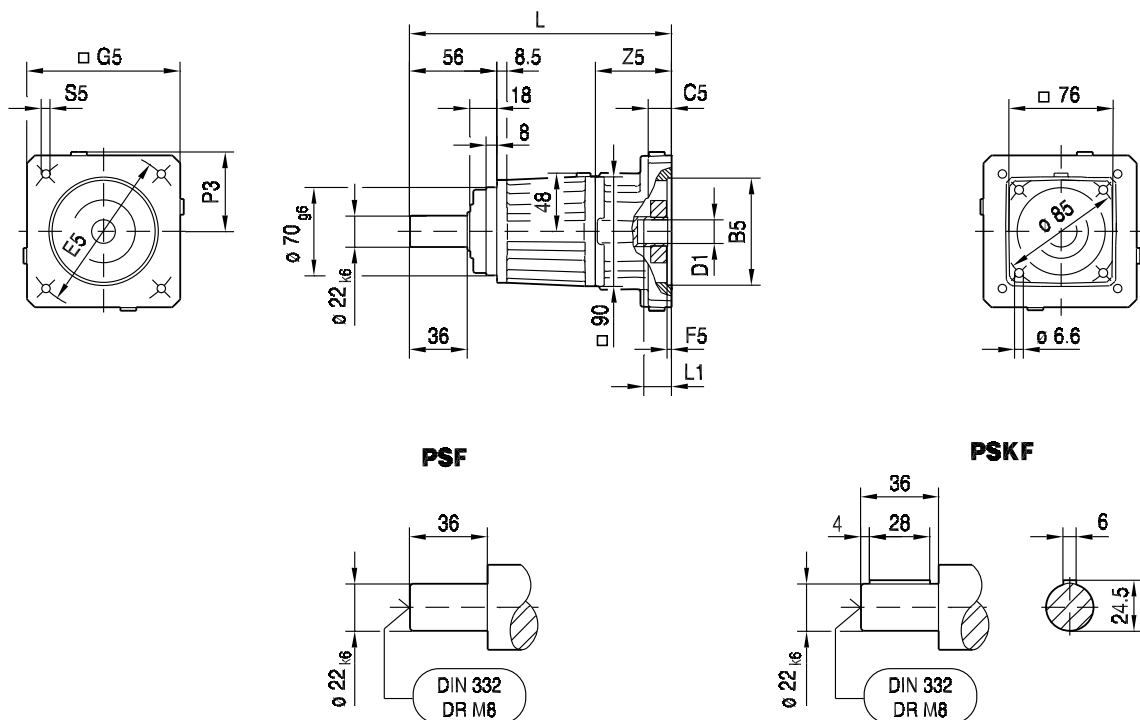


EPH03 n _e = 1500							c _T PSF	F _{Ramax} PSF	F _{Rapk} PSF
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]	[Nm/']	[N]	[N]
PSF322  2	16.00	110	153	225	438	0.69	11	5480	4800
	20.00	110	169	250	350	0.68	11	5480	4450
	25.00	110	169	250	280	0.64	11	5480	4450
	28.00	110	145	215	250	0.61	11	5480	4950
	35.00	110	169	250	200	0.61	11	5480	4450
	40.00	110	142	210	175	0.59	10	5480	5000
	49.00	110	168	250	143	0.61	10	5480	4470
	70.00	110	168	250	100	0.59	10	5480	4470
	100.00	110	121	181	70	0.59	8.0	5480	5330

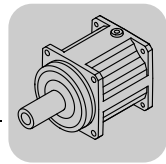
EPH04 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF321 	3.00	85	125	178	600	1.5	10	4380	5280
	4.00	110	170	235	500	1.1	11	4770	4420
	5.00	110	169	250	460	1.00	11	5100	4450
	7.00	110	168	250	405	0.89	11	5480	4470
	10.00	110	121	181	368	0.80	8.0	5480	5330
PSF322 	16.00	110	153	225	438	0.87	11	5480	4800
	20.00	110	169	250	350	0.86	11	5480	4450
	25.00	110	169	250	280	0.82	11	5480	4450
	28.00	110	145	215	250	0.79	11	5480	4950
	35.00	110	169	250	200	0.79	11	5480	4450
	40.00	110	142	210	175	0.76	10	5480	5000
	49.00	110	168	250	143	0.79	10	5480	4470
	70.00	110	168	250	100	0.76	10	5480	4470
	100.00	110	121	181	70	0.76	8.0	5480	5330

EPH05 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF321 	3.00	85	125	178	600	3.2	10	4380	5280
	4.00	110	170	235	500	2.8	11	4770	4420
	5.00	110	169	250	460	2.7	11	5100	4450
	7.00	110	168	250	405	2.6	11	5480	4470
	10.00	110	121	181	368	2.5	8.0	5480	5330

EPH		n _{epk} [1/min]	η [%]	M1;M3;M5-6			M2			M4			φ		
				a ₀	a ₁	a ₂	a ₀	a ₁	a ₂	a ₀	a ₁	a ₂	[°]	/R [°]	/M [°]
 1	3.00	7000	99	218	-0.204	0	251	-0.303	0	258	-0.395	0	6	3	1
	4.00	7000	99	291	-0.289	0	334	-0.420	0	361	-0.599	0	6	3	1
	5.00	7000	99	308	-0.327	0	352	-0.465	0	394	-0.698	0	6	3	1
	7.00	7000	99	315	-0.389	0	355	-0.525	0	419	-0.838	0	6	3	1
	10.00	7000	99	282	-0.426	0	324	-0.569	0	596	-1.963	0	6	3	1
 2	16.00	7500	98	302	-0.615	0	407	-1.248	0	441	-1.523	0	8	4	2
	20.00	7500	98	365	-0.878	0	494	-1.824	0	526	-2.129	0	8	4	2
	25.00	7500	98	382	-0.956	0	503	-1.894	0	534	-2.202	0	8	4	2
	28.00	7500	98	338	-0.785	0	434	-1.438	0	467	-1.728	0	8	4	2
	35.00	7500	98	404	-1.118	0	524	-2.098	0	555	-2.421	0	8	4	2
	40.00	7500	98	353	-0.951	0	440	-1.599	0	471	-1.890	0	8	4	2
	49.00	7500	98	479	-1.768	0	641	-3.474	0	668	-3.835	0	8	4	2
	70.00	7500	98	509	-2.219	0	655	-3.923	0	681	-4.288	0	8	4	2
	100.00	7500	98	588	-3.573	0	787	-6.596	0	809	-7.019	0	8	4	2

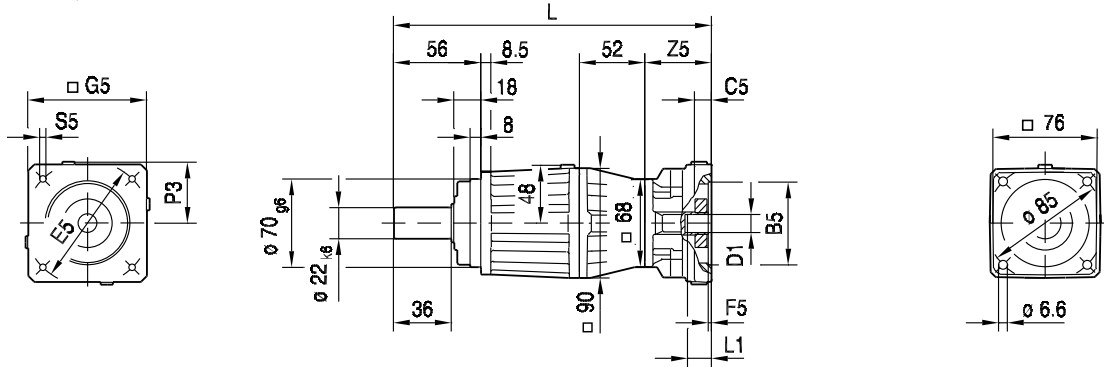

14.2.6 PS.F 321/322 EPH.. [mm]
PSF321..
57 008 00 03


(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH04/01/..	196	40	20	63	3.5	90	M4	51	43	47	11, 12, 14, 16, 19
EPH04/03/..	196	50	20	60	3.5	90	M4	51	41	47	11, 12, 14, 16, 19
EPH04/04/..	196	50	20	70	3.5	90	M5	51	41	47	11, 12, 14, 16, 19
EPH04/05/..	196	50	20	80	3.5	90	M4	51	41	47	11, 12, 14, 16, 19
EPH04/06/..	196	50	20	95	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/07/..	196	50	20	100	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/08/..	196	60	20	75	3.5	90	M5	51	41	47	11, 12, 14, 16, 19
EPH04/09/..	196	60	20	90	3.5	90	M5	51	41	47	11, 12, 14, 16, 19
EPH04/10/..	196	70	20	85	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/11/..	196	70	20	90	3.5	90	M5	51	41	47	11, 12, 14, 16, 19
EPH04/12/..	196	70	20	90	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/13/..	196	80	20	100	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/14/..	196	95	16	115	4	105	M8	51	41	55	11, 12, 14, 16, 19
EPH04/15/..	196	95	16	130	4	115	M8	51	41	60	11, 12, 14, 16, 19
EPH05/14/..	212	95	16	115	4	120	M8	67	52	62	14, 16, 17, 18, 19, 24
EPH05/15/..	212	95	16	130	4	120	M8	67	52	62	14, 16, 17, 18, 19, 24
EPH05/16/..	212	110	16	130	5	120	M8	67	52	62	14, 16, 17, 18, 19, 24
EPH05/17/..	212	110	16	145	7	120	M8	67	52	62	14, 16, 17, 18, 19, 24
EPH05/18/..	212	110	20	165	5	140	M10	67	52	72	14, 16, 17, 18, 19, 24
EPH05/20/..	212	130	20	165	5	140	M10	67	52	72	14, 16, 17, 18, 19, 24
EPH05/26/..	212	110	16	130	5	115	M8	67	52	61	14, 16, 17, 18, 19, 24

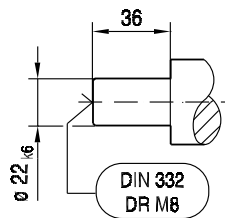


PSF322..

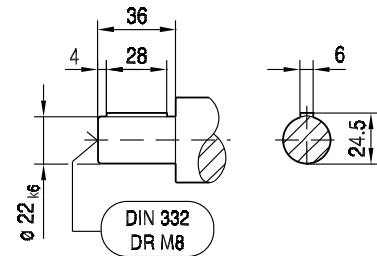
57 009 00 03^L



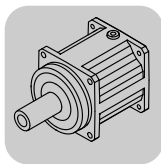
PSF



PSKF



(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH01/01/..	235	40	13	63	4	73	M4	38	33	39	9, 11
EPH01/03/..	235	50	13	60	4	73	M4	38	33	39	9, 11
EPH02/04/..	235	50	13	70	4	73	M5	38	34	39	8, 9, 10, 11, 12, 14
EPH02/05/..	235	50	13	80	4	73	M4	38	34	39	8, 9, 10, 11, 12, 14
EPH02/08/..	235	60	13	75	4	73	M5	38	34	39	8, 9, 10, 11, 12, 14
EPH03/01/..	244	40	20	63	3.5	90	M4	47	38	47	8, 9, 10, 11, 12, 14
EPH03/03/..	244	50	20	60	3.5	90	M4	47	30	47	8, 9, 10, 11, 12, 14
EPH03/04/..	244	50	20	70	3.5	90	M5	47	30	47	8, 9, 10, 11, 12, 14
EPH03/05/..	244	50	20	80	3.5	90	M4	47	30	47	8, 9, 10, 11, 12, 14
EPH03/06/..	244	50	20	95	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/07/..	244	50	20	100	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/08/..	244	60	20	75	3.5	90	M5	47	30	47	8, 9, 10, 11, 12, 14
EPH03/09/..	244	60	20	90	3.5	90	M5	47	30	47	8, 9, 10, 11, 12, 14
EPH03/10/..	244	70	20	85	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/11/..	244	70	20	90	3.5	90	M5	47	30	47	8, 9, 10, 11, 12, 14
EPH03/12/..	244	70	20	90	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/13/..	244	80	20	100	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/14/..	244	95	16	115	4	105	M8	47	30	55	8, 9, 10, 11, 12, 14
EPH04/01/..	253	40	20	63	3.5	90	M4	56	43	47	11, 12, 14, 16, 19
EPH04/03/..	253	50	20	60	3.5	90	M4	56	41	47	11, 12, 14, 16, 19
EPH04/04/..	253	50	20	70	3.5	90	M5	56	41	47	11, 12, 14, 16, 19
EPH04/05/..	253	50	20	80	3.5	90	M4	56	41	47	11, 12, 14, 16, 19
EPH04/06/..	253	50	20	95	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/07/..	253	50	20	100	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/08/..	253	60	20	75	3.5	90	M5	56	41	47	11, 12, 14, 16, 19
EPH04/09/..	253	60	20	90	3.5	90	M5	56	41	47	11, 12, 14, 16, 19
EPH04/10/..	253	70	20	85	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/11/..	253	70	20	90	3.5	90	M5	56	41	47	11, 12, 14, 16, 19
EPH04/12/..	253	70	20	90	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/13/..	253	80	20	100	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/14/..	253	95	16	115	4	105	M8	56	41	55	11, 12, 14, 16, 19
EPH04/15/..	253	95	16	130	4	115	M8	56	41	60	11, 12, 14, 16, 19

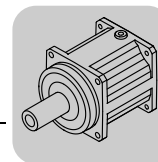

14.2.7 PS.F 521/522 EPH.. [Nm]

[Nm]		EPH M_{amax} M_{apk} $M_{aNotaus}$											
	i	04			05			06			07		
PSF521  1	3.00				180	280	420	180	280	420	180	280	420
	4.00	170	170	235	300	385	575	300	385	575	300	385	575
	5.00	210	210	295	300	375	560	300	375	560	300	375	560
	7.00	300	305	455	300	360	540	300	360	540	300	360	540
	10.00	270	270	445	270	270	445	270	270	445	270	270	445
PSF522  2	16.00	300	385	575	300	385	575						
	20.00	300	375	560	300	375	560						
	25.00	300	375	560	300	375	560						
	28.00	300	385	575	300	385	575						
	35.00	300	375	560	300	375	560						
	40.00	300	385	575	300	385	575						
	49.00	300	360	540	300	360	540						
	70.00	300	360	540	300	360	540						
	100.00	270	270	445	270	270	445						

m [kg]		EPH			
	s	04	05	06	07
PSF521		8.0	9.3	11	11
PSF522		11	12	14	14

EPH04 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
	i								
PSF521  1	4.00	170	170	235	1750	2.2	23	6700	10100
	5.00	210	210	295	1400	1.7	25	7170	9940
	7.00	300	305	455	375	1.3	27	7930	9370
	10.00	270	270	445	485	1.1	22	8820	9610
PSF522  2	16.00	300	385	575	438	1.2	31	9400	8680
	20.00	300	375	560	350	1.1	31	9400	8780
	25.00	300	375	560	280	1.00	31	9400	8780
	28.00	300	385	575	250	0.90	31	9400	8680
	35.00	300	375	560	200	0.89	31	9400	8780
	40.00	300	385	575	175	0.81	29	9400	8680
	49.00	300	360	540	143	0.88	28	9400	8920
	70.00	300	360	540	100	0.80	28	9400	8920
	100.00	270	270	445	70	0.80	22	9610	9610

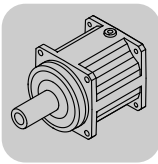
EPH05 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
	i								
PSF521  1	3.00	180	280	420	1085	5.5	28	6150	9540
	4.00	300	385	575	463	4.0	31	6700	8680
	5.00	300	375	560	425	3.5	31	7170	8780
	7.00	300	360	540	375	3.0	29	7930	8920
	10.00	270	270	445	485	2.8	22	8820	9610
PSF522  2	16.00	300	385	575	438	2.8	31	9400	8680
	20.00	300	375	560	350	2.8	31	9400	8780
	25.00	300	375	560	280	2.7	31	9400	8780
	28.00	300	385	575	250	2.6	31	9400	8680
	35.00	300	375	560	200	2.6	31	9400	8780
	40.00	300	385	575	175	2.5	29	9400	8680
	49.00	300	360	540	143	2.6	28	9400	8920
	70.00	300	360	540	100	2.5	28	9400	8920
	100.00	270	270	445	70	2.5	22	9610	9610



EPH06 $n_e = 1500$									
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF521  1	3.00	180	280	420	1085	8.4	29	6150	9540
	4.00	300	385	575	463	6.8	32	6700	8680
	5.00	300	375	560	425	6.3	32	7170	8780
	7.00	300	360	540	375	5.9	29	7930	8920
	10.00	270	270	445	485	5.6	22	8820	9610

EPH07 $n_e = 1500$									
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF521  1	3.00	180	280	420	1085	8.5	30	6150	9540
	4.00	300	385	575	463	6.9	32	6700	8680
	5.00	300	375	560	425	6.4	32	7170	8780
	7.00	300	360	540	375	6.0	29	7930	8920
	10.00	270	270	445	485	5.7	22	8820	9610

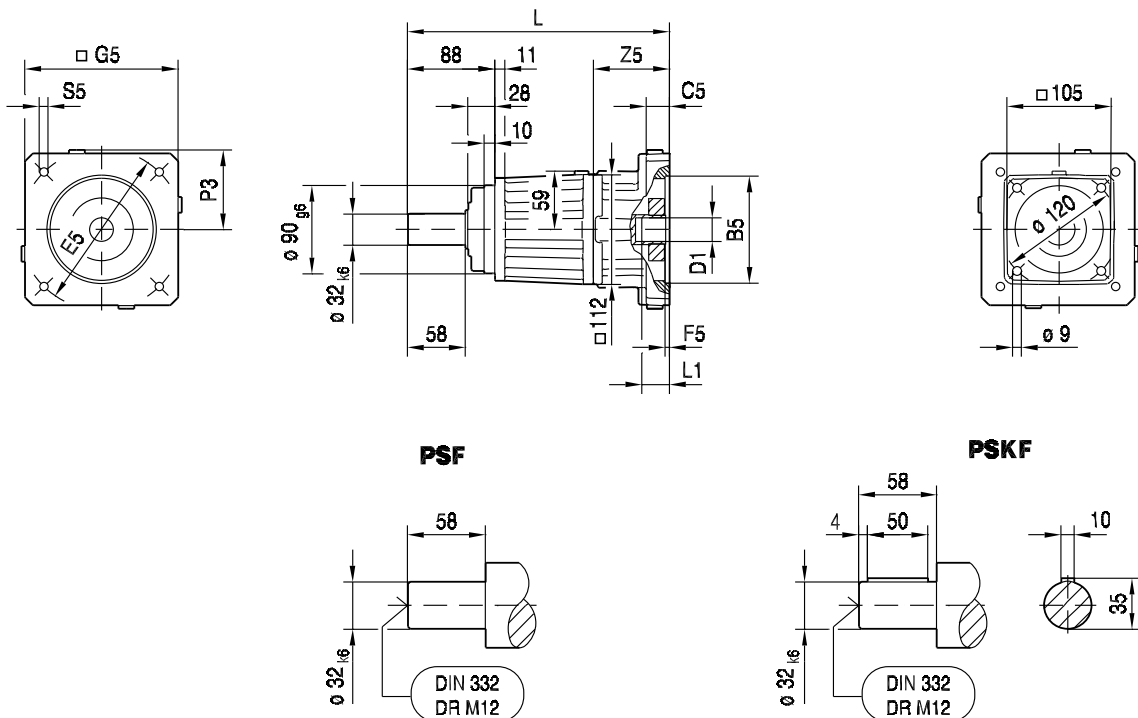
EPH															
	i	n_{epk} [1/min]	η [%]	M1;M3;M5-6			M2			M4			φ		
				a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[°]	/R [°]	/M [°]
PSF521  1	3.00	6000	99	463	-0.494	0	540	-0.758	0	664	-1.374	0	6	3	1
	4.00	6000	99	538	-0.566	0	613	-0.869	0	771	-1.631	0	6	3	1
	5.00	6000	99	532	-0.576	0	641	-0.923	0	832	-1.785	0	6	3	1
	7.00	6000	99	616	-0.723	0	740	-1.127	0	982	-2.214	0	6	3	1
	10.00	6000	99	582	-0.774	0	710	-1.198	0	951	-2.305	0	6	3	1
PSF522  2	16.00	7000	98	715	-1.806	0	883	-3.190	0	941	-3.834	0	8	4	2
	20.00	7000	98	792	-2.368	0	1041	-4.791	0	1182	-6.670	0	8	4	2
	25.00	7000	98	827	-2.651	0	1076	-5.144	0	1220	-7.094	0	8	4	2
	28.00	7000	98	777	-2.424	0	928	-3.825	0	983	-4.491	0	8	4	2
	35.00	7000	98	872	-3.262	0	1099	-5.764	0	1230	-7.693	0	8	4	2
	40.00	7000	98	812	-3.112	0	936	-4.437	0	982	-5.070	0	8	4	2
	49.00	7000	98	1149	-6.255	0	1423	-9.914	0	1559	-12.241	0	8	4	2
	70.00	7000	98	1225	-8.221	0	1450	-11.702	0	1553	-13.832	0	8	4	2
	100.00	7000	98	1492	-13.723	0	1823	-20.406	0	1925	-22.958	0	8	4	2



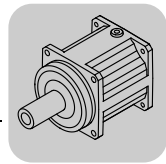
14.2.8 PS.F 521/522 EPH.. [mm]

PSF521..

