




P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>0.12</b>	1.0	780	2.2	1343.79	21.0	22.0	30.0	30.0	<b>PD 42/12 - 63M/4A PM 42/12 - 63M/4A</b>	66	121
	1.2	624	2.6	1111.10	22.0	22.0	30.0	30.0			
	1.5	499	3.5	874.48	22.0	22.0	31.0	30.0			
	1.8	416	4.2	699.58	22.0	22.0	31.0	30.0			
	1.0	*1007	0.8	918.90	14.0	15.0	21.0	20.0	<b>PD 33 - 63M/6 PM 33 - 63M/6</b>	49	103
	1.1	1021	0.9	808.52	14.0	15.0	21.0	20.0			
	1.3	864	0.9	1022.54	15.0	15.0	22.0	20.0	<b>PD 33 - 63M/4A PM 33 - 63M/4A</b>	49	103
	1.4	803	1.0	918.90	15.0	15.0	22.0	20.0			
	1.6	702	1.4	808.52	15.0	15.0	22.0	20.0			
	1.8	624	1.4	726.57	15.0	15.0	22.0	20.0			
	2.2	511	1.8	584.11	16.0	15.0	22.0	20.0			
	2.8	416	1.9	482.75	16.0	15.0	23.0	20.0			
	3.3	351	2.0	408.42	16.0	15.0	23.0	20.0			
	1.0	*637	0.8	1423.90	7.0	12.0	12.0	15.0	<b>PD\PM 22/02 - 63M/4A</b>	35	121
	1.1	*537	0.8	762.96	8.0	12.0	13.0	15.0	<b>PD 23 - 63M/6 PM 23 - 63M/6</b>	34	101
	1.4	*638	0.8	622.96	7.0	12.0	12.0	15.0			
	1.7	*537	0.8	762.96	8.0	12.0	13.0	15.0	<b>PD 23 - 63M/4A PM 23 - 63M/4A</b>	34	101
	2.1	535	1.0	622.96	8.0	12.0	13.0	15.0			
	2.8	416	1.1	482.49	9.0	12.0	13.0	15.0			
	3.4	340	1.4	390.87	9.0	12.0	14.0	15.0			
	4.0	288	1.8	330.43	10.0	12.0	14.0	15.0			
	4.8	239	2.2	276.32	10.0	12.0	14.0	15.0			
	5.6	204	2.2	235.73	10.0	12.0	14.0	15.0			
	1.0	*356	0.8	1363.09	5.0	7.0	8.0	7.0	<b>PD 12/02 - 63M/4A PM 12/02 - 63M/4A</b>	24	121
	1.2	*356	0.8	1064.65	5.0	7.0	8.0	7.0			
	1.6	*356	0.8	824.73	5.0	7.0	8.0	7.0			
	1.9	*356	0.8	662.28	5.0	7.0	8.0	7.0			
	2.4	312	0.9	546.25	6.0	7.0	9.0	7.0			
	3.3	234	1.1	405.92	6.0	7.0	9.0	7.0			
	3.5	330	1.0	381.45	6.0	7.0	8.0	11.0	<b>PD C13 - 63M/4A PM C13 - 63M/4A</b>	22	97
	4.4	262	1.3	301.82	6.0	7.0	8.0	11.0			
	5.1	224	1.5	257.32	7.0	7.0	8.0	11.0			
	6.4	178	1.9	203.60	7.0	7.0	8.0	11.0			
	8.4	137	2.5	158.12	7.0	7.0	8.0	11.0			
	1.4	*272	0.8	633.80	6.0	7.0	-	-	<b>PD 13 - 63M/6 PM 13 - 63M/6</b>	20	99
	1.6	*275	0.8	556.59	6.0	7.0	-	-			
	1.9	*275	0.8	472.42	6.0	7.0	-	-			
	2.1	*272	0.8	633.80	6.0	7.0	-	-	<b>PD 13 - 63M/4A PM 13 - 63M/4A</b>	20	99
	2.4	*275	0.8	556.59	6.0	7.0	-	-			
	2.9	*275	0.8	472.42	6.0	7.0	-	-			
	3.3	*275	0.8	414.87	6.0	7.0	-	-			
	3.7	*275	0.8	368.83	6.0	7.0	-	-			
	4.6	250	1.0	301.08	6.0	7.0	-	-			
	5.5	208	1.2	251.58	6.0	7.0	-	-			
	6.6	172	1.2	209.76	7.0	7.0	-	-			
	8.1	142	1.3	109.45	7.0	7.0	10.0	7.0	<b>PD 12 - 63M/6 PM 12 - 63M/6</b>	16	98
	9.6	120	1.8	92.43	7.0	7.0	10.0	7.0			
	11.2	102	2.6	81.17	7.0	7.0	10.0	7.0			
	12.2	94	2.0	109.45	7.0	7.0	10.0	7.0	<b>PD 12 - 63M/4A PM 12 - 63M/4A</b>	16	98
	14.3	80	2.6	92.43	7.0	7.0	10.0	7.0			
	16.3	71	4.1	81.17	7.0	7.0	10.0	7.0			
	9.5	121	0.9	139.15	5.0	5.0	7.0	5.0	<b>PD B02 - 63M/4A PM B02 - 63M/4A</b>	10	96
	13.3	86	1.4	103.09	5.0	5.0	7.0	5.0			
	15.3	74	1.7	85.67	5.0	5.0	7.0	5.0			
	16.3	71	1.7	79.42	5.0	5.0	7.0	5.0			
	20.4	56	2.2	66.00	5.0	5.0	7.0	5.0			

\* max. çıkış momenti f<sub>B</sub> = 0.8

\* max. output torque with f<sub>B</sub> = 0.8

**0.12 kW**  
**0.18 kW**



$P_1$ [kW]	$n_2$ [Min <sup>-1</sup> ]	$M_2$ [Nm]	$f_B$	$i_{ges}$	$F_R$ [kN]	$F_A$ [kN]	$F_{RGR}$ [kN]	$F_{AGR}$ [kN]	Tip / Type	 Kg	Sayfa Page mm
<b>0.12</b>	16.3	71	0.9	81.73	5.0	5.0	5.0	8.0	<b>PD A02 - 63M/4A</b> <b>PM A02 - 63M/4A</b>	7	95
	22.4	51	2.0	59.32	5.0	5.0	5.0	8.0			
	26.5	43	2.2	49.62	5.0	5.0	5.0	8.0			
	31.6	36	2.2	41.88	5.0	5.0	5.0	8.0			
	34.7	33	2.9	37.71	5.0	5.0	5.0	8.0			
	37.7	30	3.3	34.80	5.0	5.0	5.0	8.0			
	41.8	27	3.4	31.83	5.0	5.0	5.0	8.0			
	44.9	25	4.2	29.11	5.0	5.0	5.0	8.0			
	54.1	22	5.4	24.57	4.0	5.0	5.0	8.0			
	59.2	20	5.5	22.34	4.0	5.0	5.0	8.0			
	70.4	17	5.7	18.77	4.0	5.0	5.0	8.0			
	79.6	15	6.8	16.54	4.0	5.0	5.0	8.0			
	87.7	13	5.6	14.91	4.0	5.0	5.0	8.0			
	94.9	12	8.9	13.83	4.0	5.0	5.0	8.0			
	113.2	10	10.7	11.67	4.0	5.0	5.0	8.0			
	138.7	8	12.8	9.49	3.0	5.0	5.0	8.0			
	152.0	8	12.8	8.63	3.0	5.0	5.0	8.0			
	181.6	6	12.8	7.25	3.0	5.0	5.0	8.0			
	207.1	6	14.3	6.35	3.0	5.0	5.0	8.0			
	246.8	5	14.3	5.33	3.0	5.0	5.0	8.0			
310.1	4	14.3	4.24	3.0	4.0	5.0	8.0				
<b>0.18</b>	1.2	1092	2.5	1094.40	31.0	32.0	44.0	40.0	<b>PD\PM 52/12 - 63M/4B</b>	101	121
	1.0	1324	1.2	1343.79	20.0	22.0	29.0	30.0	<b>PD 42/12 - 63M/4B</b> <b>PM 42/12 - 63M/4B</b>	66	121
	1.2	1092	1.5	1111.10	21.0	22.0	30.0	30.0			
	1.5	873	1.9	874.48	21.0	22.0	30.0	30.0			
	1.9	690	2.5	699.58	22.0	22.0	30.0	30.0			
	2.4	546	3.2	557.93	22.0	22.0	31.0	30.0			
	3.3	410	4.3	409.62	22.0	22.0	31.0	30.0			
	4.0	336	5.3	341.25	22.0	22.0	31.0	30.0			
	4.5	298	5.9	302.14	22.0	22.0	31.0	30.0			
	1.2	1403	1.0	782.28	20.0	22.0	29.0	30.0	<b>PD 43 - 71M/6A</b> <b>PM 43 - 71M/6A</b>	72	105
	1.4	1203	1.0	653.66	20.0	22.0	30.0	30.0			
	1.7	991	1.9	532.76	21.0	22.0	30.0	30.0			
	2.1	803	1.9	445.16	21.0	22.0	30.0	30.0			
	1.2	1092	0.8	1068.11	13.0	15.0	21.0	20.0	<b>PD\PM 32/12 - 63M/4B</b>	51	121
	1.6	1053	1.0	808.52	13.0	15.0	21.0	20.0	<b>PD 33 - 63M/4B</b> <b>PM 33 - 63M/4B</b>	49	103
	1.8	936	1.0	726.57	14.0	15.0	21.0	20.0			
	2.3	732	1.2	584.11	15.0	15.0	22.0	20.0			
	2.8	624	1.3	482.75	15.0	15.0	22.0	20.0			
	3.3	526	1.4	408.42	16.0	15.0	22.0	20.0			
	4.7	367	2.3	287.08	16.0	15.0	23.0	20.0			
	5.8	296	3.3	230.79	16.0	15.0	23.0	20.0			
	7.0	244	3.5	190.74	16.0	15.0	23.0	20.0			
	2.0	656	0.8	662.62	7.0	12.0	12.0	15.0	<b>PD 22/02 - 63M/4B</b> <b>PM 22/02 - 63M/4B</b>	35	121
	2.7	504	1.0	514.10	8.0	12.0	13.0	15.0			
	2.8	624	0.8	482.49	7.0	12.0	12.0	15.0	<b>PD 23 - 63M/4B</b> <b>PM 23 - 63M/4B</b>	34	101
	3.5	496	1.0	390.87	8.0	12.0	13.0	15.0			
	4.1	421	1.2	330.43	9.0	12.0	13.0	15.0			
4.9	351	1.4	276.32	9.0	12.0	14.0	15.0				
5.7	301	1.4	235.73	10.0	12.0	14.0	15.0				
7.3	234	2.0	185.19	10.0	12.0	14.0	15.0				
7.4	230	1.5	127.46	10.0	12.0	14.0	15.0	<b>PD 22 - 71M/6A</b> <b>PM 22 - 71M/6A</b>	28	100	
9.1	189	2.0	104.07	10.0	12.0	14.0	15.0				
9.4	183	2.2	100.98	10.0	12.0	14.0	15.0				
4.1	327	0.9	328.02	6.0	7.0	9.0	7.0	<b>PD 12/02 - 63M/4B</b> <b>PM 12/02 - 63M/4B</b>	24	121	
4.8	278	1.0	284.03	6.0	7.0	9.0	7.0				
5.9	226	1.2	229.52	6.0	7.0	9.0	7.0				



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm	
<b>0.18</b>	3.6	481	0.8	381.45	4.0	7.0	8.0	11.0	<b>PD C13 - 63M/4B</b> <b>PM C13 - 63M/4B</b>	22	97	
	4.5	383	0.9	301.82	5.0	7.0	8.0	11.0				
	5.2	330	1.0	257.32	6.0	7.0	8.0	11.0				
	6.6	259	1.3	203.60	6.0	7.0	8.0	11.0				
	8.6	201	1.7	158.12	7.0	7.0	8.0	11.0				
	9.9	173	2.0	136.60	7.0	7.0	8.0	11.0				
	11.2	153	2.2	118.16	7.0	7.0	8.0	11.0				
	12.2	140	2.5	106.08	7.0	7.0	8.0	11.0				
	13.3	129	2.6	101.14	7.0	7.0	8.0	11.0				
	5.5	312	0.9	251.58	6.0	7.0	-	-	<b>PD 13 - 63M/4B</b> <b>PM 13 - 63M/4B</b>	20	99	
	6.6	259	0.9	209.76	6.0	7.0	-	-				
	8.6	201	1.0	109.45	7.0	7.0	9.0	7.0	<b>PD 12 - 71M/6A</b> <b>PM 12 - 71M/6A</b>	17	98	
	10.2	169	1.2	92.43	7.0	7.0	9.0	7.0				
	11.2	153	1.8	81.17	7.0	7.0	10.0	7.0				
	12.2	140	1.4	109.45	7.0	7.0	10.0	7.0	<b>PD 12 - 63M/4B</b> <b>PM 12 - 63M/4B</b>	16	98	
	14.3	121	1.8	92.43	7.0	7.0	10.0	7.0				
	16.3	105	2.6	81.17	7.0	7.0	10.0	7.0				
	20.4	84	3.1	66.26	6.0	7.0	10.0	7.0				
	13.3	129	1.0	103.09	5.0	5.0	7.0	5.0	<b>PD B02 - 63M/4B</b> <b>PM B02 - 63M/4B</b>	10	96	
	15.3	113	1.1	85.67	5.0	5.0	7.0	5.0				
	17.3	99	1.2	79.42	5.0	5.0	7.0	5.0				
	20.4	84	1.5	66.00	5.0	5.0	7.0	5.0				
	23.5	74	2.0	56.55	5.0	5.0	7.0	5.0				
	26.5	65	2.0	51.60	5.0	5.0	7.0	5.0				
	30.6	56	2.8	44.23	5.0	5.0	7.0	5.0				
	33.7	51	3.2	40.35	5.0	5.0	7.0	5.0				
	22.4	76	1.3	59.32	5.0	5.0	5.0	8.0	<b>PD A02 - 63M/4B</b> <b>PM A02 - 63M/4B</b>	7	95	
	27.5	63	1.5	49.62	5.0	5.0	5.0	8.0				
	32.6	53	1.5	41.88	5.0	5.0	5.0	8.0				
	35.7	48	1.9	37.71	5.0	5.0	5.0	8.0				
	38.8	44	2.2	34.80	5.0	5.0	5.0	8.0				
	42.8	40	2.2	31.83	5.0	5.0	5.0	8.0				
	45.9	37	2.8	29.11	5.0	5.0	5.0	8.0				
	55.1	31	3.6	24.57	4.0	5.0	5.0	8.0				
	60.2	28	3.7	22.34	4.0	5.0	5.0	8.0				
	72.4	24	3.9	18.77	4.0	5.0	5.0	8.0				
81.6	21	4.7	16.54	4.0	5.0	5.0	8.0					
90.8	19	3.9	14.91	4.0	5.0	5.0	8.0					
97.9	18	6.1	13.83	4.0	5.0	5.0	8.0					
116.3	15	7.3	11.67	3.0	5.0	5.0	8.0					
142.8	12	8.8	9.49	3.0	5.0	5.0	8.0					
156.1	11	8.7	8.63	3.0	5.0	5.0	8.0					
186.7	9	8.8	7.25	3.0	5.0	5.0	8.0					
213.2	8	9.8	6.35	3.0	5.0	5.0	8.0					
253.0	7	9.8	5.33	3.0	4.0	5.0	8.0					
319.3	6	9.8	4.24	3.0	4.0	5.0	8.0					
<b>0.25</b>	1.3	1512	1.8	1094.40	31.0	32.0	44.0	40.0	<b>PD 52/12 - 71M/4A</b> <b>PM 52/12 - 71M/4A</b>	102	121	
	1.6	1228	2.2	861.34	31.0	32.0	44.0	40.0				
	2.0	983	2.9	689.07	31.0	32.0	44.0	40.0				
	1.0	1966	0.9	1343.79	17.0	22.0	27.0	30.0	<b>PD 42/12 - 71M/4A</b> <b>PM 42/12 - 71M/4A</b>	67	121	
	1.2	1638	1.0	1111.10	19.0	22.0	28.0	30.0				
	1.6	1228	1.3	874.48	20.0	22.0	30.0	30.0				
	2.0	983	1.7	699.58	21.0	22.0	30.0	30.0				
	2.6	786	2.0	557.93	21.0	22.0	30.0	30.0				

# 0.25 kW



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
0.25	1.2	1950	0.8	1129.42	17.0	22.0	27.0	30.0	PD 43 - 71M/4A PM 43 - 71M/4A	72	105
	1.8	1299	1.0	782.28	20.0	22.0	29.0	30.0			
	2.1	1114	1.0	653.66	21.0	22.0	30.0	30.0			
	2.7	900	2.0	532.76	21.0	22.0	30.0	30.0			
	3.2	755	2.0	445.16	22.0	22.0	30.0	30.0			
	3.6	668	2.8	391.14	22.0	22.0	30.0	30.0			
	4.3	557	3.3	326.83	22.0	22.0	31.0	30.0			
	5.2	459	3.4	272.49	22.0	22.0	31.0	30.0			
	1.9	1232	0.8	726.57	12.0	15.0	20.0	20.0	PD 33 - 71M/4A PM 33 - 71M/4A	50	103
	2.4	975	1.0	584.11	14.0	15.0	21.0	20.0			
	3.0	807	1.0	482.75	15.0	15.0	22.0	20.0			
	3.5	688	1.0	408.42	15.0	15.0	22.0	20.0			
	4.9	487	1.8	287.08	16.0	15.0	23.0	20.0			
	6.1	390	2.3	230.79	16.0	15.0	23.0	20.0			
	7.3	325	2.5	190.74	16.0	15.0	23.0	20.0			
	8.4	285	2.5	112.23	16.0	15.0	23.0	20.0	PD 32 - 71M/6B PM 32 - 71M/6B	44	102
	9.4	255	3.1	100.85	16.0	15.0	23.0	20.0	PD\PM 32 - 71M/4A	43	102
	12.2	195	3.9	112.23	16.0	15.0	23.0	20.0			
	3.4	596	0.9	424.03	7.0	12.0	12.0	15.0	PD\PM 22/02 - 71M/4A	36	121
	3.6	668	0.8	390.87	7.0	12.0	12.0	15.0	PD 23 - 71M/4A PM 23 - 71M/4A	35	101
	4.3	557	1.0	330.43	8.0	12.0	13.0	15.0			
	5.1	468	1.1	276.32	9.0	12.0	13.0	15.0			
	5.9	404	1.0	235.73	9.0	12.0	13.0	15.0			
	7.4	320	1.1	127.46	9.0	12.0	14.0	15.0	PD 22 - 71M/6B PM 22 - 71M/6B	29	100
	9.1	263	1.4	104.07	10.0	12.0	14.0	15.0			
	9.4	255	1.6	100.98	10.0	12.0	14.0	15.0			
	11.2	213	1.7	127.46	10.0	12.0	14.0	15.0	PD\PM 22 - 71M/4A	28	100
	5.5	433	0.8	257.32	5.0	7.0	8.0	11.0	PD C13 - 71M/4A PM C13 - 71M/4A	23	97
	6.9	344	1.0	203.60	6.0	7.0	8.0	11.0			
	8.9	269	1.2	158.12	6.0	7.0	8.0	11.0			
	10.2	234	1.4	136.60	7.0	7.0	8.0	11.0			
	12.2	195	1.8	118.16	7.0	7.0	8.0	11.0			
	13.3	180	1.9	106.08	7.0	7.0	8.0	11.0			
	14.3	168	2.0	101.14	7.0	7.0	8.0	11.0			
	16.3	146	2.3	88.94	7.0	7.0	8.0	11.0			
	8.7	275	0.8	163.92	6.0	7.0	-	-	PD\PM 13 - 71M/4A	21	99
	10.2	234	1.0	92.43	6.0	7.0	9.0	7.0	PD 12 - 71M/6B PM 12 - 71M/6B	18	98
	11.2	213	1.3	81.17	6.0	7.0	9.0	7.0			
	13.3	180	1.0	109.45	7.0	7.0	9.0	7.0	PD 12 - 71M/4A PM 12 - 71M/4A	17	98
	15.3	156	1.4	92.43	7.0	7.0	9.0	7.0			
	17.3	137	2.0	81.17	6.0	7.0	10.0	7.0			
	21.4	112	2.2	66.26	6.0	7.0	10.0	7.0			
	25.5	94	2.3	55.37	6.0	7.0	10.0	7.0			
	30.6	78	2.3	46.16	6.0	7.0	10.0	7.0			
	16.3	146	0.9	85.67	5.0	5.0	7.0	5.0	PD B02 - 71M/4A PM B02 - 71M/4A	11	96
	17.3	137	0.9	79.42	5.0	5.0	7.0	5.0			
	21.4	112	1.1	66.00	5.0	5.0	7.0	5.0			
24.5	97	1.5	56.55	5.0	5.0	7.0	5.0				
27.5	86	1.6	51.60	5.0	5.0	7.0	5.0				
31.6	75	2.0	44.23	5.0	5.0	7.0	5.0				
34.7	69	2.2	40.35	5.0	5.0	7.0	5.0				
40.8	59	2.5	34.16	5.0	5.0	7.0	5.0				
46.9	51	2.3	30.08	4.0	5.0	7.0	5.0				



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>0.25</b>	23.5	102	1.0	59.32	5.0	5.0	5.0	8.0	<b>PD A02 - 71M/4A</b> <b>PM A02 - 71M/4A</b>	8	95
	28.6	83	1.1	49.62	5.0	5.0	5.0	8.0			
	33.7	71	1.1	41.88	5.0	5.0	5.0	8.0			
	37.7	64	1.4	37.71	5.0	5.0	5.0	8.0			
	40.8	59	1.6	34.80	5.0	5.0	5.0	8.0			
	43.9	55	1.6	31.83	4.0	5.0	5.0	8.0			
	47.9	50	2.0	29.11	4.0	5.0	5.0	8.0			
	57.1	42	2.5	24.57	4.0	5.0	5.0	8.0			
	63.2	38	2.6	22.34	4.0	5.0	5.0	8.0			
	74.5	32	2.8	18.77	4.0	5.0	5.0	8.0			
	84.7	28	3.5	16.54	4.0	5.0	5.0	8.0			
	93.8	25	2.8	14.91	4.0	5.0	5.0	8.0			
	102.0	24	4.6	13.83	4.0	5.0	5.0	8.0			
	120.4	20	5.4	11.67	3.0	5.0	5.0	8.0			
	147.9	16	6.5	9.49	3.0	5.0	5.0	8.0			
	163.2	15	6.6	8.63	3.0	5.0	5.0	8.0			
	193.8	13	6.6	7.25	3.0	5.0	5.0	8.0			
	221.3	11	7.3	6.35	3.0	5.0	5.0	8.0			
263.2	9	7.3	5.33	3.0	4.0	5.0	8.0				
331.5	7	7.3	4.24	2.0	4.0	5.0	8.0				
<b>0.37</b>	1.0	3089	2.0	1342.44	57.0	58.0	81.0	80.0	<b>PD\PM 73/22 - 71M/4B</b>	266	122
	1.1	2808	1.8	1260.77	39.0	47.0	57.0	60.0	<b>PD 63/22 - 71M/4B</b> <b>PM 63/22 - 71M/4B</b>	193	122
	1.2	2573	2.0	1104.71	40.0	47.0	57.0	60.0			
	1.7	1817	2.8	821.10	41.0	47.0	58.0	60.0			
	2.1	1471	3.6	637.34	41.0	47.0	58.0	60.0			
	1.0	3089	1.0	1333.49	25.0	32.0	40.0	40.0	<b>PD 52/12 - 71M/4B</b> <b>PM 52/12 - 71M/4B</b>	103	121
	1.2	2573	1.0	1094.40	28.0	32.0	42.0	40.0			
	1.3	2664	1.1	699.67	27.0	32.0	42.0	40.0	<b>PD 53 - 80M/6A</b> <b>PM 53 - 80M/6A</b>	114	107
	1.6	2164	1.2	570.63	29.0	32.0	43.0	40.0			
	1.8	1924	1.5	524.75	30.0	32.0	43.0	40.0			
	2.2	1574	1.9	427.97	30.0	32.0	44.0	40.0			
	2.7	1332	2.0	361.64	31.0	32.0	44.0	40.0			
	3.5	1018	2.5	270.40	31.0	32.0	44.0	40.0			
	1.6	1931	0.9	874.48	17.0	22.0	27.0	30.0	<b>PD\PM 42/12 - 71M/4B</b>	68	121
	1.7	2037	1.0	532.76	17.0	22.0	27.0	30.0	<b>PD 43 - 80M/6A</b> <b>PM 43 - 80M/6A</b>	75	105
	2.1	1649	1.0	445.16	19.0	22.0	28.0	30.0			
	2.7	1332	1.4	532.76	20.0	22.0	29.0	30.0	<b>PD 43 - 71M/4B</b> <b>PM 43 - 71M/4B</b>	73	105
	3.2	1117	1.4	445.16	21.0	22.0	30.0	30.0			
	3.6	990	1.9	391.14	21.0	22.0	30.0	30.0			
	4.3	824	2.0	326.83	21.0	22.0	30.0	30.0			
	5.1	693	2.0	272.49	22.0	22.0	30.0	30.0			
	7.2	488	4.0	191.52	22.0	22.0	31.0	30.0			
	8.7	408	4.0	160.03	22.0	22.0	31.0	30.0			
	3.0	1065	0.8	461.30	13.0	15.0	21.0	20.0	<b>PD 32/12 - 71M/4B</b> <b>PM 32/12 - 71M/4B</b>	53	121
	3.9	812	1.0	358.19	15.0	15.0	22.0	20.0			
	4.8	737	1.1	287.08	15.0	15.0	22.0	20.0	<b>PD 33 - 71M/4B</b> <b>PM 33 - 71M/4B</b>	51	103
	6.0	587	1.6	230.79	16.0	15.0	22.0	20.0			
7.2	488	1.6	190.74	16.0	15.0	23.0	20.0				
8.5	417	1.7	112.23	16.0	15.0	23.0	20.0				
9.4	376	2.0	100.85	16.0	15.0	23.0	20.0	<b>PD 32 - 80M/6A</b> <b>PM 32 - 80M/6A</b>	46	102	
10.2	346	2.5	88.74	16.0	15.0	23.0	20.0				
12.2	288	2.5	112.23	15.0	15.0	23.0	20.0				
13.3	267	2.9	100.85	15.0	15.0	23.0	20.0	<b>PD 32 - 71M/4B</b> <b>PM 32 - 71M/4B</b>	44	102	
4.8	658	0.8	288.06	7.0	12.0	12.0	15.0	<b>PD\PM 22/02 - 71M/4B</b>	37	121	
5.0	707	0.8	276.32	6.0	12.0	11.0	15.0	<b>PD 23 - 71M/4B</b> <b>PM 23 - 71M/4B</b>	36	101	
5.9	597	0.8	235.73	7.0	12.0	12.0	15.0				



