

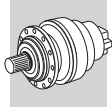
24.7 RATING CHARTS FOR INLINE UNITS 300 L

Reading the rating chart.

		<div style="text-align: center;"> 12 </div> 300 L <div style="display: inline-block; border: 1px solid black; padding: 2px; margin-left: 10px;"> 244 </div>						<div style="text-align: center;"> 1 </div> 1250 Nm						
	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h							
L1	3.48	760	730	730	730	730	730	20	7.5	2000	4000	260	4F	2000
	4.26	1250	1070	950	860	840	720	20	7.5	2000	4000	330	4H	2400
	5.77	860	730	650	650	650	630	20	7.5	2000	4000	260	4F	2400
	7.20	700	600	550	550	550	510	16.5	7.5	2000	4000	160	4D	2400

- | | |
|---|--|
| <p>1 Reference torque</p> <hr/> <p>2 Number of reduction stages (in-line gear unit)</p> <hr/> <p>3 Gear ratio</p> <hr/> <p>4 Gearbox rated output torque based on:
- service factor $f_S=1$
- $n_2 \cdot h$ indicated</p> <hr/> <p>5 Maximum power transmitted to input shaft</p> <hr/> <p>6 Gearbox thermal capacity</p> <hr/> | <p>7 Input angular velocity</p> <hr/> <p>8 Maximum input angular velocity</p> <hr/> <p>9 Rated brake torque (Hydraulic brake)</p> <hr/> <p>10 Negative multidisc hydraulic brake</p> <hr/> <p>11 Maximum output torque at gearbox</p> <hr/> <p>12 Page where dimensions can be sorted from</p> <hr/> |
|---|--|





300 L

244

1250 Nm

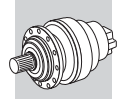
	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}	
		n ₂ ·h 10000	n ₂ ·h 25000	n ₂ ·h 50000	n ₂ ·h 100000	n ₂ ·h 500000	n ₂ ·h 1000000								[kW]
L1	3.48	760	730	730	730	730	730	20	7.5	2000	4000	260	4F	2000	
	4.26	1250	1070	950	860	840	720	20	7.5	2000	4000	330	4H	2400	
	5.77	860	730	650	650	650	630	20	7.5	2000	4000	260	4F	2400	
	7.20	700	600	550	550	550	510	16.5	7.5	2000	4000	160	4D	2400	
	9.00	460	390	370	370	370	370	8.9	7.5	2000	4000	160	4D	2400	
L2	12.1	760	730	730	730	730	730	11.9	7.5	2000	4000	100	4B	2000	
	14.8	1250	1070	950	860	840	720	12.6	7.5	2000	4000	100	4B	2000	
	18.2	1250	1070	950	860	840	720	10.4	7.5	2000	4000	100	4B	2400	
	20.1	860	730	650	650	650	630	7.2	7.5	2000	4000	100	4B	2000	
	24.6	1250	1070	950	860	840	720	7.8	7.5	2000	4000	100	4B	2400	
	30.7	1250	1070	950	860	840	720	6.4	7.5	2000	4000	50	4A	2400	
	33.3	860	730	650	650	650	630	4.3	7.5	2000	4000	50	4A	2400	
	38.4	1250	1070	950	860	840	720	5.2	7.5	2000	4000	50	4A	2400	
	41.5	860	730	650	650	650	630	3.5	7.5	2000	4000	50	4A	2400	
	51.9	860	730	650	650	650	630	2.9	7.5	2000	4000	50	4A	2400	
	64.8	700	600	550	550	550	510	2.0	7.5	2000	4000	50	4A	2400	
	L3	51.6	1250	1070	950	860	840	720	4.2	7.5	2000	4000	50	4A	2000
		63.2	1250	1070	950	860	840	720	3.5	7.5	2000	4000	50	4A	2400
69.9		860	730	650	650	650	630	2.4	7.5	2000	4000	50	4A	2000	
77.5		1250	1070	950	860	840	720	3.0	7.5	2000	4000	50	4A	2400	
85.6		1250	1070	950	860	840	720	2.7	7.5	2000	4000	50	4A	2400	
105		1250	1070	950	860	840	720	2.2	7.5	2000	4000	50	4A	2400	
116		860	730	650	650	650	630	1.6	7.5	2000	4000	50	4A	2400	
131		1250	1070	950	860	840	720	1.8	7.5	2000	4000	50	4A	2400	
142		1250	1070	950	860	840	720	1.6	7.5	2000	4000	50	4A	2400	
177		1250	1070	950	860	840	720	1.3	7.5	2000	4000	50	4A	2400	
192		860	730	650	650	650	630	1.0	7.5	2000	4000	50	4A	2400	
221		1250	1070	950	860	840	720	1.0	7.5	2000	4000	50	4A	2400	
240		860	730	650	650	650	630	0.82	7.5	2000	4000	50	4A	2400	
299	860	730	650	650	650	630	0.66	7.5	2000	4000	50	4A	2400		
374	860	730	650	650	650	630	0.53	7.5	2000	4000	50	4A	2400		
L4	330	1250	1070	950	860	840	720	0.72	6	2000	4000	50	4A	2400	
	403	860	730	650	650	650	630	0.50	6	2000	4000	50	4A	2400	
	447	1250	1070	950	860	840	720	0.53	6	2000	4000	50	4A	2400	
	494	1250	1070	950	860	840	720	0.48	6	2000	4000	50	4A	2400	
	558	1250	1070	950	860	840	720	0.42	6	2000	4000	50	4A	2400	
	616	1250	1070	950	860	840	720	0.38	6	2000	4000	50	4A	2400	
	755	1250	1070	950	860	840	720	0.31	6	2000	4000	50	4A	2400	
	819	1250	1070	950	860	840	720	0.29	6	2000	4000	50	4A	2400	
	942	1250	1070	950	860	840	720	0.25	6	2000	4000	50	4A	2400	
	1022	1250	1070	950	860	840	720	0.23	6	2000	4000	50	4A	2400	
	1108	860	730	650	650	650	630	0.18	6	2000	4000	50	4A	2400	
	1275	1250	1070	950	860	840	720	0.19	6	2000	4000	50	4A	2400	
	1383	860	730	650	650	650	630	0.15	6	2000	4000	50	4A	2400	
1591	1250	1070	950	860	840	720	0.15	6	2000	4000	50	4A	2400		
1725	860	730	650	650	650	630	0.12	6	2000	4000	50	4A	2400		
2153	860	730	650	650	650	630	0.09	6	2000	4000	50	4A	2400		
2692	1000	1000	890	850	760	630	0.09	6	2000	4000	50	4A	2400		