57 012 00 03^L

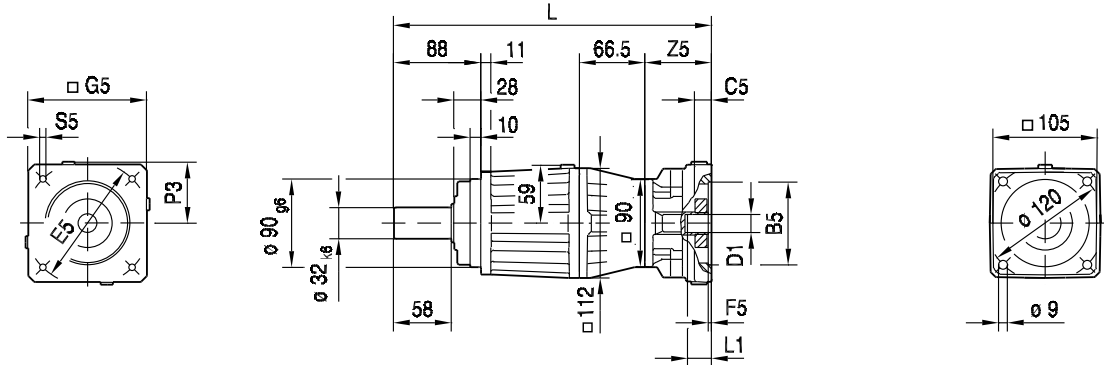


(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH04/01/..	236	40	20	63	3.5	90	M4	46	43	47	11, 12, 14, 16, 19
EPH04/03/..	236	50	20	60	3.5	90	M4	46	41	47	11, 12, 14, 16, 19
EPH04/04/..	236	50	20	70	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/05/..	236	50	20	80	3.5	90	M4	46	41	47	11, 12, 14, 16, 19
EPH04/06/..	236	50	20	95	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/07/..	236	50	20	100	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/08/..	236	60	20	75	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/09/..	236	60	20	90	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/10/..	236	70	20	85	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/11/..	236	70	20	90	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/12/..	236	70	20	90	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/13/..	236	80	20	100	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/14/..	236	95	16	115	4	105	M8	46	41	55	11, 12, 14, 16, 19
EPH04/15/..	236	95	16	130	4	115	M8	46	41	60	11, 12, 14, 16, 19
EPH05/14/..	252	95	16	115	4	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/15/..	252	95	16	130	4	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/16/..	252	110	16	130	5	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/17/..	252	110	16	145	7	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/18/..	252	110	20	165	5	140	M10	62	52	72	14, 16, 17, 18, 19, 24
EPH05/20/..	252	130	20	165	5	140	M10	62	52	72	14, 16, 17, 18, 19, 24
EPH05/26/..	252	110	16	130	5	115	M8	62	52	61	14, 16, 17, 18, 19, 24
EPH06/19/..	287	114.3	24	200	5	174	M12	97	82	89	35
EPH07/20/..	267	130	24	165	5	155	M10	77	62	80	22, 24, 28, 32
EPH07/21/..	267	130	24	215	5	190	M12	77	62	97	22, 24, 28, 32
EPH07/22/..	267	180	24	215	5	190	M12	77	62	97	22, 24, 28, 32
EPH07/27/..	267	130	24	165	5	137	M10	77	62	72	22, 24, 28, 32
EPH07/28/..	267	155	24	190	5	162	M10	77	62	84	22, 24, 28, 32

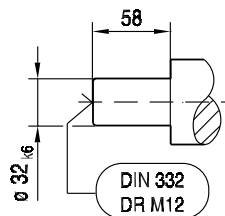


PSF522..

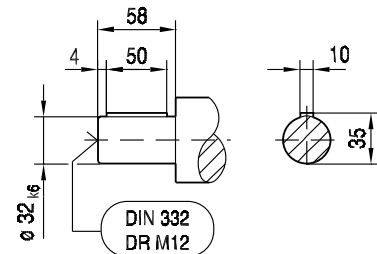
57 013 00 03^L



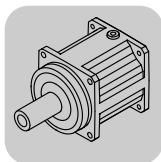
PSF



PSKF



(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH04/01/..	307	40	20	63	3.5	90	M4	51	43	47	11, 12, 14, 16, 19
EPH04/03/..	307	50	20	60	3.5	90	M4	51	41	47	11, 12, 14, 16, 19
EPH04/04/..	307	50	20	70	3.5	90	M5	51	41	47	11, 12, 14, 16, 19
EPH04/05/..	307	50	20	80	3.5	90	M4	51	41	47	11, 12, 14, 16, 19
EPH04/06/..	307	50	20	95	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/07/..	307	50	20	100	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/08/..	307	60	20	75	3.5	90	M5	51	41	47	11, 12, 14, 16, 19
EPH04/09/..	307	60	20	90	3.5	90	M5	51	41	47	11, 12, 14, 16, 19
EPH04/10/..	307	70	20	85	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/11/..	307	70	20	90	3.5	90	M5	51	41	47	11, 12, 14, 16, 19
EPH04/12/..	307	70	20	90	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/13/..	307	80	20	100	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/14/..	307	95	16	115	4	105	M8	51	41	55	11, 12, 14, 16, 19
EPH04/15/..	307	95	16	130	4	115	M8	51	41	60	11, 12, 14, 16, 19
EPH05/14/..	323	95	16	115	4	120	M8	67	52	62	14, 16, 17, 18, 19, 24
EPH05/15/..	323	95	16	130	4	120	M8	67	52	62	14, 16, 17, 18, 19, 24
EPH05/16/..	323	110	16	130	5	120	M8	67	52	62	14, 16, 17, 18, 19, 24
EPH05/17/..	323	110	16	145	7	120	M8	67	52	62	14, 16, 17, 18, 19, 24
EPH05/18/..	323	110	20	165	5	140	M10	67	52	72	14, 16, 17, 18, 19, 24
EPH05/20/..	323	130	20	165	5	140	M10	67	52	72	14, 16, 17, 18, 19, 24
EPH05/26/..	323	110	16	130	5	115	M8	67	52	61	14, 16, 17, 18, 19, 24

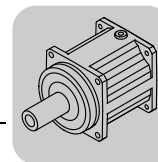

14.2.9 PS.F 621/622 EPH.. [Nm]

[Nm]		EPH M_{amax} M_{apk} $M_{aNotaus}$														
		04			05			06			07			08		
PSF621 1	i															
	4.00				520	520	770	570	745	1110	570	745	1110	570	745	1110
	5.00				595	650	960	595	700	1050	595	700	1050	595	700	1050
	7.00				600	660	1020	600	660	1020	600	660	1020	600	660	1020
PSF622 2	10.00				500	500	850	500	500	850	500	500	850	500	500	850
	16.00	600	680	940	600	745	1110	600	745	1110	600	745	1110			
	20.00	600	700	1050	600	700	1050	600	700	1050	600	700	1050			
	25.00	600	700	1050	600	700	1050	600	700	1050	600	700	1050			
	28.00	600	745	1110	600	745	1110	600	745	1110	600	745	1110			
	35.00	600	700	1050	600	700	1050	600	700	1050	600	700	1050			
	40.00	600	745	1110	600	745	1110	600	745	1110	600	745	1110			
	49.00	600	660	990	600	660	990	600	660	990	600	660	990			
	70.00	600	660	990	600	660	990	600	660	990	600	660	990			
	100.00	500	500	750	500	500	750	500	500	750	500	500	750			

m [kg]		EPH				
s		04	05	06	07	08
PSF621 	1	16	18	19	19	24
PSF622 	2	22	23	25	25	29

EPH04 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF622 2	i								
	16.00	600	680	940	317	2.2	53	13900	13600
	20.00	600	700	1050	292	2.1	54	13900	13500
	25.00	600	700	1050	280	1.7	54	13900	13500
	28.00	600	745	1110	250	1.3	54	13900	13400
	35.00	600	700	1050	200	1.2	54	13900	13500
	40.00	600	745	1110	175	1.1	53	13900	13400
	49.00	600	660	990	143	1.2	50	13900	13700
	70.00	600	660	990	100	1.1	50	13900	13700
	100.00	500	500	750	70	1.1	41	14200	14200

EPH05 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF621 1	i								
	4.00	520	520	770	513	6.5	48	13400	14100
	5.00	595	650	960	300	5.1	50	13900	13700
	7.00	600	660	1020	260	3.9	49	13900	13700
PSF622 2	10.00	500	500	850	425	3.2	41	14200	14200
	16.00	600	745	1110	317	4.0	55	13900	13400
	20.00	600	700	1050	292	3.9	55	13900	13500
	25.00	600	700	1050	280	3.4	55	13900	13500
	28.00	600	745	1110	250	3.0	55	13900	13400
	35.00	600	700	1050	200	3.0	54	13900	13500
	40.00	600	745	1110	175	2.8	53	13900	13400
	49.00	600	660	990	143	3.0	51	13900	13700
	70.00	600	660	990	100	2.8	50	13900	13700
	100.00	500	500	750	70	2.8	41	14200	14200

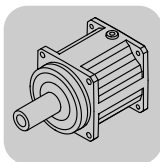


EPH06 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF621 	i	4.00	570	745	1110	375	9.6	54	13400
	5.00	595	700	1050	300	8.2	54	13900	13500
	7.00	600	660	1020	260	6.8	50	13900	13700
	10.00	500	500	850	425	6.1	41	14200	14200
PSF622 	16.00	600	745	1110	317	6.8	55	13900	13400
	20.00	600	700	1050	292	6.7	55	13900	13500
	25.00	600	700	1050	280	6.3	55	13900	13500
	28.00	600	745	1110	250	5.9	55	13900	13400
	35.00	600	700	1050	200	5.9	54	13900	13500
	40.00	600	745	1110	175	5.6	53	13900	13400
	49.00	600	660	990	143	5.8	51	13900	13700
	70.00	600	660	990	100	5.6	50	13900	13700
	100.00	500	500	750	70	5.6	41	14200	14200

EPH07 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF621 	i	4.00	570	745	1110	375	9.7	54	13400
	5.00	595	700	1050	300	8.3	54	13900	13500
	7.00	600	660	1020	260	6.9	50	13900	13700
	10.00	500	500	850	425	6.2	41	14200	14200
PSF622 	16.00	600	745	1110	317	6.9	55	13900	13400
	20.00	600	700	1050	292	6.9	55	13900	13500
	25.00	600	700	1050	280	6.4	55	13900	13500
	28.00	600	745	1110	250	6.0	55	13900	13400
	35.00	600	700	1050	200	6.0	54	13900	13500
	40.00	600	745	1110	175	5.7	53	13900	13400
	49.00	600	660	990	143	5.9	51	13900	13700
	70.00	600	660	990	100	5.7	50	13900	13700
	100.00	500	500	750	70	5.7	41	14200	14200

EPH08 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF621 	i	4.00	570	745	1110	375	16	55	13400
	5.00	595	700	1050	300	14	55	13900	13500
	7.00	600	660	1020	260	13	51	13900	13700
	10.00	500	500	850	425	12	41	14200	14200

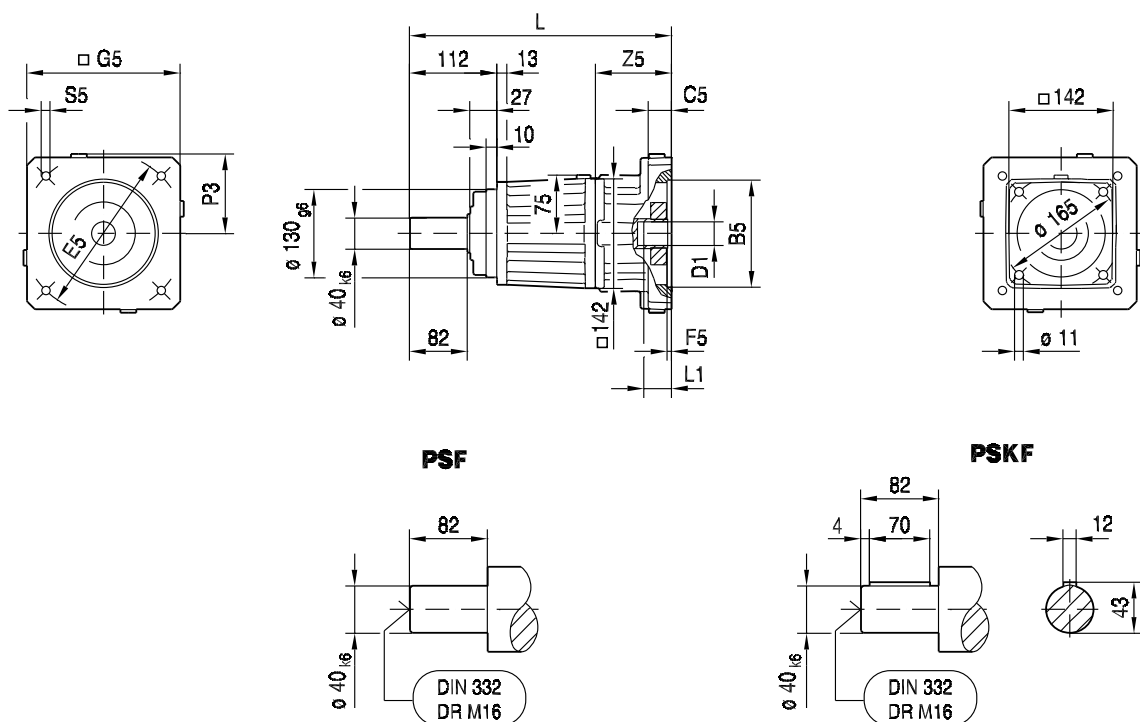
EPH		n _{epk} [1/min]	η [%]	M1;M3;M5-6			M2			M4			φ		
	i			a ₀	a ₁	a ₂	a ₀	a ₁	a ₂	a ₀	a ₁	a ₂	[°]	/R [°]	/M [°]
PSF621  1	4.00	6000	99	996	-1.152	0	1207	-1.848	0	1849	-4.743	0	4	2	1
	5.00	6000	99	1121	-1.327	0	1326	-2.063	0	1903	-4.914	0	4	2	1
	7.00	6000	99	1192	-1.511	0	1432	-2.373	0	2021	-5.353	0	4	2	1
	10.00	6000	99	1064	-1.505	0	1337	-2.426	0	1889	-5.215	0	4	2	1
PSF622  2	16.00	6000	98	1323	-3.716	0	1687	-7.193	0	1796	-8.699	0	6	3	1
	20.00	6000	98	1562	-6.428	0	1939	-11.106	0	2184	-15.605	0	6	3	1
	25.00	6000	98	1580	-6.664	0	1955	-11.342	0	2209	-15.961	0	6	3	1
	28.00	6000	98	1434	-4.471	0	1788	-8.092	0	1902	-9.706	0	6	3	1
	35.00	6000	98	1652	-7.501	0	2029	-12.358	0	2288	-17.166	0	6	3	1
	40.00	6000	98	1473	-5.229	0	1794	-8.771	0	1898	-10.358	0	6	3	1
	49.00	6000	98	2013	-11.606	0	2658	-21.472	0	2869	-26.726	0	6	3	1
	70.00	6000	98	2097	-13.821	0	2653	-23.285	0	2848	-28.435	0	6	3	1
	100.00	6000	98	2535	-22.533	0	3404	-41.310	0	3639	-47.984	0	6	3	1



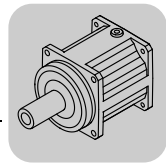
14.2.10 PS.F 621/622 EPH.. [mm]

PSF621..

57 014 00 03

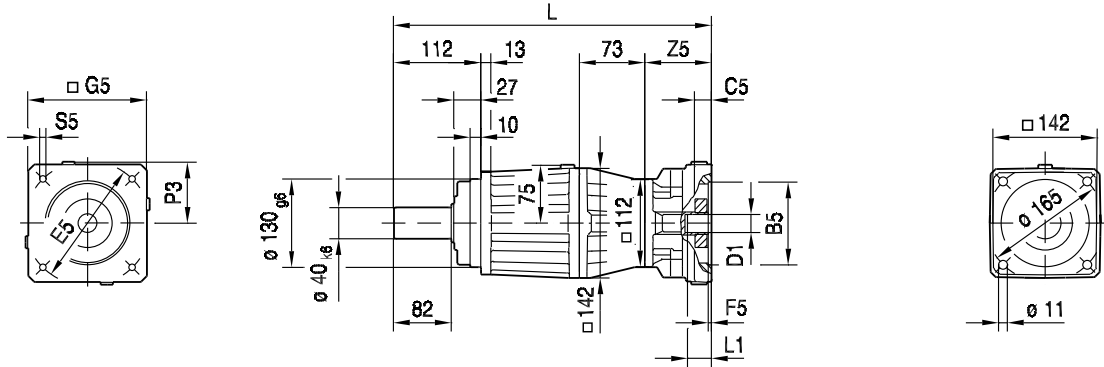


(→  144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→  537)
EPH05/14/..	302	95	16	115	4	120	M8	54	52	62	14, 16, 17, 18, 19, 24
EPH05/15/..	302	95	16	130	4	120	M8	54	52	62	14, 16, 17, 18, 19, 24
EPH05/16/..	302	110	16	130	5	120	M8	54	52	62	14, 16, 17, 18, 19, 24
EPH05/17/..	302	110	16	145	7	120	M8	54	52	62	14, 16, 17, 18, 19, 24
EPH05/18/..	302	110	20	165	5	140	M10	54	52	72	14, 16, 17, 18, 19, 24
EPH05/20/..	302	130	20	165	5	140	M10	54	52	72	14, 16, 17, 18, 19, 24
EPH05/26/..	302	110	16	130	5	115	M8	54	52	61	14, 16, 17, 18, 19, 24
EPH06/19/..	337	114.3	24	200	5	174	M12	89	82	89	35
EPH07/20/..	317	130	24	165	5	155	M10	69	62	80	22, 24, 28, 32
EPH07/21/..	317	130	24	215	5	190	M12	69	62	97	22, 24, 28, 32
EPH07/22/..	317	180	24	215	5	190	M12	69	62	97	22, 24, 28, 32
EPH07/27/..	317	130	24	165	5	137	M10	69	62	72	22, 24, 28, 32
EPH07/28/..	317	155	24	190	5	162	M10	69	62	84	22, 24, 28, 32
EPH08/21/..	342	130	24	215	5	190	M12	94	82	97	32, 35, 38
EPH08/22/..	342	180	24	215	5	190	M12	94	82	97	32, 35, 38

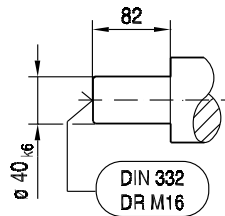


PSF622..

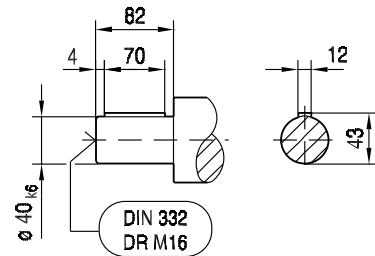
57 015 00 03^L



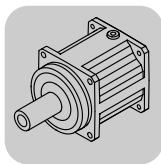
PSF



PSKF



(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH04/01/..	367	40	20	63	3.5	90	M4	46	43	47	11, 12, 14, 16, 19
EPH04/03/..	367	50	20	60	3.5	90	M4	46	41	47	11, 12, 14, 16, 19
EPH04/04/..	367	50	20	70	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/05/..	367	50	20	80	3.5	90	M4	46	41	47	11, 12, 14, 16, 19
EPH04/06/..	367	50	20	95	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/07/..	367	50	20	100	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/08/..	367	60	20	75	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/09/..	367	60	20	90	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/10/..	367	70	20	85	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/11/..	367	70	20	90	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/12/..	367	70	20	90	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/13/..	367	80	20	100	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/14/..	367	95	16	115	4	105	M8	46	41	55	11, 12, 14, 16, 19
EPH04/15/..	367	95	16	130	4	115	M8	46	41	60	11, 12, 14, 16, 19
EPH05/14/..	383	95	16	115	4	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/15/..	383	95	16	130	4	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/16/..	383	110	16	130	5	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/17/..	383	110	16	145	7	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/18/..	383	110	20	165	5	140	M10	62	52	72	14, 16, 17, 18, 19, 24
EPH05/20/..	383	130	20	165	5	140	M10	62	52	72	14, 16, 17, 18, 19, 24
EPH05/26/..	383	110	16	130	5	115	M8	62	52	61	14, 16, 17, 18, 19, 24
EPH06/19/..	418	114.3	24	200	5	174	M12	97	82	89	35
EPH07/20/..	398	130	24	165	5	155	M10	77	62	80	22, 24, 28, 32
EPH07/21/..	398	130	24	215	5	190	M12	77	62	97	22, 24, 28, 32
EPH07/22/..	398	180	24	215	5	190	M12	77	62	97	22, 24, 28, 32
EPH07/27/..	398	130	24	165	5	137	M10	77	62	72	22, 24, 28, 32
EPH07/28/..	398	155	24	190	5	162	M10	77	62	84	22, 24, 28, 32

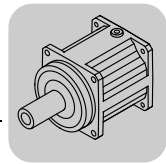

14.2.11 PS.F 721/722 EPH.. [Nm]

[Nm]		EPH M_{amax} M_{apk} $M_{aNotaus}$														
	i	04			05			06			07			08		
PSF721 1	4.00				520	520	770	950	950	1410	950	950	1410	1000	1550	1980
	5.00				650	650	960	1000	1190	1760	1000	1190	1760	1000	1540	2310
	7.00				1000	1010	1520	1000	1380	2070	1000	1380	2070	1000	1380	2070
	10.00				1000	1040	1550	1000	1040	1550	1000	1040	1550	1000	1040	1550
PSF722 2	16.00	680	680	940	1000	1470	2200	1000	1470	2200	1000	1470	2200			
	20.00	850	850	1180	1000	1540	2310	1000	1540	2310	1000	1540	2310			
	25.00	1000	1060	1480	1000	1540	2310	1000	1540	2310	1000	1540	2310			
	28.00	1000	1220	1830	1000	1350	2020	1000	1350	2020	1000	1350	2020			
	35.00	1000	1530	2290	1000	1540	2310	1000	1540	2310	1000	1540	2310			
	40.00	1000	1080	1620	1000	1080	1620	1000	1080	1620	1000	1080	1620			
	49.00	1000	1380	2070	1000	1380	2070	1000	1380	2070	1000	1380	2070			
	70.00	1000	1380	2070	1000	1380	2070	1000	1380	2070	1000	1380	2070			
	100.00	1000	1040	1550	1000	1040	1550	1000	1040	1550	1000	1040	1550			

m [kg]		EPH					
	s	04	05	06	07	08	
PSF721 	1	30	32	34	34	38	
PSF722 	2	37	39	41	41	45	