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>0.37</b>	7.4	474	0.8	127.46	9.0	12.0	13.0	15.0	<b>PD 22 - 80M/6A PM 22 - 80M/6A</b>	31	100
	9.1	389	1.0	104.07	9.0	12.0	13.0	15.0			
	9.4	376	1.0	100.98	9.0	12.0	13.0	15.0			
	11.2	315	1.1	127.46	9.0	12.0	14.0	15.0	<b>PD 22 - 71M/4B PM 22 - 71M/4B</b>	29	100
	13.3	267	1.5	100.98	10.0	12.0	14.0	15.0			
	17.3	204	2.2	82.45	10.0	12.0	14.0	15.0			
	8.8	403	0.9	158.12	5.0	7.0	8.0	11.0	<b>PD C13 - 71M/4B PM C13 - 71M/4B</b>	24	97
	10.2	346	1.0	136.60	6.0	7.0	8.0	11.0			
	12.2	288	1.2	118.16	6.0	7.0	8.0	11.0			
	13.3	267	1.3	101.14	6.0	7.0	8.0	11.0			
	15.3	231	1.5	88.94	7.0	7.0	8.0	11.0			
	17.3	204	1.7	78.99	7.0	7.0	8.0	11.0			
	20.4	173	2.0	68.23	7.0	7.0	8.0	11.0			
	23.5	151	2.2	60.00	7.0	7.0	8.0	11.0			
26.5	133	2.5	53.28	7.0	7.0	8.0	11.0				
13.3	267	1.0	105.32	6.0	7.0	-	-	<b>PD\PM 13 - 71M/4B</b>	22	99	
	15.3	231	1.0	92.43	6.0	7.0	9.0	7.0	<b>PD 12 - 71M/4B PM 12 - 71M/4B</b>	18	98
	17.3	204	1.3	81.17	6.0	7.0	9.0	7.0			
	19.4	182	1.5	72.16	6.0	7.0	9.0	7.0			
	21.4	165	1.5	66.26	6.0	7.0	9.0	7.0			
	23.5	151	1.7	58.91	6.0	7.0	10.0	7.0			
	25.5	138	1.6	55.37	6.0	7.0	10.0	7.0			
	28.6	123	2.0	49.22	5.0	7.0	10.0	7.0			
	29.6	120	1.5	46.16	5.0	7.0	10.0	7.0			
	33.7	105	1.9	41.04	5.0	7.0	10.0	7.0			
	42.8	82	2.5	32.07	5.0	7.0	10.0	7.0			
	49.0	73	3.1	28.35	5.0	7.0	10.0	7.0			
55.1	64	3.4	25.24	5.0	7.0	10.0	7.0				
	21.4	165	0.8	66.00	5.0	5.0	7.0	5.0	<b>PD B02 - 71M/4B PM B02 - 71M/4B</b>	12	96
	24.5	144	1.0	56.55	5.0	5.0	7.0	5.0			
	26.5	133	1.0	51.60	5.0	5.0	7.0	5.0			
	31.6	112	1.3	44.23	5.0	5.0	7.0	5.0			
	34.7	102	1.5	40.35	4.0	5.0	7.0	5.0			
	40.8	86	1.6	34.16	4.0	5.0	7.0	5.0			
	45.9	77	1.5	30.08	4.0	5.0	7.0	5.0			
	53.0	67	1.8	25.96	4.0	5.0	7.0	5.0			
	61.2	58	2.0	22.68	4.0	5.0	7.0	5.0			
	64.3	55	2.3	21.58	4.0	5.0	7.0	5.0			
	69.4	51	2.3	19.94	4.0	5.0	7.0	5.0			
78.5	45	2.6	17.62	4.0	5.0	7.0	5.0				
	27.5	128	0.8	49.62	5.0	5.0	5.0	8.0	<b>PD A02 - 71M/4B PM A02 - 71M/4B</b>	9	95
	32.6	108	0.8	41.88	4.0	5.0	5.0	8.0			
	36.7	96	1.0	37.71	4.0	5.0	5.0	8.0			
	39.8	89	1.0	34.80	4.0	5.0	5.0	8.0			
	43.9	80	1.1	31.83	4.0	5.0	5.0	8.0			
	47.9	74	1.4	29.11	4.0	5.0	5.0	8.0			
	56.1	63	1.7	24.57	4.0	5.0	5.0	8.0			
	62.2	57	1.8	22.34	4.0	5.0	5.0	8.0			
	73.4	48	1.8	18.77	4.0	5.0	5.0	8.0			
	83.6	42	2.2	16.54	4.0	5.0	5.0	8.0			
	92.8	38	1.8	14.91	3.0	5.0	5.0	8.0			
	100.0	35	3.1	13.83	3.0	5.0	5.0	8.0			
	119.3	29	3.6	11.67	3.0	5.0	5.0	8.0			
	145.9	25	4.4	9.49	3.0	5.0	5.0	8.0			
	160.1	23	4.4	8.63	3.0	5.0	5.0	8.0			
	190.7	19	4.4	7.25	3.0	5.0	5.0	8.0			
	218.3	17	4.9	6.35	3.0	5.0	5.0	8.0			
	260.1	14	4.9	5.33	3.0	4.0	5.0	8.0			
	327.4	11	4.9	4.24	2.0	4.0	5.0	8.0			



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
0.55	1.0	4774	2.3	1362.94	92.0	73.0	100.0	100.0	PD 83/32 - 80M/4A PM 83/32 - 80M/4A	404	122
	1.3	3672	3.2	1061.83	93.0	73.0	100.0	100.0			
	1.0	4774	1.4	1342.44	55.0	58.0	80.0	80.0	PD 73/22 - 80M/4A PM 73/22 - 80M/4A	268	122
	1.3	3672	1.8	1042.00	57.0	58.0	81.0	80.0			
	1.5	3182	2.0	932.25	57.0	58.0	81.0	80.0			
	1.9	2512	2.6	710.29	58.0	58.0	82.0	80.0			
	1.1	4339	1.1	1260.77	34.0	47.0	54.0	60.0	PD 63/22 - 80M/4A PM 63/22 - 80M/4A	195	122
	1.2	3978	1.2	1104.71	36.0	47.0	54.0	60.0			
	1.7	2808	1.8	821.10	39.0	47.0	57.0	60.0			
	2.2	2170	2.2	637.34	40.0	47.0	58.0	60.0			
	2.4	1988	2.5	570.21	41.0	47.0	58.0	60.0			
	3.3	1492	3.5	434.44	41.0	47.0	58.0	60.0			
	1.3	3959	0.8	699.67	20.0	32.0	37.0	40.0	PD\PM 53 - 80M/6B	115	107
	1.5	3432	0.8	936.55	24.0	32.0	39.0	40.0	PD 53 - 80M/4A PM 53 - 80M/4A	114	107
	2.0	2573	1.1	699.67	28.0	32.0	42.0	40.0			
	2.4	2145	1.2	570.63	29.0	32.0	43.0	40.0			
	2.7	1980	1.5	524.75	29.0	32.0	43.0	40.0			
	3.3	1608	1.8	427.97	30.0	32.0	44.0	40.0			
	3.9	1354	1.9	361.64	31.0	32.0	44.0	40.0			
	4.2	1255	2.3	331.54	31.0	32.0	44.0	40.0			
	5.2	1009	2.5	270.40	31.0	32.0	44.0	40.0			
	2.6	1909	0.9	557.93	17.0	22.0	28.0	30.0	PD\PM 42/12 - 80M/4A	70	121
	2.7	1980	1.0	532.76	17.0	22.0	27.0	30.0	PD 43 - 80M/4A PM 43 - 80M/4A	75	105
	3.2	1660	1.0	445.16	19.0	22.0	28.0	30.0			
	3.4	1560	1.2	412.63	19.0	22.0	29.0	30.0			
	3.6	1471	1.2	391.14	19.0	22.0	29.0	30.0			
	4.1	1287	1.2	344.78	20.0	22.0	29.0	30.0			
	4.3	1226	1.4	326.83	20.0	22.0	30.0	30.0			
	4.6	1144	1.7	302.94	21.0	22.0	30.0	30.0			
	5.1	1029	1.4	272.49	21.0	22.0	30.0	30.0			
	5.5	954	1.9	253.13	21.0	22.0	30.0	30.0			
	6.6	792	1.9	211.05	21.0	22.0	30.0	30.0			
	7.3	715	2.5	191.52	22.0	22.0	30.0	30.0			
	8.8	599	2.5	160.03	22.0	22.0	31.0	30.0			
	10.0	525	3.6	140.61	22.0	22.0	31.0	30.0			
	12.2	429	4.0	118.53	22.0	22.0	31.0	30.0			
	13.3	396	4.0	103.86	21.0	22.0	31.0	30.0			
	4.9	1072	0.9	287.08	13.0	15.0	21.0	20.0	PD 33 - 80M/4A PM 33 - 80M/4A	53	103
	6.1	858	1.0	230.79	15.0	15.0	22.0	20.0			
	7.3	715	1.1	190.74	15.0	15.0	22.0	20.0			
8.4	628	1.1	112.23	15.0	15.0	22.0	20.0	PD 32 - 80M/6B PM 32 - 80M/6B	47	102	
9.3	565	1.3	100.85	16.0	15.0	22.0	20.0				
10.2	515	1.7	88.74	15.0	15.0	22.0	20.0				
12.2	429	1.8	79.75	15.0	15.0	23.0	20.0				
12.2	429	1.7	112.23	15.0	15.0	23.0	20.0	PD 32 - 80M/4A PM 32 - 80M/4A	46	102	
14.3	368	2.0	100.85	14.0	15.0	23.0	20.0				
15.3	343	2.5	88.74	14.0	15.0	23.0	20.0				
17.3	303	2.6	79.75	13.0	15.0	23.0	20.0				
19.4	270	1.9	70.52	13.0	15.0	23.0	20.0				
21.4	245	2.9	65.91	13.0	15.0	23.0	20.0				
8.1	605	0.8	175.52	7.0	12.0	12.0	15.0				PD\PM 22/02 - 80M/4A
9.3	565	0.8	100.98	8.0	12.0	12.0	15.0	PD\PM 22 - 80M/6B	32	100	



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>0.55</b>	11.2	468	0.8	127.46	9.0	12.0	13.0	15.0	<b>PD 22 - 80M/4A PM 22 - 80M/4A</b>	31	100
	13.3	396	1.0	104.07	9.0	12.0	13.0	15.0			
	14.3	368	1.1	100.98	9.0	12.0	13.0	15.0			
	17.3	303	1.4	82.45	10.0	12.0	14.0	15.0			
	20.4	258	1.6	69.70	10.0	12.0	14.0	15.0			
	22.4	234	2.0	63.86	10.0	12.0	14.0	15.0			
	25.5	206	2.2	53.98	10.0	12.0	14.0	15.0			
	30.6	172	2.5	45.14	10.0	12.0	14.0	15.0			
	12.2	429	0.8	118.16	5.0	7.0	8.0	11.0	<b>PD C13 - 80M/4A PM C13 - 80M/4A</b>	26	97
	13.3	396	0.9	106.08	5.0	7.0	8.0	11.0			
	14.3	368	1.0	101.14	5.0	7.0	8.0	11.0			
	15.3	343	1.0	88.94	6.0	7.0	8.0	11.0			
	17.3	303	1.1	78.99	6.0	7.0	8.0	11.0			
	20.4	258	1.3	68.23	6.0	7.0	8.0	11.0			
	23.5	223	1.5	60.00	7.0	7.0	8.0	11.0			
	26.5	198	1.7	53.28	6.0	7.0	8.0	11.0			
	31.6	166	1.9	44.40	6.0	7.0	8.0	11.0			
	35.7	147	2.0	38.77	6.0	7.0	8.0	11.0			
	19.4	270	1.0	72.16	5.0	7.0	9.0	7.0	<b>PD 12 - 80M/4A PM 12 - 80M/4A</b>	20	98
	23.5	223	1.1	58.91	5.0	7.0	9.0	7.0			
	28.6	184	1.3	49.22	5.0	7.0	9.0	7.0			
	33.7	156	1.3	41.04	5.0	7.0	9.0	7.0			
	43.9	120	1.8	32.07	5.0	7.0	10.0	7.0			
	50.0	105	2.0	28.35	5.0	7.0	10.0	7.0			
	56.1	94	2.2	25.24	4.0	7.0	10.0	7.0			
	68.3	76	2.8	20.61	4.0	7.0	10.0	7.0			
81.6	65	3.4	17.22	4.0	7.0	10.0	7.0				
	27.5	191	0.8	51.60	4.0	5.0	7.0	5.0	<b>PD B02 - 80M/4A PM B02 - 80M/4A</b>	14	96
	31.6	166	1.0	44.23	4.0	5.0	7.0	5.0			
	34.7	151	1.0	40.35	4.0	5.0	7.0	5.0			
	40.8	128	1.1	34.16	4.0	5.0	7.0	5.0			
	46.9	112	1.0	30.08	4.0	5.0	7.0	5.0			
	54.1	97	1.2	25.96	4.0	5.0	7.0	5.0			
	62.2	84	1.4	22.68	4.0	5.0	7.0	5.0			
	65.3	80	1.6	21.58	4.0	5.0	7.0	5.0			
	70.4	74	1.6	19.94	4.0	5.0	7.0	5.0			
	79.6	66	1.8	17.62	4.0	5.0	7.0	5.0			
	40.8	128	0.8	34.80	4.0	5.0	5.0	8.0	<b>PD A02 - 80M/4A PM A02 - 80M/4A</b>	10	95
	43.9	120	0.8	31.83	4.0	5.0	5.0	8.0			
	47.9	110	1.0	29.11	4.0	5.0	5.0	8.0			
	57.1	92	1.1	24.57	4.0	5.0	5.0	8.0			
	63.2	83	1.2	22.34	4.0	5.0	5.0	8.0			
	74.5	71	1.2	18.77	3.0	5.0	5.0	8.0			
	84.7	62	1.5	16.54	3.0	5.0	5.0	8.0			
	93.8	56	1.2	14.91	3.0	5.0	5.0	8.0			
	101.0	52	2.0	13.83	3.0	5.0	5.0	8.0			
	120.4	44	2.3	11.67	3.0	5.0	5.0	8.0			
	147.9	35	2.9	9.49	3.0	5.0	5.0	8.0			
	162.2	32	2.9	8.63	3.0	5.0	5.0	8.0			
	192.8	27	2.9	7.25	3.0	5.0	5.0	8.0			
	221.3	24	3.3	6.35	3.0	4.0	5.0	8.0			
262.1	20	3.3	5.33	3.0	4.0	5.0	8.0				
330.5	16	3.3	4.24	2.0	4.0	5.0	8.0				





P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>0.75</b>	1.0	6644	1.7	1362.94	90.0	73.0	100.0	100.0	<b>PD 83/32 - 80M/4B</b> <b>PM 83/32 - 80M/4B</b>	405	122
	1.3	5112	2.2	1061.83	92.0	73.0	100.0	100.0			
	1.5	4430	2.5	889.06	92.0	73.0	100.0	100.0			
	1.0	6644	1.0	1342.44	50.0	58.0	77.0	80.0	<b>PD 73/22 - 80M/4B</b> <b>PM 73/22 - 80M/4B</b>	269	122
	1.3	5112	1.3	1042.00	54.0	58.0	79.0	80.0			
	1.5	4430	1.5	932.25	55.0	58.0	80.0	80.0			
	1.9	3498	1.9	710.29	57.0	58.0	81.0	80.0			
	2.4	2769	2.3	570.70	58.0	58.0	82.0	80.0			
	1.1	6041	0.9	1260.77	25.0	47.0	48.0	60.0	<b>PD 63/22 - 80M/4B</b> <b>PM 63/22 - 80M/4B</b>	196	122
	1.2	5537	1.0	1104.71	28.0	47.0	50.0	60.0			
	1.7	4129	1.1	552.15	35.0	47.0	54.0	60.0	<b>PD 63 - 90S/6A</b> <b>PM 63 - 90S/6A</b>	180	109
	2.1	3343	1.1	445.80	38.0	47.0	56.0	60.0			
	2.4	2924	1.9	393.43	39.0	47.0	57.0	60.0			
	3.1	2340	2.2	317.64	40.0	47.0	57.0	60.0			
	3.8	1897	2.2	251.63	41.0	47.0	58.0	60.0			
	4.3	1671	2.2	225.83	41.0	47.0	58.0	60.0			
	1.8	3899	0.8	524.75	21.0	32.0	38.0	40.0	<b>PD\PM 53 - 90S/6A</b>	118	107
	2.0	3509	0.9	699.67	23.0	32.0	39.0	40.0	<b>PD 53 - 80M/4B</b> <b>PM 53 - 80M/4B</b>	115	107
	2.4	2924	0.9	570.63	26.0	32.0	41.0	40.0			
	2.7	2700	1.1	524.75	27.0	32.0	41.0	40.0			
	3.3	2193	1.3	427.97	29.0	32.0	43.0	40.0			
	3.9	1847	1.4	361.64	30.0	32.0	43.0	40.0			
	4.2	1712	1.7	331.54	30.0	32.0	43.0	40.0			
	5.2	1376	1.8	270.40	31.0	32.0	44.0	40.0			
	5.6	1276	2.3	248.66	31.0	32.0	44.0	40.0			
	7.1	1003	2.5	134.05	31.0	32.0	44.0	40.0	<b>PD\PM 52 - 90S/6A</b>	99	106
	3.4	2127	0.9	412.63	16.0	22.0	27.0	30.0	<b>PD 43 - 80M/4B</b> <b>PM 43 - 80M/4B</b>	76	105
	3.6	2005	1.0	391.14	17.0	22.0	27.0	30.0			
	4.1	1755	0.9	344.78	18.0	22.0	28.0	30.0			
	4.3	1671	1.0	326.83	19.0	22.0	28.0	30.0			
	4.6	1560	1.2	302.94	19.0	22.0	29.0	30.0			
	5.1	1403	1.0	272.49	20.0	22.0	29.0	30.0			
	5.5	1299	1.4	253.13	20.0	22.0	29.0	30.0			
	6.6	1080	1.4	211.05	21.0	22.0	30.0	30.0			
	7.3	975	1.9	191.52	21.0	22.0	30.0	30.0			
	8.8	816	1.9	160.03	21.0	22.0	30.0	30.0			
	10.0	716	2.5	140.61	22.0	22.0	30.0	30.0			
	12.2	585	2.8	118.53	21.0	22.0	31.0	30.0			
	13.3	540	2.8	103.86	21.0	22.0	31.0	30.0			
	6.1	1170	1.0	155.40	21.0	22.0	30.0	30.0	<b>PD 42 - 90S/6A</b> <b>PM 42 - 90S/6A</b>	64	104
	8.7	826	1.8	110.73	21.0	22.0	30.0	30.0			
	10.2	702	2.0	90.52	22.0	22.0	30.0	30.0			
	6.1	1170	0.8	230.79	13.0	15.0	20.0	20.0	<b>PD 33 - 80M/4B</b> <b>PM 33 - 80M/4B</b>	54	103
	7.3	975	0.9	190.74	14.0	15.0	21.0	20.0			
	8.6	836	0.9	112.23	15.0	15.0	22.0	20.0	<b>PD 32 - 90S/6A</b> <b>PM 32 - 90S/6A</b>	49	102
	9.5	755	1.0	100.85	15.0	15.0	22.0	20.0			
	11.2	638	1.4	88.74	14.0	15.0	22.0	20.0			
	12.2	585	1.3	79.75	14.0	15.0	22.0	20.0			
12.2	585	1.2	112.23	14.0	15.0	22.0	20.0	<b>PD 32 - 80M/4B</b> <b>PM 32 - 80M/4B</b>	47	102	
14.3	502	1.5	100.85	14.0	15.0	22.0	20.0				
15.3	468	1.9	88.74	13.0	15.0	23.0	20.0				
17.3	413	1.9	79.75	13.0	15.0	23.0	20.0				
19.4	369	1.4	70.52	13.0	15.0	23.0	20.0				
21.4	334	2.0	65.91	12.0	15.0	23.0	20.0				
25.5	280	2.0	55.76	12.0	15.0	23.0	20.0				
29.6	242	2.0	48.00	11.0	15.0	22.0	20.0				
33.7	213	2.6	42.05	11.0	15.0	21.0	20.0				
36.7	195	2.5	37.79	11.0	15.0	21.0	20.0				

# 0.75 kW



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
0.75	12.2	585	0.9	116.40	8.0	12.0	12.0	15.0	PD\PM 23 - 80M/4B	39	101
	13.3	540	0.8	69.70	8.0	12.0	13.0	15.0	PD\PM 22 - 90S/6A	35	100
	14.3	502	0.9	100.98	8.0	12.0	13.0	15.0	PD 22 - 80M/4B PM 22 - 80M/4B	32	100
	17.3	413	1.0	82.45	9.0	12.0	13.0	15.0			
	20.4	351	1.1	69.70	9.0	12.0	14.0	15.0			
	22.4	319	1.5	63.86	9.0	12.0	14.0	15.0			
	25.5	280	1.7	53.98	10.0	12.0	14.0	15.0			
	30.6	234	1.8	45.14	10.0	12.0	14.0	15.0			
	37.7	190	2.2	37.18	9.0	12.0	14.0	15.0			
	46.9	153	2.5	29.64	9.0	12.0	14.0	15.0			
	52.0	137	2.8	26.81	9.0	12.0	14.0	15.0			
	15.3	468	0.8	88.94	4.0	7.0	8.0	11.0	PD C13 - 80M/4B PM C13 - 80M/4B	27	97
	17.3	413	0.9	78.99	5.0	7.0	8.0	11.0			
	20.4	351	1.0	68.23	6.0	7.0	8.0	11.0			
	23.5	305	1.1	60.00	6.0	7.0	8.0	11.0			
	26.5	270	1.2	53.28	6.0	7.0	8.0	11.0			
	31.6	226	1.4	44.40	6.0	7.0	8.0	11.0			
	35.7	201	1.5	38.77	6.0	7.0	8.0	11.0			
	38.8	184	1.5	35.75	6.0	7.0	8.0	11.0			
	46.9	153	1.7	29.79	5.0	7.0	8.0	11.0			
	54.1	132	1.9	26.01	5.0	7.0	8.0	11.0			
	19.4	369	0.8	72.16	5.0	7.0	8.0	7.0	PD 12 - 80M/4B PM 12 - 80M/4B	21	98
	23.5	305	0.9	58.91	5.0	7.0	9.0	7.0			
	28.6	251	1.0	49.22	5.0	7.0	9.0	7.0			
	33.7	213	1.0	41.04	5.0	7.0	9.0	7.0			
	43.9	164	1.3	32.07	4.0	7.0	9.0	7.0			
	50.0	143	1.4	28.35	4.0	7.0	10.0	7.0			
	56.1	127	1.6	25.24	4.0	7.0	10.0	7.0			
	68.3	105	2.0	20.61	4.0	7.0	10.0	7.0			
	81.6	88	2.3	17.22	4.0	7.0	10.0	7.0			
	34.7	207	0.8	40.35	4.0	5.0	7.0	5.0			
	40.8	175	0.9	34.16	4.0	5.0	7.0	5.0			
	46.9	153	0.8	30.08	4.0	5.0	7.0	5.0			
	54.1	132	1.0	25.96	4.0	5.0	7.0	5.0			
	62.2	115	1.0	22.68	4.0	5.0	7.0	5.0			
	65.3	110	1.2	21.58	3.0	5.0	7.0	5.0			
	70.4	102	1.1	19.94	3.0	5.0	7.0	5.0			
	79.6	90	1.3	17.62	3.0	5.0	7.0	5.0			
	84.7	84	1.5	16.57	3.0	5.0	7.0	5.0			
	98.9	73	2.0	14.20	3.0	5.0	7.0	5.0			
	108.1	67	2.2	12.96	3.0	5.0	7.0	5.0			
	124.4	58	2.2	11.28	3.0	5.0	7.0	5.0			
	127.5	56	2.2	10.97	3.0	5.0	7.0	5.0			
	57.1	125	0.9	24.57	3.0	5.0	5.0	8.0	PD A02 - 80M/4B PM A02 - 80M/4B	11	95
	63.2	114	0.9	22.34	3.0	5.0	5.0	8.0			
	74.5	96	1.0	18.77	3.0	5.0	5.0	8.0			
84.7	84	1.1	16.54	3.0	5.0	5.0	8.0				
93.8	76	1.0	14.91	3.0	5.0	5.0	8.0				
101.0	71	1.4	13.83	3.0	5.0	5.0	8.0				
120.4	60	1.7	11.67	3.0	5.0	5.0	8.0				
147.9	48	2.0	9.49	3.0	5.0	5.0	8.0				
162.2	44	2.0	8.63	3.0	5.0	5.0	8.0				
192.8	37	2.0	7.25	3.0	4.0	5.0	8.0				
221.3	32	2.2	6.35	3.0	4.0	5.0	8.0				
262.1	27	2.2	5.33	2.0	4.0	5.0	8.0				
330.5	22	2.2	4.24	2.0	4.0	5.0	8.0				