301 L

254




2460 Nm

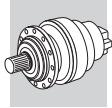
	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h 10000	n ₂ ·h 25000	n ₂ ·h 50000	n ₂ ·h 100000	n ₂ ·h 500000	n ₂ ·h 1000000							
L1	3.48	1490	1430	1430	1430	1430	1300	30	7.5	2000	4000	440	4L	3400
	4.26	2460	2140	1890	1730	1580	1280	30	7.5	2000	4000	440	4L	3400
	5.77	1720	1460	1300	1300	1300	1240	30	7.5	2000	4000	400	4K	3400
	7.20	1150	1150	1150	1150	1150	940	30	7.5	2000	4000	260	4F	3400



301 L		 254						2460 Nm							
	i	M_{n2} [Nm]						P_1	P_t	n_1	n_{1max}	M_b		M_{2max}	
		$n_2 \cdot h$ 10000	$n_2 \cdot h$ 25000	$n_2 \cdot h$ 50000	$n_2 \cdot h$ 100000	$n_2 \cdot h$ 500000	$n_2 \cdot h$ 1000000								[kW]
L1	9.00	920	780	730	730	730	730	15.8	7.5	2000	4000	260	4F	3400	
	L2	12.1	1490	1430	1430	1430	1430	1300	23.9	7.5	2000	4000	160	4D	3400
	14.8	2460	2140	1890	1730	1580	1280	25.0	7.5	2000	4000	160	4D	3400	
	18.2	2460	2140	1890	1730	1580	1280	20.7	7.5	2000	4000	160	4D	3400	
	20.1	1720	1460	1300	1300	1300	1240	14.4	7.5	2000	4000	160	4D	3400	
	24.6	2460	2140	1890	1730	1580	1280	15.6	7.5	2000	4000	160	4D	3400	
	30.7	2000	2000	1830	1730	1580	1280	12.6	7.5	2000	4000	100	4B	3400	
	33.3	1720	1460	1300	1300	1300	1240	8.7	7.5	2000	4000	100	4B	3400	
	38.4	1600	1570	1570	1570	1530	1280	10.1	7.5	2000	4000	100	4B	3400	
	41.5	1720	1460	1300	1300	1300	1240	7.0	7.5	2000	4000	100	4B	3400	
	51.9	1720	1460	1300	1300	1300	1240	5.9	7.5	2000	4000	50	4A	3400	
	64.8	1150	1150	1150	1150	1150	940	4.0	7.5	2000	4000	50	4A	3400	
L3	51.6	2460	2140	1890	1730	1580	1280	8.3	7.5	2000	4000	50	4A	3400	
	63.2	2460	2140	1890	1730	1580	1280	7.0	7.5	2000	4000	50	4A	3400	
	69.9	1720	1460	1300	1300	1300	1240	4.7	7.5	2000	4000	50	4A	3400	
	77.5	2460	2140	1890	1730	1580	1280	5.9	7.5	2000	4000	50	4A	3400	
	85.6	2460	2140	1890	1730	1580	1280	5.4	7.5	2000	4000	50	4A	3400	
	105	2460	2140	1890	1730	1580	1280	4.4	7.5	2000	4000	50	4A	3400	
	116	1720	1460	1300	1300	1300	1240	3.1	7.5	2000	4000	50	4A	3400	
	131	2460	2140	1890	1730	1580	1280	3.5	7.5	2000	4000	50	4A	3400	
	142	2460	2140	1890	1730	1580	1280	3.2	7.5	2000	4000	50	4A	3400	
	177	2460	2140	1890	1730	1580	1280	2.6	7.5	2000	4000	50	4A	3400	