EPH04 $n_e = 1500$									
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF722 2	16.00	680	680	940	438	2.7	122	36900	36900
	20.00	850	850	1180	350	2.5	131	36200	36200
	25.00	1000	1060	1480	280	1.9	135	35900	35800
	28.00	1000	1220	1830	172	1.4	132	36400	35800
	35.00	1000	1530	2290	200	1.4	138	35900	34500
	40.00	1000	1080	1620	157	1.2	123	36400	36200
	49.00	1000	1380	2070	143	1.3	124	35900	35000
	70.00	1000	1380	2070	100	1.1	122	35900	35000
	100.00	1000	1040	1550	70	1.1	94	35900	35800

EPH05 $n_e = 1500$									
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF721 1	4.00	520	520	770	1750	15	93	25700	37100
	5.00	650	650	960	1400	10	108	27500	36500
	7.00	1000	1010	1520	378	6.8	112	30400	35900
	10.00	1000	1040	1550	345	4.7	93	33800	35800
PSF722 2	16.00	1000	1470	2200	212	4.5	139	36400	35100
	20.00	1000	1540	2310	350	4.2	142	35900	34500
	25.00	1000	1540	2310	280	3.6	141	35900	34500
	28.00	1000	1350	2020	172	3.2	135	36400	35500
	35.00	1000	1540	2310	200	3.1	139	35900	34500
	40.00	1000	1080	1620	157	2.9	123	36400	36200
	49.00	1000	1380	2070	143	3.0	125	35900	35000
	70.00	1000	1380	2070	100	2.8	122	35900	35000
	100.00	1000	1040	1550	70	2.8	94	35900	35800

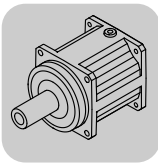
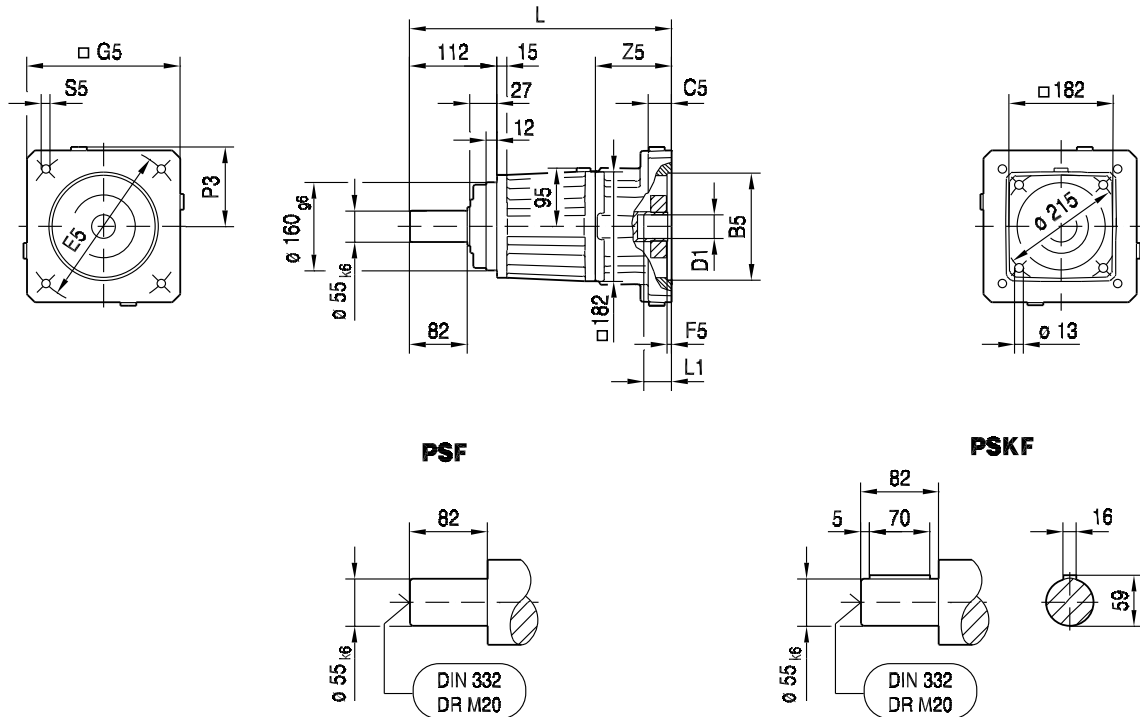


EPH06 n _e = 1500							c _T PSF [Nm/°]	F _{Ramax} PSF [N]	F _{Rapk} PSF [N]
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]			
PSF721  1	4.00	950	950	1410	555	18	121	25700	36500
	5.00	1000	1190	1760	430	14	130	27500	35500
	7.00	1000	1380	2070	378	9.9	124	30400	35000
	10.00	1000	1040	1550	345	7.5	94	33800	35800
PSF722  2	16.00	1000	1470	2200	212	7.4	140	36400	35100
	20.00	1000	1540	2310	350	7.1	142	35900	34500
	25.00	1000	1540	2310	280	6.5	141	35900	34500
	28.00	1000	1350	2020	172	6.1	136	36400	35500
	35.00	1000	1540	2310	200	6.0	140	35900	34500
	40.00	1000	1080	1620	157	5.7	123	36400	36200
	49.00	1000	1380	2070	143	5.9	125	35900	35000
	70.00	1000	1380	2070	100	5.6	122	35900	35000
	100.00	1000	1040	1550	70	5.6	94	35900	35800

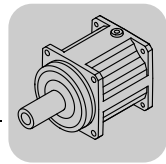
EPH07 n _e = 1500							c _T PSF [Nm/°]	F _{Ramax} PSF [N]	F _{Rapk} PSF [N]
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]			
PSF721 	4.00	950	950	1410	555	18	121	25700	36500
	5.00	1000	1190	1760	430	14	130	27500	35500
	7.00	1000	1380	2070	378	10.0	124	30400	35000
	10.00	1000	1040	1550	345	7.7	95	33800	35800
PSF722 	16.00	1000	1470	2200	212	7.5	140	36400	35100
	20.00	1000	1540	2310	350	7.2	143	35900	34500
	25.00	1000	1540	2310	280	6.6	141	35900	34500
	28.00	1000	1350	2020	172	6.2	136	36400	35500
	35.00	1000	1540	2310	200	6.1	140	35900	34500
	40.00	1000	1080	1620	157	5.8	123	36400	36200
	49.00	1000	1380	2070	143	6.0	125	35900	35000
	70.00	1000	1380	2070	100	5.7	122	35900	35000
	100.00	1000	1040	1550	70	5.7	94	35900	35800

EPH08 n _e = 1500							c _T PSF [Nm/°]	F _{Ramax} PSF [N]	F _{Rapk} PSF [N]
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]			
 1	4.00	1000	1550	1980	465	24	130	25700	34800
	5.00	1000	1540	2310	430	19	136	27500	34500
	7.00	1000	1380	2070	378	16	127	30400	35000
	10.00	1000	1040	1550	345	14	95	33800	35800

EPH		n _{epk} [1/min]	η [%]	M1;M3;M5-6			M2			M4			φ			
	i			a ₀	a ₁	a ₂	a ₀	a ₁	a ₂	a ₀	a ₁	a ₂	[°]	/R [°]	/M [°]	
PSF721 	1	4.00	4500	99	1524	-1.947	0	2117	-3.799	0	3501	-10.340	0	4	2	1
		5.00	4500	99	1594	-2.053	0	2210	-3.979	0	3511	-10.393	0	4	2	1
		7.00	4500	99	1950	-2.602	0	2579	-4.792	0	3728	-11.195	0	4	2	1
		10.00	4500	99	1972	-2.804	0	2542	-4.959	0	3526	-10.834	0	4	2	1
PSF722 		16.00	6000	98	1703	-4.528	0	2233	-8.655	0	2524	-11.916	0	6	3	1
		20.00	6000	98	1981	-6.022	0	2615	-11.892	0	2899	-15.452	0	6	3	1
		25.00	6000	98	2110	-6.545	0	2699	-12.379	0	2947	-15.840	0	6	3	1
		28.00	6000	98	2095	-6.037	0	2524	-10.259	0	2785	-13.668	0	6	3	1
		35.00	6000	98	2491	-8.271	0	2997	-14.334	0	3228	-17.969	0	6	3	1
		40.00	6000	98	2030	-6.487	0	2431	-10.532	0	2677	-13.820	0	6	3	1
		49.00	6000	98	2840	-12.118	0	3661	-23.086	0	3907	-27.349	0	6	3	1
		70.00	6000	98	2907	-14.090	0	3637	-24.695	0	3841	-28.698	0	6	3	1
		100.00	6000	98	3316	-21.875	0	4422	-41.392	0	4631	-46.160	0	6	3	1

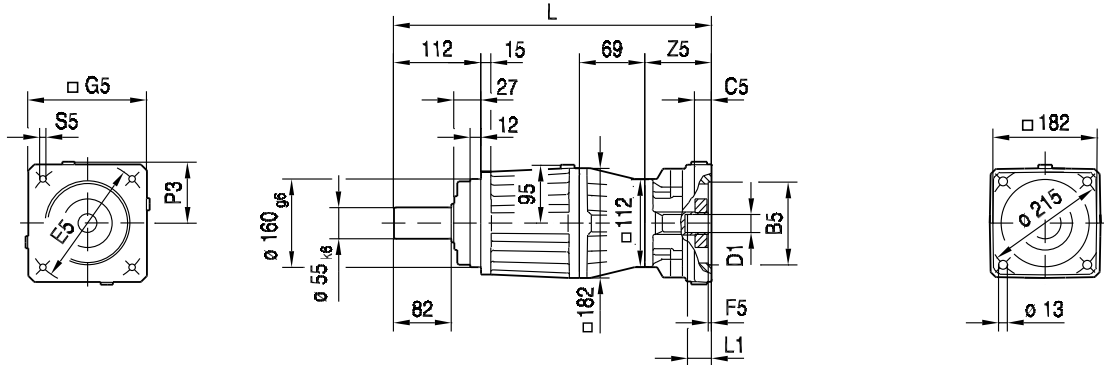

14.2.12 PS.F 721/722 EPH.. [mm]
PSF721..
57 016 00 03

PSF
PSKF

(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH05/14/..	324	95	16	115	4	120	M8	50	56	62	14, 16, 17, 18, 19, 24
EPH05/15/..	324	95	16	130	4	120	M8	50	56	62	14, 16, 17, 18, 19, 24
EPH05/16/..	324	110	16	130	5	120	M8	50	56	62	14, 16, 17, 18, 19, 24
EPH05/17/..	324	110	16	145	7	120	M8	50	56	62	14, 16, 17, 18, 19, 24
EPH05/18/..	324	110	20	165	5	140	M10	50	56	72	14, 16, 17, 18, 19, 24
EPH05/20/..	324	130	20	165	5	140	M10	50	56	72	14, 16, 17, 18, 19, 24
EPH05/26/..	324	110	16	130	5	115	M8	50	56	61	14, 16, 17, 18, 19, 24
EPH06/19/..	359	114.3	24	200	5	174	M12	85	82	89	35
EPH07/20/..	339	130	24	165	5	155	M10	65	66	80	22, 24, 28, 32
EPH07/21/..	339	130	24	215	5	190	M12	65	66	97	22, 24, 28, 32
EPH07/22/..	339	180	24	215	5	190	M12	65	66	97	22, 24, 28, 32
EPH07/27/..	339	130	24	165	5	137	M10	65	66	72	22, 24, 28, 32
EPH07/28/..	339	155	24	190	5	162	M10	65	66	84	22, 24, 28, 32
EPH08/21/..	364	130	24	215	5	190	M12	90	82	97	32, 35, 38
EPH08/22/..	364	180	24	215	5	190	M12	90	82	97	32, 35, 38

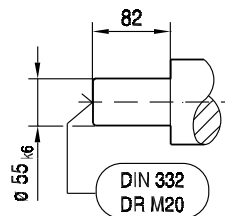


PSF722..

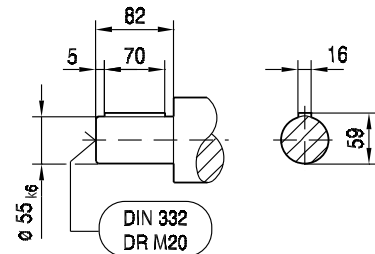
57 017 00 03^L



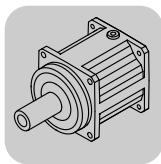
PSF



PSKF



(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH04/01/..	389	40	20	63	3.5	90	M4	46	43	47	11, 12, 14, 16, 19
EPH04/03/..	389	50	20	60	3.5	90	M4	46	41	47	11, 12, 14, 16, 19
EPH04/04/..	389	50	20	70	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/05/..	389	50	20	80	3.5	90	M4	46	41	47	11, 12, 14, 16, 19
EPH04/06/..	389	50	20	95	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/07/..	389	50	20	100	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/08/..	389	60	20	75	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/09/..	389	60	20	90	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/10/..	389	70	20	85	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/11/..	389	70	20	90	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/12/..	389	70	20	90	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/13/..	389	80	20	100	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/14/..	389	95	16	115	4	105	M8	46	41	55	11, 12, 14, 16, 19
EPH04/15/..	389	95	16	130	4	115	M8	46	41	60	11, 12, 14, 16, 19
EPH05/14/..	405	95	16	115	4	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/15/..	405	95	16	130	4	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/16/..	405	110	16	130	5	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/17/..	405	110	16	145	7	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/18/..	405	110	20	165	5	140	M10	62	52	72	14, 16, 17, 18, 19, 24
EPH05/20/..	405	130	20	165	5	140	M10	62	52	72	14, 16, 17, 18, 19, 24
EPH05/26/..	405	110	16	130	5	115	M8	62	52	61	14, 16, 17, 18, 19, 24
EPH06/19/..	440	114.3	24	200	5	174	M12	97	82	89	35
EPH07/20/..	420	130	24	165	5	155	M10	77	62	80	22, 24, 28, 32
EPH07/21/..	420	130	24	215	5	190	M12	77	62	97	22, 24, 28, 32
EPH07/22/..	420	180	24	215	5	190	M12	77	62	97	22, 24, 28, 32
EPH07/27/..	420	130	24	165	5	137	M10	77	62	72	22, 24, 28, 32
EPH07/28/..	420	155	24	190	5	162	M10	77	62	84	22, 24, 28, 32

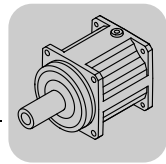

14.2.13 PS.F 821/822 EPH.. [Nm]

[Nm]		EPH M _{amax} M _{apk} M _{aNotaus}																				
		i			05			06			07			08			09			10		
 PSF821 1	4.00															1750	2330	2330	1750	2500	3750	
	5.00																1750	2500	2660	1750	2500	3750
	7.00																1750	2740	3720	1750	2740	4110
	10.00																1750	2060	3090	1750	2060	3090
 PSF822 2	16.00	1750	2080	3090	1750	2500	3750	1750	2500	3750	1750	2500	3750									
	20.00	1750	2500	3750	1750	2500	3750	1750	2500	3750	1750	2500	3750									
	25.00	1750	2500	3750	1750	2500	3750	1750	2500	3750	1750	2500	3750									
	28.00	1750	2500	3750	1750	2500	3750	1750	2500	3750	1750	2500	3750									
	35.00	1750	2500	3750	1750	2500	3750	1750	2500	3750	1750	2500	3750									
	40.00	1750	2000	3000	1750	2000	3000	1750	2000	3000	1750	2000	3000									
	49.00	1750	2740	4110	1750	2740	4110	1750	2740	4110	1750	2740	4110									
	70.00	1750	2740	4110	1750	2740	4110	1750	2740	4110	1750	2740	4110									
	100.00	1750	2060	3090	1750	2060	3090	1750	2060	3090	1750	2060	3090									

m [kg]		EPH						
s		05	06	07	08	09	10	
PSF821 	1	44	46	46	50	58	61	
PSF822 	2	58	59	59	63	72	74	

EPH05 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/']	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF822 	i								
	16.00	1750	2080	3090	228	8.8	364	51400	62300
	20.00	1750	2500	3750	290	7.8	386	54900	61700
	25.00	1750	2500	3750	280	6.0	391	58700	61700
	28.00	1750	2500	3750	185	4.7	373	60700	61700
	35.00	1750	2500	3750	200	4.3	389	62800	61700
	40.00	1750	2000	3000	168	3.6	335	62800	62500
	49.00	1750	2740	4110	143	4.1	375	62800	61200
	70.00	1750	2740	4110	100	3.3	364	62800	61200
	100.00	1750	2060	3090	70	3.2	295	62800	62400

EPH06 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/']	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF822 	i								
	16.00	1750	2500	3750	228	12	388	51400	61700
	20.00	1750	2500	3750	290	11	399	54900	61700
	25.00	1750	2500	3750	280	9.1	400	58700	61700
	28.00	1750	2500	3750	185	7.5	375	60700	61700
	35.00	1750	2500	3750	200	7.2	390	62800	61700
	40.00	1750	2000	3000	168	6.5	336	62800	62500
	49.00	1750	2740	4110	143	6.9	376	62800	61200
	70.00	1750	2740	4110	100	6.2	364	62800	61200
	100.00	1750	2060	3090	70	6.1	295	62800	62400



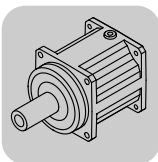
EPH07 n _e = 1500							c _T PSF	F _{Ramax} PSF	F _{Rapk} PSF
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]	[Nm/']	[N]	[N]
PSF822  2	16.00	1750	2500	3750	228	12	388	51400	61700
	20.00	1750	2500	3750	290	11	399	54900	61700
	25.00	1750	2500	3750	280	9.2	400	58700	61700
	28.00	1750	2500	3750	185	7.6	376	60700	61700
	35.00	1750	2500	3750	200	7.3	391	62800	61700
	40.00	1750	2000	3000	168	6.6	336	62800	62500
	49.00	1750	2740	4110	143	7.0	376	62800	61200
	70.00	1750	2740	4110	100	6.3	364	62800	61200
	100.00	1750	2060	3090	70	6.2	295	62800	62400

EPH08 n _e = 1500							c _T PSF [Nm/°]	F _{Ramax} PSF [N]	F _{Rapk} PSF [N]
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]			
PSF822  2	16.00	1750	2500	3750	228	18	392	51400	61700
	20.00	1750	2500	3750	290	17	402	54900	61700
	25.00	1750	2500	3750	280	15	402	58700	61700
	28.00	1750	2500	3750	185	14	377	60700	61700
	35.00	1750	2500	3750	200	13	392	62800	61700
	40.00	1750	2000	3000	168	12	337	62800	62500
	49.00	1750	2740	4110	143	13	377	62800	61200
	70.00	1750	2740	4110	100	12	364	62800	61200
	100.00	1750	2060	3090	70	12	295	62800	62400

EPH09 n _e = 1500							c _T PSF [Nm/°]	F _{Ramax} PSF [N]	F _{Rapk} PSF [N]
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]			
PSF821  1	4.00	1750	2330	2330	314	68	345	33900	62000
	5.00	1750	2500	2660	290	52	372	36200	61700
	7.00	1750	2740	3720	255	37	364	40100	61200
	10.00	1750	2060	3090	233	29	293	44600	62400

EPH10 n _e = 1500							c _T PSF [Nm/°]	F _{Ramax} PSF [N]	F _{Rapk} PSF [N]
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]			
PSF821  1	4.00	1750	2500	3750	314	92	385	33900	61700
	5.00	1750	2500	3750	290	76	398	36200	61700
	7.00	1750	2740	4110	255	61	378	40100	61200
	10.00	1750	2060	3090	233	52	298	44600	62400

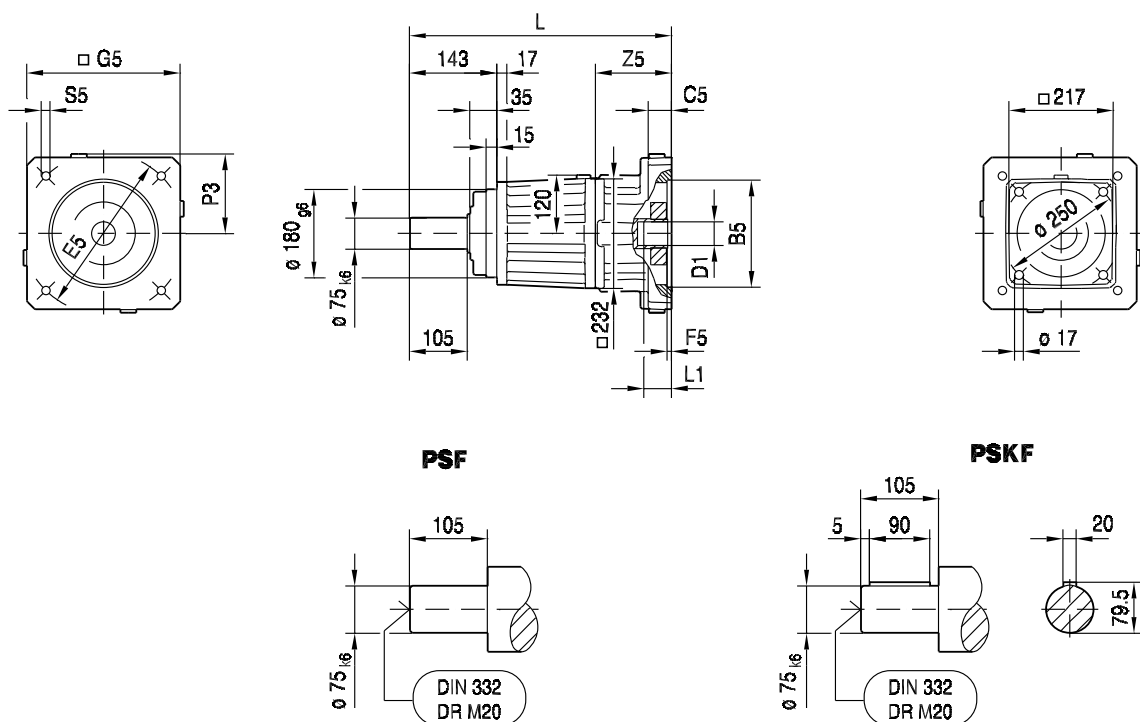
EPH		n _{epk} [1/min]	η [%]	M1;M3;M5-6			M2			M4			φ		
	i			a ₀	a ₁	a ₂	a ₀	a ₁	a ₂	a ₀	a ₁	a ₂	[°]	/R [°]	/M [°]
PSF821  1	4.00	4500	99	4217	-7.425	0	5191	-12.252	0	6721	-23.969	0	4	2	1
	5.00	4500	99	4471	-8.247	0	5349	-12.863	0	6853	-24.727	0	4	2	1
	7.00	4500	99	5039	-10.347	0	5819	-14.853	0	7333	-27.386	0	4	2	1
	10.00	4500	99	4719	-11.159	0	5315	-14.717	0	6753	-26.550	0	4	2	1
PSF822  2	16.00	6000	98	3568	-10.880	0	4345	-19.243	0	4794	-25.988	0	6	3	1
	20.00	6000	98	4416	-21.396	0	5069	-31.290	0	6192	-54.460	0	6	3	1
	25.00	6000	98	4450	-21.888	0	5106	-31.768	0	6237	-55.183	0	6	3	1
	28.00	6000	98	3995	-13.025	0	4743	-21.874	0	5208	-29.194	0	6	3	1
	35.00	6000	98	4592	-23.660	0	5266	-33.916	0	6431	-58.264	0	6	3	1
	40.00	6000	98	3702	-13.189	0	4456	-21.708	0	4902	-28.696	0	6	3	1
	49.00	6000	98	5417	-33.382	0	6507	-53.318	0	7429	-77.782	0	6	3	1
	70.00	6000	98	5506	-37.270	0	6516	-56.809	0	7406	-81.296	0	6	3	1
	100.00	6000	98	6006	-52.245	0	7651	-89.531	0	8327	-113.9	0	6	3	1



14.2.14 PS.F 821/822 EPH.. [mm]

PSF821..