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm			
<b>1.10</b>	1.0	10505	2.0	1417.68	120.0	102.0	120.0	130.0	<b>PD 93/42 - 90S/4A PM 93/42 - 90S/4A</b>	714	123			
	1.2	8579	2.5	1177.36	120.0	102.0	120.0	130.0						
	1.6	6435	3.7	885.67	115.0	102.0	120.0	130.0						
	1.0	10295	1.1	1362.94	85.0	73.0	100.0	100.0	<b>PD 83/32 - 90S/4A PM 83/32 - 90S/4A</b>	408	122			
	1.3	7919	1.4	1061.83	89.0	73.0	100.0	100.0						
	1.6	6435	1.7	889.06	90.0	73.0	100.0	100.0						
	1.9	5418	2.0	716.55	91.0	73.0	100.0	100.0						
	2.3	4476	2.5	610.07	92.0	73.0	100.0	100.0						
	2.6	4118	2.8	550.29	92.0	73.0	100.0	100.0	<b>PD 83/42 - 90S/4A PM 83/42 - 90S/4A</b>	423	122			
	3.1	3432	3.5	468.82	87.0	73.0	100.0	100.0						
	1.3	7919	0.9	1042.00	46.0	58.0	74.0	80.0	<b>PD 73/22 - 90S/4A PM 73/22 - 90S/4A</b>	272	122			
	1.5	6863	1.0	932.25	50.0	58.0	76.0	80.0						
	2.0	5147	1.2	710.29	54.0	58.0	79.0	80.0						
	2.4	4289	1.5	570.70	56.0	58.0	80.0	80.0						
	3.3	3217	2.0	434.82	57.0	58.0	81.0	80.0						
	1.7	6055	0.8	552.15	25.0	47.0	48.0	60.0				<b>PD 63 - 90L/6B PM 63 - 90L/6B</b>	182	109
	2.1	4902	0.8	445.80	32.0	47.0	52.0	60.0						
2.4	4289	1.2	393.43	35.0	47.0	54.0	60.0							
	2.6	4118	1.1	552.15	35.0	47.0	54.0	60.0	<b>PD 63 - 90S/4A PM 63 - 90S/4A</b>	180	109			
	3.2	3321	1.1	445.80	38.0	47.0	56.0	60.0						
	3.6	2941	1.9	393.43	39.0	47.0	57.0	60.0						
	4.5	2340	2.2	317.64	40.0	47.0	57.0	60.0						
	5.6	1872	2.2	251.63	41.0	47.0	58.0	60.0						
	6.3	1660	2.2	225.83	41.0	47.0	58.0	60.0						
	8.9	1183	3.5	160.11	42.0	47.0	59.0	60.0						
	2.8	3813	0.8	524.75	21.0	32.0	38.0	40.0	<b>PD 53 - 90S/4A PM 53 - 90S/4A</b>	118	107			
	3.4	3119	1.0	427.97	25.0	32.0	40.0	40.0						
	4.0	2640	1.0	361.64	27.0	32.0	42.0	40.0						
	4.3	2451	1.2	331.54	28.0	32.0	42.0	40.0						
	5.3	1980	1.2	270.40	29.0	32.0	43.0	40.0						
	5.7	1838	1.6	248.66	30.0	32.0	43.0	40.0						
	7.1	1471	1.7	134.05	31.0	32.0	44.0	40.0				<b>PD 52 - 90L/6B PM 52 - 90L/6B</b>	101	106
9.6	1096	1.9	100.15	31.0	32.0	44.0	40.0							
10.2	1029	2.3	134.05	31.0	32.0	44.0	40.0	<b>PD\PM 52 - 90S/4A</b>	99	106				
	4.4	2394	0.8	326.83	14.0	22.0	25.0	30.0	<b>PD 43 - 90S/4A PM 43 - 90S/4A</b>	79	105			
	4.7	2238	0.9	302.94	15.0	22.0	26.0	30.0						
	5.2	2019	0.8	272.49	17.0	22.0	27.0	30.0						
	5.6	1872	1.0	253.13	18.0	22.0	28.0	30.0						
	6.2	1688	0.8	155.40	18.0	22.0	28.0	30.0	<b>PD 42 - 90L/6B PM 42 - 90L/6B</b>	66	104			
	8.7	1211	1.2	110.73	20.0	22.0	30.0	30.0						
	9.2	1144	1.0	155.40	21.0	22.0	30.0	30.0	<b>PD 42 - 90S/4A PM 42 - 90S/4A</b>	64	104			
	13.3	792	1.9	110.73	20.0	22.0	30.0	30.0						
	15.3	686	2.2	90.52	19.0	22.0	30.0	30.0						
10.1	1040	0.8	141.42	13.0	15.0	21.0	20.0	<b>PD\PM 32/12 - 90S/4A</b>	59	121				
	11.2	936	1.0	88.74	13.0	15.0	21.0	20.0	<b>PD 32 - 90L/6B PM 32 - 90L/6B</b>	51	102			
	12.2	858	1.0	79.75	13.0	15.0	22.0	20.0						

# 1.10 kW



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
1.10	12.2	858	0.9	112.23	13.0	15.0	22.0	20.0	PD 32 - 90S/4A PM 32 - 90S/4A	49	102
	14.3	735	1.0	100.85	13.0	15.0	22.0	20.0			
	16.3	644	1.3	88.74	12.0	15.0	22.0	20.0			
	17.3	606	1.3	79.75	12.0	15.0	22.0	20.0			
	20.4	515	1.0	70.52	12.0	15.0	22.0	20.0			
	21.4	490	1.4	65.91	12.0	15.0	23.0	20.0			
	22.4	468	2.0	64.11	12.0	15.0	23.0	20.0			
	25.5	412	1.4	55.76	11.0	15.0	22.0	20.0			
	26.5	396	2.0	52.98	11.0	15.0	22.0	20.0			
	29.6	355	1.4	48.00	11.0	15.0	21.0	20.0			
	31.6	332	2.0	44.83	11.0	15.0	21.0	20.0			
	33.7	312	2.8	42.05	11.0	15.0	21.0	20.0			
	36.7	286	2.0	38.59	10.0	15.0	20.0	20.0			
	37.7	278	2.8	37.79	10.0	15.0	20.0	20.0			
	44.9	234	3.3	31.90	10.0	15.0	19.0	20.0			
	14.3	735	0.8	98.40	5.0	12.0	11.0	15.0	PD/PM 23 - 90S/4A	42	101
	17.3	606	0.8	82.45	7.0	12.0	12.0	15.0	PD 22 - 90S/4A PM 22 - 90S/4A	35	100
	20.4	515	0.8	69.70	8.0	12.0	13.0	15.0			
	22.4	468	1.0	63.86	9.0	12.0	13.0	15.0			
	26.5	396	1.2	53.98	9.0	12.0	13.0	15.0			
	27.5	381	1.2	51.73	9.0	12.0	13.0	15.0			
	31.6	332	1.2	45.14	9.0	12.0	14.0	15.0			
	32.6	321	1.6	43.73	9.0	12.0	14.0	15.0			
	38.8	270	1.7	36.57	9.0	12.0	14.0	15.0			
	45.9	228	1.8	31.20	9.0	12.0	14.0	15.0			
	47.9	220	2.0	29.64	9.0	12.0	14.0	15.0			
	53.0	198	2.0	26.81	8.0	12.0	14.0	15.0			
	57.1	184	2.5	24.98	8.0	12.0	14.0	15.0			
	59.2	177	2.2	23.99	8.0	12.0	14.0	15.0			
	65.3	161	2.8	21.89	8.0	12.0	14.0	15.0			
	76.5	137	3.1	18.51	8.0	12.0	14.0	15.0			
	85.7	123	3.3	16.56	7.0	12.0	14.0	15.0			
	23.5	448	0.8	60.00	4.0	7.0	8.0	11.0	PD C13 - 90S/4A PM C13 - 90S/4A	30	97
	26.5	396	0.9	53.28	5.0	7.0	8.0	11.0			
	31.6	332	1.0	44.40	5.0	7.0	8.0	11.0			
	36.7	286	1.0	38.77	5.0	7.0	8.0	11.0			
	39.8	264	1.0	35.75	5.0	7.0	8.0	11.0			
	47.9	220	1.2	29.79	5.0	7.0	8.0	11.0			
	55.1	191	1.3	26.01	5.0	7.0	8.0	11.0			
	59.2	177	1.4	24.26	5.0	7.0	8.0	11.0			
	75.5	139	1.6	18.75	5.0	7.0	8.0	11.0			
	87.7	120	1.8	16.28	4.0	7.0	8.0	11.0			
	43.9	239	0.9	32.07	4.0	7.0	9.0	7.0	PD 12 - 90S/4A PM 12 - 90S/4A	24	98
	50.0	210	1.0	28.35	4.0	7.0	9.0	7.0			
56.1	187	1.1	25.24	4.0	7.0	9.0	7.0				
69.4	151	1.4	20.61	4.0	7.0	10.0	7.0				
82.6	127	1.6	17.22	4.0	7.0	10.0	7.0				
101.0	104	1.9	14.09	3.0	7.0	10.0	7.0				
121.4	86	2.2	11.75	3.0	6.0	10.0	7.0				
137.7	76	2.3	10.34	3.0	6.0	9.0	7.0				
71.4	147	0.9	19.94	3.0	5.0	7.0	5.0	PD B02 - 90S/4A PM B02 - 90S/4A	18	96	
80.6	130	1.0	17.62	3.0	5.0	7.0	5.0				
85.7	123	1.0	16.57	3.0	5.0	7.0	5.0				
100.0	105	1.4	14.20	3.0	5.0	7.0	5.0				
109.1	96	1.5	12.96	3.0	5.0	7.0	5.0				
126.5	83	1.6	11.28	3.0	5.0	7.0	5.0				
129.5	81	1.7	10.97	3.0	5.0	7.0	5.0				
147.9	71	1.8	9.67	3.0	5.0	7.0	5.0				
162.2	65	2.0	8.82	3.0	5.0	7.0	5.0				
190.7	55	2.2	7.47	3.0	4.0	7.0	5.0				



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
1.50	1.0	14325	1.5	1417.68	120.0	102.0	120.0	130.0	PD 93/42 - 90L/4A PM 93/42 - 90L/4A	716	123
	1.2	11699	1.9	1177.36	119.0	102.0	120.0	130.0			
	1.6	8774	2.5	885.67	110.0	102.0	120.0	130.0			
	2.0	7019	3.4	715.36	105.0	102.0	120.0	130.0			
	2.3	6103	3.1	618.83	101.0	102.0	120.0	130.0			
	1.0	14039	0.8	1362.94	76.0	73.0	100.0	100.0	PD 83/32 - 90L/4A PM 83/32 - 90L/4A	410	122
	1.3	10799	1.0	1061.83	84.0	73.0	100.0	100.0			
	1.6	8774	1.3	889.06	87.0	73.0	100.0	100.0			
	1.9	7388	1.5	716.55	89.0	73.0	100.0	100.0			
	2.3	6103	1.8	610.07	90.0	73.0	100.0	100.0			
	2.6	5615	2.0	550.29	88.0	73.0	100.0	100.0	PD 83/42 - 90L/4A PM 83/42 - 90L/4A	425	122
	3.1	4680	2.3	468.82	84.0	73.0	100.0	100.0			
	4.1	3509	3.1	346.82	78.0	73.0	100.0	100.0			
	2.4	5850	2.0	386.39	89.0	73.0	100.0	105.0	PD 83 - 100L/6A PM 83 - 100L/6A	384	113
	3.0	4841	2.5	318.11	85.0	73.0	100.0	105.0			
	2.0	7019	1.0	710.29	49.0	58.0	76.0	80.0	PD 73/22 - 90L/4A PM 73/22 - 90L/4A	274	122
	2.4	5850	1.1	570.70	52.0	58.0	78.0	80.0			
	3.3	4387	1.5	434.82	55.0	58.0	80.0	80.0			
	3.8	3795	1.7	376.24	56.0	58.0	81.0	80.0			
	4.8	2987	2.2	295.06	57.0	58.0	81.0	80.0	PD 73/32 - 90L/4A PM 73/32 - 90L/4A	285	122
	6.4	2229	2.9	223.01	57.0	58.0	82.0	80.0			
	2.8	5200	1.3	338.37	54.0	58.0	79.0	80.0	PD 73 - 100L/6A PM 73 - 100L/6A	259	111
	3.5	4129	1.7	273.32	56.0	58.0	80.0	80.0			
	2.2	6381	0.8	637.34	22.0	47.0	47.0	60.0	PD\PM 63/22 - 90L/4A	201	122
	2.4	5850	1.0	393.43	26.0	47.0	49.0	60.0	PD\PM 63 - 100L/6A	186	109
	2.6	5615	0.9	552.15	28.0	47.0	50.0	60.0	PD 63 - 90L/4A PM 63 - 90L/4A	182	109
	3.2	4529	0.9	445.80	34.0	47.0	53.0	60.0			
	3.6	4011	1.3	393.43	36.0	47.0	54.0	60.0			
	4.5	3191	1.6	317.64	38.0	47.0	56.0	60.0			
	5.6	2553	1.6	251.63	40.0	47.0	57.0	60.0			
	6.3	2264	1.6	225.83	40.0	47.0	58.0	60.0			
	8.9	1624	2.5	160.11	41.0	47.0	58.0	60.0			
	4.0	3600	0.8	361.64	23.0	32.0	39.0	40.0	PD 53 - 90L/4A PM 53 - 90L/4A	120	107
	4.3	3343	0.9	331.54	24.0	32.0	40.0	40.0			
	5.3	2700	1.0	270.40	27.0	32.0	41.0	40.0			
	5.7	2507	1.2	248.66	28.0	32.0	42.0	40.0			
	7.0	2034	1.4	202.80	29.0	32.0	43.0	40.0			
	7.0	2034	1.2	134.05	29.0	32.0	43.0	40.0	PD 52 - 100L/6A PM 52 - 100L/6A	105	106
	9.4	1526	1.3	100.15	31.0	32.0	44.0	40.0			
	10.2	1403	1.8	91.82	30.0	32.0	44.0	40.0			
	10.2	1403	1.8	134.05	30.0	32.0	44.0	40.0	PD 52 - 90L/4A PM 52 - 90L/4A	101	106
	14.3	1003	2.0	100.15	28.0	32.0	44.0	40.0			
17.3	826	2.0	81.68	26.0	32.0	44.0	40.0				
25.5	562	3.3	55.55	24.0	32.0	45.0	40.0				
5.6	2553	0.8	253.13	12.0	22.0	25.0	30.0	PD 43 - 90L/4A PM 43 - 90L/4A	81	105	
6.7	2127	0.8	211.05	16.0	22.0	27.0	30.0				
7.4	1923	1.0	191.52	17.0	22.0	28.0	30.0				
8.5	1691	0.9	110.73	19.0	22.0	28.0	30.0	PD\PM 42 - 100L/6A	70	104	
9.2	1560	0.8	155.40	19.0	22.0	29.0	30.0	PD 42 - 90L/4A PM 42 - 90L/4A	66	104	
13.3	1080	1.4	110.73	19.0	22.0	30.0	30.0				
15.3	936	1.6	90.52	19.0	22.0	30.0	30.0				
31.6	453	2.5	45.06	16.0	22.0	30.0	30.0				
12.2	1170	0.8	114.01	11.0	15.0	20.0	20.0	PD\PM 32/12 - 90L/4A	61	121	
14.3	1003	1.0	64.11	11.0	15.0	21.0	20.0	PD\PM 32 - 100L/6A	55	102	

# 1.50 kW



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>1.50</b>	16.3	877	1.0	88.74	11.0	15.0	22.0	20.0	<b>PD 32 - 90L/4A PM 32 - 90L/4A</b>	51	102
	17.3	826	1.0	79.75	11.0	15.0	22.0	20.0			
	21.4	668	1.0	65.91	11.0	15.0	22.0	20.0			
	22.4	638	1.5	64.11	11.0	15.0	22.0	20.0			
	25.5	562	1.0	55.76	10.0	15.0	22.0	20.0			
	26.5	540	1.4	52.98	10.0	15.0	22.0	20.0			
	29.6	484	1.0	48.00	10.0	15.0	21.0	20.0			
	31.6	453	1.5	44.83	10.0	15.0	21.0	20.0			
	33.7	425	2.0	42.05	10.0	15.0	20.0	20.0			
	36.7	390	1.5	38.59	10.0	15.0	20.0	20.0			
	37.7	379	2.0	37.79	10.0	15.0	20.0	20.0			
	44.9	319	2.2	31.90	9.0	15.0	19.0	20.0			
	50.0	286	2.3	28.67	9.0	15.0	18.0	20.0			
	55.1	260	2.3	25.86	9.0	15.0	18.0	20.0			
	60.2	238	2.2	23.69	9.0	15.0	18.0	20.0			
63.2	226	2.5	22.42	9.0	15.0	17.0	20.0				
	22.4	638	0.8	63.86	7.0	12.0	12.0	15.0	<b>PD 22 - 90L/4A PM 22 - 90L/4A</b>	37	100
	26.5	540	0.9	53.98	8.0	12.0	13.0	15.0			
	27.5	520	1.0	51.73	8.0	12.0	13.0	15.0			
	31.6	453	1.0	45.14	9.0	12.0	13.0	15.0			
	32.6	439	1.2	43.73	9.0	12.0	13.0	15.0			
	38.8	369	1.2	36.57	8.0	12.0	13.0	15.0			
	45.9	312	1.3	31.20	8.0	12.0	14.0	15.0			
	47.9	299	1.5	29.64	8.0	12.0	14.0	15.0			
	53.0	270	1.5	26.81	8.0	12.0	14.0	15.0			
	57.1	251	1.8	24.98	8.0	12.0	14.0	15.0			
	59.2	242	1.7	23.99	8.0	12.0	14.0	15.0			
	65.3	220	2.0	21.89	8.0	12.0	14.0	15.0			
	76.5	187	2.2	18.51	7.0	12.0	14.0	15.0			
	85.7	168	2.2	16.56	7.0	12.0	14.0	15.0			
	107.1	133	2.2	13.20	7.0	12.0	13.0	15.0			
120.4	119	2.2	11.81	6.0	12.0	13.0	15.0				
139.7	103	2.3	10.16	6.0	12.0	12.0	15.0				
	36.7	390	0.8	38.77	4.0	7.0	8.0	11.0	<b>PD C13 - 90L/4A PM C13 - 90L/4A</b>	32	97
	39.8	360	0.8	35.75	4.0	7.0	8.0	11.0			
	47.9	299	0.9	29.79	4.0	7.0	8.0	11.0			
	55.1	260	1.0	26.01	4.0	7.0	8.0	11.0			
	59.2	242	1.0	24.26	4.0	7.0	8.0	11.0			
	75.5	190	1.2	18.75	4.0	7.0	8.0	11.0			
	87.7	164	1.3	16.28	4.0	7.0	8.0	11.0			
	50.0	286	0.8	28.35	3.0	7.0	9.0	7.0	<b>PD 12 - 90L/4A PM 12 - 90L/4A</b>	26	98
	56.1	255	0.9	25.24	3.0	7.0	9.0	7.0			
	69.4	207	1.0	20.61	3.0	7.0	9.0	7.0			
	82.6	173	1.2	17.22	3.0	6.0	9.0	7.0			
	101.0	142	1.4	14.09	3.0	6.0	10.0	7.0			
	121.4	118	1.6	11.75	3.0	6.0	9.0	7.0			
	137.7	104	1.7	10.34	3.0	6.0	9.0	7.0			
	155.0	92	1.9	9.16	3.0	6.0	9.0	7.0			
	172.4	83	2.2	8.23	3.0	5.0	9.0	7.0			
	173.4	82	1.8	8.18	3.0	5.0	9.0	7.0			
	196.9	73	2.2	7.25	3.0	5.0	8.0	7.0			
	221.3	65	2.3	6.42	3.0	5.0	8.0	7.0			



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>1.50</b>	85.7	168	0.8	16.57	3.0	5.0	7.0	5.0	<b>PD B02 - 90L/4A</b> <b>PM B02 - 90L/4A</b>	20	96
	100.0	143	1.0	14.20	3.0	5.0	7.0	5.0			
	109.1	131	1.1	12.96	3.0	5.0	7.0	5.0			
	126.5	114	1.1	11.28	3.0	5.0	7.0	5.0			
	129.5	111	1.2	10.97	3.0	4.0	7.0	5.0			
	147.9	97	1.3	9.67	3.0	4.0	7.0	5.0			
	162.2	88	1.4	8.82	3.0	4.0	7.0	5.0			
	190.7	75	1.6	7.47	2.0	4.0	7.0	5.0			
	221.3	65	1.8	6.43	2.0	4.0	7.0	5.0			
	237.7	60	1.9	6.00	2.0	4.0	7.0	5.0			
	275.4	52	2.0	5.17	2.0	4.0	7.0	5.0			
	305.0	47	1.9	4.67	2.0	4.0	7.0	5.0			
	352.9	40	2.0	4.02	2.0	3.0	7.0	5.0			
<b>2.20</b>	1.0	20590	2.8	1382.74	-	-	142.0	170.0	<b>PD\PM 113/52 - 100L/4A</b>	2136	123
	1.0	20590	1.6	1416.90	-	-	127.0	150.0	<b>PD 103/52 - 100L/4A</b> <b>PM 103/52 - 100L/4A</b>	1298	123
	1.2	17158	1.9	1165.61	-	-	130.0	150.0			
	1.6	12868	2.5	915.84	-	-	134.0	150.0			
	1.0	20590	1.0	1417.68	111.0	102.0	120.0	130.0	<b>PD 93/42 - 100L/4A</b> <b>PM 93/42 - 100L/4A</b>	720	123
	1.2	17158	1.3	1177.36	109.0	102.0	120.0	130.0			
	1.6	12868	1.7	885.67	103.0	102.0	120.0	130.0			
	2.0	10295	2.2	715.36	99.0	102.0	120.0	130.0			
	2.3	8952	2.5	618.83	96.0	102.0	120.0	130.0			
	3.3	6435	3.6	450.86	89.0	102.0	120.0	130.0			
	3.6	5883	4.0	410.49	87.0	102.0	120.0	130.0	<b>PD\PM 93/52 - 100L/4A</b>	749	123
	1.6	12868	0.9	889.06	79.0	73.0	100.0	100.0	<b>PD 83/32 - 100L/4A</b> <b>PM 83/32 - 100L/4A</b>	414	122
	2.0	10295	1.1	716.55	84.0	73.0	100.0	100.0			
	2.3	8952	1.2	610.07	82.0	73.0	100.0	100.0			
	2.7	7919	1.4	550.29	81.0	73.0	100.0	100.0	<b>PD 83/42 - 100L/4A</b> <b>PM 83/42 - 100L/4A</b>	429	122
	3.2	6641	1.7	468.82	78.0	73.0	100.0	100.0			
	3.8	5564	2.0	386.39	76.0	73.0	100.0	105.0	<b>PD 83 - 100L/4A</b> <b>PM 83 - 100L/4A</b>	384	113
	4.6	4576	2.6	318.11	72.0	73.0	100.0	105.0			
	2.6	8236	0.8	570.70	45.0	58.0	73.0	80.0	<b>PD 73/22 - 100L/4A</b> <b>PM 73/22 - 100L/4A</b>	278	122
	3.4	6240	1.0	434.82	51.0	58.0	77.0	80.0			
	3.9	5418	1.2	376.24	53.0	58.0	79.0	80.0			
	4.4	4788	1.4	338.37	55.0	58.0	79.0	80.0	<b>PD 73 - 100L/4A</b> <b>PM 73 - 100L/4A</b>	259	111
	5.4	3885	1.8	273.32	56.0	58.0	81.0	80.0			
	6.8	3073	2.5	216.45	53.0	58.0	81.0	80.0			
	7.1	2941	2.3	204.72	53.0	58.0	81.0	80.0			
	3.4	6240	0.8	434.44	23.0	47.0	47.0	60.0	<b>PD\PM 63/22 - 100L/4A</b>	205	122
	3.8	5564	1.0	393.43	28.0	47.0	50.0	60.0	<b>PD 63 - 100L/4A</b> <b>PM 63 - 100L/4A</b>	186	109
	4.6	4576	1.1	317.64	33.0	47.0	53.0	60.0			
	5.5	3813	1.4	267.94	36.0	47.0	55.0	60.0			
	5.8	3612	1.1	251.63	37.0	47.0	55.0	60.0			
	6.5	3217	1.1	225.83	38.0	47.0	56.0	60.0			
6.9	3028	1.4	212.26	39.0	47.0	56.0	60.0				
8.6	2451	2.0	171.37	40.0	47.0	57.0	60.0				
9.2	2287	2.3	160.11	40.0	47.0	58.0	60.0				
11.2	1872	2.2	126.84	41.0	47.0	58.0	60.0				
13.3	1584	3.1	114.79	41.0	47.0	58.0	60.0				
16.3	1287	2.9	92.68	39.0	47.0	59.0	60.0				
19.4	1084	3.2	75.30	37.0	47.0	59.0	60.0				
20.4	1029	2.9	73.42	37.0	47.0	59.0	60.0				
5.4	3885	0.8	272.80	21.0	32.0	38.0	40.0	<b>PD\PM 52/12 - 100L/4A</b>	115	121	
5.9	3550	0.9	248.66	23.0	32.0	39.0	40.0	<b>PD 53 - 100L/4A</b> <b>PM 53 - 100L/4A</b>	124	107	
7.2	2900	1.0	202.80	26.0	32.0	41.0	40.0				
8.6	2451	1.0	171.36	28.0	32.0	42.0	40.0				
9.6	2190	1.3	153.85	28.0	32.0	43.0	40.0				
10.2	2059	1.4	138.78	28.0	32.0	43.0	40.0				