	192	1720	1460	1300	1300	1300	1240	2.0	7.5	2000	4000	50	4A	3400	
	221	2000	2000	1830	1730	1580	1280	2.1	7.5	2000	4000	50	4A	3400	
	240	1720	1460	1300	1300	1300	1240	1.6	7.5	2000	4000	50	4A	3400	
	299	1720	1460	1300	1300	1300	1240	1.3	7.5	2000	4000	50	4A	3400	
	374	1720	1460	1300	1300	1300	1240	1.0	7.5	2000	4000	50	4A	3400	
	L4	330	2460	2140	1890	1730	1580	1280	1.4	6	2000	4000	50	4A	3400
		403	1720	1460	1300	1300	1300	1240	1.00	6	2000	4000	50	4A	3400
447		2460	2140	1890	1730	1580	1280	1.06	6	2000	4000	50	4A	3400	
494		2460	2140	1890	1730	1580	1280	0.96	6	2000	4000	50	4A	3400	
558		2460	2140	1890	1730	1580	1280	0.85	6	2000	4000	50	4A	3400	
616		2460	2140	1890	1730	1580	1280	0.77	6	2000	4000	50	4A	3400	
755		2460	2140	1890	1730	1580	1280	0.63	6	2000	4000	50	4A	3400	
819		2460	2140	1890	1730	1580	1280	0.58	6	2000	4000	50	4A	3400	
942		2460	2140	1890	1730	1580	1280	0.50	6	2000	4000	50	4A	3400	
1022		2460	2140	1890	1730	1580	1280	0.46	6	2000	4000	50	4A	3400	
1108		1720	1460	1300	1300	1300	1240	0.36	6	2000	4000	50	4A	3400	
1275		2460	2140	1890	1730	1580	1280	0.37	6	2000	4000	50	4A	3400	
1383		1720	1460	1300	1300	1300	1240	0.29	6	2000	4000	50	4A	3400	
1591		2000	2000	1830	1730	1580	1280	0.30	6	2000	4000	50	4A	3400	
1725		1720	1460	1300	1300	1300	1240	0.23	6	2000	4000	50	4A	3400	
2153	1720	1460	1300	1300	1300	1240	0.19	6	2000	4000	50	4A	3400		
2692	1720	1460	1300	1300	1300	1240	0.15	6	2000	4000	50	4A	3400		





303 L		 264						2970 Nm						
	i	M_{n2} [Nm]						P_1	P_t	n_1	n_{1max}	M_b		M_{2max}
		$n_2 \cdot h$ 10000	$n_2 \cdot h$ 25000	$n_2 \cdot h$ 50000	$n_2 \cdot h$ 100000	$n_2 \cdot h$ 500000	$n_2 \cdot h$ 1000000							
L1	3.60	2410	2310	2310	2310	2310	2120	40	11	1800	3800	800	5G	5200
	4.25	2970	2810	2810	2650	2570	2090	40	11	1800	3800	800	5G	5200
	5.33	2850	2520	2230	2200	2140	2030	40	11	1800	3800	630	5E	5200
	6.20	2440	2080	1840	1820	1820	1820	40	11	1800	3800	500	5C	5200
	7.50	2000	1750	1650	1650	1650	1500	40	11	1800	3800	400	5B	5200
	9.67	1050	900	860	860	860	860	17.3	11	1800	3800	400	5B	5200
L2	12.5	2410	2310	2310	2310	2130	1730	20	9	2000	4000	260	4F	5200