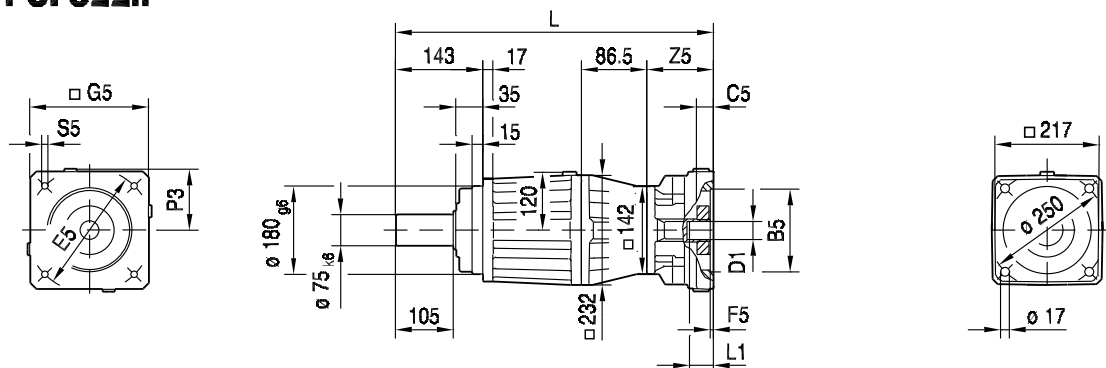
57 018 00 03



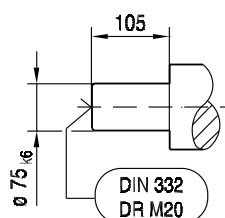
(→  144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→  537)
EPH09/22/..	423	180	36	215	5	190	M12	99	85	97	32, 35, 38, 42
EPH09/23/..	453	230	30	265	5	240	M12	129	115	122	32, 35, 38, 42
EPH09/24/..	453	250	30	300	6	260	M16	129	115	132	32, 35, 38, 42
EPH09/25/..	453	300	30	350	6	310	M16	129	115	132	32, 35, 38, 42
EPH10/22/..	447	180	30	215	6	190	M12	123	85	132	48, 55
EPH10/23/..	447	230	30	265	6	240	M12	123	115	132	48, 55
EPH10/24/..	453	250	30	300	6	260	M16	129	115	132	48, 55
EPH10/25/..	453	300	30	350	6	310	M16	129	115	157	48, 55

PSF822..

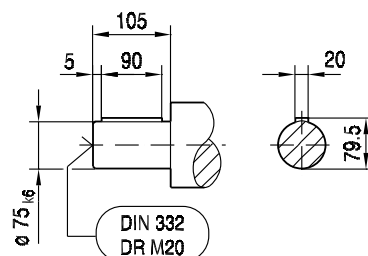
57 019 00 03



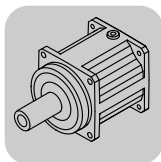
PSF



PSKF



(→  144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→  537)
EPH05/14/..	465	95	16	115	4	120	M8	54	52	62	14, 16, 17, 18, 19, 24
EPH05/15/..	465	95	16	130	4	120	M8	54	52	62	14, 16, 17, 18, 19, 24
EPH05/16/..	465	110	16	130	5	120	M8	54	52	62	14, 16, 17, 18, 19, 24
EPH05/17/..	465	110	16	145	7	120	M8	54	52	62	14, 16, 17, 18, 19, 24
EPH05/18/..	465	110	20	165	5	140	M10	54	52	72	14, 16, 17, 18, 19, 24
EPH05/20/..	465	130	20	165	5	140	M10	54	52	72	14, 16, 17, 18, 19, 24
EPH05/26/..	465	110	16	130	5	115	M8	54	52	61	14, 16, 17, 18, 19, 24
EPH06/19/..	500	114.3	24	200	5	174	M12	89	82	89	35
EPH07/20/..	480	130	24	165	5	155	M10	69	62	80	22, 24, 28, 32
EPH07/21/..	480	130	24	215	5	190	M12	69	62	97	22, 24, 28, 32
EPH07/22/..	480	180	24	215	5	190	M12	69	62	97	22, 24, 28, 32
EPH07/27/..	480	130	24	165	5	137	M10	69	62	72	22, 24, 28, 32
EPH07/28/..	480	155	24	190	5	162	M10	69	62	84	22, 24, 28, 32
EPH08/21/..	505	130	24	215	5	190	M12	94	82	97	32, 35, 38
EPH08/22/..	505	180	24	215	5	190	M12	94	82	97	32, 35, 38

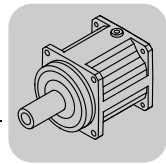

14.2.15 PS.F 921/922 EPH.. [Nm]

[Nm]		EPH																	
		M _{amax} M _{apk} M _{aNotaus}																	
	i	05			06			07			08			09			10		
 PSF921 1	4.00																3000	4200	6230
	5.00																3000	4200	6300
	7.00													3000	4080	4080	3000	4200	6300
	10.00													3000	3230	4840	3000	3230	4840
 PSF922 2	16.00	2080	2080	3090	3000	3800	5650	3000	3800	5640	3000	4150	6230						
	20.00	2600	2600	3860	3000	4200	6300	3000	4200	6300	3000	4200	6300						
	25.00	3000	3250	4830	3000	4200	6300	3000	4200	6300	3000	4200	6300						
	28.00	3000	4060	6090	3000	4200	6230	3000	4200	6230	3000	4200	6230						
	35.00	3000	4200	6300	3000	4200	6300	3000	4200	6300	3000	4200	6300						
	40.00	3000	4150	6230	3000	4150	6230	3000	4150	6230	3000	4150	6230						
	49.00	3000	3310	4960	3000	3310	4960	3000	3310	4960	3000	3310	4960						
	70.00	3000	4200	6300	3000	4200	6300	3000	4200	6300	3000	4200	6300						
	100.00	3000	3230	4840	3000	3230	4840	3000	3230	4840	3000	3230	4840						

m [kg]		EPH							
	s	05	06	07	08	09	10		
PSF921 	1	60	61	62	65	73	76		
PSF922 	2	80	82	82	86	94	96		

EPH05 $n_e = 1500$									
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF922 2	16.00	2080	2080	3090	438	17	454	55000	84200
	20.00	2600	2600	3860	350	16	484	58800	83700
	25.00	3000	3250	4830	247	11	501	62800	83000
	28.00	3000	4060	6090	247	7.6	494	65000	81900
	35.00	3000	4200	6300	200	7.1	511	69500	81600
	40.00	3000	4150	6230	175	5.1	468	72300	81700
	49.00	3000	3310	4960	143	6.5	486	76900	82900
	70.00	3000	4200	6300	100	4.6	485	83300	81600
	100.00	3000	3230	4840	70	4.4	405	83300	83000

EPH06 $n_e = 1500$									
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSF [Nm/°]	F_{Ramax} PSF [N]	F_{Rapk} PSF [N]
PSF922 2	16.00	3000	3800	5650	269	20	502	55000	82300
	20.00	3000	4200	6300	248	19	519	58800	81600
	25.00	3000	4200	6300	247	14	522	62800	81600
	28.00	3000	4200	6230	247	11	505	65000	81600
	35.00	3000	4200	6300	200	10	519	69500	81600
	40.00	3000	4150	6230	175	8.0	469	72300	81700
	49.00	3000	3310	4960	143	9.6	492	76900	82900
	70.00	3000	4200	6300	100	7.4	484	83300	81600
	100.00	3000	3230	4840	70	7.3	405	83300	83000



EPH07 n _e = 1500							c _T PSF	F _{Ramax} PSF	F _{Rapk} PSF
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]	[Nm/°]	[N]	[N]
PSF922  2	16.00	3000	3800	5640	269	21	502	55000	82300
	20.00	3000	4200	6300	248	19	519	58800	81600
	25.00	3000	4200	6300	247	14	522	62800	81600
	28.00	3000	4200	6230	247	11	505	65000	81600
	35.00	3000	4200	6300	200	10	519	69500	81600
	40.00	3000	4150	6230	175	8.1	471	72300	81700
	49.00	3000	3310	4960	143	9.8	492	76900	82900
	70.00	3000	4200	6300	100	7.5	486	83300	81600
	100.00	3000	3230	4840	70	7.4	406	83300	83000

EPH08 n _e = 1500							c _T PSF [Nm/°]	F _{Ramax} PSF [N]	F _{Rapk} PSF [N]
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]			
PSF922  2	16.00	3000	4150	6230	269	27	518	55000	81700
	20.00	3000	4200	6300	248	25	528	58800	81600
	25.00	3000	4200	6300	247	21	528	62800	81600
	28.00	3000	4200	6230	247	17	508	65000	81600
	35.00	3000	4200	6300	200	16	521	69500	81600
	40.00	3000	4150	6230	175	14	471	72300	81700
	49.00	3000	3310	4960	143	16	492	76900	82900
	70.00	3000	4200	6300	100	13	486	83300	81600
100.00	3000	3230	4840	70	13	406	83300	83000	

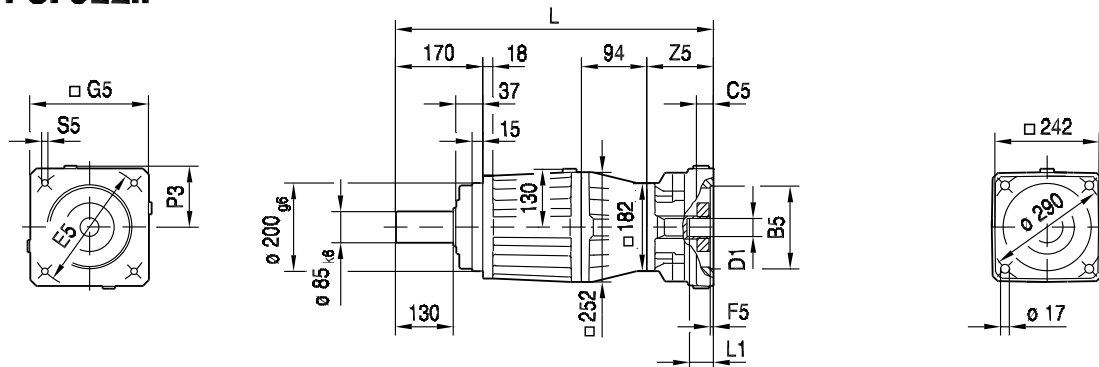
EPH09 n _e = 1500							c _T PSF [Nm/°]	F _{Ramax} PSF [N]	F _{Rapk} PSF [N]
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]			
PSF921	7.00	3000	4080	4080	218	53	467	42900	81800
 1	10.00	3000	3230	4840	199	36	399	47700	83000

EPH10 n _e = 1500							c _T PSF [Nm/°]	F _{Ramax} PSF [N]	F _{Rapk} PSF [N]
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]			
PSF921  1	4.00	3000	4200	6230	270	132	480	36300	81600
	5.00	3000	4200	6300	248	102	503	38800	81600
	7.00	3000	4200	6300	218	77	490	42900	81600
	10.00	3000	3230	4840	199	60	406	47700	83000

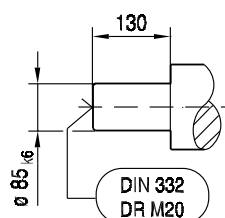
EPH		n _{epk} [1/min]	η [%]	M1;M3;M5-6			M2			M4			φ		
	i			a ₀	a ₁	a ₂	a ₀	a ₁	a ₂	a ₀	a ₁	a ₂	[°]	/R [°]	/M [°]
PSF921  1	4.00	4500	99	9165	-29.587	0	9784	-35.216	0	11056	-49.413	0	4	2	1
	5.00	4500	99	8486	-24.118	0	9185	-29.905	0	10599	-44.485	0	4	2	1
	7.00	4500	99	8258	-21.645	0	9107	-28.075	0	10744	-43.844	0	4	2	1
	10.00	4500	99	7237	-18.956	0	8101	-25.125	0	9728	-40.131	0	4	2	1
PSF922  2	16.00	4500	98	5759	-25.215	0	7084	-42.528	0	7589	-51.714	0	6	3	1
	20.00	4500	98	6227	-28.168	0	7969	-53.374	0	8324	-61.945	0	6	3	1
	25.00	4500	98	6514	-29.555	0	8216	-55.100	0	8600	-64.118	0	6	3	1
	28.00	4500	98	6902	-31.033	0	8120	-49.734	0	8638	-59.933	0	6	3	1
	35.00	4500	98	7223	-33.707	0	8865	-60.700	0	9286	-70.544	0	6	3	1
	40.00	4500	98	6839	-32.069	0	8005	-50.503	0	8504	-60.571	0	6	3	1
	49.00	4500	98	7867	-44.242	0	10602	-93.334	0	10921	-103.7	0	6	3	1
	70.00	4500	98	8301	-49.818	0	10735	-98.071	0	11043	-108.5	0	6	3	1
	100.00	4500	98	9298	-74.207	0	12973	-162.3	0	13196	-173.6	0	6	3	1

PSF922..

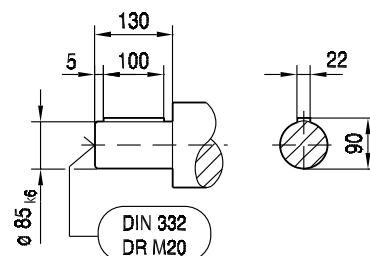
57 021 00 03



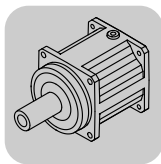
PSF



PSKF



(→  144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→  537)
EPH05/14/..	515	95	16	115	4	120	M8	50	56	62	14, 16, 17, 18, 19, 24
EPH05/15/..	515	95	16	130	4	120	M8	50	56	62	14, 16, 17, 18, 19, 24
EPH05/16/..	515	110	16	130	5	120	M8	50	56	62	14, 16, 17, 18, 19, 24
EPH05/17/..	515	110	16	145	7	120	M8	50	56	62	14, 16, 17, 18, 19, 24
EPH05/18/..	515	110	20	165	5	140	M10	50	56	72	14, 16, 17, 18, 19, 24
EPH05/20/..	515	130	20	165	5	140	M10	50	56	72	14, 16, 17, 18, 19, 24
EPH05/26/..	515	110	16	130	5	115	M8	50	56	61	14, 16, 17, 18, 19, 24
EPH06/19/..	550	114.3	24	200	5	174	M12	85	82	89	35
EPH07/20/..	530	130	24	165	5	155	M10	65	66	80	22, 24, 28, 32
EPH07/21/..	530	130	24	215	5	190	M12	65	66	97	22, 24, 28, 32
EPH07/22/..	530	180	24	215	5	190	M12	65	66	97	22, 24, 28, 32
EPH07/27/..	530	130	24	165	5	137	M10	65	66	72	22, 24, 28, 32
EPH07/28/..	530	155	24	190	5	162	M10	65	66	84	22, 24, 28, 32
EPH08/21/..	555	130	24	215	5	190	M12	90	82	97	32, 35, 38
EPH08/22/..	555	180	24	215	5	190	M12	90	82	97	32, 35, 38


14.2.17 PSBF 221/222 EPH.. [Nm]

[Nm]		EPH M_{amax} M_{apk} $M_{aNotaus}$											
		01			02			03			04		
PSBF221 1	5.00	38	38	56	55	80	120	55	80	120	55	80	120
	7.00	53	53	79	55	85	127	55	85	127	55	85	127
	10.00	55	62	93	55	62	93	55	62	93	55	62	93
PSBF222 2	20.00	55	80	120	55	80	120						
	25.00	55	80	120	55	80	120						
	35.00	55	80	120	55	80	120						
	49.00	55	85	127	55	85	127						
	70.00	55	85	127	55	85	127						
	100.00	55	62	93	55	62	93						

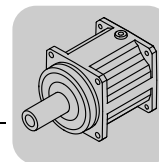
m [kg]		EPH											
	s	01			02			03			04		
PSBF221	1	2.2			2.2			2.5			2.6		
PSBF222	2	2.8			2.8			3.1			3.2		

EPH01 $n_e = 1500$											
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSBF [Nm/°]	F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]		
PSBF221 1	5.00	38	38	56	1400	0.29	8.4	1530	5000		
	7.00	53	53	79	525	0.24	10.0	1720	5000		
	10.00	55	62	93	420	0.22	8.5	1930	5000		
PSBF222 2	20.00	55	80	120	350	0.23	15	2430	5000		
	25.00	55	80	120	280	0.22	16	2620	5000		
	35.00	55	80	120	200	0.21	16	2930	5000		
	49.00	55	85	127	143	0.21	14	3280	5000		
	70.00	55	85	127	100	0.20	14	3700	5000		
	100.00	55	62	93	70	0.20	8.4	4160	5000		

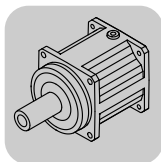
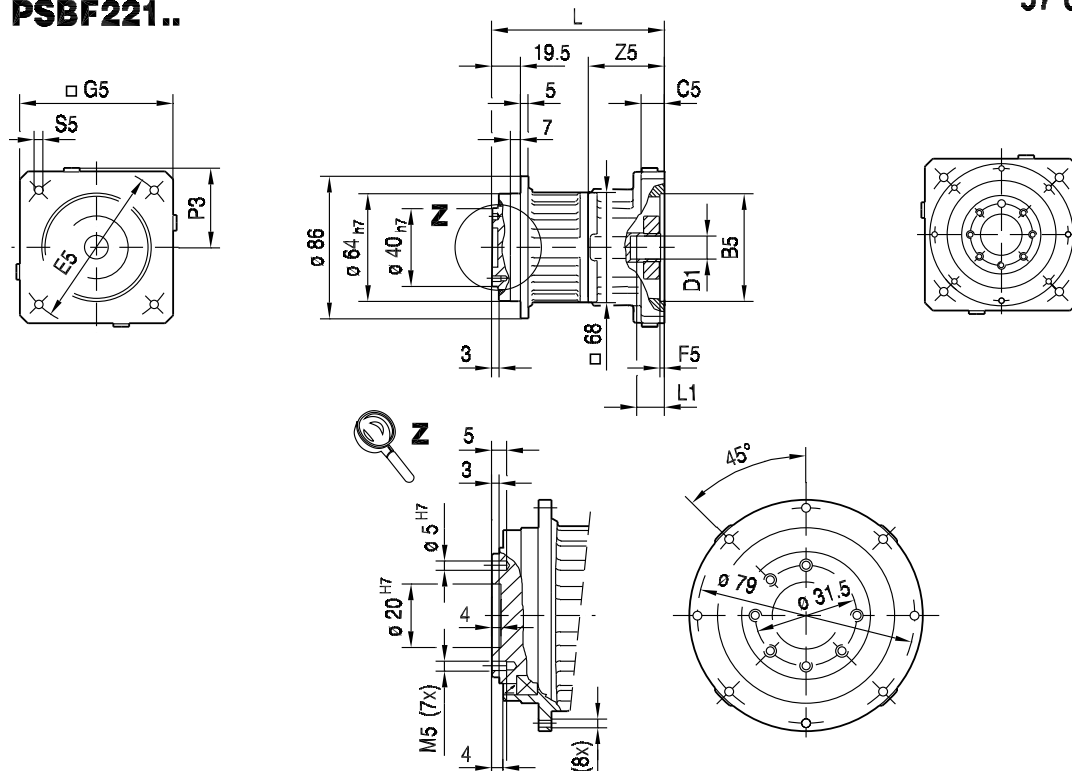
EPH02 $n_e = 1500$											
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSBF [Nm/°]	F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]		
PSBF221 1	5.00	55	80	120	530	0.59	14	1530	5000		
	7.00	55	85	127	465	0.55	14	1720	5000		
	10.00	55	62	93	420	0.52	8.6	1930	5000		
PSBF222 2	20.00	55	80	120	350	0.54	16	2430	5000		
	25.00	55	80	120	280	0.52	16	2620	5000		
	35.00	55	80	120	200	0.51	16	2930	5000		
	49.00	55	85	127	143	0.51	14	3280	5000		
	70.00	55	85	127	100	0.50	14	3700	5000		
	100.00	55	62	93	70	0.50	8.4	4160	5000		