# 2.20 kW



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>2.20</b>	11.2	1872	1.3	134.05	28.0	32.0	43.0	40.0	<b>PD 52 - 100L/4A PM 52 - 100L/4A</b>	105	106
	14.3	1471	1.4	100.15	26.0	32.0	44.0	40.0			
	16.3	1287	2.0	91.82	26.0	32.0	44.0	40.0			
	18.4	1144	1.5	81.68	25.0	32.0	44.0	40.0			
	21.4	980	2.9	68.60	24.0	32.0	44.0	40.0			
	9.6	2190	0.8	152.50	16.0	22.0	26.0	30.0	<b>PD\PM 42/12 - 100L/4A</b>	80	121
	10.2	2059	1.0	140.61	16.0	22.0	27.0	30.0	<b>PD 43 - 100L/4A PM 43 - 100L/4A</b>	85	105
	12.2	1716	1.0	118.53	17.0	22.0	28.0	30.0			
	13.3	1584	1.0	110.73	17.0	22.0	29.0	30.0	<b>PD 42 - 100L/4A PM 42 - 100L/4A</b>	70	104
	16.3	1287	1.1	90.52	17.0	22.0	29.0	30.0			
	19.4	1084	1.3	75.41	16.0	22.0	30.0	30.0			
	23.5	895	1.9	61.64	16.0	22.0	30.0	30.0			
	28.6	735	2.2	52.23	15.0	22.0	30.0	30.0			
	32.6	644	2.2	45.06	15.0	22.0	29.0	30.0			
	33.7	624	2.3	43.64	15.0	22.0	29.0	30.0			
	35.7	588	2.5	40.79	14.0	22.0	29.0	30.0			
	39.8	528	2.3	36.84	14.0	22.0	28.0	30.0			
	40.8	515	2.5	36.39	14.0	22.0	28.0	30.0			
	45.9	458	2.9	32.31	14.0	22.0	27.0	30.0			
	22.4	936	1.0	64.11	9.0	15.0	21.0	20.0	<b>PD 32 - 100L/4A PM 32 - 100L/4A</b>	55	102
	27.5	762	1.0	52.98	9.0	15.0	20.0	20.0			
	32.6	644	1.0	44.83	9.0	15.0	20.0	20.0			
	34.7	606	1.4	42.05	9.0	15.0	20.0	20.0			
	37.7	557	1.0	38.59	9.0	15.0	19.0	20.0			
	38.8	542	1.4	37.79	9.0	15.0	19.0	20.0			
	45.9	458	1.8	31.90	9.0	15.0	18.0	20.0			
	51.0	412	2.0	28.67	9.0	15.0	18.0	20.0			
	57.1	368	2.2	25.86	8.0	15.0	17.0	20.0			
	62.2	337	2.0	23.69	8.0	15.0	17.0	20.0			
	65.3	321	2.2	22.42	8.0	15.0	17.0	20.0			
	68.3	308	2.2	21.37	8.0	15.0	17.0	20.0			
	72.4	290	2.5	20.15	8.0	15.0	16.0	20.0			
	87.7	239	2.5	16.65	8.0	14.0	16.0	20.0			
	33.7	624	0.9	43.73	7.0	12.0	12.0	15.0	<b>PD 22 - 100L/4A PM 22 - 100L/4A</b>	41	100
	39.8	528	0.9	36.57	8.0	12.0	13.0	15.0			
	46.9	448	1.0	31.20	7.0	12.0	13.0	15.0			
	50.0	420	1.1	29.64	7.0	12.0	13.0	15.0			
	55.1	381	1.0	26.81	7.0	12.0	13.0	15.0			
	59.2	355	1.3	24.98	7.0	12.0	14.0	15.0			
	61.2	343	1.1	23.99	7.0	12.0	14.0	15.0			
	67.3	312	1.4	21.89	7.0	12.0	14.0	15.0			
	79.6	264	1.7	18.51	7.0	12.0	14.0	15.0			
	88.7	236	1.9	16.56	7.0	12.0	13.0	15.0			
	111.2	189	2.0	13.20	6.0	12.0	13.0	15.0			
	124.4	169	2.0	11.81	6.0	12.0	12.0	15.0			
144.8	145	2.2	10.16	6.0	11.0	12.0	15.0				
162.2	129	2.3	9.00	6.0	11.0	11.0	15.0				
175.4	120	2.0	8.36	6.0	11.0	11.0	15.0				
196.9	107	2.0	7.48	5.0	10.0	11.0	15.0				
228.5	92	2.2	6.43	5.0	10.0	10.0	15.0				
257.0	81	2.3	5.70	5.0	9.0	10.0	15.0				
325.4	65	2.6	4.51	5.0	8.0	9.0	15.0				
60.2	349	0.8	24.26	4.0	6.0	8.0	11.0	<b>PD C13 - 100L/4A PM C13 - 100L/4A</b>	36	97	
78.5	268	0.9	18.75	4.0	6.0	8.0	11.0				
89.8	234	1.0	16.28	4.0	6.0	8.0	11.0				





P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>2.20</b>	85.7	245	0.9	17.22	3.0	5.0	9.0	7.0	<b>PD 12 - 100L/4A</b> <b>PM 12 - 100L/4A</b>	30	98
	104.0	202	1.0	14.09	3.0	5.0	9.0	7.0			
	124.4	169	1.1	11.75	3.0	5.0	9.0	7.0			
	141.8	148	1.2	10.34	3.0	5.0	9.0	7.0			
	160.1	131	1.3	9.16	3.0	5.0	9.0	7.0			
	178.5	118	1.5	8.23	3.0	5.0	8.0	7.0			
	203.0	104	1.7	7.25	3.0	5.0	8.0	7.0			
	228.4	92	1.8	6.42	2.0	4.0	8.0	7.0			
	268.3	78	2.0	5.47	2.0	4.0	7.0	7.0			
307.0	69	1.7	4.78	2.0	4.0	7.0	7.0				
<b>3.00</b>	1.0	28077	2.0	1382.74	-	-	134.0	170.0	<b>PD 113/52 - 100L/4B</b> <b>PM 113/52 - 100L/4B</b>	2139	123
	1.2	23398	2.3	1154.79	-	-	139.0	170.0			
	1.5	18718	2.6	962.15	-	-	144.0	170.0			
	1.9	14777	2.5	731.47	-	-	147.0	170.0			
	1.0	28077	1.1	1416.90	-	-	117.0	150.0	<b>PD 103/52 - 100L/4B</b> <b>PM 103/52 - 100L/4B</b>	1301	123
	1.2	23398	1.4	1165.61	-	-	124.0	150.0			
	1.5	18718	1.7	915.84	-	-	129.0	150.0			
	2.0	14039	2.2	692.20	-	-	133.0	150.0			
	2.4	11699	2.5	578.09	-	-	134.0	150.0			
	3.1	9359	2.9	476.93	-	-	135.0	150.0			
	1.0	28077	0.8	1417.68	97.0	102.0	120.0	130.0	<b>PD 93/42 - 100L/4B</b> <b>PM 93/42 - 100L/4B</b>	723	123
	1.2	23398	1.0	1177.36	97.0	102.0	120.0	130.0			
	1.6	17548	1.2	885.67	94.0	102.0	120.0	130.0			
	2.0	14039	1.6	715.36	93.0	102.0	120.0	130.0			
	2.3	12208	1.8	618.83	90.0	102.0	120.0	130.0			
	3.2	9057	2.5	450.86	85.0	102.0	120.0	130.0			
	3.5	8257	2.6	410.49	84.0	102.0	120.0	130.0	<b>PD\PM 93/52 - 100L/4B</b>	752	123
	2.0	14039	0.8	716.55	74.0	73.0	100.0	100.0	<b>PD 83/32 - 100L/4B</b> <b>PM 83/32 - 100L/4B</b>	417	122
	2.3	12208	1.0	610.07	74.0	73.0	100.0	100.0			
	2.7	10799	1.0	550.29	74.0	73.0	100.0	100.0	<b>PD 83/42 - 100L/4B</b> <b>PM 83/42 - 100L/4B</b>	432	122
	3.1	9359	1.2	468.82	73.0	73.0	100.0	100.0			
	3.8	7588	1.5	386.39	71.0	73.0	100.0	105.0	<b>PD 83 - 100L/4B</b> <b>PM 83 - 100L/4B</b>	387	113
	4.5	6381	1.9	318.11	68.0	73.0	100.0	105.0			
	7.1	4011	2.5	200.83	62.0	73.0	100.0	105.0			
	3.3	8774	0.8	434.82	43.0	58.0	72.0	80.0	<b>PD 73/22 - 100L/4B</b> <b>PM 73/22 - 100L/4B</b>	281	122
	3.9	7388	0.9	376.24	48.0	58.0	75.0	80.0			
	4.3	6685	1.0	338.37	50.0	58.0	76.0	80.0	<b>PD 73 - 100L/4B</b> <b>PM 73 - 100L/4B</b>	262	111
	5.3	5400	1.3	273.32	52.0	58.0	79.0	80.0			
	6.6	4320	1.8	216.45	50.0	58.0	80.0	80.0			
	7.0	4069	1.7	204.72	50.0	58.0	80.0	80.0			
	8.9	3227	1.8	162.12	47.0	58.0	81.0	80.0			
	9.6	2987	2.2	150.32	47.0	58.0	81.0	80.0			
	11.2	2553	2.2	123.12	45.0	58.0	82.0	80.0			
	4.2	6848	0.8	349.07	16.0	47.0	44.0	60.0	<b>PD\PM 63/22 - 100L/4B</b>	208	122
	4.6	6240	0.9	317.64	23.0	47.0	47.0	60.0	<b>PD 63 - 100L/4B</b> <b>PM 63 - 100L/4B</b>	189	109
	5.4	5298	1.0	267.94	30.0	47.0	51.0	60.0			
	5.7	5014	0.9	251.63	31.0	47.0	52.0	60.0			
	6.4	4457	0.9	225.83	34.0	47.0	53.0	60.0			
	6.8	4190	1.0	212.26	35.0	47.0	54.0	60.0			
	8.5	3383	1.5	171.37	38.0	47.0	56.0	60.0			
	9.1	3155	1.7	160.11	38.0	47.0	56.0	60.0			
	11.2	2553	1.7	126.84	40.0	47.0	57.0	60.0			
12.2	2340	2.0	114.79	40.0	47.0	57.0	60.0				
15.3	1872	2.0	92.68	38.0	47.0	58.0	60.0				
19.4	1478	2.2	75.30	36.0	47.0	58.0	60.0				
18.4	1560	2.5	80.26	37.0	47.0	58.0	60.0	<b>PD\PM 62 - 100L/4B</b>	192	108	



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>3.00</b>	7.1	4011	0.8	202.80	20.0	32.0	37.0	40.0	<b>PD 53 - 100L/4B</b> <b>PM 53 - 100L/4B</b>	127	107
	8.5	3383	0.8	171.36	24.0	32.0	39.0	40.0			
	9.4	3052	1.0	153.85	26.0	32.0	40.0	40.0			
	10.2	2808	1.0	138.78	25.0	32.0	41.0	40.0			
	11.2	2553	1.0	134.05	26.0	32.0	42.0	40.0	<b>PD 52 - 100L/4B</b> <b>PM 52 - 100L/4B</b>	108	106
	14.3	2005	1.0	100.15	25.0	32.0	43.0	40.0			
	15.3	1872	1.3	91.82	24.0	32.0	43.0	40.0			
	17.3	1651	1.0	81.68	24.0	32.0	44.0	40.0			
	21.4	1337	2.0	68.60	23.0	32.0	44.0	40.0			
	25.5	1123	2.2	55.94	22.0	32.0	43.0	40.0			
	30.6	936	2.3	47.27	21.0	32.0	41.0	40.0			
	35.7	803	2.2	40.79	20.0	32.0	40.0	40.0			
	42.8	668	2.2	33.41	19.0	32.0	38.0	40.0	<b>PD 43 - 100L/4B</b> <b>PM 43 - 100L/4B</b>	88	105
	12.2	2340	0.8	118.53	14.0	22.0	26.0	30.0			
	14.3	2005	1.0	103.86	15.0	22.0	27.0	30.0	<b>PD 42 - 100L/4B</b> <b>PM 42 - 100L/4B</b>	73	104
	16.3	1755	0.9	90.52	15.0	22.0	28.0	30.0			
	19.4	1478	1.0	75.41	15.0	22.0	29.0	30.0			
	23.5	1221	1.3	61.64	15.0	22.0	30.0	30.0			
	27.5	1040	1.6	52.23	14.0	22.0	30.0	30.0			
	31.6	906	1.6	45.06	14.0	22.0	29.0	30.0			
	32.6	877	1.7	43.64	14.0	22.0	28.0	30.0			
	35.7	803	1.8	40.79	14.0	22.0	28.0	30.0			
	38.8	739	1.7	36.84	13.0	22.0	27.0	30.0			
	39.8	720	1.8	36.39	13.0	22.0	27.0	30.0			
	44.9	638	2.0	32.31	13.0	22.0	27.0	30.0			
	55.1	520	2.0	26.41	12.0	22.0	25.0	30.0			
	64.3	446	2.0	22.38	12.0	22.0	24.0	30.0			
	67.3	425	2.2	21.46	12.0	22.0	24.0	30.0			
	79.6	360	2.2	18.18	11.0	21.0	23.0	30.0			
	94.9	302	2.2	15.19	11.0	20.0	22.0	30.0			
114.2	251	2.2	12.67	10.0	19.0	21.0	30.0				
	34.7	826	1.0	42.05	8.0	15.0	19.0	20.0	<b>PD 32 - 100L/4B</b> <b>PM 32 - 100L/4B</b>	58	102
	37.7	759	1.0	37.79	8.0	15.0	18.0	20.0			
	44.9	638	1.2	31.90	8.0	15.0	18.0	20.0			
	50.0	573	1.4	28.67	8.0	15.0	17.0	20.0			
	56.1	511	1.5	25.86	8.0	15.0	17.0	20.0			
	61.2	468	1.5	23.69	8.0	14.0	17.0	20.0			
	64.3	446	1.7	22.42	8.0	14.0	16.0	20.0			
	67.3	425	1.6	21.37	8.0	14.0	16.0	20.0			
	71.4	401	1.8	20.15	8.0	14.0	16.0	20.0			
	86.7	330	1.8	16.65	7.0	13.0	15.0	20.0			
	102.0	280	1.8	14.09	7.0	13.0	15.0	20.0			
	126.5	226	2.0	11.35	7.0	12.0	14.0	20.0			
	146.9	195	2.0	9.77	6.0	11.0	13.0	20.0			
	173.4	166	1.8	8.29	6.0	11.0	13.0	19.0			
215.2	133	2.0	6.68	6.0	10.0	12.0	18.0				
254.0	113	2.0	5.66	6.0	9.0	11.0	18.0				



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm			
<b>3.00</b>	49.0	585	0.8	29.64	7.0	12.0	12.0	15.0	<b>PD 22 - 100L/4B</b> <b>PM 22 - 100L/4B</b>	44	100			
	54.1	530	0.8	26.81	7.0	12.0	13.0	15.0						
	58.1	493	1.0	24.98	7.0	12.0	13.0	15.0						
	60.2	476	0.9	23.99	7.0	12.0	13.0	15.0						
	66.3	432	1.0	21.89	7.0	12.0	13.0	15.0						
	77.5	369	1.2	18.51	6.0	12.0	13.0	15.0						
	87.7	326	1.3	16.56	6.0	12.0	13.0	15.0						
	109.1	263	1.4	13.20	6.0	12.0	12.0	15.0						
	122.4	234	1.5	11.81	6.0	11.0	12.0	15.0						
	141.8	202	1.6	10.16	6.0	11.0	12.0	15.0						
	160.1	178	1.7	9.00	6.0	10.0	11.0	15.0						
	172.4	167	1.4	8.36	5.0	10.0	11.0	15.0						
	192.8	149	1.5	7.48	5.0	10.0	11.0	15.0						
	224.4	127	1.6	6.43	5.0	9.0	10.0	15.0						
	251.9	114	1.7	5.70	5.0	9.0	10.0	15.0						
	320.3	89	1.9	4.51	5.0	8.0	9.0	15.0						
	122.4	234	0.9	11.75	2.0	4.0	9.0	7.0				<b>PD 12 - 100L/4B</b> <b>PM 12 - 100L/4B</b>	33	98
	139.7	205	0.9	10.34	2.0	4.0	9.0	7.0						
	157.1	182	1.0	9.16	2.0	4.0	8.0	7.0						
	175.4	164	1.0	8.23	2.0	4.0	8.0	7.0						
198.9	144	1.2	7.25	2.0	4.0	8.0	7.0							
224.4	127	1.3	6.42	2.0	4.0	8.0	7.0							
264.2	109	1.5	5.47	2.0	4.0	7.0	7.0							
300.9	95	1.2	4.78	2.0	4.0	7.0	7.0							
<b>4.00</b>	1.0	37436	1.5	1382.74	-	-	118.0	170.0	<b>PD 113/52 - 112M/4B</b> <b>PM 113/52 - 112M/4B</b>	2148	123			
	1.3	28797	1.9	1154.79	-	-	133.0	170.0						
	1.5	24958	2.2	962.15	-	-	138.0	170.0						
	2.0	18718	3.1	731.47	-	-	144.0	170.0						
	2.4	15599	3.3	603.47	-	-	146.0	170.0						
	1.0	37436	0.9	1416.90	-	-	98.0	150.0	<b>PD 103/52 - 112M/4B</b> <b>PM 103/52 - 112M/4B</b>	1310	123			
	1.2	31196	1.0	1165.61	-	-	111.0	150.0						
	1.6	23398	1.4	915.84	-	-	124.0	150.0						
	2.1	17826	1.8	692.20	-	-	130.0	150.0						
	2.6	14974	2.2	578.09	-	-	132.0	150.0						
	3.1	12478	2.5	476.93	-	-	134.0	150.0						
	1.2	31196	0.8	1177.36	82.0	102.0	120.0	130.0	<b>PD 93/42 - 112M/4B</b> <b>PM 93/42 - 112M/4B</b>	732	123			
	1.6	23398	1.0	885.67	83.0	102.0	120.0	130.0						
	2.0	18718	1.2	715.36	84.0	102.0	120.0	130.0						
	2.3	16277	1.3	618.83	83.0	102.0	120.0	130.0						
	3.3	11699	1.9	450.86	79.0	102.0	120.0	130.0						
	3.6	10696	2.0	410.49	78.0	102.0	120.0	130.0	<b>PD 93/52 - 112M/4B</b> <b>PM 93/52 - 112M/4B</b>	761	123			
	5.0	7640	3.1	294.19	73.0	102.0	120.0	130.0						
	2.4	15599	0.8	610.07	64.0	73.0	100.0	100.0	<b>PD\PM 83/32 - 112M/4B</b>	426	122			
	2.7	14398	0.8	550.29	64.0	73.0	100.0	100.0	<b>PD 83/42 - 112M/4B</b> <b>PM 83/42 - 112M/4B</b>	441	122			
	3.2	12077	1.0	468.82	64.0	73.0	100.0	100.0						
	3.8	10118	1.1	386.39	65.0	73.0	100.0	105.0	<b>PD 83 - 112M/4B</b> <b>PM 83 - 112M/4B</b>	396	113			
	4.6	8319	1.4	318.11	63.0	73.0	100.0	105.0						
	7.3	5200	1.9	200.83	59.0	73.0	100.0	105.0						
	10.2	3744	1.9	143.91	55.0	73.0	100.0	105.0						
	12.2	3119	1.9	118.48	53.0	73.0	100.0	105.0						
	14.3	2674	2.0	103.13	51.0	73.0	100.0	105.0						
	16.3	2340	2.0	90.79	49.0	73.0	99.0	105.0						
19.4	1971	2.2	75.70	47.0	73.0	94.0	105.0							
22.4	1701	2.2	65.16	45.0	73.0	91.0	105.0							
25.5	1497	2.0	57.32	44.0	73.0	88.0	105.0							
30.6	1248	2.2	47.79	41.0	68.0	83.0	105.0							
33.7	1135	2.2	43.52	40.0	66.0	81.0	105.0							
40.8	936	2.2	35.83	38.0	61.0	77.0	105.0							
47.9	797	2.2	30.84	36.0	57.0	73.0	105.0							

# 4.00 kW



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>4.00</b>	4.4	8706	0.8	338.37	43.0	58.0	72.0	80.0	<b>PD 73 - 112M/4B PM 73 - 112M/4B</b>	271	111
	5.4	7064	1.0	273.32	47.0	58.0	76.0	80.0			
	6.8	5587	1.4	216.45	46.0	58.0	78.0	80.0			
	7.1	5348	1.3	204.72	46.0	58.0	79.0	80.0			
	9.1	4206	1.4	162.12	44.0	58.0	80.0	80.0			
	9.8	3899	1.6	150.32	44.0	58.0	81.0	80.0			
	12.2	3119	1.8	123.12	42.0	58.0	81.0	80.0			
	14.3	2674	2.0	106.53	41.0	58.0	82.0	80.0			
	16.3	2340	2.0	93.05	40.0	58.0	82.0	80.0			
	18.4	2080	1.7	78.75	39.0	58.0	82.0	80.0			
	21.4	1783	1.9	68.14	37.0	58.0	79.0	80.0			
	24.5	1560	2.0	59.52	36.0	58.0	77.0	80.0			
	27.5	1387	1.9	53.42	35.0	58.0	74.0	80.0			
31.6	1207	2.0	46.66	34.0	58.0	72.0	80.0				
	5.5	6933	0.8	267.94	15.0	47.0	44.0	60.0	<b>PD 63 - 112M/4B PM 63 - 112M/4B</b>	198	109
	6.9	5506	0.8	212.26	28.0	47.0	50.0	60.0			
	8.6	4457	1.1	171.37	34.0	47.0	53.0	60.0			
	9.2	4159	1.3	160.11	35.0	47.0	54.0	60.0			
	11.2	3404	1.2	126.84	38.0	47.0	56.0	60.0			
	13.3	2879	1.6	114.79	37.0	47.0	57.0	60.0			
	16.3	2340	1.6	92.68	36.0	47.0	57.0	60.0			
	19.4	1971	1.7	75.30	34.0	47.0	58.0	60.0			
	20.4	1872	1.6	73.42	34.0	47.0	58.0	60.0			
	24.5	1560	1.7	59.65	33.0	47.0	58.0	60.0			
	28.6	1337	1.8	51.01	31.0	47.0	58.0	60.0			
	34.7	1102	1.7	42.41	30.0	47.0	58.0	60.0			
		18.4	2080	1.8	80.26	35.0	47.0	58.0			
22.4		1701	1.8	65.45	33.0	47.0	58.0	60.0			
	9.6	3983	0.8	153.85	20.0	32.0	37.0	40.0	<b>PD 53 - 112M/4B PM 53 - 112M/4B</b>	136	107
	10.2	3744	0.8	138.78	22.0	32.0	38.0	40.0			
	12.2	3119	0.9	117.27	22.0	32.0	40.0	40.0			
	16.3	2340	1.1	91.82	22.0	32.0	42.0	40.0	<b>PD 52 - 112M/4B PM 52 - 112M/4B</b>	117	106
	18.4	2080	0.9	81.68	22.0	32.0	43.0	40.0			
	21.4	1783	1.5	68.60	21.0	32.0	43.0	40.0			
	26.5	1440	1.7	55.94	20.0	32.0	42.0	40.0			
	31.6	1207	1.8	47.27	20.0	32.0	40.0	40.0			
	35.7	1069	2.2	40.79	19.0	32.0	39.0	40.0			
	43.9	870	2.5	33.41	19.0	32.0	37.0	40.0			
	47.9	797	2.3	30.47	18.0	32.0	36.0	40.0			
17.3	2202	0.9	86.78	12.0	22.0	26.0	30.0	<b>PD\PM 43 - 112M/4B</b>	97	105	
	19.4	1971	0.8	75.41	13.0	22.0	27.0	30.0	<b>PD 42 - 112M/4B PM 42 - 112M/4B</b>	82	104
	23.5	1628	1.0	61.64	13.0	22.0	28.0	30.0			
	28.6	1337	1.2	52.23	13.0	22.0	28.0	30.0			
	32.6	1170	1.2	45.06	13.0	22.0	28.0	30.0			
	33.7	1135	1.3	43.64	13.0	22.0	27.0	30.0			
	35.7	1069	1.3	40.79	13.0	22.0	27.0	30.0			
	39.8	959	1.3	36.84	12.0	22.0	27.0	30.0			
	40.8	936	1.3	36.39	12.0	22.0	26.0	30.0			
	45.9	832	1.8	32.31	12.0	22.0	26.0	30.0			
	56.1	681	2.2	26.41	12.0	22.0	25.0	30.0			
	66.3	576	2.2	22.38	11.0	21.0	23.0	30.0			
	68.3	559	2.5	21.46	11.0	21.0	23.0	30.0			
	80.6	474	2.5	18.18	11.0	20.0	22.0	30.0			
96.9	394	2.5	15.19	10.0	19.0	21.0	30.0				



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>4.00</b>	34.7	1102	0.8	42.05	7.0	13.0	18.0	20.0	<b>PD 32 - 112M/4B</b> <b>PM 32 - 112M/4B</b>	67	102
	38.8	985	0.8	37.79	7.0	13.0	17.0	20.0			
	45.9	832	1.0	31.90	7.0	13.0	17.0	20.0			
	51.0	749	1.0	28.67	7.0	13.0	17.0	20.0			
	57.1	668	1.1	25.86	7.0	13.0	16.0	20.0			
	62.2	613	1.2	23.69	7.0	13.0	16.0	20.0			
	65.3	585	1.2	22.42	7.0	13.0	16.0	20.0			
	69.4	551	1.2	21.37	7.0	13.0	16.0	20.0			
	73.4	520	1.4	20.15	7.0	13.0	15.0	20.0			
	88.7	430	1.8	16.65	7.0	12.0	15.0	20.0			
	104.0	368	2.0	14.09	7.0	12.0	14.0	20.0			
	129.5	295	2.2	11.35	6.0	11.0	14.0	20.0			
	149.9	255	2.2	9.77	6.0	11.0	13.0	20.0			
	177.5	216	2.0	8.29	6.0	10.0	12.0	19.0			
	220.3	173	2.2	6.68	6.0	9.0	12.0	18.0			
	259.1	147	2.3	5.66	5.0	9.0	11.0	17.0			
	67.3	567	0.8	21.89	6.0	11.0	12.0	15.0	<b>PD 22 - 112M/4B</b> <b>PM 22 - 112M/4B</b>	52	100
	79.6	480	1.0	18.51	6.0	11.0	13.0	15.0			
	88.7	430	1.0	16.56	6.0	11.0	13.0	15.0			
	111.2	343	1.1	13.20	5.0	10.0	12.0	15.0			
	124.4	307	1.1	11.81	5.0	10.0	12.0	15.0			
	144.8	264	1.2	10.16	5.0	10.0	11.0	15.0			
	163.2	234	1.3	9.00	5.0	10.0	11.0	15.0			
	176.5	217	1.1	8.36	5.0	9.0	11.0	15.0			
	196.9	194	1.1	7.48	5.0	9.0	10.0	15.0			
	229.5	167	1.2	6.43	5.0	9.0	10.0	15.0			
	258.1	148	1.3	5.70	5.0	8.0	10.0	15.0			
	326.4	117	1.5	4.51	4.0	8.0	9.0	15.0			
	160.1	238	0.8	9.16	2.0	3.0	8.0	7.0	<b>PD 12 - 112M/4B</b> <b>PM 12 - 112M/4B</b>	42	98
	178.5	214	0.9	8.23	2.0	3.0	8.0	7.0			
204.0	187	1.0	7.25	2.0	3.0	8.0	7.0				
229.5	167	1.0	6.42	2.0	3.0	7.0	7.0				
269.3	142	1.1	5.47	2.0	3.0	7.0	7.0				
308.0	123	1.0	4.78	2.0	3.0	7.0	7.0				
<b>5.50</b>	1.0	51475	1.0	1382.74	-	-	77.0	170.0	<b>PD 113/52 - 132S/4C</b> <b>PM 113/52 - 132S/4C</b>	2162	123
	1.3	39595	1.4	1154.79	-	-	113.0	170.0			
	1.5	34316	1.6	962.15	-	-	124.0	170.0			
	2.0	25737	2.2	731.47	-	-	137.0	170.0			
	2.4	21447	2.5	603.47	-	-	141.0	170.0			
	1.2	42895	0.8	1165.61	-	-	81.0	150.0	<b>PD 103/52 - 132S/4C</b> <b>PM 103/52 - 132S/4C</b>	1324	123
	1.6	32171	1.0	915.84	-	-	109.0	150.0			
	2.1	24512	1.3	692.20	-	-	122.0	150.0			
	2.6	20590	1.6	578.09	-	-	127.0	150.0			
	3.1	17158	1.9	476.93	-	-	130.0	150.0			
	4.0	13199	2.5	366.18	-	-	133.0	150.0			
	2.0	25737	0.9	715.36	70.0	102.0	120.0	130.0	<b>PD 93/42 - 132S/4C</b> <b>PM 93/42 - 132S/4C</b>	746	123
	2.3	22380	1.0	618.83	71.0	102.0	120.0	130.0			
	3.3	16086	1.4	450.86	71.0	102.0	120.0	130.0			
	3.6	14707	1.5	410.49	71.0	102.0	120.0	130.0	<b>PD\PM 93/52 - 132S/4C</b>	775	123
	4.2	12555	1.9	352.16	86.0	102.0	120.0	130.0	<b>PD 93 - 132S/4C</b> <b>PM 93 - 132S/4C</b>	701	115
	5.1	10295	2.2	290.94	82.0	102.0	120.0	130.0			
	7.2	7250	2.9	204.66	77.0	102.0	120.0	130.0			
	8.5	6201	3.4	175.03	75.0	102.0	120.0	130.0			