EPH03 $n_e = 1500$											
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSBF [Nm/°]	F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]		
PSBF221 1	5.00	55	80	120	530	0.66	14	1530	5000		
	7.00	55	85	127	465	0.62	14	1720	5000		
	10.00	55	62	93	420	0.60	8.6	1930	5000		

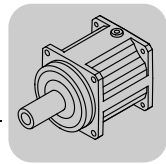
EPH04 $n_e = 1500$											
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSBF [Nm/°]	F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]		
PSBF221 1	5.00	55	80	120	530	0.84	17	1530	5000		
	7.00	55	85	127	465	0.80	15	1720	5000		
	10.00	55	62	93	420	0.77	8.6	1930	5000		



EPH		n _{epk} [1/min]	η [%]	M1;M3;M5-6			M2			M4			φ		
	i			a ₀	a ₁	a ₂	a ₀	a ₁	a ₂	a ₀	a ₁	a ₂	[°]	/R [°]	/M [°]
PSBF221  1	5.00	7500	99	144.0	-0.111	0	185.0	-0.191	0	217	-0.273	0	6	3	1
	7.00	7500	99	163.0	-0.139	0	201	-0.223	0	196.0	-0.260	0	6	3	1
	10.00	7500	99	170.0	-0.168	0	196.0	-0.241	0	186.0	-0.269	0	6	3	1
PSBF222  2	20.00	8000	98	220	-0.515	0	292	-0.999	0	306	-1.121	0	8	4	2
	25.00	8000	98	227	-0.574	0	297	-1.061	0	311	-1.186	0	8	4	2
	35.00	8000	98	250	-0.746	0	317	-1.259	0	331	-1.392	0	8	4	2
	49.00	8000	98	328	-1.326	0	424	-2.293	0	438	-2.458	0	8	4	2
	70.00	8000	98	367	-1.879	0	449	-2.844	0	461	-3.013	0	8	4	2
	100.00	8000	98	470	-3.376	0	585	-5.223	0	597	-5.440	0	8	4	2

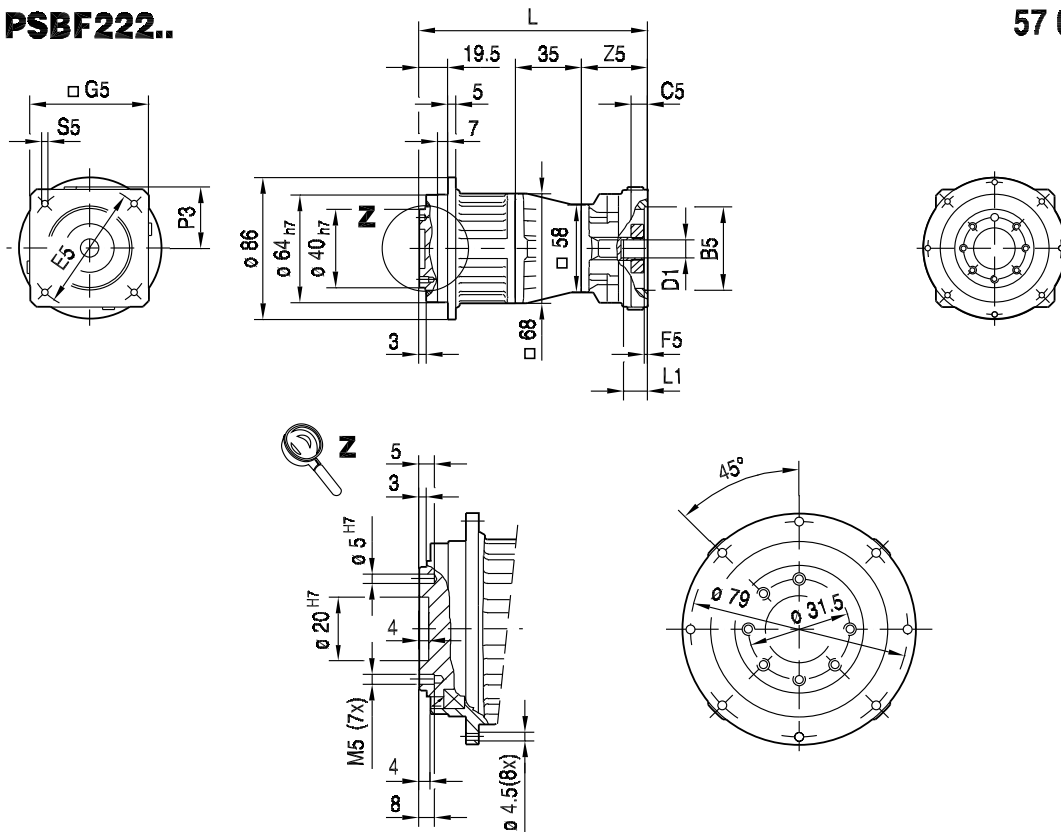

14.2.18 PSBF 221/222 EPH.. [mm]
PSBF221..
57 022 00 03^L


(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH01/01/..	98	40	13	63	4	73	M4	38	33	39	9, 11
EPH01/03/..	98	50	13	60	4	73	M4	38	33	39	9, 11
EPH02/04/..	98	50	13	70	4	73	M5	38	34	39	8, 9, 10, 11, 12, 14
EPH02/05/..	98	50	13	80	4	73	M4	38	34	39	8, 9, 10, 11, 12, 14
EPH02/08/..	98	60	13	75	4	73	M5	38	34	39	8, 9, 10, 11, 12, 14
EPH03/01/..	106	40	20	63	3.5	90	M4	47	38	47	8, 9, 10, 11, 12, 14
EPH03/03/..	106	50	20	60	3.5	90	M4	47	30	47	8, 9, 10, 11, 12, 14
EPH03/04/..	106	50	20	70	3.5	90	M5	47	30	47	8, 9, 10, 11, 12, 14
EPH03/05/..	106	50	20	80	3.5	90	M4	47	30	47	8, 9, 10, 11, 12, 14
EPH03/06/..	106	50	20	95	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/07/..	106	50	20	100	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/08/..	106	60	20	75	3.5	90	M5	47	30	47	8, 9, 10, 11, 12, 14
EPH03/09/..	106	60	20	90	3.5	90	M5	47	30	47	8, 9, 10, 11, 12, 14
EPH03/10/..	106	70	20	85	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/11/..	106	70	20	90	3.5	90	M5	47	30	47	8, 9, 10, 11, 12, 14
EPH03/12/..	106	70	20	90	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/13/..	106	80	20	100	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/14/..	106	95	16	115	4	105	M8	47	30	55	8, 9, 10, 11, 12, 14
EPH04/01/..	116	40	20	63	3.5	90	M4	56	43	47	11, 12, 14, 16, 19
EPH04/03/..	116	50	20	60	3.5	90	M4	56	41	47	11, 12, 14, 16, 19
EPH04/04/..	116	50	20	70	3.5	90	M5	56	41	47	11, 12, 14, 16, 19
EPH04/05/..	116	50	20	80	3.5	90	M4	56	41	47	11, 12, 14, 16, 19
EPH04/06/..	116	50	20	95	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/07/..	116	50	20	100	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/08/..	116	60	20	75	3.5	90	M5	56	41	47	11, 12, 14, 16, 19
EPH04/09/..	116	60	20	90	3.5	90	M5	56	41	47	11, 12, 14, 16, 19
EPH04/10/..	116	70	20	85	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/11/..	116	70	20	90	3.5	90	M5	56	41	47	11, 12, 14, 16, 19
EPH04/12/..	116	70	20	90	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/13/..	116	80	20	100	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/14/..	116	95	16	115	4	105	M8	56	41	55	11, 12, 14, 16, 19
EPH04/15/..	116	95	16	130	4	115	M8	56	41	60	11, 12, 14, 16, 19

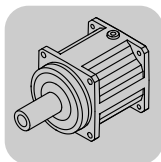


PSBF222..

57 023 00 03^L



(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1	(→ 537)
EPH01/01/..	139	40	13	63	3.5	58	M4	44	33	31	9, 11	
EPH01/03/..	139	50	13	60	3.5	58	M4	44	33	31	9, 11	
EPH02/04/..	139	50	10	70	3.5	80	M5	44	34	42	8, 9, 10, 11, 12, 14	
EPH02/05/..	139	50	10	80	3.5	80	M4	44	34	42	8, 9, 10, 11, 12, 14	
EPH02/06/..	139	50	10	95	3.5	80	M6	44	34	42	8, 9, 10, 11, 12, 14	
EPH02/08/..	139	60	10	75	3.5	80	M5	44	34	42	8, 9, 10, 11, 12, 14	
EPH02/09/..	139	60	10	90	3.5	80	M5	44	34	42	8, 9, 10, 11, 12, 14	
EPH02/10/..	139	70	10	85	3.5	80	M6	44	34	42	8, 9, 10, 11, 12, 14	
EPH02/11/..	139	70	10	90	3.5	80	M5	44	34	42	8, 9, 10, 11, 12, 14	
EPH02/13/..	152	80	23	100	5	88	M6	57	47	44	8, 9, 10, 11, 12, 14	


14.2.19 PSBF 321/322 EPH.. [Nm]

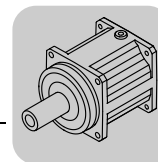
[Nm]		EPH M_{amax} M_{apk} $M_{aNotaus}$														
		01			02			03			04			05		
PSBF321 	i															
	5.00										110	169	250	110	169	250
	7.00										110	168	250	110	168	250
PSBF322 	10.00										110	121	181	110	121	181
	15.00	110	113	169	110	169	250	110	169	250	110	169	250			
	20.00	110	150	225	110	169	250	110	169	250	110	169	250			
	25.00	110	169	250	110	169	250	110	169	250	110	169	250			
	35.00	110	169	250	110	169	250	110	169	250	110	169	250			
	49.00	110	168	250	110	168	250	110	168	250	110	168	250			
	70.00	110	168	250	110	168	250	110	168	250	110	168	250			
	100.00	110	121	181	110	121	181	110	121	181	110	121	181			

m [kg]		EPH														
s		01			02			03			04			05		
PSBF321 	1	4.0			4.1			4.4			4.6			5.9		
PSBF322 	2	5.6			5.6			5.9			6.2			7.4		

EPH01 $n_e = 1500$							c_T PSBF [Nm/']		F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]
i		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]				
PSBF322 	15.00	110	113	169	455	0.46	26		11900	25000
	20.00	110	150	225	350	0.33	30		13000	25000
	25.00	110	169	250	280	0.28	31		13900	25000
	35.00	110	169	250	200	0.24	32		15400	25000
	49.00	110	168	250	143	0.23	28		17000	25000
	70.00	110	168	250	100	0.21	28		18900	25000
	100.00	110	121	181	70	0.21	16		21100	25000

EPH02 $n_e = 1500$							c_T PSBF [Nm/']		F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]
i		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]				
PSBF322 	15.00	110	169	250	455	0.77	29		11900	25000
	20.00	110	169	250	350	0.63	33		13000	25000
	25.00	110	169	250	280	0.58	33		13900	25000
	35.00	110	169	250	200	0.54	33		15400	25000
	49.00	110	168	250	143	0.54	29		17000	25000
	70.00	110	168	250	100	0.52	28		18900	25000
	100.00	110	121	181	70	0.52	16		21100	25000

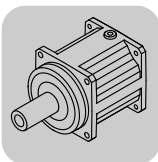
EPH03 $n_e = 1500$							c_T PSBF [Nm/']		F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]
i		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]				
PSBF322 	15.00	110	169	250	455	0.84	29		11900	25000
	20.00	110	169	250	350	0.71	33		13000	25000
	25.00	110	169	250	280	0.66	33		13900	25000
	35.00	110	169	250	200	0.62	33		15400	25000
	49.00	110	168	250	143	0.61	29		17000	25000
	70.00	110	168	250	100	0.59	28		18900	25000
	100.00	110	121	181	70	0.59	16		21100	25000



EPH04							c _T PSBF [Nm/°]	F _{Ramax} PSBF [N]	F _{Rapk} PSBF [N]
n _e = 1500	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]			
 PSBF321 1	5.00	110	169	250	460	1.3	34	8580	25000
	7.00	110	168	250	405	1.1	30	9500	25000
	10.00	110	121	181	368	0.89	16	10600	25000
 PSBF322 2	15.00	110	169	250	455	1.0	29	11900	25000
	20.00	110	169	250	350	0.88	33	13000	25000
	25.00	110	169	250	280	0.84	33	13900	25000
	35.00	110	169	250	200	0.79	33	15400	25000
	49.00	110	168	250	143	0.79	29	17000	25000
	70.00	110	168	250	100	0.76	28	18900	25000
	100.00	110	121	181	70	0.76	16	21100	25000

EPH05 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSBF [Nm/°]	F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]
PSBF321 	i	5.00	110	169	250	3.0	35	8580	25000
	7.00	110	168	250	405	2.8	30	9500	25000
	10.00	110	121	181	368	2.6	16	10600	25000

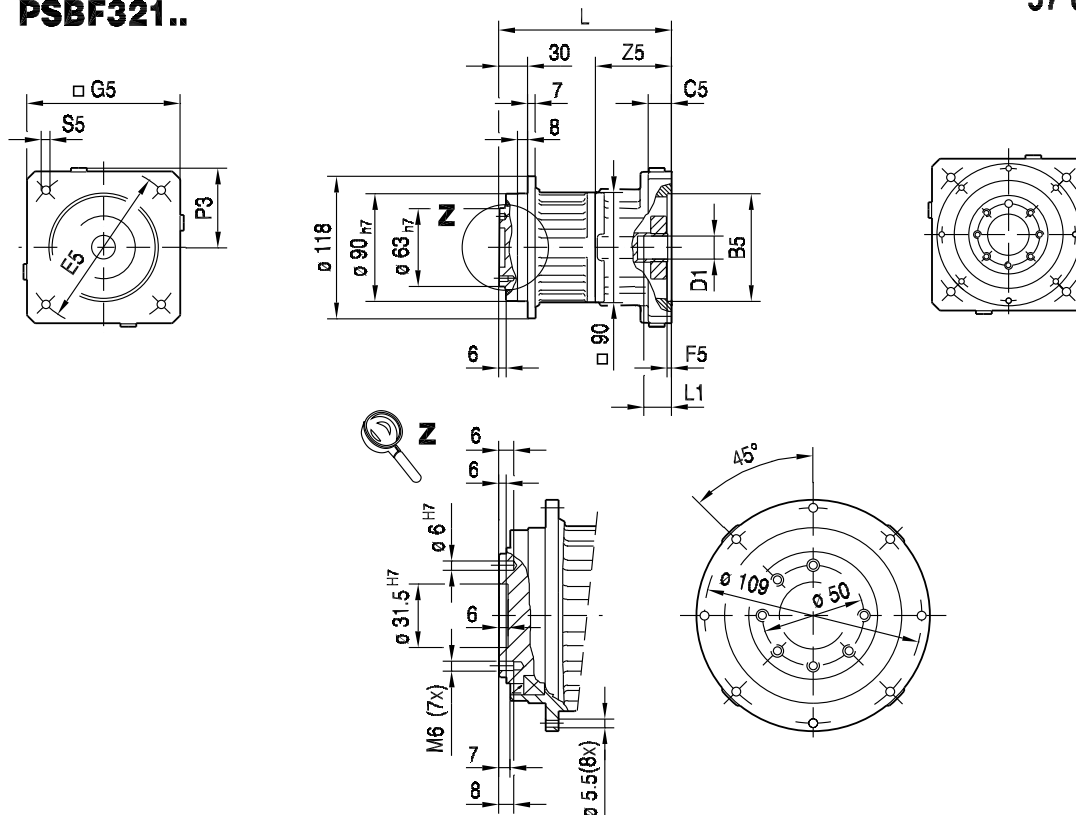
EPH		n_{epk} [1/min]	η [%]	M1;M3;M5-6			M2			M4			ϕ		
	i			a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[°]	/R [°]	/M [°]
PSBF321 	5.00	7000	99	308	-0.327	0	352	-0.465	0	394	-0.698	0	6	3	1
	7.00	7000	99	315	-0.389	0	355	-0.525	0	419	-0.838	0	6	3	1
	10.00	7000	99	282	-0.426	0	324	-0.569	0	596	-1.963	0	6	3	1
PSBF322 	15.00	7500	98	353	-0.949	0	460	-1.717	0	536	-2.477	0	8	4	2
	20.00	7500	98	365	-0.878	0	494	-1.824	0	526	-2.129	0	8	4	2
	25.00	7500	98	382	-0.956	0	503	-1.894	0	534	-2.202	0	8	4	2
	35.00	7500	98	404	-1.118	0	524	-2.098	0	555	-2.421	0	8	4	2
	49.00	7500	98	479	-1.768	0	641	-3.474	0	668	-3.835	0	8	4	2
	70.00	7500	98	509	-2.219	0	655	-3.923	0	681	-4.288	0	8	4	2
	100.00	7500	98	588	-3.573	0	787	-6.596	0	809	-7.019	0	8	4	2



14.2.20 PSBF 321/322 EPH.. [mm]

PSBF321..

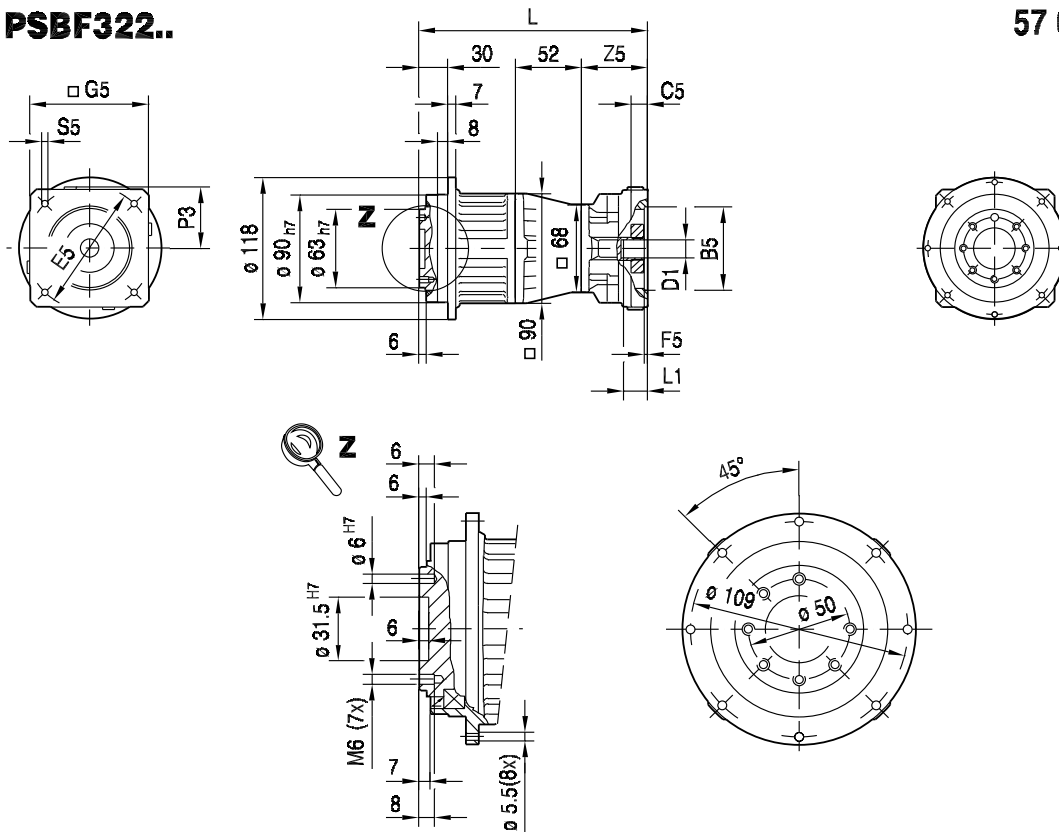
57 024 00 03



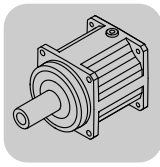
(→  144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→  537)
EPH04/01/..	134	40	20	63	3.5	90	M4	51	43	47	11, 12, 14, 16, 19
EPH04/03/..	134	50	20	60	3.5	90	M4	51	41	47	11, 12, 14, 16, 19
EPH04/04/..	134	50	20	70	3.5	90	M5	51	41	47	11, 12, 14, 16, 19
EPH04/05/..	134	50	20	80	3.5	90	M4	51	41	47	11, 12, 14, 16, 19
EPH04/06/..	134	50	20	95	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/07/..	134	50	20	100	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/08/..	134	60	20	75	3.5	90	M5	51	41	47	11, 12, 14, 16, 19
EPH04/09/..	134	60	20	90	3.5	90	M5	51	41	47	11, 12, 14, 16, 19
EPH04/10/..	134	70	20	85	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/11/..	134	70	20	90	3.5	90	M5	51	41	47	11, 12, 14, 16, 19
EPH04/12/..	134	70	20	90	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/13/..	134	80	20	100	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/14/..	134	95	16	115	4	105	M8	51	41	55	11, 12, 14, 16, 19
EPH04/15/..	134	95	16	130	4	115	M8	51	41	60	11, 12, 14, 16, 19
EPH05/14/..	150	95	16	115	4	120	M8	67	52	62	14, 16, 17, 18, 19, 24
EPH05/15/..	150	95	16	130	4	120	M8	67	52	62	14, 16, 17, 18, 19, 24
EPH05/16/..	150	110	16	130	5	120	M8	67	52	62	14, 16, 17, 18, 19, 24
EPH05/17/..	150	110	16	145	7	120	M8	67	52	62	14, 16, 17, 18, 19, 24
EPH05/18/..	150	110	20	165	5	140	M10	67	52	72	14, 16, 17, 18, 19, 24
EPH05/20/..	150	130	20	165	5	140	M10	67	52	72	14, 16, 17, 18, 19, 24
EPH05/26/..	150	110	16	130	5	115	M8	67	52	61	14, 16, 17, 18, 19, 24

PSBF322..

57 025 00 03



(→📖 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→📖 537)
EPH01/01/..	173	40	13	63	4	73	M4	38	33	39	9, 11
EPH01/03/..	173	50	13	60	4	73	M4	38	33	39	9, 11
EPH02/04/..	173	50	13	70	4	73	M5	38	34	39	8, 9, 10, 11, 12, 14
EPH02/05/..	173	50	13	80	4	73	M4	38	34	39	8, 9, 10, 11, 12, 14
EPH02/08/..	173	60	13	75	4	73	M5	38	34	39	8, 9, 10, 11, 12, 14
EPH03/01/..	182	40	20	63	3.5	90	M4	47	38	47	8, 9, 10, 11, 12, 14
EPH03/03/..	182	50	20	60	3.5	90	M4	47	30	47	8, 9, 10, 11, 12, 14
EPH03/04/..	182	50	20	70	3.5	90	M5	47	30	47	8, 9, 10, 11, 12, 14
EPH03/05/..	182	50	20	80	3.5	90	M4	47	30	47	8, 9, 10, 11, 12, 14
EPH03/06/..	182	50	20	95	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/07/..	182	50	20	100	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/08/..	182	60	20	75	3.5	90	M5	47	30	47	8, 9, 10, 11, 12, 14
EPH03/09/..	182	60	20	90	3.5	90	M5	47	30	47	8, 9, 10, 11, 12, 14
EPH03/10/..	182	70	20	85	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/11/..	182	70	20	90	3.5	90	M5	47	30	47	8, 9, 10, 11, 12, 14
EPH03/12/..	182	70	20	90	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/13/..	182	80	20	100	3.5	90	M6	47	30	47	8, 9, 10, 11, 12, 14
EPH03/14/..	182	95	16	115	4	105	M8	47	30	55	8, 9, 10, 11, 12, 14
EPH04/01/..	191	40	20	63	3.5	90	M4	56	43	47	11, 12, 14, 16, 19
EPH04/03/..	191	50	20	60	3.5	90	M4	56	41	47	11, 12, 14, 16, 19
EPH04/04/..	191	50	20	70	3.5	90	M5	56	41	47	11, 12, 14, 16, 19
EPH04/05/..	191	50	20	80	3.5	90	M4	56	41	47	11, 12, 14, 16, 19
EPH04/06/..	191	50	20	95	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/07/..	191	50	20	100	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/08/..	191	60	20	75	3.5	90	M5	56	41	47	11, 12, 14, 16, 19
EPH04/09/..	191	60	20	90	3.5	90	M5	56	41	47	11, 12, 14, 16, 19
EPH04/10/..	191	70	20	85	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/11/..	191	70	20	90	3.5	90	M5	56	41	47	11, 12, 14, 16, 19
EPH04/12/..	191	70	20	90	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/13/..	191	80	20	100	3.5	90	M6	56	41	47	11, 12, 14, 16, 19
EPH04/14/..	191	95	16	115	4	105	M8	56	41	55	11, 12, 14, 16, 19
EPH04/15/..	191	95	16	130	4	115	M8	56	41	60	11, 12, 14, 16, 19


14.2.21 PSBF 521/522 EPH.. [Nm]

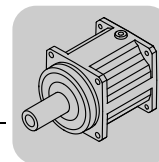
[Nm]		EPH $M_{amax} M_{apk} M_{aNotaus}$											
	i	04			05			06			07		
PSBF521 1	5.00	210	210	295	300	375	560	300	375	560	300	375	560
	7.00	300	305	455	300	360	540	300	360	540	300	360	540
	10.00	270	270	445	270	270	445	270	270	445	270	270	445
PSBF522 2	15.00	300	375	560	300	375	560						
	20.00	300	375	560	300	375	560						
	25.00	300	375	560	300	375	560						
	35.00	300	375	560	300	375	560						
	49.00	300	360	540	300	360	540						
	70.00	300	360	540	300	360	540						
	100.00	270	270	445	270	270	445						

m [kg]		EPH											
	s	04			05			06			07		
PSBF521	1	6.9			8.2			9.8			9.8		
PSBF522	2	9.8			11			13			13		

EPH04 n _e = 1500							c _T PSBF [Nm/°]	F _{Ramax} PSBF [N]	F _{Rapk} PSBF [N]
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]			
 PSBF521 1	5.00	210	210	295	1400	2.0	59	13900	40000
	7.00	300	305	455	375	1.4	65	15400	40000
	10.00	270	270	445	485	1.2	43	17200	40000
 PSBF522 2	15.00	300	375	560	425	1.5	98	19400	40000
	20.00	300	375	560	350	1.1	100	21100	40000
	25.00	300	375	560	280	1.0	100	22600	40000
	35.00	300	375	560	200	0.90	98	25000	40000
	49.00	300	360	540	143	0.88	77	27600	40000
	70.00	300	360	540	100	0.80	73	30800	40000
	100.00	270	270	445	70	0.80	42	34200	40000

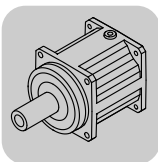
EPH05 n _e = 1500							c _T PSBF	F _{Ramax} PSBF	F _{Rapk} PSBF
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]	[Nm/°]	[N]	[N]
 PSBF521 1	5.00	300	375	560	425	3.7	101	13900	40000
	7.00	300	360	540	375	3.2	78	15400	40000
	10.00	270	270	445	485	2.9	43	17200	40000
 PSBF522 2	15.00	300	375	560	425	3.2	99	19400	40000
	20.00	300	375	560	350	2.8	100	21100	40000
	25.00	300	375	560	280	2.7	100	22600	40000
	35.00	300	375	560	200	2.6	98	25000	40000
	49.00	300	360	540	143	2.6	77	27600	40000
	70.00	300	360	540	100	2.5	73	30800	40000
	100.00	270	270	445	70	2.5	42	34200	40000

EPH06 n _e = 1500							c _T PSBF [Nm/°]	F _{Ramax} PSBF [N]	F _{Rapk} PSBF [N]
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]			
PSBF521  1	5.00	300	375	560	425	6.6	105	13900	40000
	7.00	300	360	540	375	6.0	81	15400	40000
	10.00	270	270	445	485	5.7	43	17200	40000



EPH07 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSBF [Nm/°]	F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]
PSBF521  1	i								
	5.00	300	375	560	425	6.7	109	13900	40000
	7.00	300	360	540	375	6.1	81	15400	40000
	10.00	270	270	445	485	5.8	43	17200	40000

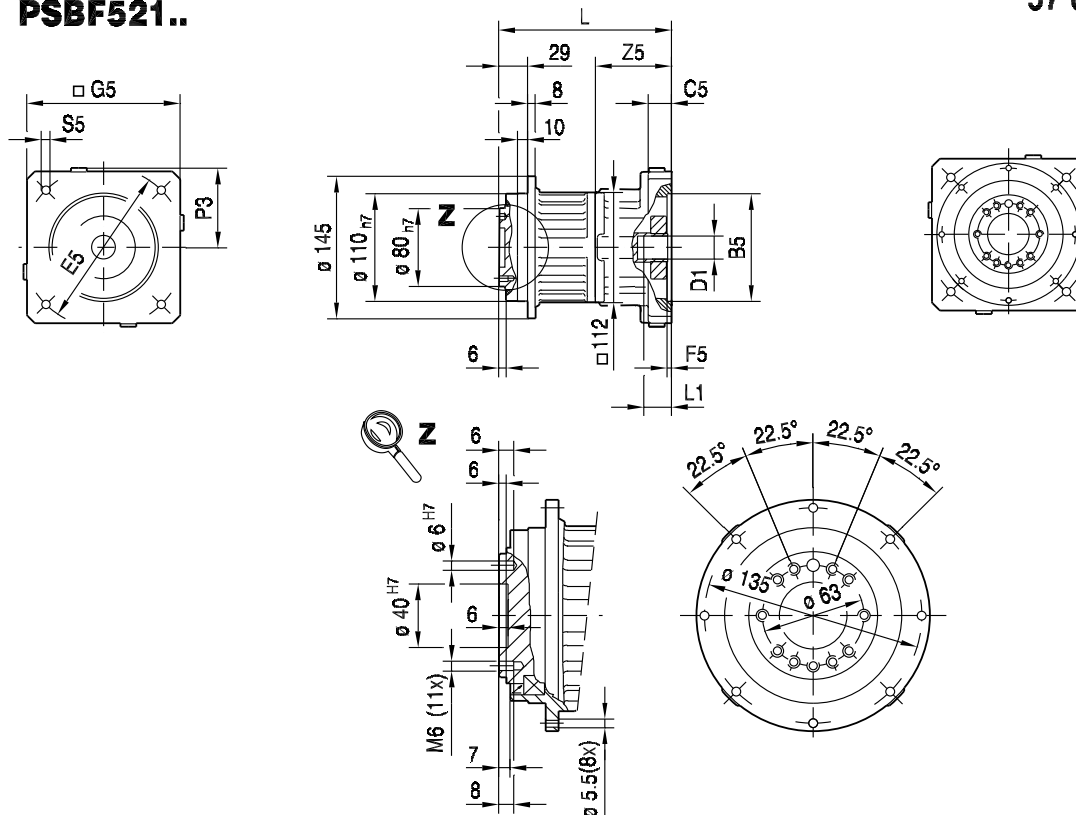
EPH		n_{epk} [1/min]	η [%]	M1;M3;M5-6			M2			M4			φ /R /M		
	i			a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[°]	[°]	[°]
PSBF521  1	5.00	6000	99	532	-0.576	0	641	-0.923	0	832	-1.785	0	6	3	1
	7.00	6000	99	616	-0.723	0	740	-1.127	0	982	-2.214	0	6	3	1
	10.00	6000	99	582	-0.774	0	710	-1.198	0	951	-2.305	0	6	3	1
PSBF522  2	15.00	7000	98	769	-2.552	0	937	-4.188	0	1052	-5.766	0	8	4	2
	20.00	7000	98	792	-2.368	0	1041	-4.791	0	1182	-6.670	0	8	4	2
	25.00	7000	98	827	-2.651	0	1076	-5.144	0	1220	-7.094	0	8	4	2
	35.00	7000	98	872	-3.262	0	1099	-5.764	0	1230	-7.693	0	8	4	2
	49.00	7000	98	1149	-6.255	0	1423	-9.914	0	1559	-12.241	0	8	4	2
	70.00	7000	98	1225	-8.221	0	1450	-11.702	0	1553	-13.832	0	8	4	2
	100.00	7000	98	1492	-13.723	0	1823	-20.406	0	1925	-22.958	0	8	4	2



14.2.22 PSBF 521/522 EPH.. [mm]

PSBF521..

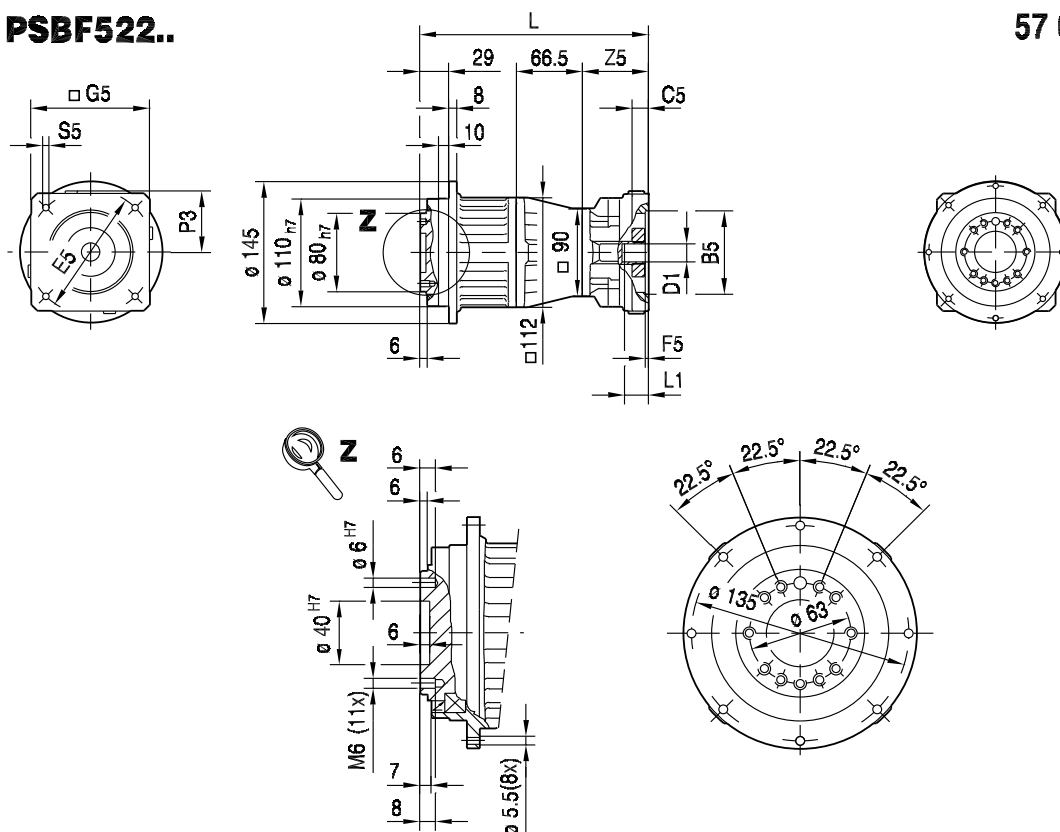
57 028 00 03



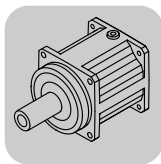
(→📖 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→📖 537)
EPH04/01/..	145	40	20	63	3.5	90	M4	46	43	47	11, 12, 14, 16, 19
EPH04/03/..	145	50	20	60	3.5	90	M4	46	41	47	11, 12, 14, 16, 19
EPH04/04/..	145	50	20	70	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/05/..	145	50	20	80	3.5	90	M4	46	41	47	11, 12, 14, 16, 19
EPH04/06/..	145	50	20	95	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/07/..	145	50	20	100	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/08/..	145	60	20	75	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/09/..	145	60	20	90	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/10/..	145	70	20	85	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/11/..	145	70	20	90	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/12/..	145	70	20	90	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/13/..	145	80	20	100	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/14/..	145	95	16	115	4	105	M8	46	41	55	11, 12, 14, 16, 19
EPH04/15/..	145	95	16	130	4	115	M8	46	41	60	11, 12, 14, 16, 19
EPH05/14/..	161	95	16	115	4	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/15/..	161	95	16	130	4	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/16/..	161	110	16	130	5	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/17/..	161	110	16	145	7	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/18/..	161	110	20	165	5	140	M10	62	52	72	14, 16, 17, 18, 19, 24
EPH05/20/..	161	130	20	165	5	140	M10	62	52	72	14, 16, 17, 18, 19, 24
EPH05/26/..	161	110	16	130	5	115	M8	62	52	61	14, 16, 17, 18, 19, 24
EPH06/19/..	196	114.3	24	200	5	174	M12	97	82	89	35
EPH07/20/..	176	130	24	165	5	155	M10	77	62	80	22, 24, 28, 32
EPH07/21/..	176	130	24	215	5	190	M12	77	62	97	22, 24, 28, 32
EPH07/22/..	176	180	24	215	5	190	M12	77	62	97	22, 24, 28, 32
EPH07/27/..	176	130	24	165	5	137	M10	77	62	72	22, 24, 28, 32
EPH07/28/..	176	155	24	190	5	162	M10	77	62	84	22, 24, 28, 32

PSBF522...

57 029 00 03



(→  144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→  537)
EPH04/01/..	216	40	20	63	3.5	90	M4	51	43	47	11, 12, 14, 16, 19
EPH04/03/..	216	50	20	60	3.5	90	M4	51	41	47	11, 12, 14, 16, 19
EPH04/04/..	216	50	20	70	3.5	90	M5	51	41	47	11, 12, 14, 16, 19
EPH04/05/..	216	50	20	80	3.5	90	M4	51	41	47	11, 12, 14, 16, 19
EPH04/06/..	216	50	20	95	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/07/..	216	50	20	100	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/08/..	216	60	20	75	3.5	90	M5	51	41	47	11, 12, 14, 16, 19
EPH04/09/..	216	60	20	90	3.5	90	M5	51	41	47	11, 12, 14, 16, 19
EPH04/10/..	216	70	20	85	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/11/..	216	70	20	90	3.5	90	M5	51	41	47	11, 12, 14, 16, 19
EPH04/12/..	216	70	20	90	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/13/..	216	80	20	100	3.5	90	M6	51	41	47	11, 12, 14, 16, 19
EPH04/14/..	216	95	16	115	4	105	M8	51	41	55	11, 12, 14, 16, 19
EPH04/15/..	216	95	16	130	4	115	M8	51	41	60	11, 12, 14, 16, 19
EPH05/14/..	232	95	16	115	4	120	M8	67	52	62	14, 16, 17, 18, 19, 24
EPH05/15/..	232	95	16	130	4	120	M8	67	52	62	14, 16, 17, 18, 19, 24
EPH05/16/..	232	110	16	130	5	120	M8	67	52	62	14, 16, 17, 18, 19, 24
EPH05/17/..	232	110	16	145	7	120	M8	67	52	62	14, 16, 17, 18, 19, 24
EPH05/18/..	232	110	20	165	5	140	M10	67	52	72	14, 16, 17, 18, 19, 24
EPH05/20/..	232	130	20	165	5	140	M10	67	52	72	14, 16, 17, 18, 19, 24
EPH05/26/..	232	110	16	130	5	115	M8	67	52	61	14, 16, 17, 18, 19, 24


14.2.23 PSBF 621/622 EPH.. [Nm]

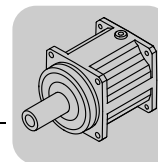
[Nm]		EPH M_{amax} M_{apk} $M_{aNotaus}$														
		04			05			06			07			08		
PSBF621 1	5.00				595	650	960	595	700	1050	595	700	1050	595	700	1050
	7.00				600	660	1020	600	660	1020	600	660	1020	600	660	1020
	10.00				500	500	850	500	500	850	500	500	850	500	500	850
PSBF622 2	20.00	600	700	1050	600	700	1050	600	700	1050	600	700	1050			
	25.00	600	700	1050	600	700	1050	600	700	1050	600	700	1050			
	35.00	600	700	1050	600	700	1050	600	700	1050	600	700	1050			
	49.00	600	660	990	600	660	990	600	660	990	600	660	990			
	70.00	600	660	990	600	660	990	600	660	990	600	660	990			
	100.00	500	500	750	500	500	750	500	500	750	500	500	750			

m [kg]		EPH														
	s	04			05			06			07			08		
PSBF621	1	11			13			14			14			19		
PSBF622	2	17			18			20			20			24		

EPH04 $n_e = 1500$							c_T PSBF		F_{Ramax} PSBF	F_{Rapk} PSBF
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	[Nm/°]		[N]	[N]
PSBF622 2	20.00	600	700	1050	292	2.2	220		31500	60000
	25.00	600	700	1050	280	1.7	227		33600	60000
	35.00	600	700	1050	200	1.3	227		37200	60000
	49.00	600	660	990	143	1.2	174		41200	60000
	70.00	600	660	990	100	1.1	169		45800	60000
	100.00	500	500	750	70	1.1	95		51000	60000

EPH05 $n_e = 1500$							c_T PSBF		F_{Ramax} PSBF	F_{Rapk} PSBF
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	[Nm/°]		[N]	[N]
PSBF621 1	5.00	595	650	960	300	6.5	170		20800	60000
	7.00	600	660	1020	260	4.6	162		23000	60000
	10.00	500	500	850	425	3.6	94		25500	60000
PSBF622 2	20.00	600	700	1050	292	4.0	239		31500	60000
	25.00	600	700	1050	280	3.5	239		33600	60000
	35.00	600	700	1050	200	3.0	232		37200	60000
	49.00	600	660	990	143	3.0	175		41200	60000
	70.00	600	660	990	100	2.8	169		45800	60000
	100.00	500	500	750	70	2.8	95		51000	60000