# 5.50 kW



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>5.50</b>	3.8	13912	0.9	386.39	55.0	73.0	100.0	105.0	<b>PD 83 - 132S/4C PM 83 - 132S/4C</b>	410	113
	4.6	11439	1.0	318.11	55.0	73.0	100.0	105.0			
	5.0	10505	1.1	293.92	56.0	73.0	100.0	105.0			
	6.1	8579	1.4	241.98	55.0	73.0	100.0	105.0			
	7.3	7149	1.4	200.83	54.0	73.0	100.0	105.0			
	8.0	6599	1.8	185.56	54.0	73.0	100.0	105.0			
	9.7	5418	2.2	152.77	52.0	73.0	100.0	105.0			
	10.2	5147	2.2	143.91	52.0	73.0	100.0	105.0			
	12.2	4289	2.6	125.27	50.0	73.0	100.0	105.0			
	5.4	9712	0.8	273.32	38.0	58.0	69.0	80.0			
6.8	7683	1.0	216.45	40.0	58.0	74.0	80.0				
7.1	7354	1.0	204.72	40.0	58.0	75.0	80.0				
9.1	5784	1.0	162.12	40.0	58.0	78.0	80.0				
9.8	5362	1.3	150.32	40.0	58.0	79.0	80.0				
12.2	4289	1.6	123.12	39.0	58.0	80.0	80.0				
14.3	3677	1.9	106.53	38.0	58.0	81.0	80.0				
16.3	3217	2.2	93.05	37.0	58.0	81.0	80.0				
18.4	2860	2.3	78.75	36.0	58.0	81.0	80.0				
8.6	6128	0.9	171.37	24.0	47.0	48.0	60.0	<b>PD 63 - 132S/4C PM 63 - 132S/4C</b>	212	109	
9.2	5719	1.0	160.11	27.0	47.0	49.0	60.0				
11.2	4680	1.0	126.84	33.0	47.0	53.0	60.0				
13.3	3959	1.4	114.79	34.0	47.0	55.0	60.0				
16.3	3217	1.7	92.68	33.0	47.0	56.0	60.0				
19.4	2709	2.0	75.30	32.0	47.0	57.0	60.0				
20.4	2573	2.0	73.42	32.0	47.0	57.0	60.0				
24.5	2145	2.3	59.65	31.0	47.0	58.0	60.0				
28.6	1838	2.5	51.01	30.0	47.0	58.0	60.0				
34.7	1514	2.5	42.41	29.0	47.0	57.0	60.0				
40.8	1287	2.8	36.27	28.0	47.0	55.0	60.0				
18.4	2860	1.3	80.26	33.0	47.0	57.0	60.0	<b>PD 62 - 132S/4C PM 62 - 132S/4C</b>	215	108	
22.4	2340	1.3	65.45	31.0	47.0	57.0	60.0				
24.5	2145	2.0	61.05	31.0	47.0	58.0	60.0				
28.6	1838	2.0	49.79	30.0	47.0	58.0	60.0				
37.7	1392	2.2	39.44	28.0	47.0	56.0	60.0				
16.3	3217	0.8	91.82	19.0	32.0	40.0	40.0	<b>PD 52 - 132S/4C PM 52 - 132S/4C</b>	131	106	
21.4	2451	1.1	68.60	19.0	32.0	42.0	40.0				
26.5	1980	1.2	55.94	19.0	32.0	41.0	40.0				
28.6	1838	1.6	51.45	19.0	32.0	40.0	40.0				
31.6	1660	1.3	47.27	18.0	32.0	39.0	40.0				
34.7	1514	2.0	41.96	18.0	32.0	38.0	40.0				
35.7	1471	1.6	40.79	18.0	32.0	38.0	40.0				
41.8	1255	2.0	35.45	17.0	32.0	37.0	40.0				
43.9	1198	1.8	33.41	18.0	32.0	36.0	40.0				
47.9	1096	2.5	30.47	17.0	32.0	36.0	40.0				
59.2	888	2.8	24.96	16.0	31.0	34.0	40.0				
23.5	2238	0.8	61.64	11.0	21.0	26.0	30.0	<b>PD 42 - 132S/4C PM 42 - 132S/4C</b>	96	104	
28.6	1838	1.0	52.23	11.0	21.0	27.0	30.0				
32.6	1608	1.0	45.06	11.0	22.0	26.0	30.0				
33.7	1560	1.0	43.64	11.0	21.0	26.0	30.0				
35.7	1471	1.0	40.79	11.0	22.0	26.0	30.0				
38.8	1354	1.3	38.35	11.0	21.0	25.0	30.0				
39.8	1320	1.0	36.84	11.0	22.0	25.0	30.0				
40.8	1287	1.0	36.39	11.0	21.0	25.0	30.0				
45.9	1144	1.4	32.04	11.0	21.0	25.0	30.0				
55.1	954	1.5	26.72	11.0	20.0	24.0	30.0				
56.1	936	1.8	26.41	11.0	21.0	24.0	30.0				
66.3	792	2.0	22.38	11.0	20.0	23.0	30.0				
68.3	768	2.0	21.46	11.0	20.0	23.0	30.0				
80.6	652	2.5	18.18	10.0	19.0	22.0	30.0				
96.9	542	2.5	15.19	10.0	18.0	21.0	30.0				
116.3	452	2.6	12.67	9.0	17.0	20.0	30.0				



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm	
<b>5.50</b>	45.9	1144	0.8	31.90	6.0	10.0	16.0	20.0	<b>PD 32 - 132S/4C</b> <b>PM 32 - 132S/4C</b>	81	102	
	51.0	1029	0.8	28.67	6.0	11.0	16.0	20.0				
	57.1	919	0.9	25.86	6.0	11.0	15.0	20.0				
	62.2	844	0.9	23.69	6.0	11.0	15.0	20.0				
	65.3	805	1.0	22.42	6.0	11.0	15.0	20.0				
	69.4	757	0.9	21.37	6.0	11.0	15.0	20.0				
	73.4	715	1.0	20.15	6.0	11.0	15.0	20.0				
	88.7	592	1.3	16.65	6.0	11.0	14.0	20.0				
	104.0	505	1.6	14.09	6.0	10.0	14.0	20.0				
	129.5	406	1.9	11.35	6.0	10.0	13.0	19.0				
	149.9	350	2.2	9.77	6.0	10.0	13.0	19.0				
	177.5	296	2.0	8.29	5.0	9.0	12.0	18.0				
	220.3	238	2.3	6.68	5.0	9.0	11.0	17.0				
	260.1	202	2.5	5.66	5.0	8.0	11.0	17.0				
	330.5	159	2.6	4.48	5.0	8.0	10.0	16.0				
<b>7.50</b>	1.0	70193	0.8	1382.74	-	-	36.0	170.0	<b>PD 113/52 - 132M/4B</b> <b>PM 113/52 - 132M/4B</b>	2173	123	
	1.3	53994	1.0	1154.79	-	-	65.0	170.0				
	1.5	46795	1.2	962.15	-	-	94.0	170.0				
	2.0	35096	1.6	731.47	-	-	122.0	170.0				
	2.4	29247	1.9	603.47	-	-	132.0	170.0				
		1.6	43870	0.8	915.84	-	-	77.0	150.0	<b>PD 103/52 - 132M/4B</b> <b>PM 103/52 - 132M/4B</b>	1335	123
	2.1	33425	1.0	692.20	-	-	107.0	150.0				
	2.6	28077	1.1	578.09	-	-	117.0	150.0				
	3.1	23398	1.4	476.93	-	-	124.0	150.0				
	4.0	17998	1.8	366.18	-	-	129.0	150.0				
		4.1	17548	1.9	357.40	-	-	130.0	150.0	<b>PD 103 - 132M/4B</b> <b>PM 103 - 132M/4B</b>	1261	117
	4.4	16324	2.0	332.64	-	-	131.0	150.0				
	5.2	13763	2.2	282.85	-	-	133.0	150.0				
	5.6	12763	2.3	263.25	-	-	134.0	150.0				
		2.3	30518	0.8	618.83	56.0	102.0	120.0	130.0			
	3.3	21935	1.0	450.86	60.0	102.0	120.0	130.0				
		3.6	20055	1.1	410.49	61.0	102.0	120.0	130.0	<b>PD\PM 93/52 - 132M/4B</b>	786	123
		4.2	17121	1.4	352.16	78.0	102.0	120.0	130.0	<b>PD 93 - 132M/4B</b> <b>PM 93 - 132M/4B</b>	712	115
	5.1	14039	1.6	290.94	75.0	102.0	120.0	130.0				
	7.2	9886	2.0	204.66	72.0	102.0	120.0	130.0				
	8.5	8457	2.3	175.03	70.0	102.0	120.0	130.0				
	10.2	7019	2.3	144.60	67.0	102.0	120.0	130.0				
	11.2	6381	2.6	135.66	67.0	102.0	120.0	130.0				
		5.0	14325	0.9	293.92	46.0	73.0	100.0	105.0	<b>PD 83 - 132M/4B</b> <b>PM 83 - 132M/4B</b>	421	113
	6.1	11699	1.0	241.98	47.0	73.0	100.0	105.0				
	8.0	8999	1.3	185.56	48.0	73.0	100.0	105.0				
	9.7	7388	1.7	152.77	47.0	73.0	100.0	105.0				
	10.2	7019	1.6	143.91	47.0	73.0	100.0	105.0				
	12.2	5850	2.0	118.48	46.0	73.0	100.0	105.0				
	14.3	5014	2.2	103.13	45.0	73.0	97.0	105.0				
	16.3	4387	2.5	90.79	44.0	73.0	95.0	105.0				
	19.4	3695	2.5	75.70	43.0	73.0	91.0	105.0				
	20.4	3509	2.0	72.17	43.0	73.0	-	-				
	9.1	7887	0.8	162.12	33.0	58.0	74.0	80.0	<b>PD 73 - 132M/4B</b> <b>PM 73 - 132M/4B</b>	296	111	
9.8	7312	1.0	150.32	34.0	58.0	75.0	80.0					
12.2	5850	1.2	123.12	34.0	58.0	78.0	80.0					
14.3	5014	1.4	106.53	34.0	58.0	79.0	80.0					
16.3	4387	1.6	93.05	34.0	58.0	80.0	80.0					
18.4	3899	1.8	78.75	33.0	58.0	78.0	80.0					
21.4	3343	2.0	68.14	33.0	58.0	76.0	80.0					
24.5	2924	2.2	59.52	32.0	57.0	73.0	80.0					
27.5	2600	2.0	53.42	32.0	55.0	71.0	80.0					
21.4	3343	1.6	69.80	33.0	58.0	76.0	80.0					
25.5	2808	1.8	56.90	32.0	56.0	73.0	80.0					
									<b>PD 72 - 132M/4B</b> <b>PM 72 - 132M/4B</b>	289	110	

**7.50 kW**  
**9.20 kW**

**PGR**<sup>®</sup>  
Drive Technologies



$P_1$ [kW]	$n_2$ [Min <sup>-1</sup> ]	$M_2$ [Nm]	$f_B$	$i_{ges}$	$F_R$ [kN]	$F_A$ [kN]	$F_{RGR}$ [kN]	$F_{AGR}$ [kN]	Tip / Type	Kg	Sayfa Page mm
<b>7.50</b>	13.3	5400	1.0	114.79	29.0	47.0	50.0	60.0	<b>PD 63 - 132M/4B</b> <b>PM 63 - 132M/4B</b>	223	109
	16.3	4387	1.2	92.68	29.0	47.0	53.0	60.0			
	19.4	3695	1.5	75.30	29.0	47.0	55.0	60.0			
	20.4	3509	1.5	73.42	29.0	47.0	56.0	60.0			
	24.5	2924	1.7	59.65	28.0	47.0	57.0	60.0			
	28.6	2507	1.9	51.01	28.0	47.0	57.0	60.0			
	34.7	2065	1.9	42.41	27.0	46.0	56.0	60.0			
	40.8	1755	2.0	36.27	26.0	44.0	54.0	60.0			
	47.9	1494	2.2	30.90	25.0	42.0	52.0	60.0			
	51.0	1403	2.0	28.66	25.0	41.0	51.0	60.0			
	24.5	2924	1.4	61.05	29.0	47.0	57.0	60.0	<b>PD 62 - 132M/4B</b> <b>PM 62 - 132M/4B</b>	226	108
	28.6	2507	1.5	49.79	28.0	47.0	57.0	60.0			
	37.7	1897	1.6	39.44	26.0	45.0	55.0	60.0			
	49.0	1462	2.2	29.89	25.0	42.0	52.0	60.0			
	56.1	1276	2.2	26.02	25.0	40.0	50.0	60.0			
	26.5	2700	0.8	55.55	17.0	32.0	39.0	40.0	<b>PD 52 - 132M/4B</b> <b>PM 52 - 132M/4B</b>	142	106
	28.6	2507	1.2	51.45	17.0	32.0	38.0	40.0			
	34.7	2065	1.4	41.96	16.0	32.0	37.0	40.0			
	35.7	2005	1.1	40.79	17.0	31.0	37.0	40.0			
	41.8	1712	1.4	35.45	16.0	31.0	35.0	40.0			
	43.9	1633	1.3	33.41	16.0	30.0	35.0	40.0			
	47.9	1494	1.8	30.47	16.0	31.0	35.0	40.0			
	59.2	1210	2.0	24.96	15.0	29.0	33.0	40.0			
	72.4	989	2.0	20.36	15.0	27.0	31.0	40.0			
	78.5	911	2.2	18.86	15.0	27.0	31.0	40.0			
	35.7	2005	0.8	40.79	9.0	17.0	24.0	30.0	<b>PD 42 - 132M/4B</b> <b>PM 42 - 132M/4B</b>	106	104
	38.8	1847	1.0	38.35	9.0	17.0	24.0	30.0			
	45.9	1560	1.0	32.04	9.0	17.0	23.0	30.0			
	55.1	1299	1.1	26.72	9.0	17.0	22.0	30.0			
	56.1	1276	1.3	26.41	10.0	18.0	23.0	30.0			
	66.3	1080	1.4	22.38	9.0	17.0	22.0	30.0			
	68.3	1048	1.5	21.46	10.0	17.0	22.0	30.0			
	80.6	889	1.9	18.18	9.0	17.0	21.0	30.0			
	96.9	739	1.9	15.19	9.0	16.0	20.0	30.0			
	116.3	615	1.9	12.67	9.0	15.0	19.0	30.0			
	135.7	528	2.0	10.83	9.0	15.0	19.0	30.0			
160.1	447	2.2	9.23	8.0	14.0	18.0	30.0				
176.5	406	1.9	8.33	8.0	14.0	17.0	29.0				
207.1	346	2.0	7.13	8.0	13.0	17.0	28.0				
242.8	295	2.2	6.07	8.0	13.0	16.0	27.0				
73.4	975	0.8	20.15	5.0	8.0	14.0	19.0	<b>PD 32 - 132M/4B</b> <b>PM 32 - 132M/4B</b>	92	102	
88.7	807	1.0	16.65	5.0	8.0	13.0	19.0				
104.0	688	1.1	14.09	5.0	8.0	13.0	19.0				
129.5	553	1.4	11.35	5.0	8.0	13.0	18.0				
149.9	477	1.6	9.77	5.0	8.0	12.0	18.0				
177.5	404	1.5	8.29	5.0	8.0	12.0	17.0				
220.3	325	1.7	6.68	5.0	8.0	11.0	17.0				
259.1	276	1.9	5.66	5.0	7.0	11.0	16.0				
329.5	218	2.0	4.48	5.0	7.0	10.0	15.0				
<b>9.20</b>	1.3	66232	0.9	1154.79	-	-	18.0	170.0	<b>PD 113/52 - 132M/4</b> <b>PM 113/52 - 132M/4</b>	2180	123
	1.5	57402	1.0	962.15	-	-	42.0	170.0			
	2.0	43051	1.3	731.47	-	-	105.0	170.0			
	2.4	35876	1.5	603.47	-	-	121.0	170.0			
	3.1	28701	1.9	479.85	-	-	133.0	170.0			
	4.1	21526	2.2	363.21	-	-	141.0	170.0			
	4.7	18718	2.5	312.23	-	-	144.0	170.0			





P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>9.20</b>	2.1	41001	0.8	692.20	-	-	87.0	150.0	<b>PD 103/52 - 132M/4</b> <b>PM 103/52 - 132M/4</b>	1342	123
	2.6	34441	1.0	578.09	-	-	105.0	150.0			
	3.1	28701	1.1	476.93	-	-	116.0	150.0			
	4.1	21526	1.5	366.18	-	-	126.0	150.0			
	4.2	21000	1.6	357.40	-	-	126.0	150.0	<b>PD 103 - 132M/4</b> <b>PM 103 - 132M/4</b>	1268	117
	4.5	19569	1.8	332.64	-	-	128.0	150.0			
	5.2	16882	1.8	282.85	-	-	130.0	150.0			
	5.6	15656	2.0	263.25	-	-	131.0	150.0			
	8.2	10762	3.2	180.68	-	-	135.0	150.0			
	3.3	26907	0.9	450.86	51.0	102.0	120.0	130.0	<b>PD\PM 93/42 - 132M/4</b>	764	123
	3.6	24601	1.0	410.49	52.0	102.0	120.0	130.0	<b>PD\PM 93/52 - 132M/4</b>	793	123
	4.2	21000	1.1	352.16	70.0	102.0	120.0	130.0	<b>PD 93 - 132M/4</b> <b>PM 93 - 132M/4</b>	719	115
	5.1	17221	1.3	290.94	69.0	102.0	120.0	130.0			
	7.2	12128	1.7	204.66	68.0	102.0	120.0	130.0			
	8.5	10374	2.2	175.03	67.0	102.0	120.0	130.0			
	10.2	8610	2.5	144.60	64.0	102.0	120.0	130.0			
	11.2	7827	3.2	135.66	64.0	102.0	120.0	130.0			
	13.3	6623	3.8	115.51	62.0	102.0	117.0	130.0			
	14.3	6150	3.8	100.70	61.0	102.0	115.0	130.0			
	6.1	14350	0.9	241.98	39.0	73.0	100.0	105.0	<b>PD 83 - 132M/4</b> <b>PM 83 - 132M/4</b>	428	113
	8.0	11039	1.0	185.56	42.0	73.0	100.0	105.0			
	9.7	9063	1.3	152.77	42.0	73.0	100.0	105.0			
	10.2	8610	1.3	143.91	43.0	73.0	100.0	105.0			
	12.2	7176	1.6	125.27	43.0	73.0	98.0	105.0			
	14.3	6150	1.8	103.13	42.0	73.0	95.0	105.0			
	16.3	5381	2.0	90.79	41.0	73.0	92.0	105.0			
	19.4	4532	2.5	75.70	41.0	70.0	89.0	105.0			
	22.4	3914	2.6	65.16	40.0	67.0	86.0	105.0			
	25.5	3444	3.3	57.32	39.0	65.0	83.0	105.0			
	20.4	4305	1.7	72.17	41.0	70.0	-	-	<b>PD 82 - 132M/4</b> <b>PM 82 - 132M/4</b>	424	112
	24.5	3588	1.7	59.41	39.0	66.0	-	-			
	9.8	8969	0.8	150.32	29.0	58.0	71.0	80.0	<b>PD 73 - 132M/4</b> <b>PM 73 - 132M/4</b>	303	111
	12.2	7176	1.0	123.12	31.0	58.0	75.0	80.0			
	14.3	6150	1.1	106.53	31.0	58.0	77.0	80.0			
	16.3	5381	1.3	93.05	31.0	58.0	78.0	80.0			
	18.4	4783	1.4	78.75	31.0	56.0	76.0	80.0			
	21.4	4100	1.6	68.14	31.0	55.0	74.0	80.0			
	24.5	3588	1.8	59.52	30.0	53.0	72.0	80.0			
	27.5	3189	2.0	53.42	30.0	52.0	70.0	80.0			
	31.6	2777	2.3	46.66	29.0	50.0	68.0	80.0			
39.8	2208	2.8	36.95	28.0	47.0	64.0	80.0				
21.4	4100	1.3	69.80	31.0	56.0	74.0	80.0	<b>PD 72 - 132M/4</b> <b>PM 72 - 132M/4</b>	296	110	
25.5	3444	1.5	56.90	30.0	53.0	71.0	80.0				
32.6	2691	1.5	45.06	29.0	50.0	67.0	80.0				
13.3	6623	0.9	114.79	19.0	47.0	45.0	60.0	<b>PD 63 - 132M/4</b> <b>PM 63 - 132M/4</b>	230	109	
16.3	5381	1.0	92.68	26.0	47.0	50.0	60.0				
19.4	4532	1.2	75.30	26.0	47.0	53.0	60.0				
20.4	4305	1.2	73.42	26.0	47.0	54.0	60.0				
24.5	3588	1.4	59.65	26.0	47.0	55.0	60.0				
28.6	3075	1.5	51.01	26.0	45.0	56.0	60.0				
34.7	2532	1.7	42.41	25.0	44.0	55.0	60.0				
40.8	2152	2.0	36.27	25.0	42.0	53.0	60.0				
47.9	1832	2.2	30.90	24.0	40.0	51.0	60.0				
51.0	1722	2.5	28.66	24.0	40.0	50.0	60.0				
60.2	1459	2.8	24.42	23.0	38.0	48.0	60.0				

**9.20 kW**  
**11.0 kW**



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
9.20	24.5	3588	1.1	61.05	27.0	47.0	55.0	60.0	PD 62 - 132M/4 PM 62 - 132M/4	233	108
	28.6	3075	1.2	49.79	26.0	46.0	56.0	60.0			
	37.7	2328	1.2	39.44	25.0	43.0	54.0	60.0			
	49.0	1793	2.3	29.89	24.0	40.0	51.0	60.0			
	57.1	1538	2.8	26.02	24.0	39.0	49.0	60.0			
	64.3	1367	3.3	22.91	23.0	37.0	48.0	60.0			
	28.6	3075	1.0	51.45	15.0	30.0	37.0	40.0	PD 52 - 132M/4 PM 52 - 132M/4	149	106
	35.7	2460	1.2	41.96	15.0	29.0	35.0	40.0			
	36.7	2392	1.0	40.79	15.0	28.0	36.0	40.0			
	41.8	2100	1.2	35.45	15.0	29.0	34.0	40.0			
	43.9	2002	1.0	33.41	15.0	27.0	34.0	40.0			
	49.0	1793	1.5	30.47	15.0	28.0	33.0	40.0			
	59.2	1485	1.8	24.96	15.0	27.0	32.0	40.0			
	72.4	1212	2.3	20.36	14.0	26.0	31.0	40.0			
	78.5	1118	2.2	18.86	14.0	25.0	30.0	40.0			
	83.6	1050	2.5	17.61	14.0	25.0	30.0	40.0			
	95.9	916	2.6	15.38	13.0	24.0	29.0	40.0			
	114.2	768	3.1	13.00	13.0	23.0	27.0	40.0			
	38.8	2266	0.9	38.35	7.0	14.0	22.0	30.0	PD 42 - 132M/4 PM 42 - 132M/4	113	104
	45.9	1913	0.9	32.04	8.0	14.0	22.0	30.0			
	55.1	1594	1.0	26.72	8.0	14.0	21.0	30.0			
	56.1	1565	1.0	26.41	8.0	15.0	22.0	30.0			
	66.3	1325	1.2	22.38	8.0	15.0	21.0	30.0			
	69.4	1266	1.2	21.46	9.0	15.0	21.0	30.0			
	81.6	1076	1.5	18.18	9.0	15.0	20.0	30.0			
	96.9	907	1.8	15.19	8.0	15.0	20.0	30.0			
	116.3	756	2.2	12.67	8.0	14.0	19.0	30.0			
	136.7	643	2.5	10.83	8.0	14.0	18.0	30.0			
	160.1	549	2.8	9.23	8.0	13.0	18.0	29.0			
	177.5	495	2.3	8.33	8.0	13.0	17.0	28.0			
	207.1	424	2.6	7.13	7.0	12.0	16.0	27.0			
	243.8	361	2.9	6.07	7.0	12.0	16.0	26.0			
	272.3	322	3.1	5.44	7.0	12.0	15.0	26.0			
	295.8	297	3.2	5.00	7.0	11.0	15.0	25.0			
	315.2	279	3.3	4.69	7.0	11.0	15.0	25.0			
	88.7	990	0.8	16.65	4.0	7.0	13.0	18.0	PD 32 - 132M/4 PM 32 - 132M/4	98	102
105.1	836	1.0	14.09	4.0	7.0	12.0	18.0				
129.5	678	1.1	11.35	4.0	7.0	12.0	17.0				
151.0	582	1.3	9.77	4.0	7.0	12.0	17.0				
177.5	495	1.2	8.29	4.0	7.0	11.0	16.0				
220.3	399	1.4	6.68	4.0	7.0	11.0	16.0				
260.1	338	1.5	5.66	4.0	7.0	10.0	16.0				
330.5	266	1.6	4.48	4.0	7.0	10.0	15.0				
11.0	1.5	68632	0.9	962.15	-	-	21.0	170.0	PD 113/52 - 160M/4B PM 113/52 - 160M/4B	2200	123
	2.0	51475	1.0	731.47	-	-	77.0	170.0			
	2.4	42895	1.3	603.47	-	-	105.0	170.0			
	3.1	34316	1.6	479.85	-	-	124.0	170.0			
	4.1	25737	1.8	363.21	-	-	137.0	170.0			
	4.8	21904	2.0	312.23	-	-	141.0	170.0			
	6.6	15839	2.5	224.76	-	-	146.0	170.0	PD\PM 113 - 160M/4B	2126	119
	2.6	41180	0.8	578.09	-	-	87.0	150.0	PD 103/52 - 160M/4B PM 103/52 - 160M/4B	1362	123
	3.2	33209	1.0	476.93	-	-	107.0	150.0			
	4.1	25737	1.2	366.18	-	-	120.0	150.0			
	4.2	25110	1.3	357.40	-	-	121.0	150.0	PD 103 - 160M/4B PM 103 - 160M/4B	1288	117
	4.5	23398	1.4	332.64	-	-	124.0	150.0			
	5.3	19798	1.5	282.85	-	-	128.0	150.0			
	5.6	18718	1.6	263.25	-	-	129.0	150.0			
8.3	12710	2.5	180.68	-	-	134.0	150.0				
3.6	29414	0.8	410.49	43.0	91.0	120.0	130.0	PD\PM 93/52 - 160M/4B	813	123	



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>11.0</b>	4.2	25110	1.0	352.16	62.0	102.0	120.0	130.0	<b>PD 93 - 160M/4B PM 93 - 160M/4B</b>	739	115
	5.1	20590	1.0	290.94	62.0	102.0	120.0	130.0			
	7.2	14500	1.4	204.66	64.0	102.0	120.0	130.0			
	8.5	12404	1.9	175.03	63.0	102.0	120.0	130.0			
	10.2	10295	2.2	144.60	61.0	102.0	120.0	130.0			
	11.2	9359	2.5	135.66	61.0	102.0	120.0	130.0			
	13.3	7919	3.1	115.51	59.0	102.0	115.0	130.0			
	14.3	7354	3.2	100.70	59.0	102.0	113.0	130.0			
	18.4	5719	3.4	83.19	56.0	96.0	106.0	130.0			
	8.1	13031	1.0	185.56	37.0	73.0	100.0	105.0	<b>PD 83 - 160M/4B PM 83 - 160M/4B</b>	448	113
	9.8	10724	1.1	152.77	38.0	72.0	98.0	105.0			
	10.2	10295	1.1	143.91	39.0	73.0	98.0	105.0			
	12.2	8579	1.3	118.48	39.0	71.0	95.0	105.0			
	14.3	7354	1.5	103.13	39.0	70.0	92.0	105.0			
	16.3	6435	1.7	90.79	39.0	68.0	90.0	105.0			
	19.4	5418	2.0	75.70	38.0	66.0	87.0	105.0			
	22.4	4680	2.2	65.16	38.0	64.0	84.0	105.0			
	25.5	4118	2.5	57.32	37.0	62.0	82.0	105.0			
	20.4	5147	1.4	72.17	38.0	66.0	-	-	<b>PD 82 - 160M/4B PM 82 - 160M/4B</b>	444	112
	25.5	4118	1.4	59.41	37.0	62.0	-	-			
	31.6	3321	3.1	47.51	36.0	59.0	-	-			
	37.7	2782	3.3	39.12	35.0	56.0	-	-			
	12.2	8579	0.9	123.12	26.0	53.0	72.0	80.0	<b>PD 73 - 160M/4B PM 73 - 160M/4B</b>	323	111
	14.3	7354	1.0	106.53	28.0	53.0	75.0	80.0			
	16.3	6435	1.0	93.05	28.0	53.0	75.0	80.0			
	19.4	5418	1.2	78.75	28.0	51.0	73.0	80.0			
	21.4	4902	1.3	68.14	28.0	51.0	72.0	80.0			
	25.5	4118	1.6	59.52	28.0	50.0	69.0	80.0			
	27.5	3813	1.7	53.42	28.0	49.0	69.0	80.0			
	31.6	3321	2.0	46.66	28.0	48.0	67.0	80.0			
	40.8	2573	2.3	36.95	27.0	45.0	63.0	80.0			
	49.0	2145	2.6	30.49	26.0	43.0	60.0	80.0			
	55.1	1906	2.8	26.92	25.0	41.0	58.0	80.0			
	63.2	1660	2.8	23.47	25.0	40.0	57.0	80.0			
	21.4	4902	1.1	69.80	29.0	52.0	72.0	80.0	<b>PD 72 - 160M/4B PM 72 - 160M/4B</b>	316	110
	26.5	3959	1.3	56.90	28.0	50.0	69.0	80.0			
	32.6	3217	1.7	45.66	28.0	48.0	66.0	80.0			
	39.8	2640	2.2	37.22	27.0	46.0	63.0	80.0			
	42.8	2451	2.2	34.69	27.0	45.0	62.0	80.0			
	16.3	6435	0.9	92.68	21.0	43.0	46.0	60.0			
	19.4	5418	1.0	75.30	23.0	44.0	50.0	60.0			
	20.4	5147	1.0	73.42	23.0	43.0	51.0	60.0			
	24.5	4289	1.2	59.65	24.0	43.0	54.0	60.0			
	29.6	3550	1.3	51.01	24.0	42.0	55.0	60.0			
	34.7	3028	1.4	42.41	24.0	41.0	53.0	60.0			
	40.8	2573	1.6	36.27	23.0	40.0	51.0	60.0			
	47.9	2190	1.9	30.90	23.0	38.0	50.0	60.0			
	52.0	2019	2.0	28.66	23.0	38.0	49.0	60.0			
61.2	1716	2.3	24.42	22.0	36.0	47.0	60.0				
24.5	4289	1.0	61.05	24.0	44.0	54.0	60.0	<b>PD 62 - 160M/4B PM 62 - 160M/4B</b>	223	108	
28.6	3677	1.0	49.79	24.0	42.0	55.0	60.0				
37.7	2782	1.0	39.44	23.0	40.0	52.0	60.0				
50.0	2101	2.0	29.89	23.0	38.0	50.0	60.0				
57.1	1838	2.2	26.02	23.0	37.0	48.0	60.0				
65.3	1608	2.6	22.91	22.0	36.0	47.0	60.0				



$P_1$ [kW]	$n_2$ [Min <sup>-1</sup> ]	$M_2$ [Nm]	$f_B$	$i_{ges}$	$F_R$ [kN]	$F_A$ [kN]	$F_{RGR}$ [kN]	$F_{AGR}$ [kN]	Tip / Type	Kg	Sayfa Page mm			
<b>11.0</b>	36.7	2860	0.9	40.79	13.0	25.0	34.0	40.0	<b>PD 52 - 160M/4B</b> <b>PM 52 - 160M/4B</b>	169	106			
	44.9	2340	1.0	33.41	14.0	25.0	33.0	40.0						
	49.0	2145	1.2	30.47	14.0	26.0	33.0	40.0						
	59.2	1775	1.5	24.96	14.0	26.0	31.0	40.0						
	73.4	1430	2.0	20.36	13.0	24.0	30.0	40.0						
	78.5	1337	1.8	18.86	13.0	24.0	30.0	40.0						
	84.7	1241	2.0	17.61	13.0	24.0	29.0	40.0						
	96.9	1084	2.2	15.38	13.0	23.0	28.0	40.0						
	114.2	919	2.5	13.00	12.0	22.0	27.0	40.0						
	56.1	1872	0.9	26.41	7.0	13.0	21.0	30.0				<b>PD 42 - 160M/4B</b> <b>PM 42 - 160M/4B</b>	133	104
	57.1	1838	0.9	26.25	7.0	13.0	21.0	30.0						
	66.3	1584	1.0	22.38	7.0	13.0	20.0	30.0						
	69.4	1514	1.0	21.46	8.0	13.0	20.0	30.0						
	81.6	1287	1.3	18.18	8.0	13.0	20.0	30.0						
	97.9	1072	1.5	15.19	8.0	13.0	19.0	30.0						
	117.3	895	1.8	12.67	8.0	13.0	18.0	30.0						
	137.7	762	2.0	10.83	8.0	13.0	18.0	29.0						
	161.2	652	2.3	9.23	7.0	13.0	17.0	28.0						
	178.5	588	2.0	8.33	7.0	12.0	17.0	27.0						
	209.1	502	2.2	7.13	7.0	12.0	16.0	27.0						
	245.8	427	2.3	6.07	7.0	11.0	16.0	26.0						
	274.4	383	2.5	5.44	7.0	11.0	15.0	25.0						
	297.8	353	2.5	5.00	7.0	11.0	15.0	25.0						
	317.2	331	2.6	4.69	7.0	11.0	15.0	24.0						
	<b>15.0</b>	2.0	70193	0.8	731.47	-	-	5.0	170.0	<b>PD 113/52 - 160L/4A</b> <b>PM 113/52 - 160L/4A</b>	2225			
		2.4	58493	1.0	603.47	-	-	31.0	170.0					
3.1		46795	1.2	479.85	-	-	94.0	170.0						
4.1		35096	1.3	363.21	-	-	122.0	170.0						
4.8		29869	1.5	312.23	-	-	131.0	170.0						
6.6		21597	1.9	224.76	-	-	141.0	169.0	<b>PD\PM 113 - 160L/4A</b>	2151	117			
3.2		45285	0.8	476.93	-	-	72.0	150.0	<b>PD 103/52 - 160L/4A</b> <b>PM 103/52 - 160L/4A</b>	1387	123			
4.1		35096	1.0	366.18	-	-	103.0	150.0						
4.2		34240	1.0	357.40	-	-	105.0	150.0	<b>PD 103 - 160L/4A</b> <b>PM 103 - 160L/4A</b>	1313	117			
4.5		31905	1.0	332.64	-	-	110.0	150.0						
5.3		26997	1.1	282.85	-	-	118.0	150.0						
5.6		25524	1.2	263.25	-	-	121.0	150.0						
8.3		17331	1.9	180.68	-	-	130.0	150.0						
8.9		16137	1.9	168.16	-	-	131.0	150.0						
10.2		14039	2.0	140.41	-	-	133.0	150.0						
5.1		28077	0.8	290.94	47.0	101.0	120.0	130.0				<b>PD 93 - 160L/4A</b> <b>PM 93 - 160L/4A</b>	764	115
7.2		19772	1.0	204.66	54.0	102.0	120.0	130.0						
8.5		16914	1.4	175.03	55.0	102.0	120.0	130.0						
10.2		14039	1.6	144.60	54.0	100.0	117.0	130.0						
11.2		12763	1.9	135.66	55.0	100.0	116.0	130.0						
13.3		10799	2.2	115.51	54.0	97.0	112.0	130.0						
14.3		10027	2.2	100.70	54.0	95.0	110.0	130.0						
18.4		7799	2.3	83.19	52.0	89.0	103.0	130.0						
20.4		7019	2.3	72.17	51.0	87.0	101.0	130.0						
22.4		6381	2.0	65.13	50.0	84.0	99.0	130.0						



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>15.0</b>	9.8	14624	0.9	152.77	27.0	56.0	89.0	105.0	<b>PD 83 - 160L/4A PM 83 - 160L/4A</b>	473	113
	10.2	14039	0.9	143.91	29.0	57.0	90.0	105.0			
	12.2	11699	1.0	118.48	30.0	58.0	88.0	105.0			
	14.3	10027	1.1	103.13	32.0	58.0	86.0	105.0			
	16.3	8774	1.3	90.79	33.0	58.0	85.0	105.0			
	19.4	7388	1.5	75.70	33.0	58.0	83.0	105.0			
	22.4	6381	1.6	65.16	33.0	57.0	81.0	105.0			
	25.5	5615	1.9	57.32	33.0	56.0	79.0	105.0			
	31.6	4529	2.0	47.79	33.0	54.0	76.0	105.0			
	33.7	4254	2.0	43.52	33.0	53.0	75.0	105.0			
41.8	3424	2.0	35.83	32.0	50.0	71.0	102.0				
47.9	2987	2.2	30.84	31.0	48.0	69.0	99.0				
20.4	7019	1.0	72.17	34.0	58.0	-	-	<b>PD 82 - 160L/4A PM 82 - 160L/4A</b>	469	112	
25.5	5615	1.0	59.41	33.0	56.0	-	-				
31.6	4529	2.2	47.51	33.0	54.0	-	-				
37.7	3795	2.2	39.12	32.0	52.0	-	-				
16.3	8774	0.8	93.05	21.0	42.0	70.0	80.0	<b>PD 73 - 160L/4A PM 73 - 160L/4A</b>	348	111	
19.4	7388	1.0	78.75	22.0	42.0	68.0	80.0				
21.4	6685	1.0	68.14	23.0	42.0	67.0	80.0				
25.5	5615	1.1	59.52	24.0	42.0	66.0	80.0				
27.5	5200	1.2	53.42	24.0	43.0	65.0	80.0				
31.6	4529	1.4	46.66	24.0	42.0	64.0	80.0				
40.8	3509	1.7	36.95	24.0	40.0	60.0	80.0				
49.0	2924	2.0	30.49	24.0	39.0	58.0	80.0				
55.1	2600	2.0	26.92	23.0	38.0	57.0	80.0				
21.4	6685	0.9	69.80	24.0	44.0	68.0	80.0	<b>PD 72 - 160L/4A PM 72 - 160L/4A</b>	341	110	
26.5	5400	1.0	56.90	24.0	43.0	66.0	80.0				
32.6	4387	1.2	45.66	25.0	43.0	64.0	80.0				
39.8	3600	1.7	37.22	24.0	41.0	61.0	80.0				
42.8	3343	1.6	34.69	25.0	41.0	60.0	80.0				
55.1	2600	2.0	26.89	24.0	39.0	57.0	80.0				
19.4	7388	0.8	75.30	5.0	33.0	41.0	60.0	<b>PD 63 - 160L/4A PM 63 - 160L/4A</b>	275	109	
20.4	7019	0.8	73.42	14.0	33.0	43.0	60.0				
24.5	5850	0.9	59.65	18.0	34.0	49.0	60.0				
29.6	4841	1.0	51.01	19.0	35.0	51.0	60.0				
34.7	4129	1.0	42.41	20.0	35.0	50.0	60.0				
40.8	3509	1.2	36.27	20.0	35.0	49.0	60.0				
47.9	2987	1.4	30.90	20.0	34.0	48.0	60.0				
52.0	2753	1.5	28.66	20.0	34.0	47.0	60.0				
61.2	2340	1.7	24.42	20.0	33.0	45.0	60.0				
24.5	5850	0.8	61.05	19.0	36.0	49.0	60.0	<b>PD 62 - 160L/4A PM 62 - 160L/4A</b>	278	108	
28.6	5014	0.8	49.79	20.0	35.0	52.0	60.0				
37.7	3795	0.8	39.44	20.0	35.0	49.0	60.0				
50.0	2865	1.5	29.89	21.0	35.0	48.0	60.0				
57.1	2507	1.7	26.02	21.0	34.0	46.0	60.0				
65.3	2193	1.9	22.91	20.0	33.0	45.0	60.0				
79.6	1800	1.9	18.68	20.0	31.0	43.0	60.0				
100.0	1433	1.9	14.80	19.0	29.0	41.0	59.0				
120.4	1190	2.0	12.34	18.0	28.0	39.0	56.0				

**15.0 kW**  
**18.5 kW**



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm			
<b>15.0</b>	49.0	2924	1.0	30.47	11.0	22.0	30.0	40.0	<b>PD 52 - 160L/4A</b> <b>PM 52 - 160L/4A</b>	194	106			
	59.2	2421	1.1	24.96	12.0	22.0	30.0	40.0						
	73.4	1950	1.5	20.36	12.0	21.0	28.0	40.0						
	78.5	1823	1.3	18.86	12.0	21.0	28.0	40.0						
	84.7	1691	1.5	17.61	12.0	21.0	28.0	40.0						
	96.9	1478	1.6	15.38	12.0	21.0	27.0	40.0						
	114.2	1253	1.8	13.00	11.0	20.0	26.0	40.0						
	138.7	1032	2.0	10.73	11.0	19.0	25.0	40.0						
	157.1	911	2.0	9.47	11.0	18.0	24.0	40.0						
	171.4	836	1.8	8.69	11.0	18.0	24.0	40.0						
	208.1	688	2.0	7.17	10.0	17.0	23.0	38.0						
	235.6	608	2.0	6.33	10.0	16.0	22.0	37.0						
	261.1	549	2.2	5.70	10.0	16.0	22.0	36.0						
	281.5	509	2.2	5.35	10.0	15.0	21.0	35.0						
	66.3	2160	0.8	22.38	5.0	8.0	18.0	28.0				<b>PD 42 - 160L/4A</b> <b>PM 42 - 160L/4A</b>	158	104
	69.4	2065	0.8	21.46	5.0	9.0	18.0	28.0						
	81.6	1755	1.0	18.18	6.0	10.0	18.0	28.0						
	97.9	1462	1.1	15.19	6.0	10.0	18.0	28.0						
	117.3	1221	1.3	12.67	6.0	10.0	17.0	27.0						
	137.7	1040	1.5	10.83	6.0	10.0	17.0	27.0						
161.2	889	1.7	9.23	7.0	11.0	16.0	26.0							
178.5	803	1.5	8.33	6.0	10.0	16.0	26.0							
209.1	685	1.6	7.13	6.0	10.0	15.0	25.0							
245.8	582	1.7	6.07	6.0	10.0	15.0	24.0							
274.4	522	1.8	5.44	6.0	10.0	15.0	24.0							
297.8	481	1.9	5.00	6.0	10.0	14.0	24.0							
317.2	452	1.9	4.69	6.0	10.0	14.0	23.0							
<b>18.5</b>	2.4	72142	0.8	603.47	-	-	2.0	170.0	<b>PD 113/52 - 180M/4B</b> <b>PM 113/52 - 180M/4B</b>	2239	123			
	3.1	57713	1.0	479.85	-	-	39.0	170.0						
	4.1	43285	1.0	363.21	-	-	104.0	170.0						
	4.8	36838	1.2	312.23	-	-	119.0	170.0						
	6.6	26637	2.3	224.76	-	-	135.0	165.0	<b>PD 113 - 180M/4B</b> <b>PM 113 - 180M/4B</b>	2165	119			
	8.7	20369	3.3	171.96	-	-	142.0	155.0						
	9.8	18036	3.5	152.87	-	-	144.0	151.0						
	4.1	43285	0.8	366.18	-	-	80.0	150.0	<b>PD 103/52 - 180M/4B</b> <b>PM 103/52 - 180M/4B</b>	1401	123			
	4.9	36071	1.0	302.10	-	-	101.0	150.0						
	8.3	21376	1.5	180.68	-	-	126.0	150.0	<b>PD 103 - 180M/4B</b> <b>PM 103 - 180M/4B</b>	1327	117			
	8.9	19901	1.5	168.16	-	-	128.0	150.0						
	10.2	17315	1.9	140.41	-	-	130.0	150.0						
	6.4	27483	0.9	233.30	27.0	57.0	98.0	123.0	<b>PD 93/52 - 180M/4B</b> <b>PM 93/52 - 180M/4B</b>	852	123			
	7.4	23718	1.0	200.50	30.0	61.0	98.0	123.0						
	8.5	20860	1.1	175.03	47.0	91.0	117.0	130.0	<b>PD 93 - 180M/4B</b> <b>PM 93 - 180M/4B</b>	778	115			
	10.2	17315	1.3	144.60	48.0	89.0	112.0	130.0						
	11.2	15740	1.5	135.66	49.0	91.0	112.0	130.0						
	13.3	13318	1.8	115.51	50.0	89.0	108.0	130.0						
14.3	12368	1.9	100.70	50.0	88.0	107.0	130.0							
18.4	9619	2.2	83.19	48.0	83.0	101.0	130.0							
20.4	8657	2.5	72.17	48.0	82.0	99.0	129.0							
22.4	7870	2.9	65.13	47.0	80.0	97.0	127.0							
26.5	6659	3.3	55.46	46.0	76.0	93.0	122.0							
30.6	5771	3.5	48.35	45.0	74.0	90.0	118.0							



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm			
<b>18.5</b>	12.2	14429	0.8	118.48	23.0	46.0	82.0	105.0	<b>PD 83 - 180M/4B PM 83 - 180M/4B</b>	487	113			
	14.3	12368	1.0	103.13	25.0	49.0	81.0	105.0						
	16.3	10821	1.0	90.79	27.0	50.0	80.0	105.0						
	19.4	9113	1.2	75.70	29.0	51.0	79.0	105.0						
	22.4	7870	1.3	65.16	29.0	51.0	77.0	105.0						
	25.5	6926	1.6	57.32	30.0	51.0	76.0	105.0						
	31.6	5585	2.0	47.79	30.0	49.0	73.0	105.0						
	33.7	5247	1.9	43.52	30.0	49.0	73.0	104.0						
	41.8	4223	2.6	35.83	30.0	47.0	69.0	99.0						
	47.9	3684	3.2	30.84	29.0	46.0	67.0	97.0						
	31.6	5585	1.8	47.51	30.0	50.0	-	-				<b>PD 82 - 180M/4B PM 82 - 180M/4B</b>	483	112
	37.7	4680	1.9	39.12	30.0	48.0	-	-						
	53.0	3330	2.8	28.35	29.0	45.0	66.0	95.0						
	19.4	9113	0.8	78.75	17.0	34.0	64.0	80.0	<b>PD 73 - 180M/4B PM 73 - 180M/4B</b>	362	111			
	21.4	8245	0.9	68.14	18.0	35.0	63.0	80.0						
	25.5	6926	1.0	59.52	20.0	36.0	62.0	80.0						
	27.5	6413	1.0	53.42	21.0	37.0	62.0	80.0						
	31.6	5585	1.1	46.66	21.0	37.0	61.0	80.0						
	40.8	4329	1.4	36.95	22.0	36.0	58.0	80.0						
	49.0	3607	1.7	30.49	22.0	36.0	56.0	80.0						
	55.1	3207	1.9	26.92	22.0	35.0	55.0	80.0						
	63.2	2793	2.2	23.47	21.0	34.0	54.0	78.0						
	32.6	5411	1.0	45.66	22.0	38.0	61.0	80.0	<b>PD 72 - 180M/4B PM 72 - 180M/4B</b>	355	110			
	39.8	4439	1.3	37.22	22.0	37.0	59.0	80.0						
	42.8	4123	1.3	34.69	22.0	38.0	58.0	80.0						
	55.1	3207	1.7	26.89	22.0	36.0	56.0	80.0						
	65.3	2706	2.0	22.90	22.0	35.0	54.0	78.0						
	74.5	2372	2.2	19.96	22.0	34.0	52.0	76.0						
	29.6	5970	0.8	51.01	15.0	29.0	48.0	60.0	<b>PD 63 - 180M/4B PM 63 - 180M/4B</b>	289	109			
	34.7	5092	0.9	42.41	17.0	30.0	47.0	60.0						
	40.8	4329	1.0	36.27	17.0	30.0	47.0	60.0						
	47.9	3684	1.1	30.90	18.0	30.0	46.0	60.0						
	52.0	3395	1.2	28.66	18.0	30.0	45.0	60.0						
	61.2	2886	1.5	24.42	18.0	30.0	44.0	60.0						
	50.0	3534	1.2	29.89	19.0	31.0	46.0	60.0	<b>PD 62 - 180M/4B PM 62 - 180M/4B</b>	292	108			
	57.1	3092	1.3	26.02	19.0	31.0	45.0	60.0						
	65.3	2706	1.5	22.91	19.0	30.0	44.0	60.0						
	79.6	2220	1.9	18.68	18.0	29.0	42.0	60.0						
	100.0	1767	2.3	14.80	18.0	27.0	40.0	57.0						
	120.4	1467	2.8	12.34	17.0	26.0	38.0	55.0						
	139.7	1264	3.3	10.62	17.0	25.0	37.0	53.0						
	59.2	2985	1.0	24.96	10.0	19.0	28.0	40.0	<b>PD 52 - 180M/4B PM 52 - 180M/4B</b>	208	106			
	73.4	2405	1.2	20.36	10.0	19.0	27.0	40.0						
	78.5	2248	1.0	18.86	10.0	19.0	27.0	40.0						
	84.7	2086	1.2	17.61	10.0	19.0	27.0	40.0						
	96.9	1823	1.3	15.38	10.0	19.0	26.0	40.0						
	114.2	1545	1.6	13.00	10.0	18.0	25.0	40.0						
	138.7	1273	1.8	10.73	10.0	18.0	24.0	40.0						
157.1	1124	1.9	9.47	10.0	17.0	24.0	40.0							
171.4	1031	2.0	8.69	10.0	17.0	23.0	39.0							
208.1	849	2.3	7.17	10.0	16.0	22.0	37.0							
235.6	750	2.6	6.33	9.0	15.0	22.0	36.0							
261.1	676	2.5	5.70	9.0	15.0	21.0	35.0							
281.5	627	2.5	5.35	9.0	15.0	21.0	35.0							
296.8	595	2.6	5.02	9.0	15.0	20.0	34.0							
344.8	513	2.9	4.32	9.0	14.0	20.0	33.0							