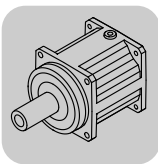
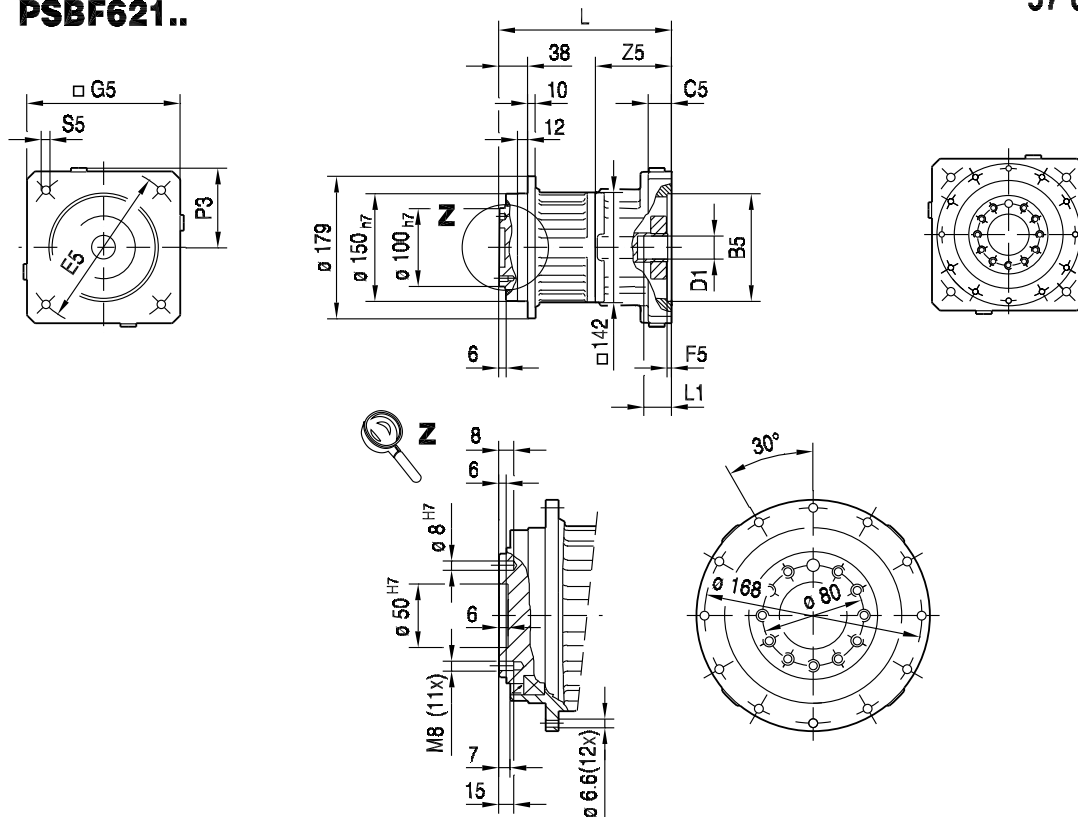
EPH06 $n_e = 1500$							c_T PSBF		F_{Ramax} PSBF	F_{Rapk} PSBF
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	[Nm/°]		[N]	[N]
PSBF621 1	5.00	595	700	1050	300	9.6	227		20800	60000
	7.00	600	660	1020	260	7.5	167		23000	60000
	10.00	500	500	850	425	6.4	96		25500	60000
PSBF622 2	20.00	600	700	1050	292	6.8	241		31500	60000
	25.00	600	700	1050	280	6.3	240		33600	60000
	35.00	600	700	1050	200	5.9	233		37200	60000
	49.00	600	660	990	143	5.8	175		41200	60000
	70.00	600	660	990	100	5.6	169		45800	60000
	100.00	500	500	750	70	5.6	95		51000	60000



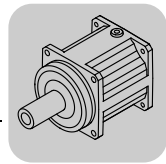
EPH07 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSBF [Nm/°]	F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]
PSBF621 	i	5.00	595	700	1050	300	9.7	227	20800
	7.00	600	660	1020	260	7.6	172	23000	60000
	10.00	500	500	850	425	6.6	93	25500	60000
PSBF622 	20.00	600	700	1050	292	6.9	242	31500	60000
	25.00	600	700	1050	280	6.4	241	33600	60000
	35.00	600	700	1050	200	6.0	233	37200	60000
	49.00	600	660	990	143	6.0	175	41200	60000
	70.00	600	660	990	100	5.7	169	45800	60000
	100.00	500	500	750	70	5.7	95	51000	60000

EPH08 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSBF [Nm/°]	F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]
PSBF621 	i	5.00	595	700	1050	300	16	243	20800
	7.00	600	660	1020	260	14	175	23000	60000
	10.00	500	500	850	425	12	96	25500	60000

EPH		n_{epk} [1/min]	η [%]	M1;M3;M5-6			M2			M4			ϕ /R /M		
	i			a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[°]	[°]	[°]
PSBF621 	5.00	6000	99	1121	-1.327	0	1326	-2.063	0	1903	-4.914	0	4	2	1
	7.00	6000	99	1192	-1.511	0	1432	-2.373	0	2021	-5.353	0	4	2	1
	10.00	6000	99	1064	-1.505	0	1337	-2.426	0	1889	-5.215	0	4	2	1
PSBF622 	20.00	6000	98	1562	-6.428	0	1939	-11.106	0	2184	-15.605	0	6	3	1
	25.00	6000	98	1580	-6.664	0	1955	-11.342	0	2209	-15.961	0	6	3	1
	35.00	6000	98	1652	-7.501	0	2029	-12.358	0	2288	-17.166	0	6	3	1
	49.00	6000	98	2013	-11.606	0	2658	-21.472	0	2869	-26.726	0	6	3	1
	70.00	6000	98	2097	-13.821	0	2653	-23.285	0	2848	-28.435	0	6	3	1
	100.00	6000	98	2535	-22.533	0	3404	-41.310	0	3639	-47.984	0	6	3	1

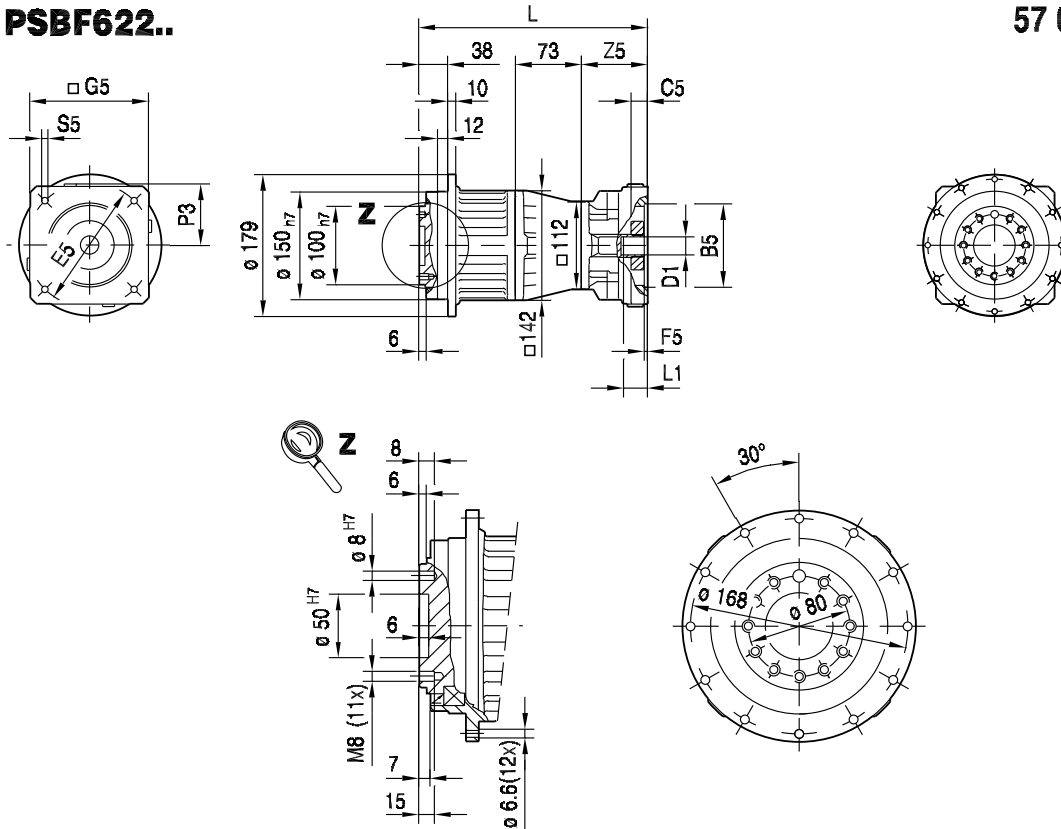

14.2.24 PSBF 621/622 EPH.. [mm]
PSBF621..
57 030 00 03


(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH05/14/..	173	95	16	115	4	120	M8	54	52	62	14, 16, 17, 18, 19, 24
EPH05/15/..	173	95	16	130	4	120	M8	54	52	62	14, 16, 17, 18, 19, 24
EPH05/16/..	173	110	16	130	5	120	M8	54	52	62	14, 16, 17, 18, 19, 24
EPH05/17/..	173	110	16	145	7	120	M8	54	52	62	14, 16, 17, 18, 19, 24
EPH05/18/..	173	110	20	165	5	140	M10	54	52	72	14, 16, 17, 18, 19, 24
EPH05/20/..	173	130	20	165	5	140	M10	54	52	72	14, 16, 17, 18, 19, 24
EPH05/26/..	173	110	16	130	5	115	M8	54	52	61	14, 16, 17, 18, 19, 24
EPH06/19/..	208	114.3	24	200	5	174	M12	89	82	89	35
EPH07/20/..	188	130	24	165	5	155	M10	69	62	80	22, 24, 28, 32
EPH07/21/..	188	130	24	215	5	190	M12	69	62	97	22, 24, 28, 32
EPH07/22/..	188	180	24	215	5	190	M12	69	62	97	22, 24, 28, 32
EPH07/27/..	188	130	24	165	5	137	M10	69	62	72	22, 24, 28, 32
EPH07/28/..	188	155	24	190	5	162	M10	69	62	84	22, 24, 28, 32
EPH08/21/..	213	130	24	215	5	190	M12	94	82	97	32, 35, 38
EPH08/22/..	213	180	24	215	5	190	M12	94	82	97	32, 35, 38

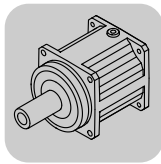


PSBF622..

57 031 00 03^L



(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH04/01/..	238	40	20	63	3.5	90	M4	46	43	47	11, 12, 14, 16, 19
EPH04/03/..	238	50	20	60	3.5	90	M4	46	41	47	11, 12, 14, 16, 19
EPH04/04/..	238	50	20	70	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/05/..	238	50	20	80	3.5	90	M4	46	41	47	11, 12, 14, 16, 19
EPH04/06/..	238	50	20	95	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/07/..	238	50	20	100	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/08/..	238	60	20	75	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/09/..	238	60	20	90	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/10/..	238	70	20	85	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/11/..	238	70	20	90	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/12/..	238	70	20	90	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/13/..	238	80	20	100	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/14/..	238	95	16	115	4	105	M8	46	41	55	11, 12, 14, 16, 19
EPH04/15/..	238	95	16	130	4	115	M8	46	41	60	11, 12, 14, 16, 19
EPH05/14/..	254	95	16	115	4	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/15/..	254	95	16	130	4	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/16/..	254	110	16	130	5	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/17/..	254	110	16	145	7	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/18/..	254	110	20	165	5	140	M10	62	52	72	14, 16, 17, 18, 19, 24
EPH05/20/..	254	130	20	165	5	140	M10	62	52	72	14, 16, 17, 18, 19, 24
EPH05/26/..	254	110	16	130	5	115	M8	62	52	61	14, 16, 17, 18, 19, 24
EPH06/19/..	289	114.3	24	200	5	174	M12	97	82	89	35
EPH07/20/..	269	130	24	165	5	155	M10	77	62	80	22, 24, 28, 32
EPH07/21/..	269	130	24	215	5	190	M12	77	62	97	22, 24, 28, 32
EPH07/22/..	269	180	24	215	5	190	M12	77	62	97	22, 24, 28, 32
EPH07/27/..	269	130	24	165	5	137	M10	77	62	72	22, 24, 28, 32
EPH07/28/..	269	155	24	190	5	162	M10	77	62	84	22, 24, 28, 32


14.2.25 PSBF 721/722 EPH.. [Nm]

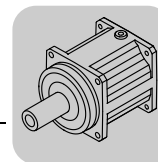
[Nm]		EPH M_{amax} M_{apk} $M_{aNotaus}$														
		04			05			06			07			08		
PSBF721 1	5.00				650	650	960	1000	1190	1760	1000	1190	1760	1000	1540	2310
	7.00				1000	1010	1520	1000	1380	2070	1000	1380	2070	1000	1380	2070
	10.00				1000	1040	1550	1000	1040	1550	1000	1040	1550	1000	1040	1550
PSBF722 2	20.00	850	850	1180	1000	1540	2310	1000	1540	2310	1000	1540	2310			
	25.00	1000	1060	1480	1000	1540	2310	1000	1540	2310	1000	1540	2310			
	35.00	1000	1530	2290	1000	1540	2310	1000	1540	2310	1000	1540	2310			
	49.00	1000	1380	2070	1000	1380	2070	1000	1380	2070	1000	1380	2070			
	70.00	1000	1380	2070	1000	1380	2070	1000	1380	2070	1000	1380	2070			
	100.00	1000	1040	1550	1000	1040	1550	1000	1040	1550	1000	1040	1550			

m [kg]		EPH					
	s	04	05	06	07	08	
PSBF721	1	27	30	31	31	35	
PSBF722	2	34	36	38	38	42	

EPH04 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSBF [Nm/°]	F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]
PSBF722 2	20.00	850	850	1180	350	3.5	330	57400	120000
	25.00	1000	1060	1480	280	2.5	355	61400	120000
	35.00	1000	1530	2290	200	1.7	374	67900	120000
	49.00	1000	1380	2070	143	1.4	288	75100	120000
	70.00	1000	1380	2070	100	1.2	276	83600	120000
	100.00	1000	1040	1550	70	1.1	166	93100	120000

EPH05 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSBF [Nm/°]	F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]
PSBF721 1	5.00	650	650	960	1400	27	215	37900	120000
	7.00	1000	1010	1520	378	15	231	41900	120000
	10.00	1000	1040	1550	345	8.9	163	46600	120000
PSBF722 2	20.00	1000	1540	2310	350	5.3	405	57400	120000
	25.00	1000	1540	2310	280	4.3	399	61400	120000
	35.00	1000	1540	2310	200	3.5	388	67900	120000
	49.00	1000	1380	2070	143	3.2	293	75100	120000
	70.00	1000	1380	2070	100	2.9	276	83600	120000
	100.00	1000	1040	1550	70	2.8	166	93100	120000

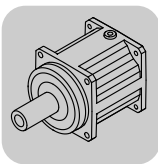
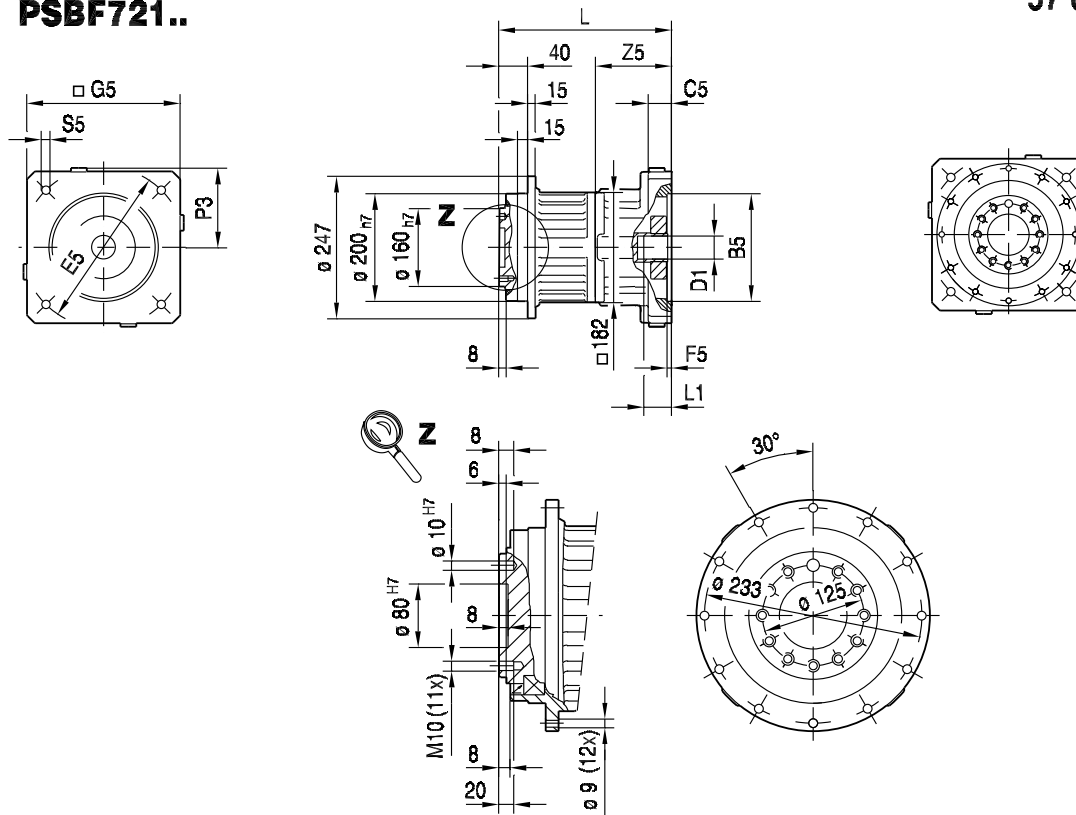
EPH06 $n_e = 1500$		M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSBF [Nm/°]	F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]
PSBF721 1	5.00	1000	1190	1760	430	30	322	37900	120000
	7.00	1000	1380	2070	378	18	286	41900	120000
	10.00	1000	1040	1550	345	12	165	46600	120000
PSBF722 2	20.00	1000	1540	2310	350	8.2	409	57400	120000
	25.00	1000	1540	2310	280	7.2	401	61400	120000
	35.00	1000	1540	2310	200	6.3	390	67900	120000
	49.00	1000	1380	2070	143	6.1	293	75100	120000
	70.00	1000	1380	2070	100	5.7	276	83600	120000
	100.00	1000	1040	1550	70	5.6	167	93100	120000



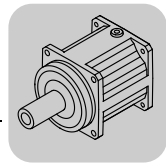
EPH07 $n_e = 1500$									
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSBF [Nm/°]	F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]
PSBF721 	5.00	1000	1190	1760	430	30	322	37900	120000
	7.00	1000	1380	2070	378	19	286	41900	120000
	10.00	1000	1040	1550	345	12	168	46600	120000
PSBF722 	20.00	1000	1540	2310	350	8.3	413	57400	120000
	25.00	1000	1540	2310	280	7.3	403	61400	120000
	35.00	1000	1540	2310	200	6.4	390	67900	120000
	49.00	1000	1380	2070	143	6.2	293	75100	120000
	70.00	1000	1380	2070	100	5.8	276	83600	120000
	100.00	1000	1040	1550	70	5.7	167	93100	120000

EPH08 $n_e = 1500$									
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSBF [Nm/°]	F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]
PSBF721 	5.00	1000	1540	2310	430	36	361	37900	120000
	7.00	1000	1380	2070	378	24	306	41900	120000
	10.00	1000	1040	1550	345	18	169	46600	120000

EPH															
	i	n_{epk} [1/min]	η [%]	M1;M3;M5-6			M2			M4			ϕ		
				a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2	[°]	/R [°]	/M [°]
PSBF721 	5.00	4500	99	1594	-2.053	0	2210	-3.979	0	3511	-10.393	0	4	2	1
	7.00	4500	99	1950	-2.602	0	2579	-4.792	0	3728	-11.195	0	4	2	1
	10.00	4500	99	1972	-2.804	0	2542	-4.959	0	3526	-10.834	0	4	2	1
PSBF722 	20.00	6000	98	1981	-6.022	0	2615	-11.892	0	2899	-15.452	0	6	3	1
	25.00	6000	98	2110	-6.545	0	2699	-12.379	0	2947	-15.840	0	6	3	1
	35.00	6000	98	2491	-8.271	0	2997	-14.334	0	3228	-17.969	0	6	3	1
	49.00	6000	98	2840	-12.118	0	3661	-23.086	0	3907	-27.349	0	6	3	1
	70.00	6000	98	2907	-14.090	0	3637	-24.695	0	3841	-28.698	0	6	3	1
	100.00	6000	98	3316	-21.875	0	4422	-41.392	0	4631	-46.160	0	6	3	1

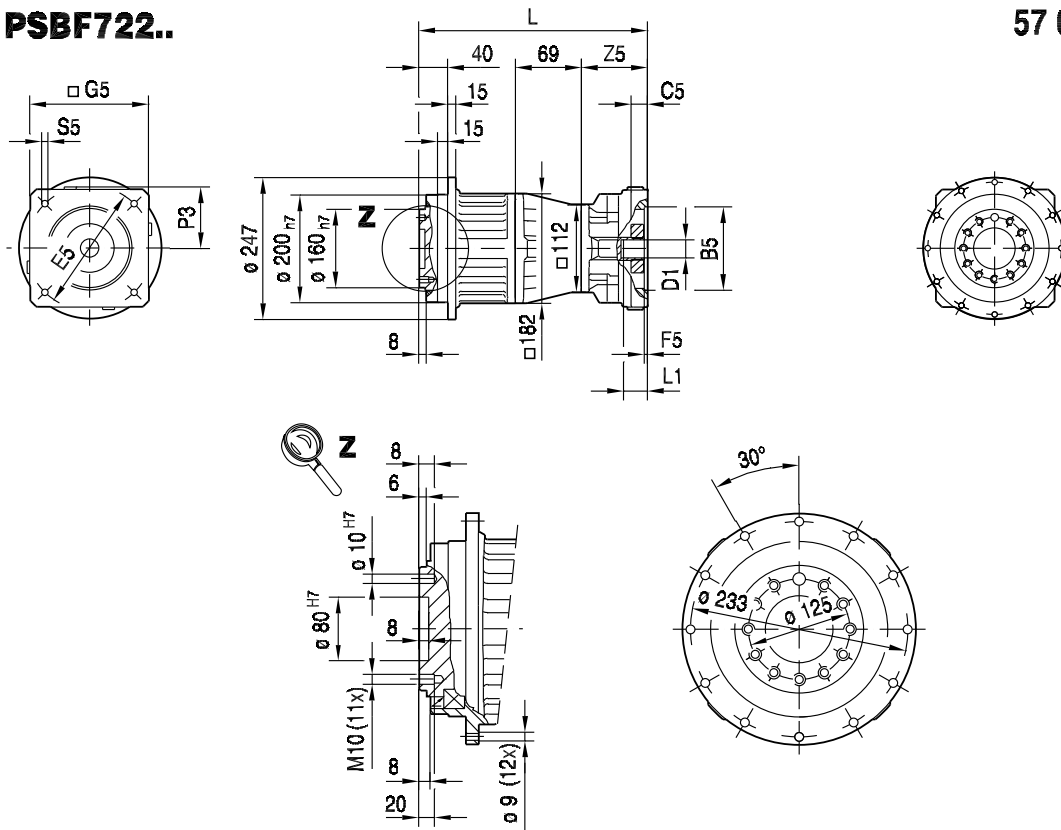

14.2.26 PSBF 721/722 EPH.. [mm]
57 073 00 07 ^L
PSBF721..


(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH05/14/..	195	95	16	115	4	120	M8	50	56	62	14, 16, 17, 18, 19, 24
EPH05/15/..	195	95	16	130	4	120	M8	50	56	62	14, 16, 17, 18, 19, 24
EPH05/16/..	195	110	16	130	5	120	M8	50	56	62	14, 16, 17, 18, 19, 24
EPH05/17/..	195	110	16	145	7	120	M8	50	56	62	14, 16, 17, 18, 19, 24
EPH05/18/..	195	110	20	165	5	140	M10	50	56	72	14, 16, 17, 18, 19, 24
EPH05/20/..	195	130	20	165	5	140	M10	50	56	72	14, 16, 17, 18, 19, 24
EPH05/26/..	195	110	16	130	5	115	M8	50	56	61	14, 16, 17, 18, 19, 24
EPH06/19/..	230	114.3	24	200	5	174	M12	85	82	89	35
EPH07/20/..	210	130	24	165	5	155	M10	65	66	80	22, 24, 28, 32
EPH07/21/..	210	130	24	215	5	190	M12	65	66	97	22, 24, 28, 32
EPH07/22/..	210	180	24	215	5	190	M12	65	66	97	22, 24, 28, 32
EPH07/27/..	210	130	24	165	5	137	M10	65	66	72	22, 24, 28, 32
EPH07/28/..	210	155	24	190	5	162	M10	65	66	84	22, 24, 28, 32
EPH08/21/..	235	130	24	215	5	190	M12	90	82	97	32, 35, 38
EPH08/22/..	235	180	24	215	5	190	M12	90	82	97	32, 35, 38

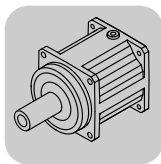


PSBF722..