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>22.0</b>	3.1	68632	0.9	479.85	-	-	18.0	170.0	<b>PD 113/52 - 180L/4B</b> <b>PM 113/52 - 180L/4B</b>	2270	123
	4.1	51475	1.0	363.21	-	-	77.0	170.0			
	4.7	44760	1.0	312.23	-	-	100.0	169.0			
	6.6	31677	2.0	224.76	-	-	128.0	160.0	<b>PD 113 - 180L/4B</b> <b>PM 113 - 180L/4B</b>	2196	119
	8.6	24512	2.5	171.96	-	-	138.0	152.0			
	9.7	21674	2.8	152.87	-	-	141.0	149.0			
	11.2	18718	2.9	130.73	-	-	144.0	144.0			
	13.3	15839	3.2	112.38	-	-	146.0	139.0			
	4.9	42895	0.8	302.10	-	-	81.0	150.0	<b>PD\PM 103/52 - 180L/4B</b>	1432	123
	8.2	25737	1.2	180.68	-	-	120.0	150.0	<b>PD 103 - 180L/4B</b> <b>PM 103 - 180L/4B</b>	1358	117
	8.8	23941	1.2	168.16	-	-	123.0	150.0			
	10.2	20590	1.6	140.41	-	-	127.0	150.0			
	14.3	14707	2.2	104.71	-	-	132.0	146.0			
	16.3	12868	2.5	91.35	-	-	134.0	141.0			
	7.3	28597	0.8	200.50	20.0	46.0	91.0	113.0	<b>PD\PM 93/52 - 180L/4B</b>	883	123
	8.5	24807	1.0	175.03	39.0	79.0	111.0	130.0	<b>PD 93 - 180L/4B</b> <b>PM 93 - 180L/4B</b>	809	115
	10.2	20590	1.0	144.60	41.0	79.0	108.0	130.0			
	11.2	18718	1.2	135.66	44.0	82.0	108.0	130.0			
	13.3	15839	1.5	115.51	45.0	81.0	105.0	130.0			
	14.3	14707	1.6	100.70	45.0	81.0	104.0	130.0			
	17.3	12112	1.8	83.19	45.0	78.0	100.0	129.0			
	20.4	10295	2.2	72.17	45.0	76.0	97.0	126.0			
	22.4	9359	2.3	65.13	44.0	75.0	95.0	124.0			
	26.5	7919	2.5	55.46	44.0	73.0	91.0	119.0			
	30.6	6863	2.8	48.35	43.0	70.0	88.0	116.0			
	35.7	5883	3.1	41.94	42.0	67.0	85.0	112.0			
	41.8	5022	3.3	35.49	41.0	65.0	82.0	108.0			
	14.3	14707	0.8	103.13	19.0	39.0	76.0	105.0	<b>PD 83 - 180L/4B</b> <b>PM 83 - 180L/4B</b>	507	113
	16.3	12868	0.9	90.79	21.0	42.0	76.0	105.0			
	19.4	10837	1.0	75.70	24.0	44.0	75.0	105.0			
	22.4	9359	1.1	65.16	25.0	45.0	74.0	105.0			
	25.5	8236	1.3	57.32	26.0	45.0	73.0	105.0			
	30.6	6863	1.6	47.79	27.0	45.0	71.0	102.0			
	33.7	6240	1.6	43.52	28.0	45.0	71.0	101.0			
	40.8	5147	2.2	35.83	28.0	44.0	68.0	97.0			
	47.9	4381	2.5	30.84	27.0	43.0	66.0	95.0			
	31.6	6641	1.5	47.51	28.0	46.0	-	-	<b>PD 82 - 180L/4B</b> <b>PM 82 - 180L/4B</b>	503	112
	37.7	5564	1.5	39.12	28.0	44.0	-	-			
	52.0	4038	2.2	28.35	27.0	43.0	65.0	93.0			
	60.2	3490	2.8	24.51	27.0	41.0	63.0	90.0			
	24.5	8579	0.8	59.52	15.0	29.0	59.0	80.0	<b>PD 73 - 180L/4B</b> <b>PM 73 - 180L/4B</b>	393	111
	27.5	7625	0.9	53.42	17.0	32.0	59.0	80.0			
	31.6	6641	1.0	46.66	18.0	33.0	58.0	80.0			
	39.8	5279	1.1	36.95	19.0	33.0	56.0	80.0			
	49.0	4289	1.4	30.49	20.0	33.0	55.0	80.0			
	55.1	3813	1.6	26.92	20.0	32.0	54.0	78.0			
	63.2	3321	1.9	23.47	20.0	32.0	52.0	76.0			
	32.6	6435	0.9	45.66	19.0	34.0	59.0	80.0	<b>PD 72 - 180L/4B</b> <b>PM 72 - 180L/4B</b>	386	110
39.8	5279	1.1	37.22	19.0	33.0	57.0	80.0				
42.8	4902	1.1	34.69	20.0	34.0	57.0	80.0				
55.1	3813	1.4	26.89	21.0	33.0	54.0	79.0				
64.3	3268	1.6	22.90	21.0	33.0	53.0	77.0				
74.5	2820	1.9	19.96	20.0	32.0	51.0	75.0				
90.8	2314	2.5	16.27	20.0	30.0	49.0	71.0				
40.8	5147	0.9	36.27	15.0	26.0	44.0	60.0	<b>PD 63 - 180L/4B</b> <b>PM 63 - 180L/4B</b>	320	109	
47.9	4381	1.0	30.90	15.0	27.0	44.0	60.0				
51.0	4118	1.0	28.66	16.0	27.0	43.0	60.0				
60.2	3490	1.2	24.42	16.0	27.0	42.0	60.0				





P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm			
<b>22.0</b>	49.0	4289	1.0	29.89	16.0	28.0	44.0	60.0	<b>PD 62 - 180L/4B</b> <b>PM 62 - 180L/4B</b>	323	108			
	57.1	3677	1.1	26.02	17.0	28.0	43.0	60.0						
	64.3	3268	1.3	22.91	17.0	28.0	43.0	60.0						
	79.6	2640	1.5	18.68	17.0	27.0	41.0	58.0						
	100.0	2101	2.0	14.80	17.0	26.0	39.0	56.0						
	119.3	1760	2.2	12.34	16.0	25.0	38.0	54.0						
	138.7	1514	2.6	10.62	16.0	24.0	36.0	52.0						
	157.1	1337	1.9	9.37	15.0	23.0	35.0	50.0						
	188.7	1113	2.2	7.81	15.0	22.0	34.0	48.0						
	59.2	3550	0.8	24.96	8.0	16.0	27.0	40.0				<b>PD 52 - 180L/4B</b> <b>PM 52 - 180L/4B</b>	239	106
	72.4	2900	1.0	20.36	8.0	16.0	26.0	40.0						
	78.5	2674	1.0	18.86	9.0	17.0	26.0	40.0						
	83.6	2511	1.0	17.61	9.0	16.0	26.0	40.0						
	95.9	2190	1.1	15.38	9.0	17.0	25.0	40.0						
	114.2	1838	1.3	13.00	9.0	16.0	25.0	40.0						
	137.7	1525	1.5	10.73	9.0	16.0	24.0	39.0						
	156.1	1346	1.6	9.47	9.0	16.0	23.0	39.0						
	170.3	1233	1.8	8.69	9.0	15.0	23.0	38.0						
	206.0	1019	2.0	7.17	9.0	15.0	22.0	36.0						
	233.6	899	2.2	6.33	9.0	15.0	21.0	35.0						
	259.1	810	2.0	5.70	9.0	14.0	21.0	35.0						
	279.5	752	2.2	5.35	9.0	14.0	20.0	34.0						
	294.8	712	2.2	5.02	9.0	14.0	20.0	34.0						
	342.7	613	2.3	4.32	9.0	13.0	19.0	33.0						
	<b>30.0</b>	7.4	38461	1.7	201.75	-	-	116.0	136.0	<b>PD\PM 123 - 200L/4C</b>	2229	120		
		6.6	43194	1.5	224.76	-	-	105.0	150.0	<b>PD 113 - 200L/4C</b> <b>PM 113 - 200L/4C</b>	2229	119		
8.7		33031	1.9	171.96	-	-	126.0	145.0						
9.8		29247	2.2	152.87	-	-	132.0	142.0						
11.2		25524	2.5	130.73	-	-	137.0	138.0						
13.3		21597	3.1	112.38	-	-	141.0	134.0						
10.2		28077	1.1	140.41	-	-	117.0	147.0	<b>PD 103 - 200L/4C</b> <b>PM 103 - 200L/4C</b>	1391	117			
14.3		20055	1.6	104.71	-	-	127.0	139.0						
16.3		17548	1.9	91.35	-	-	130.0	136.0						
20.4		14039	2.5	72.71	-	-	133.0	130.0						
22.4		12763	2.5	65.44	-	-	134.0	128.0						
11.2		25524	1.0	135.66	30.0	61.0	99.0	124.0	<b>PD 93 - 200L/4C</b> <b>PM 93 - 200L/4C</b>	842	115			
13.3		21597	1.1	115.51	34.0	64.0	98.0	124.0						
15.3		18718	1.2	100.70	36.0	65.0	96.0	122.0						
18.4		15599	1.4	83.19	36.0	65.0	93.0	119.0						
20.4		14039	1.6	72.17	37.0	65.0	91.0	118.0						
22.4		12763	1.8	65.13	38.0	65.0	90.0	116.0						
26.5		10799	2.0	55.46	38.0	64.0	87.0	113.0						
30.6		9359	2.2	48.35	38.0	63.0	85.0	111.0						
35.7		8022	2.3	41.94	38.0	61.0	83.0	108.0						
41.8		6848	2.5	35.49	38.0	59.0	80.0	104.0						
43.9		6530	2.2	34.36	31.0	46.0	68.0	89.0	<b>PD\PM 92 - 200L/4C</b>	837	114			
19.4		14777	0.8	75.70	13.0	28.0	66.0	96.0	<b>PD 83 - 200L/4C</b> <b>PM 83 - 200L/4C</b>	540	113			
22.4		12763	0.9	65.16	16.0	31.0	66.0	96.0						
26.5		10799	1.0	57.32	19.0	34.0	66.0	95.0						
31.6		9057	1.2	47.79	21.0	36.0	65.0	94.0						
34.7	8257	1.2	43.52	22.0	37.0	65.0	94.0							
41.8	6848	1.6	35.83	23.0	37.0	64.0	91.0							
47.9	5974	1.9	30.84	23.0	37.0	62.0	90.0							
53.0	5400	1.7	28.35	24.0	37.0	62.0	88.0							
61.2	4680	2.0	24.51	24.0	36.0	60.0	86.0							
70.4	4069	2.3	21.14	24.0	36.0	58.0	84.0	<b>PD 82 - 200L/4C</b> <b>PM 82 - 200L/4C</b>	536	112				
85.7	3343	2.3	17.41	23.0	34.0	56.0	80.0							



$P_1$ [kW]	$n_2$ [Min <sup>-1</sup> ]	$M_2$ [Nm]	$f_B$	$i_{ges}$	$F_R$ [kN]	$F_A$ [kN]	$F_{RGR}$ [kN]	$F_{AGR}$ [kN]	Tip / Type	Kg	Sayfa Page mm
<b>30.0</b>	31.6	9057	0.8	46.66	11.0	22.0	52.0	76.0	<b>PD 73 - 200L/4C</b> <b>PM 73 - 200L/4C</b>	426	111
	40.8	7019	0.9	36.95	13.0	24.0	52.0	75.0			
	49.0	5850	1.0	30.49	15.0	26.0	51.0	74.0			
	56.1	5105	1.2	26.92	16.0	26.0	50.0	73.0			
	63.2	4529	1.3	23.47	16.0	26.0	49.0	72.0			
	55.1	5200	1.0	26.89	17.0	27.0	51.0	74.0	<b>PD 72 - 200L/4C</b> <b>PM 72 - 200L/4C</b>	419	110
	65.3	4387	1.2	22.90	17.0	28.0	50.0	72.0			
	74.5	3847	1.4	19.96	17.0	27.0	49.0	71.0			
	91.8	3119	1.9	16.27	17.0	27.0	47.0	68.0			
	116.3	2463	2.2	12.89	17.0	25.0	44.0	65.0			
	133.6	2143	2.3	11.18	17.0	25.0	43.0	63.0			
	151.0	1897	2.0	9.91	16.0	24.0	42.0	61.0			
	158.1	1811	2.5	9.46	17.0	24.0	42.0	60.0			
	172.4	1661	2.2	8.64	16.0	23.0	40.0	59.0			
	199.9	1433	2.3	7.50	16.0	22.0	39.0	57.0			
	65.3	4387	1.0	22.91	13.0	22.0	39.0	56.0	<b>PD 62 - 200L/4C</b> <b>PM 62 - 200L/4C</b>	356	108
	79.6	3600	1.1	18.68	14.0	22.0	38.0	55.0			
	101.0	2836	1.4	14.80	14.0	22.0	37.0	53.0			
	121.4	2360	1.7	12.34	14.0	22.0	36.0	51.0			
	140.8	2034	2.0	10.62	14.0	21.0	35.0	50.0			
	159.1	1800	1.4	9.37	14.0	20.0	33.0	48.0			
	190.7	1501	1.7	7.81	14.0	20.0	32.0	46.0			
	221.3	1294	2.2	6.73	13.0	19.0	31.0	45.0			
	249.9	1146	1.9	5.99	13.0	19.0	31.0	44.0			
	258.1	1109	2.0	5.78	13.0	18.0	30.0	44.0			
	271.3	1055	2.0	5.49	13.0	18.0	30.0	43.0			
	306.0	936	2.2	4.90	13.0	18.0	29.0	42.0			
	340.7	841	2.2	4.38	13.0	17.0	28.0	41.0			
<b>37.0</b>	7.4	47436	1.3	201.75	-	-	92.0	126.0	<b>PD 123 - 225S/4A</b> <b>PM 123 - 225S/4A</b>	2262	120
	9.7	36450	2.0	154.35	-	-	120.0	125.0			
	6.6	53274	1.2	224.76	-	-	68.0	142.0	<b>PD 113 - 225S/4A</b> <b>PM 113 - 225S/4A</b>	2262	119
	8.7	40739	1.6	171.96	-	-	111.0	138.0			
	9.8	36071	1.8	152.87	-	-	121.0	136.0			
	11.2	31480	2.0	130.73	-	-	129.0	133.0			
	13.3	26637	2.3	112.38	-	-	135.0	129.0			
	16.3	21642	2.6	92.07	-	-	141.0	124.0			
	19.4	18225	2.8	77.01	-	-	144.0	120.0			
	10.2	34628	1.0	140.41	-	-	104.0	140.0	<b>PD 103 - 225S/4A</b> <b>PM 103 - 225S/4A</b>	1424	117
	14.3	24734	1.3	104.71	-	-	122.0	134.0			
	16.3	21642	1.5	91.35	-	-	126.0	131.0			
	20.4	17315	2.0	72.71	-	-	130.0	126.0			
	22.4	15740	2.0	65.44	-	-	131.0	124.0			
	26.5	13318	2.3	56.76	-	-	133.0	120.0			
	31.6	11170	2.0	47.95	-	-	135.0	115.0			
	11.2	31480	0.8	135.66	18.0	43.0	91.0	112.0	<b>PD 93 - 225S/4A</b> <b>PM 93 - 225S/4A</b>	875	115
	13.3	26637	0.9	115.51	23.0	49.0	91.0	113.0			
	15.3	23086	1.0	100.70	27.0	52.0	90.0	113.0			
	18.4	19238	1.1	83.19	29.0	53.0	88.0	111.0			
20.4	17315	1.3	72.17	31.0	55.0	87.0	111.0				
23.5	15056	1.5	65.13	32.0	56.0	85.0	109.0				
26.5	13318	1.7	55.46	33.0	56.0	84.0	108.0				
30.6	11542	1.8	48.35	34.0	56.0	82.0	106.0				
35.7	9894	1.9	41.94	34.0	56.0	80.0	104.0				
41.8	8446	2.0	35.49	34.0	54.0	78.0	101.0				
43.9	8053	1.9	34.36	28.0	42.0	66.0	85.0	<b>PD 92 - 225S/4A</b> <b>PM 92 - 225S/4A</b>	870	114	
49.0	7214	2.0	30.79	28.0	41.0	64.0	84.0				
56.1	6297	2.0	26.85	28.0	40.0	63.0	82.0				
64.3	5497	2.2	23.17	27.0	39.0	61.0	80.0				



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>37.0</b>	26.5	13318	0.9	57.32	12.0	24.0	60.0	87.0	<b>PD 83 - 225S/4A</b> <b>PM 83 - 225S/4A</b>	573	113
	31.6	11170	1.0	47.79	15.0	28.0	61.0	88.0			
	34.7	10185	1.0	43.52	17.0	30.0	61.0	88.0			
	41.8	8446	1.3	35.83	18.0	31.0	60.0	86.0			
	49.0	7214	1.5	30.84	20.0	32.0	59.0	85.0			
	53.0	6659	1.4	28.35	21.0	32.0	59.0	84.0	<b>PD 82 - 225S/4A</b> <b>PM 82 - 225S/4A</b>	569	112
	61.2	5771	1.7	24.51	21.0	32.0	58.0	83.0			
	71.4	4947	1.9	21.14	21.0	32.0	56.0	81.0			
	85.7	4123	1.9	17.41	21.0	31.0	54.0	78.0			
	98.9	3570	2.0	15.19	21.0	31.0	53.0	76.0			
	115.3	3064	2.2	12.99	21.0	30.0	51.0	74.0			
	137.7	2565	2.2	10.88	21.0	29.0	49.0	71.0			
	155.0	2279	2.0	9.67	20.0	27.0	48.0	68.0			
	181.6	1945	2.2	8.27	19.0	27.0	46.0	66.0			
	49.0	7214	0.9	30.49	11.0	20.0	47.0	69.0	<b>PD 73 - 225S/4A</b> <b>PM 73 - 225S/4A</b>	459	111
	56.1	6297	1.0	26.92	12.0	21.0	47.0	68.0			
	64.3	5497	1.1	23.47	13.0	22.0	47.0	68.0			
	56.1	6297	0.9	26.89	13.0	22.0	48.0	70.0	<b>PD 72 - 225S/4A</b> <b>PM 72 - 225S/4A</b>	452	110
	65.3	5411	1.0	22.90	14.0	23.0	47.0	69.0			
	75.5	4680	1.1	19.96	15.0	24.0	47.0	67.0			
	91.8	3847	1.5	16.27	15.0	23.0	45.0	65.0			
	116.3	3038	1.8	12.89	15.0	23.0	43.0	62.0			
	134.6	2623	2.0	11.18	15.0	23.0	42.0	61.0			
	151.0	2340	1.7	9.91	15.0	22.0	40.0	59.0			
	158.1	2234	2.0	9.46	15.0	22.0	40.0	59.0			
	173.4	2037	1.8	8.64	15.0	21.0	39.0	57.0			
	199.9	1767	1.9	7.50	15.0	21.0	38.0	56.0			
	235.6	1499	2.0	6.34	14.0	20.0	37.0	54.0			
	282.5	1250	2.2	5.30	14.0	19.0	35.0	51.0			
	351.9	1004	2.3	4.26	14.0	18.0	33.0	49.0			
	65.3	5411	0.8	22.91	10.0	17.0	37.0	52.0			
	80.6	4384	1.0	18.68	11.0	18.0	36.0	51.0			
	101.0	3498	1.2	14.80	12.0	19.0	35.0	50.0			
	121.4	2910	1.4	12.34	13.0	19.0	34.0	49.0			
	140.8	2510	1.6	10.62	13.0	19.0	33.0	48.0			
	160.1	2206	1.1	9.37	12.0	18.0	32.0	46.0			
191.8	1842	1.3	7.81	12.0	18.0	31.0	45.0				
222.4	1589	1.7	6.73	12.0	17.0	30.0	44.0				
249.9	1413	1.6	5.99	12.0	17.0	30.0	43.0				
259.1	1363	1.6	5.78	12.0	17.0	30.0	42.0				
272.3	1297	1.6	5.49	12.0	17.0	29.0	42.0				
307.0	1151	1.7	4.90	12.0	17.0	29.0	41.0				
341.7	1034	1.8	4.38	12.0	16.0	28.0	40.0				
<b>45.0</b>	9.7	44331	1.9	154.35	-	-	101.0	116.0	<b>PD 123 - 225M/4C</b> <b>PM 123 - 225M/4C</b>	2295	120
	11.2	38287	2.2	137.22	-	-	116.0	116.0			
	8.7	49547	1.3	171.96	-	-	85.0	130.0	<b>PD 113 - 225M/4C</b> <b>PM 113 - 225M/4C</b>	2295	119
	9.8	43870	1.4	152.87	-	-	103.0	129.0			
	11.2	38287	1.7	130.73	-	-	116.0	127.0			
	13.3	32396	2.0	112.38	-	-	127.0	124.0			
	16.3	26322	2.2	92.07	-	-	136.0	120.0			
	19.4	22166	2.5	77.01	-	-	141.0	117.0			
	23.5	18311	3.2	63.44	-	-	144.0	113.0			
	14.3	30082	1.0	104.71	-	-	113.0	128.0	<b>PD 103 - 225M/4C</b> <b>PM 103 - 225M/4C</b>	1457	117
	16.3	26322	1.2	91.35	-	-	120.0	125.0			
	20.4	21058	1.6	72.71	-	-	126.0	122.0			
	22.4	19143	1.7	65.44	-	-	128.0	120.0			
	26.5	16198	2.0	56.76	-	-	131.0	116.0			
	31.6	13586	2.3	47.95	-	-	133.0	112.0			

**45.0 kW**  
**55.0 kW**



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>45.0</b>	13.3	32396	0.8	115.51	11.0	32.0	83.0	101.0	<b>PD 93 - 225M/4C</b> <b>PM 93 - 225M/4C</b>	908	115
	15.3	28077	0.9	100.70	16.0	38.0	83.0	103.0			
	18.4	23398	1.0	83.19	20.0	41.0	82.0	102.0			
	20.4	21058	1.0	72.17	23.0	44.0	82.0	103.0			
	26.5	16198	1.3	55.46	27.0	48.0	80.0	102.0			
	30.6	14039	1.6	48.35	29.0	49.0	79.0	101.0			
	35.7	12033	1.9	41.94	30.0	49.0	77.0	99.0			
	41.8	10272	2.2	35.49	31.0	49.0	75.0	97.0			
	43.9	9794	1.5	34.36	25.0	37.0	64.0	82.0	<b>PD 92 - 225M/4C</b> <b>PM 92 - 225M/4C</b>	903	114
	49.0	8774	1.9	30.79	25.0	37.0	62.0	81.0			
	56.1	7658	2.0	26.85	25.0	37.0	61.0	79.0			
	64.3	6685	2.2	23.17	25.0	36.0	59.0	77.0			
	74.5	5769	2.5	20.09	25.0	35.0	57.0	75.0			
	86.7	4955	3.1	17.34	25.0	34.0	55.0	72.0			
	31.6	13586	0.9	47.79	8.0	18.0	55.0	80.0	<b>PD 83 - 225M/4C</b> <b>PM 83 - 225M/4C</b>	606	113
	34.7	12387	0.8	43.52	11.0	22.0	56.0	81.0			
	41.8	10272	1.1	35.83	13.0	24.0	56.0	80.0			
	49.0	8774	1.3	30.84	15.0	26.0	55.0	80.0			
	61.2	7019	1.4	24.51	18.0	28.0	55.0	79.0	<b>PD 82 - 225M/4C</b> <b>PM 82 - 225M/4C</b>	602	112
	71.4	6016	1.6	21.14	19.0	28.0	54.0	78.0			
	85.7	5014	1.8	17.41	19.0	28.0	52.0	75.0			
	98.9	4341	2.0	15.19	19.0	28.0	51.0	73.0			
	115.3	3727	2.5	12.99	19.0	27.0	50.0	71.0			
	137.7	3119	3.2	10.88	19.0	27.0	48.0	69.0			
	155.0	2770	2.2	9.67	18.0	25.0	46.0	67.0			
	181.6	2366	2.9	8.27	18.0	25.0	45.0	65.0			
	56.1	7658	0.8	26.92	8.0	15.0	44.0	63.0	<b>PD 73 - 225M/4C</b> <b>PM 73 - 225M/4C</b>	492	111
	64.3	6685	1.0	23.47	9.0	17.0	43.0	63.0			
	65.3	6581	0.9	22.90	11.0	18.0	44.0	65.0	<b>PD 72 - 225M/4C</b> <b>PM 72 - 225M/4C</b>	485	110
	75.5	5691	1.0	19.96	12.0	20.0	44.0	64.0			
	91.8	4680	1.3	16.27	13.0	20.0	43.0	62.0			
	116.3	3695	1.5	12.89	13.0	20.0	41.0	60.0			
	134.6	3191	1.8	11.18	14.0	20.0	40.0	59.0			
	151.0	2846	1.4	9.91	13.0	19.0	39.0	57.0			
	158.1	2718	2.2	9.46	14.0	20.0	39.0	57.0			
	173.4	2477	1.6	8.64	13.0	19.0	38.0	56.0			
199.9	2149	2.0	7.50	13.0	19.0	37.0	54.0				
235.6	1823	2.2	6.34	13.0	18.0	36.0	52.0				
250.9	1712	2.3	5.96	13.0	18.0	35.0	52.0				
282.5	1520	2.5	5.30	13.0	18.0	35.0	50.0				
297.8	1443	2.5	5.03	13.0	18.0	34.0	50.0				
351.9	1221	2.8	4.26	13.0	17.0	33.0	48.0				
121.4	3539	1.1	12.34	10.0	16.0	32.0	46.0	<b>PD 62 - 225M/4C</b> <b>PM 62 - 225M/4C</b>	422	108	
140.8	3052	1.3	10.62	11.0	16.0	32.0	46.0				
191.8	2240	1.1	7.81	11.0	16.0	30.0	43.0				
222.4	1932	1.4	6.73	11.0	16.0	29.0	42.0				
249.9	1719	1.3	5.99	11.0	16.0	29.0	41.0				
259.1	1658	1.3	5.78	11.0	16.0	29.0	41.0				
272.3	1578	1.3	5.49	11.0	15.0	28.0	41.0				
307.0	1399	1.4	4.90	11.0	15.0	28.0	40.0				
341.7	1257	1.5	4.38	11.0	15.0	27.0	39.0				
<b>55.0</b>	9.8	53619	1.5	154.35	-	-	67.0				105.0
	11.2	46795	1.8	137.22	-	-	94.0	106.0			
	13.3	39595	2.0	117.35	-	-	113.0	107.0			
	15.3	34316	2.5	100.88	-	-	124.0	106.0			