57 074 00 07^L



(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH04/01/..	260	40	20	63	3.5	90	M4	46	43	47	11, 12, 14, 16, 19
EPH04/03/..	260	50	20	60	3.5	90	M4	46	41	47	11, 12, 14, 16, 19
EPH04/04/..	260	50	20	70	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/05/..	260	50	20	80	3.5	90	M4	46	41	47	11, 12, 14, 16, 19
EPH04/06/..	260	50	20	95	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/07/..	260	50	20	100	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/08/..	260	60	20	75	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/09/..	260	60	20	90	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/10/..	260	70	20	85	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/11/..	260	70	20	90	3.5	90	M5	46	41	47	11, 12, 14, 16, 19
EPH04/12/..	260	70	20	90	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/13/..	260	80	20	100	3.5	90	M6	46	41	47	11, 12, 14, 16, 19
EPH04/14/..	260	95	16	115	4	105	M8	46	41	55	11, 12, 14, 16, 19
EPH04/15/..	260	95	16	130	4	115	M8	46	41	60	11, 12, 14, 16, 19
EPH05/14/..	276	95	16	115	4	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/15/..	276	95	16	130	4	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/16/..	276	110	16	130	5	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/17/..	276	110	16	145	7	120	M8	62	52	62	14, 16, 17, 18, 19, 24
EPH05/18/..	276	110	20	165	5	140	M10	62	52	72	14, 16, 17, 18, 19, 24
EPH05/20/..	276	130	20	165	5	140	M10	62	52	72	14, 16, 17, 18, 19, 24
EPH05/26/..	276	110	16	130	5	115	M8	62	52	61	14, 16, 17, 18, 19, 24
EPH06/19/..	311	114.3	24	200	5	174	M12	97	82	89	35
EPH07/20/..	291	130	24	165	5	155	M10	77	62	80	22, 24, 28, 32
EPH07/21/..	291	130	24	215	5	190	M12	77	62	97	22, 24, 28, 32
EPH07/22/..	291	180	24	215	5	190	M12	77	62	97	22, 24, 28, 32
EPH07/27/..	291	130	24	165	5	137	M10	77	62	72	22, 24, 28, 32
EPH07/28/..	291	155	24	190	5	162	M10	77	62	84	22, 24, 28, 32



14.2.27 PSBF 821/822 EPH.. [Nm]

[Nm]		EPH																	
		M_{amax} M_{apk} $M_{aNotaus}$																	
	i	05			06			07			08			09			10		
 1	5.00													1750	2500	2660	1750	2500	3750
	7.00													1750	2740	3720	1750	2740	4110
	10.00													1750	2060	3090	1750	2060	3090
 2	20.00	1750	2500	3750	1750	2500	3750	1750	2500	3750	1750	2500	3750						
	25.00	1750	2500	3750	1750	2500	3750	1750	2500	3750	1750	2500	3750						
	35.00	1750	2500	3750	1750	2500	3750	1750	2500	3750	1750	2500	3750						
	49.00	1750	2740	4110	1750	2740	4110	1750	2740	4110	1750	2740	4110						
	70.00	1750	2740	4110	1750	2740	4110	1750	2740	4110	1750	2740	4110						
	100.00	1750	2060	3090	1750	2060	3090	1750	2060	3090	1750	2060	3090						

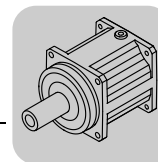
m [kg]		EPH						
	s	05	06	07	08	09	10	
PSBF821	 1	36	38	38	42	50	53	
PSBF822	 2	50	51	52	56	64	66	

EPH05 n _e = 1500							c _T PSBF	F _{Ramax} PSBF	F _{Rapk} PSBF
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]	[Nm/°]	[N]	[N]
PSBF822  2	20.00	1750	2500	3750	290	8.7	1052	100200	180000
	25.00	1750	2500	3750	280	6.6	1092	107100	180000
	35.00	1750	2500	3750	200	4.6	1076	118500	180000
	49.00	1750	2740	4110	143	4.2	977	131100	180000
	70.00	1750	2740	4110	100	3.4	902	145900	180000
	100.00	1750	2060	3090	70	3.3	572	162400	180000

EPH06 n _e = 1500							c _T PSBF	F _{Ramax} PSBF	F _{Rapk} PSBF
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]	[Nm/°]	[N]	[N]
PSBF822  2	20.00	1750	2500	3750	290	12	1159	100200	180000
	25.00	1750	2500	3750	280	9.7	1163	107100	180000
	35.00	1750	2500	3750	200	7.5	1084	118500	180000
	49.00	1750	2740	4110	143	7.1	981	131100	180000
	70.00	1750	2740	4110	100	6.2	905	145900	180000
	100.00	1750	2060	3090	70	6.1	573	162400	180000

EPH07 n _e = 1500							c _T PSBF	F _{Ramax} PSBF	F _{Rapk} PSBF
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]	[Nm/°]	[N]	[N]
PSBF822  2	20.00	1750	2500	3750	290	12	1160	100200	180000
	25.00	1750	2500	3750	280	9.8	1163	107100	180000
	35.00	1750	2500	3750	200	7.6	1093	118500	180000
	49.00	1750	2740	4110	143	7.2	985	131100	180000
	70.00	1750	2740	4110	100	6.4	905	145900	180000
	100.00	1750	2060	3090	70	6.2	573	162400	180000

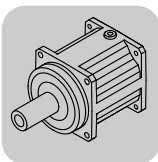
EPH08 n _e = 1500							c _T PSBF	F _{Ramax} PSBF	F _{Rapk} PSBF
	i	M _{amax} [Nm]	M _{apk} [Nm]	M _{aNotaus} [Nm]	n _{ak} [1/min]	J _{GA} 10 ⁻⁴ [kgm ²]	[Nm/°]	[N]	[N]
PSBF822  2	20.00	1750	2500	3750	290	18	1184	100200	180000
	25.00	1750	2500	3750	280	16	1179	107100	180000
	35.00	1750	2500	3750	200	14	1098	118500	180000
	49.00	1750	2740	4110	143	13	986	131100	180000
	70.00	1750	2740	4110	100	12	905	145900	180000
	100.00	1750	2060	3090	70	12	573	162400	180000



EPH09 $n_e = 1500$									
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSBF [Nm/']	F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]
PSBF821  1	5.00	1750	2500	2660	290	67	953	66100	180000
	7.00	1750	2740	3720	255	44	908	73100	180000
	10.00	1750	2060	3090	233	32	567	81400	180000

EPH10 $n_e = 1500$									
	i	M_{amax} [Nm]	M_{apk} [Nm]	$M_{aNotaus}$ [Nm]	n_{ak} [1/min]	$J_{GA} 10^{-4}$ [kgm ²]	c_T PSBF [Nm/']	F_{Ramax} PSBF [N]	F_{Rapk} PSBF [N]
PSBF821  1	5.00	1750	2500	3750	290	91	1152	66100	180000
	7.00	1750	2740	4110	255	68	994	73100	180000
	10.00	1750	2060	3090	233	56	584	81400	180000

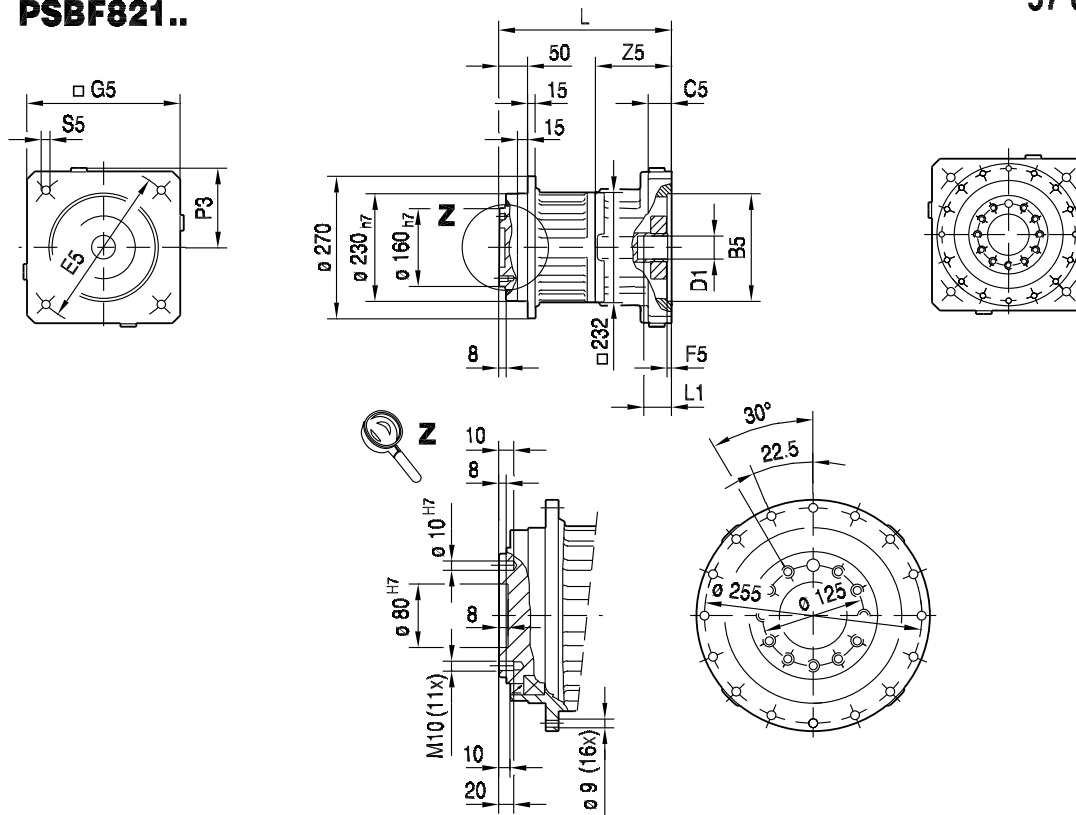
EPH															
	i	n_{epk} [1/min]	η [%]	M1;M3;M5-6			M2			M4			φ [']	/R [']	/M [']
				a_0	a_1	a_2	a_0	a_1	a_2	a_0	a_1	a_2			
PSBF821  1	5.00	4500	99	4471	-8.247	0	5349	-12.863	0	6853	-24.727	0	4	2	1
	7.00	4500	99	5039	-10.347	0	5819	-14.853	0	7333	-27.386	0	4	2	1
	10.00	4500	99	4719	-11.159	0	5315	-14.717	0	6753	-26.550	0	4	2	1
PSBF822  2	20.00	6000	98	4416	-21.396	0	5069	-31.290	0	6192	-54.460	0	6	3	1
	25.00	6000	98	4450	-21.888	0	5106	-31.768	0	6237	-55.183	0	6	3	1
	35.00	6000	98	4592	-23.660	0	5266	-33.916	0	6431	-58.264	0	6	3	1
	49.00	6000	98	5417	-33.382	0	6507	-53.318	0	7429	-77.782	0	6	3	1
	70.00	6000	98	5506	-37.270	0	6516	-56.809	0	7406	-81.296	0	6	3	1
	100.00	6000	98	6006	-52.245	0	7651	-89.531	0	8327	-113.9	0	6	3	1



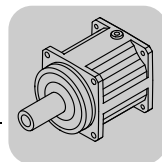
14.2.28 PSBF 821/822 EPH.. [mm]

PSBF821..

57 032 00 03

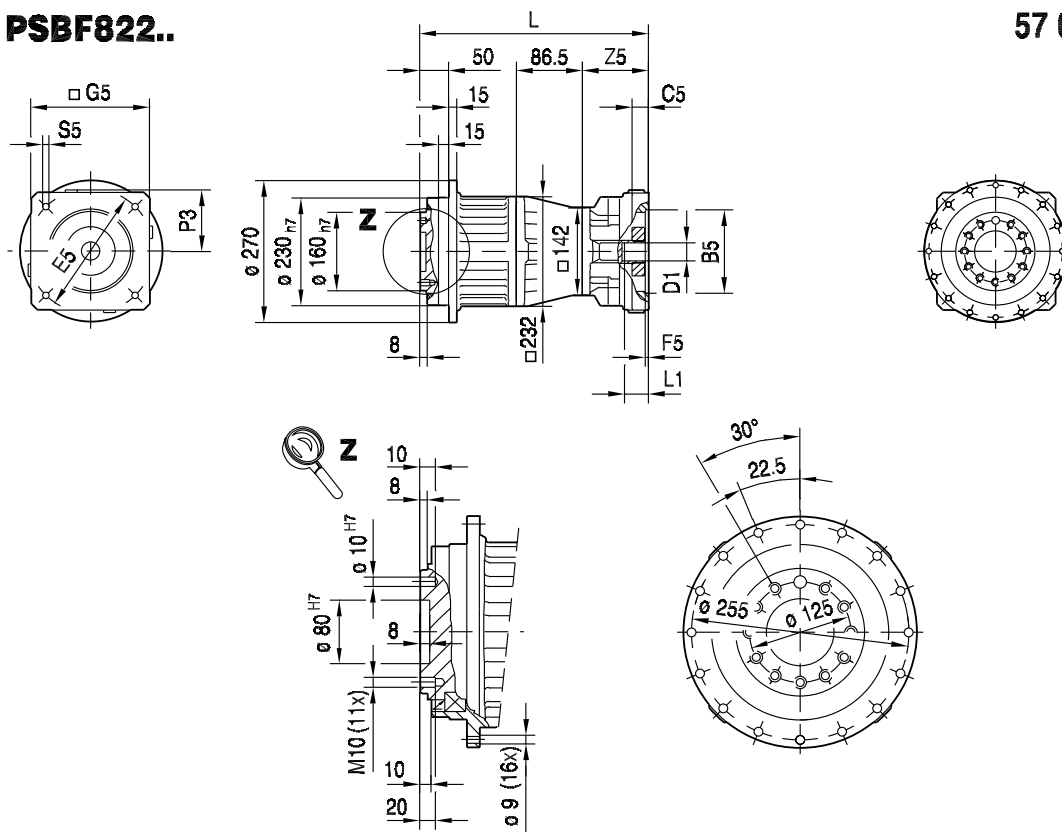


(→  144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→  537)
EPH09/22/..	265	180	36	215	5	190	M12	99	85	97	32, 35, 38, 42
EPH09/23/..	295	230	30	265	5	240	M12	129	115	122	32, 35, 38, 42
EPH09/24/..	295	250	30	300	6	260	M16	129	115	132	32, 35, 38, 42
EPH09/25/..	295	300	30	350	6	310	M16	129	115	132	32, 35, 38, 42
EPH10/22/..	289	180	30	215	6	190	M12	123	85	132	48, 55
EPH10/23/..	289	230	30	265	6	240	M12	123	115	132	48, 55
EPH10/24/..	295	250	30	300	6	260	M16	129	115	132	48, 55
EPH10/25/..	295	300	30	350	6	310	M16	129	115	157	48, 55

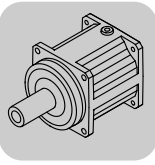


PSBF822..

57 033 00 03



(→ 144)	L	B5	C5	E5	F5	G5	S5	Z5	L1	P3	D1 (→ 537)
EPH05/14/..	307	95	16	115	4	120	M8	54	52	62	14, 16, 17, 18, 19, 24
EPH05/15/..	307	95	16	130	4	120	M8	54	52	62	14, 16, 17, 18, 19, 24
EPH05/16/..	307	110	16	130	5	120	M8	54	52	62	14, 16, 17, 18, 19, 24
EPH05/17/..	307	110	16	145	7	120	M8	54	52	62	14, 16, 17, 18, 19, 24
EPH05/18/..	307	110	20	165	5	140	M10	54	52	72	14, 16, 17, 18, 19, 24
EPH05/20/..	307	130	20	165	5	140	M10	54	52	72	14, 16, 17, 18, 19, 24
EPH05/26/..	307	110	16	130	5	115	M8	54	52	61	14, 16, 17, 18, 19, 24
EPH06/19/..	342	114.3	24	200	5	174	M12	89	82	89	35
EPH07/20/..	322	130	24	165	5	155	M10	69	62	80	22, 24, 28, 32
EPH07/21/..	322	130	24	215	5	190	M12	69	62	97	22, 24, 28, 32
EPH07/22/..	322	180	24	215	5	190	M12	69	62	97	22, 24, 28, 32
EPH07/27/..	322	130	24	165	5	137	M10	69	62	72	22, 24, 28, 32
EPH07/28/..	322	155	24	190	5	162	M10	69	62	84	22, 24, 28, 32
EPH08/21/..	347	130	24	215	5	190	M12	94	82	97	32, 35, 38
EPH08/22/..	347	180	24	215	5	190	M12	94	82	97	32, 35, 38

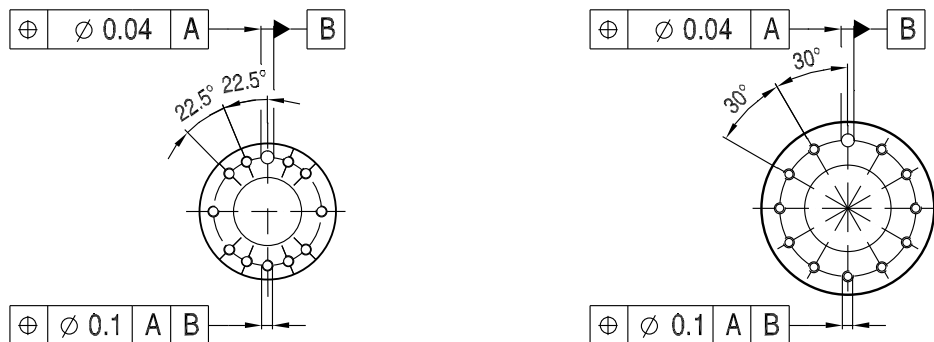


14.2.29 PSBF EPH.. [mm]

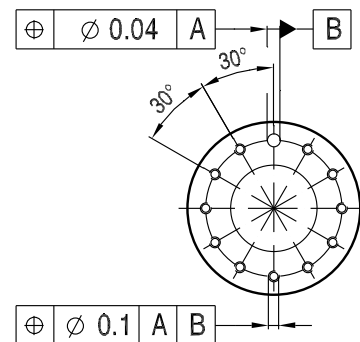
55 035 02 03



BSBF202 PSBF221/222
BSBF302 PSBF321/322

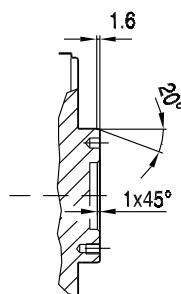


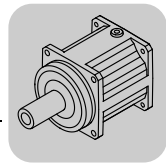
BSBF402 PSBF521/522
BSBF502



BSBF602 PSBF621/622
BSBF802 PSBF721/722
PSBF821/822

55 036 00 03





14.3 PS.F EPH.. → D1 [mm]

PS.F121 PS.F122 PS.F221 PS.F222 PS.F322	PS.F121 PS.F122 PS.F221 PS.F222 PS.F322	PS.F221 PS.F322	PS.F221 PS.F321 PS.F322 PS.F521 PS.F522 PS.F622 PS.F722	PS.F321 PS.F521 PS.F522 PS.F621 PS.F622 PS.F721 PS.F722 PS.F822 PS.F922	PS.F521 PS.F621 PS.F622 PS.F721 PS.F722 PS.F822 PS.F922	PS.F521 PS.F621 PS.F622 PS.F721 PS.F722 PS.F822 PS.F922	PS.F621 PS.F721 PS.F822 PS.F922	PS.F821 PS.F921	PS.F821 PS.F921
EPH01	EPH02	EPH03	EPH04	EPH05	EPH06	EPH07	EPH08	EPH09	EPH10
D1 [mm]	Code number for mountable motor shaft diameter D1								
8		01	01						
9	02	02	02						
10		03	03						
11	04	04	04	04					
12		05	05	05					
14		06	06	06	06				
16				08	08				
17					09				
18					10				
19				11	11				
22							12		
24					13		13		
28							14		
32							15	15	15
35						16		16	16
38								17	17
42									18
48									19
55									20

Example:

PS.F.EPH 05 /14 /11