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm			
<b>55.0</b>	8.8	59854	1.0	171.96	-	-	49.0	121.0	<b>PD 113 - 250M/4C</b> <b>PM 113 - 250M/4C</b>	2479	119			
	9.9	53066	1.2	152.87	-	-	69.0	120.0						
	11.2	46795	1.3	130.73	-	-	94.0	120.0						
	13.3	39595	1.6	112.38	-	-	113.0	118.0						
	16.3	32171	1.9	92.07	-	-	128.0	116.0						
	19.4	27092	2.0	77.01	-	-	135.0	113.0						
	23.5	22380	2.5	63.44	-	-	140.0	109.0						
	27.5	19065	2.6	54.26	-	-	143.0	106.0						
	14.3	36767	0.9	104.71	-	-	99.0	119.0				<b>PD 103 - 250M/4C</b> <b>PM 103 - 250M/4C</b>	1641	117
	16.3	32171	1.0	91.35	-	-	109.0	119.0						
	20.4	25737	1.3	72.71	-	-	120.0	116.0						
	23.5	22380	1.4	65.44	-	-	125.0	114.0						
	26.5	19798	1.6	56.76	-	-	128.0	112.0						
	31.6	16605	2.0	47.95	-	-	131.0	109.0						
	36.7	14298	2.2	41.00	-	-	133.0	106.0						
	43.9	11971	2.6	34.35	-	-	134.0	102.0						
	51.0	10295	2.8	29.79	-	-	135.0	99.0						
	55.1	9532	2.5	27.18	-	-	135.0	97.0						
	18.4	28597	0.8	83.19	9.0	26.0	75.0	91.0	<b>PD 93 - 250M/4C</b> <b>PM 93 - 250M/4C</b>	1077	115			
	21.4	24512	1.0	72.17	14.0	32.0	75.0	93.0						
	27.5	19065	1.1	55.46	21.0	38.0	75.0	94.0						
	31.6	16605	1.3	48.35	23.0	40.0	74.0	94.0						
	35.7	14707	1.5	41.94	25.0	41.0	73.0	93.0						
	42.8	12256	1.8	35.49	26.0	43.0	72.0	92.0						
	43.9	11971	1.2	34.36	20.0	31.0	61.0	77.0	<b>PD 92 - 250M/4C</b> <b>PM 92 - 250M/4C</b>	1072	114			
	49.0	10724	1.5	30.79	21.0	32.0	60.0	77.0						
	56.1	9359	1.7	26.85	22.0	32.0	59.0	75.0						
	65.3	8043	1.9	23.17	23.0	32.0	57.0	74.0						
	75.5	6956	2.0	20.09	22.0	31.0	55.0	72.0						
	86.7	6055	2.3	17.34	22.0	31.0	54.0	70.0						
	103.0	5096	2.6	14.69	22.0	30.0	52.0	68.0						
	61.2	8579	1.1	24.51	14.0	22.0	52.0	74.0	<b>PD 82 - 250M/4C</b> <b>PM 82 - 250M/4C</b>	786	112			
	71.4	7354	1.3	21.14	15.0	23.0	51.0	74.0						
86.7	6055	1.5	17.41	16.0	24.0	50.0	72.0							
98.9	5307	1.7	15.19	17.0	24.0	49.0	70.0							
116.3	4515	2.0	12.99	17.0	24.0	48.0	69.0							
138.7	3785	2.5	10.88	17.0	24.0	47.0	67.0							
156.1	3364	1.8	9.67	17.0	23.0	45.0	65.0							
182.6	2875	2.3	8.27	17.0	23.0	44.0	63.0							
218.3	2405	2.6	6.93	17.0	22.0	42.0	61.0							
333.5	1574	2.9	4.52	16.0	20.0	38.0	55.0							
<b>75.0</b>	9.8	73117	1.1	154.35	-	-	32.0	82.0	<b>PD 123 - 280S/4</b> <b>PM 123 - 280S/4</b>	2654	120			
	11.2	63811	1.3	137.22	-	-	48.0	86.0						
	13.3	53994	1.5	117.35	-	-	65.0	90.0						
	15.3	46795	1.8	100.88	-	-	94.0	92.0						
	18.4	38995	2.2	82.65	-	-	115.0	93.0						
	21.4	33425	2.2	69.12	-	-	125.0	93.0						
	8.8	81618	0.8	171.96	-	-	26.0	102.0	<b>PD 113 - 280S/4</b> <b>PM 113 - 280S/4</b>	2654	119			
	9.9	72363	0.9	152.87	-	-	32.0	104.0						
	11.2	63811	1.0	130.73	-	-	48.0	105.0						
	13.3	53994	1.2	112.38	-	-	65.0	106.0						
	16.3	43870	1.4	92.07	-	-	103.0	105.0						
	19.4	36943	1.5	77.01	-	-	119.0	104.0						
	23.5	30518	1.8	63.44	-	-	130.0	102.0						
	27.5	25997	1.9	54.26	-	-	136.0	100.0						
	32.6	21935	2.0	46.64	-	-	141.0	97.0						
	39.8	17998	2.2	38.21	-	-	144.0	94.0						

**75.0 kW**  
**90.0 kW**

**PGR**<sup>®</sup>  
Drive Technologies





P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>75.0</b>	16.3	43870	0.8	91.35	-	-	77.0	105.0	<b>PD 103 - 280S/4</b> <b>PM 103 - 280S/4</b>	1816	117
	20.4	35096	1.0	72.71	-	-	103.0	105.0			
	23.5	30518	1.0	65.44	-	-	113.0	104.0			
	26.5	26997	1.2	56.76	-	-	118.0	103.0			
	31.6	22643	1.4	47.95	-	-	124.0	102.0			
	36.7	19498	1.7	41.00	-	-	128.0	100.0			
	43.9	16324	1.9	34.35	-	-	131.0	97.0			
	51.0	14039	2.0	29.79	-	-	133.0	95.0			
	56.1	12763	1.9	27.18	-	-	134.0	93.1			
	64.3	11142	2.0	23.58	-	-	135.0	90.0			
	72.4	9886	2.0	21.00	-	-	135.0	88.0			
	27.5	25997	0.9	55.46	5.0	18.0	65.0	79.0	<b>PD 93 - 280S/4</b> <b>PM 93 - 280S/4</b>	1252	115
	31.6	22643	1.0	48.35	10.0	23.0	66.0	81.0			
	35.7	20055	1.1	41.94	13.0	26.0	66.0	82.0			
	42.8	16713	1.3	35.49	17.0	30.0	66.0	82.0			
	43.9	16324	1.0	34.36	12.0	20.0	55.0	69.0	<b>PD 92 - 280S/4</b> <b>PM 92 - 280S/4</b>	1247	114
	49.0	14624	1.1	30.79	13.0	22.0	55.0	69.0			
	56.1	12763	1.2	26.85	15.0	23.0	54.0	69.0			
	65.3	10967	1.4	23.17	17.0	25.0	53.0	68.0			
	75.5	9485	1.5	20.09	17.0	24.0	52.0	66.0			
	87.7	8161	1.8	17.34	18.0	25.0	51.0	65.0			
	103.0	6950	2.0	14.69	19.0	25.0	50.0	64.0			
	126.5	5660	2.0	12.04	19.0	25.0	48.0	62.0			
	148.9	4808	1.9	10.21	18.0	24.0	46.0	59.0			
	175.4	4081	2.0	8.65	18.0	24.0	44.0	58.0			
	214.2	3343	2.0	7.09	18.0	23.0	42.0	56.0			
	62.2	11507	0.9	24.51	5.0	12.0	45.0	65.0	<b>PD 82 - 280S/4</b> <b>PM 82 - 280S/4</b>	961	112
	71.4	10027	1.0	21.14	8.0	14.0	45.0	65.0			
	86.7	8257	1.1	17.41	10.0	16.0	45.0	65.0			
	100.0	7163	1.2	15.19	11.0	17.0	45.0	64.0			
	117.3	6103	1.6	12.99	13.0	19.0	44.0	64.0			
	139.7	5123	1.9	10.88	14.0	19.0	43.0	62.0			
	157.1	4558	1.3	9.67	13.0	19.0	42.0	60.0			
	183.6	3899	1.7	8.27	14.0	19.0	41.0	59.0			
	219.3	3264	1.9	6.93	14.0	19.0	40.0	58.0			
	335.6	2133	2.0	4.52	14.0	18.0	37.0	53.0			
<b>90.0</b>	11.2	76573	1.1	137.22	-	-	23.0	71.0	<b>PD 123 - 280M/4</b> <b>PM 123 - 280M/4</b>	2704	120
	13.3	64793	1.3	117.35	-	-	28.0	77.0			
	15.3	56154	1.5	100.88	-	-	52.0	81.0			
	18.4	46795	1.8	82.65	-	-	94.0	84.0			
	21.4	40109	2.0	69.12	-	-	112.0	85.0			
	9.9	86836	0.8	152.87	-	-	21.0	92.0	<b>PD 113 - 280M/4</b> <b>PM 113 - 280M/4</b>	2704	119
	11.2	76573	0.9	130.73	-	-	32.0	94.0			
	13.3	64793	1.0	112.38	-	-	39.0	96.0			
	16.3	52644	1.1	92.07	-	-	72.0	98.0			
	19.4	44331	1.3	77.01	-	-	101.0	98.0			
	23.5	36622	1.5	63.44	-	-	120.0	97.0			
	27.5	31196	1.8	54.26	-	-	129.0	95.0			
	32.6	26322	2.0	46.64	-	-	136.0	94.0			
	39.8	21597	2.5	38.21	-	-	141.0	91.0			
	46.9	18311	2.8	31.96	-	-	144.0	88.0			
	43.9	19588	2.0	34.85	-	-	143.0	90.0	<b>PD 112 - 280M/4</b> <b>PM 112 - 280M/4</b>	2627	118
	51.0	16846	2.2	29.92	-	-	145.0	87.0			



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>90.0</b>	20.4	42116	0.9	72.71	-	-	84.0	97.0	<b>PD 103 - 280M/4</b> <b>PM 103 - 280M/4</b>	1866	117
	23.5	36622	0.9	65.44	-	-	100.0	97.0			
	26.5	32396	1.0	56.76	-	-	109.0	97.0			
	31.6	27171	1.2	47.95	-	-	118.0	96.0			
	36.7	23398	1.4	41.00	-	-	124.0	95.0			
	43.9	19588	1.7	34.35	-	-	128.0	93.0			
	51.0	16846	1.9	29.79	-	-	130.0	91.0			
	56.1	15314	2.0	27.18	-	-	132.0	89.0			
	64.3	13370	2.2	23.58	-	-	133.0	87.0			
	72.4	11864	2.3	21.00	-	-	134.0	86.0	<b>PD 102 - 280M/4</b> <b>PM 102 - 280M/4</b>	1841	116
	82.6	10399	2.2	18.24	-	-	135.0	84.0			
	100.0	8595	2.5	15.19	-	-	136.0	81.0			
	112.2	7658	2.5	13.50	-	-	136.0	79.0			
	130.6	6581	2.6	11.63	-	-	137.0	76.0			
	145.9	5890	2.8	10.42	-	-	137.0	74.0			
	164.2	5232	2.6	9.20	-	-	137.0	72.0	<b>PD 92 - 280M/4</b> <b>PM 92 - 280M/4</b>	1297	114
	49.0	17548	1.0	30.79	7.0	14.0	51.0	63.0			
	56.1	15314	1.0	26.85	10.0	17.0	51.0	63.0			
	65.3	13161	1.1	23.17	13.0	19.0	51.0	64.0			
	75.5	11383	1.3	20.09	13.0	20.0	49.0	62.0			
	87.7	9794	1.5	17.34	15.0	21.0	49.0	62.0			
	103.0	8340	1.6	14.69	16.0	22.0	48.0	61.0			
	126.5	6792	1.9	12.04	17.0	22.0	46.0	60.0			
	148.9	5769	1.7	10.21	16.0	21.0	44.0	57.0			
	175.4	4897	2.0	8.65	17.0	21.0	43.0	56.0			
	214.2	4011	2.3	7.09	17.0	21.0	41.0	54.0			
	262.1	3277	2.5	5.78	17.0	21.0	40.0	52.0			
	283.6	3030	2.5	5.36	17.0	20.0	39.0	51.0	<b>PD 123 - 315S/4</b> <b>PM 123 - 315S/4</b>	2874	120
11.2	93590	0.9	137.22	-	-	14.0	51.0				
13.3	79191	1.0	117.35	-	-	17.0	60.0				
15.3	68632	1.2	100.88	-	-	27.0	66.0				
18.4	57194	1.4	82.65	-	-	44.0	72.0				
22.4	46795	1.8	69.12	-	-	94.0	76.0	<b>PD 113 - 315S/4</b> <b>PM 113 - 315S/4</b>	2874	119	
13.3	79191	0.9	112.38	-	-	23.0	84.0				
16.3	64343	1.0	92.07	-	-	38.0	88.0				
19.4	54183	1.0	77.01	-	-	64.0	89.0				
23.5	44760	1.2	63.44	-	-	100.0	90.0				
27.5	38129	1.4	54.26	-	-	117.0	89.0				
32.6	32171	1.7	46.64	-	-	128.0	88.0				
39.8	26397	2.0	38.21	-	-	136.0	87.0				
47.9	21904	2.2	31.96	-	-	141.0	85.0	<b>PD 112 - 315S/4</b> <b>PM 112 - 315S/4</b>	2797	118	
43.9	23941	1.6	34.85	-	-	139.0	86.0				
51.0	20590	1.9	29.92	-	-	142.0	84.0				
59.2	17750	2.2	25.47	-	-	145.0	82.0				
70.4	14921	2.2	21.42	-	-	147.0	79.0	<b>PD 103 - 315S/4</b> <b>PM 103 - 315S/4</b>	2036	117	
23.5	44760	0.8	65.44	-	-	74.0	87.0				
26.5	39595	0.9	56.76	-	-	92.0	88.0				
31.6	33209	1.0	47.95	-	-	107.0	89.0				
36.7	28597	1.1	41.00	-	-	116.0	89.0				
43.9	23941	1.3	34.35	-	-	123.0	88.0				
51.0	20590	1.6	29.79	-	-	127.0	87.0				
56.1	18718	1.6	27.18	-	-	129.0	85.0				
64.3	16342	1.8	23.58	-	-	131.0	84.0				
72.4	14500	1.9	21.00	-	-	132.0	82.0				



$P_1$ [kW]	$n_2$ [Min <sup>-1</sup> ]	$M_2$ [Nm]	$f_B$	$i_{ges}$	$F_R$ [kN]	$F_A$ [kN]	$F_{R GR}$ [kN]	$F_{A GR}$ [kN]	Tip / Type	 Kg	Sayfa Page mm 
<b>110</b>	83.6	12555	1.9	18.24	-	-	134.0	81.0	<b>PD 102 - 315S/4</b> <b>PM 102 - 315S/4</b>	2011	116
	100.0	10505	2.0	15.19	-	-	135.0	78.0			
	112.2	9359	2.0	13.50	-	-	135.0	77.0			
	130.6	8043	2.2	11.63	-	-	136.0	74.0			
	145.9	7199	2.2	10.42	-	-	136.0	73.0			
	165.2	6355	2.2	9.20	-	-	137.0	70.0			
	184.6	5688	2.2	8.24	-	-	137.0	69.0			
	199.9	5253	2.0	7.58	-	-	137.0	67.0			
	49.0	21447	0.8	30.79	-	-	45.0	55.0	<b>PD 92 - 315S/4</b> <b>PM 92 - 315S/4</b>	1467	114
	56.1	18718	0.9	26.85	3.0	9.0	46.0	57.0			
	65.3	16086	1.0	23.17	6.0	12.0	47.0	58.0			
	75.5	13912	1.0	20.09	8.0	13.0	46.0	57.0			
	87.7	11971	1.2	17.34	10.0	15.0	46.0	57.0			
	103.0	10193	1.3	14.69	12.0	17.0	45.0	57.0			
	126.5	8303	1.5	12.04	14.0	18.0	44.0	57.0			
	148.9	7051	1.4	10.21	14.0	18.0	43.0	54.0			
	175.4	5986	1.7	8.65	14.0	18.0	42.0	53.0			
	215.2	4879	1.9	7.09	15.0	19.0	40.0	52.0			
	262.1	4006	2.0	5.78	15.0	19.0	39.0	50.0			
	284.6	3690	2.0	5.36	15.0	18.0	38.0	50.0			
<b>132</b>	15.3	82359	1.0	100.88	-	-	26.0	50.0			
	18.4	68632	1.2	82.65	-	-	32.0	59.0			
	22.4	56154	1.5	69.12	-	-	52.0	65.0			
	16.3	77211	0.8	92.07	-	-	44.0	76.0	<b>PD 113 - 315M/4</b> <b>PM 113 - 315M/4</b>	2954	119
	19.4	65020	0.9	77.01	-	-	52.0	80.0			
	23.5	53712	1.0	63.44	-	-	66.0	82.0			
	27.5	45754	1.2	54.26	-	-	97.0	83.0			
	32.6	38605	1.4	46.64	-	-	115.0	83.0			
	39.8	31677	1.8	38.21	-	-	128.0	82.0			
	47.9	26285	2.0	31.96	-	-	136.0	81.0			
	51.0	24708	1.6	29.92	-	-	138.0	80.0	<b>PD 112 - 315M/4</b> <b>PM 112 - 315M/4</b>	2877	118
	59.2	21299	1.8	25.47	-	-	141.0	79.0			
	70.4	17905	2.2	21.42	-	-	144.0	77.0			
	36.7	34316	1.0	41.00	-	-	105.0	82.0	<b>PD 103 - 315M/4</b> <b>PM 103 - 315M/4</b>	2116	117
	43.9	28730	1.1	34.35	-	-	116.0	82.0			
	51.0	24708	1.3	29.79	-	-	122.0	82.0			
	56.1	22462	1.3	27.18	-	-	125.0	81.0			
	64.3	19610	1.5	23.58	-	-	128.0	80.0			
	72.4	17400	1.4	21.00	-	-	130.0	79.0			
	83.6	15066	2.0	18.24	-	-	132.0	78.0	<b>PD 102 - 315M/4</b> <b>PM 102 - 315M/4</b>	2091	116
100.0	12606	2.2	15.19	-	-	134.0	76.0				
112.2	11231	2.2	13.50	-	-	134.0	75.0				
130.6	9651	2.3	11.63	-	-	135.0	72.0				
145.9	8639	2.5	10.42	-	-	136.0	71.0				
165.2	7625	2.3	9.20	-	-	136.0	69.0				
184.6	6826	2.5	8.24	-	-	136.0	67.0				
199.9	6303	2.2	7.58	-	-	137.0	65.0				
225.4	5590	2.2	6.74	-	-	137.0	64.0				
262.1	4807	2.3	5.80	-	-	137.0	62.0				
291.7	4320	2.5	5.20	-	-	133.0	60.0				





P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
<b>132</b>	56.1	22462	0.8	26.85	-	-	41.0	49.0	<b>PD 92 - 315M/4</b> <b>PM 92 - 315M/4</b>	1547	114
	65.3	19303	0.8	23.17	-	-	42.0	51.0			
	75.5	16694	0.9	20.09	1.0	6.0	42.0	51.0			
	87.7	14365	1.0	17.34	5.0	9.0	42.0	52.0			
	103.0	12231	1.1	14.69	8.0	12.0	42.0	53.0			
	126.5	9963	1.3	12.04	10.0	14.0	42.0	53.0			
	148.9	8461	1.1	10.21	10.0	14.0	40.0	51.0			
	175.4	7182	1.4	8.65	12.0	15.0	40.0	51.0			
	215.2	5855	1.6	7.09	13.0	16.0	39.0	50.0			
	262.1	4807	1.7	5.78	14.0	16.0	38.0	49.0			
	284.6	4428	1.7	5.36	14.0	16.0	37.0	48.0			
<b>160</b>	18.4	83190	1.0	82.65	-	-	30.0	42.0	<b>PD 123 - 315M/4</b> <b>PM 123 - 315M/4</b>	3104	120
	21.4	71306	1.1	69.12	-	-	77.0	49.0			
	19.4	78813	0.8	77.01	-	-	42.0	68.0	<b>PD 113 - 315M/4</b> <b>PM 113 - 315M/4</b>	3104	119
	23.5	65105	0.9	63.44	-	-	45.0	72.0			
	27.5	55460	1.0	54.26	-	-	56.0	74.0			
	32.6	46795	1.2	46.64	-	-	94.0	76.0			
	39.8	38395	1.4	38.21	-	-	116.0	76.0			
	46.9	32553	1.7	31.96	-	-	127.0	76.0			
	51.0	29949	1.3	29.92	-	-	131.0	76.0	<b>PD 112 - 315M/4</b> <b>PM 112 - 315M/4</b>	3027	118
	59.2	25818	1.5	25.47	-	-	136.0	75.0			
	70.4	21702	1.8	21.42	-	-	141.0	74.0			
	82.6	18487	2.0	18.27	-	-	144.0	72.0			
	92.8	16455	2.2	16.33	-	-	145.0	71.0			
	108.1	14127	1.7	14.04	-	-	147.0	67.0			
	126.5	12077	1.9	11.96	-	-	148.0	66.0			
	151.0	10118	2.0	10.05	-	-	149.0	64.0			
	176.5	8655	2.0	8.58	-	-	150.0	61.0			
	197.9	7718	2.2	7.67	-	-	148.0	60.0			
	36.7	41595	0.8	41.00	-	-	85.0	74.0	<b>PD 103 - 315M/4</b> <b>PM 103 - 315M/4</b>	2266	117
	43.9	34823	1.0	34.35	-	-	104.0	75.0			
	51.0	29949	1.0	29.79	-	-	114.0	76.0			
	56.1	27226	1.1	27.18	-	-	118.0	75.0			
	64.3	23769	1.3	23.58	-	-	123.0	75.0			
	72.4	21091	1.2	21.00	-	-	126.0	75.0			
	82.6	18487	1.6	18.24	-	-	129.0	74.0	<b>PD 102 - 315M/4</b> <b>PM 102 - 315M/4</b>	2241	116
	100.0	15280	1.8	15.19	-	-	132.0	73.0			
	112.2	13613	1.9	13.50	-	-	133.0	72.0			
	130.6	11699	2.0	11.63	-	-	134.0	70.0			
	145.9	10471	2.0	10.42	-	-	135.0	69.0			
	165.2	9243	2.0	9.20	-	-	136.0	67.0			
	183.6	8319	2.0	8.24	-	-	136.0	66.0			
	199.9	7640	1.8	7.58	-	-	136.0	64.0			
	224.4	6806	1.9	6.74	-	-	136.0	62.0			
261.1	5850	2.0	5.80	-	-	134.0	60.0				
291.7	5236	2.0	5.20	-	-	131.0	59.0				
75.5	20236	0.8	20.09	-	-	36.0	43.0	<b>PD 92 - 315M/4</b> <b>PM 92 - 315M/4</b>	1697	114	
87.7	17412	0.9	17.34	-	-	38.0	46.0				
103.0	14826	1.0	14.69	2.0	6.0	39.0	47.0				
126.5	12077	1.0	12.04	6.0	9.0	39.0	48.0				
148.9	10257	1.0	10.21	6.0	9.0	38.0	47.0				
175.4	8706	1.2	8.65	8.0	11.0	37.0	47.0				
214.2	7130	1.3	7.09	10.0	13.0	37.0	47.0				
262.1	5827	1.4	5.78	11.0	14.0	36.0	46.0				
283.6	5386	1.4	5.36	12.0	14.0	36.0	46.0				



P <sub>1</sub> [kW]	n <sub>2</sub> [Min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	f <sub>B</sub>	i <sub>ges</sub>	F <sub>R</sub> [kN]	F <sub>A</sub> [kN]	F <sub>R GR</sub> [kN]	F <sub>A GR</sub> [kN]	Tip / Type	Kg	Sayfa Page mm
200	21.4	89133	1.0	69.12	-	-	70.0	28.0	PD\PM 123 - 315L/4	3244	120
	32.6	58493	1.0	46.64	-	-	31.0	66.0	PD 113 - 315L/4 PM 113 - 315L/4	3244	119
	39.8	47995	1.1	38.21	-	-	90.0	68.0			
	46.9	40691	1.3	31.96	-	-	111.0	69.0			
	51.0	37436	1.0	29.92	-	-	118.0	69.0	PD 112 - 315L/4 PM 112 - 315L/4	3167	118
	59.2	32272	1.2	25.47	-	-	127.0	69.0			
	70.4	27127	1.4	21.42	-	-	135.0	69.0			
	82.6	23108	1.7	18.27	-	-	140.0	68.0			
	92.8	20569	1.8	16.33	-	-	142.0	67.0			
	108.1	17659	1.4	14.04	-	-	145.0	64.0			
	126.5	15095	1.5	11.96	-	-	146.0	62.0			
	151.0	12647	1.6	10.05	-	-	148.0	61.0			
	176.5	10819	1.7	8.58	-	-	147.0	59.0			
	197.9	9648	1.8	7.67	-	-	144.0	58.0			
	82.6	23108	1.3	18.24	-	-	124.0	69.0	PD 102 - 315L/4 PM 102 - 315L/4	2381	116
	100.0	19100	1.4	15.19	-	-	128.0	68.0			
	112.2	17017	1.5	13.50	-	-	130.0	68.0			
	130.6	14624	1.6	11.63	-	-	132.0	67.0			
	145.9	13090	1.6	10.42	-	-	133.0	66.0			
	165.2	11554	1.6	9.20	-	-	134.0	64.0			
	183.6	10399	1.6	8.24	-	-	135.0	63.0			
	199.9	9550	1.4	7.58	-	-	135.0	61.0			
	224.4	8508	1.5	6.74	-	-	133.0	60.0			
	261.1	7312	1.5	5.80	-	-	130.0	58.0			
	291.7	6544	1.6	5.20	-	-	127.0	57.0			