303 L

264



2970 Nm

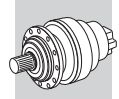
	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h							
	1:	10000	25000	50000	100000	500000	1000000							
L2	15.3	2410	2310	2310	2310	2100	1700	20	9	2000	4000	260	4F	5200
	18.1	2970	2810	2810	2650	2350	1910	20	9	2000	4000	260	4F	5200
	20.8	2410	2210	2210	2210	2030	1650	20	9	2000	4000	160	4D	5200
	22.7	2850	2520	2230	2200	2140	2030	20	9	2000	4000	160	4D	5200
	24.5	2770	2700	2650	2620	2280	1850	20	9	2000	4000	160	4D	5200
	26.4	2440	2080	1840	1820	1820	1820	15.2	9	2000	4000	160	4D	5200
	30.8	2850	2520	2230	2200	2140	2030	15.9	9	2000	4000	160	4D	5200
	35.8	2440	2080	1840	1820	1820	1820	11.2	9	2000	4000	100	4B	5200
	38.4	2850	2450	2230	2200	2140	2030	12.8	9	2000	4000	100	4B	5200
	44.6	2440	2080	1840	1820	1820	1820	9.2	9	2000	4000	100	4B	5200
	55.8	2300	2080	1840	1820	1820	1820	7.6	9	2000	4000	100	4B	5200
	L3	53.4	2410	2310	2310	2310	2100	1700	9.3	7.5	2000	4000	100	4B
63.1		2970	2810	2810	2650	2390	1940	9.8	7.5	2000	4000	100	4B	5200
72.3		2410	2310	2310	2310	2130	1730	7.0	7.5	2000	4000	50	4A	5200
77.2		2970	2810	2810	2650	2350	1910	8.2	7.5	2000	4000	50	4A	5200
90.2		2410	2310	2310	2310	2130	1730	5.6	7.5	2000	4000	50	4A	5200
105		2970	2810	2810	2650	2350	1910	6.2	7.5	2000	4000	50	4A	5200
113		2440	2080	1840	1820	1820	1820	4.4	7.5	2000	4000	50	4A	5200
124		2440	2080	1840	1820	1820	1820	4.0	7.5	2000	4000	50	4A	5200
141		2770	2700	2650	2620	2280	1850	4.4	7.5	2000	4000	50	4A	5200
152		2440	2080	1840	1820	1820	1820	3.4	7.5	2000	4000	50	4A	5200
164		2850	2520	2230	2200	2140	2030	3.9	7.5	2000	4000	50	4A	5200
178		2850	2520	2230	2200	2140	2030	3.6	7.5	2000	4000	50	4A	5200
190		2440	2080	1840	1820	1820	1820	2.8	7.5	2000	4000	50	4A	5200
220		2250	2200	2250	2250	1830	1800	2.3	7.5	2000	4000	50	4A	5200
258		2440	2080	1840	1820	1820	1820	2.0	7.5	2000	4000	50	4A	5200
276		2850	2450	2230	2200	2140	2030	2.4	7.5	2000	4000	50	4A	5200
321		2440	2080	1840	1820	1820	1820	1.6	7.5	2000	4000	50	4A	5200
389		2000	1750	1650	1650	1650	1500	1.2	7.5	2000	4000	50	4A	5200
402	2440	2080	1840	1820	1820	1820	1.3	7.5	2000	4000	50	4A	5200	
L4	413	2850	2520	2230	2200	2140	2030	1.6	6	2000	4000	50	4A	5200
	446	2970	2810	2810	2650	2350	1910	1.5	6	2000	4000	50	4A	5200
	492	2770	2700	2650	2620	2280	1850	1.3	6	2000	4000	50	4A	5200
	556	2970	2810	2810	2650	2350	1910	1.2	6	2000	4000	50	4A	5200
	649	2410	2310	2310	2310	2130	1730	0.84	6	2000	4000	50	4A	5200
	718	2440	2080	1840	1820	1820	1820	0.76	6	2000	4000	50	4A	5200
	816	2770	2700	2650	2620	2280	1850	0.80	6	2000	4000	50	4A	5200
	896	2440	2080	1840	1820	1820	1820	0.61	6	2000	4000	50	4A	5200
	1018	2770	2700	2650	2620	2280	1850	0.64	6	2000	4000	50	4A	5200
	1098	2440	2080	1840	1820	1820	1820	0.50	6	2000	4000	50	4A	5200
	1278	2850	2520	2230	2200	2140	2030	0.53	6	2000	4000	50	4A	5200
	1370	2440	2080	1840	1820	1820	1820	0.40	6	2000	4000	50	4A	5200
	1586	2250	2250	2250	2250	1830	1800	0.34	6	2000	4000	50	4A	5200
	1854	2440	2080	1840	1820	1820	1820	0.29	6	2000	4000	50	4A	5200
	1991	2850	2450	2230	2200	2140	2030	0.34	6	2000	4000	50	4A	5200
2243	2000	1750	1650	1650	1650	1500	0.21	6	2000	4000	50	4A	5200	
2799	2000	1750	1650	1650	1650	1500	0.17	6	2000	4000	50	4A	5200	




304 L

276




3960 Nm

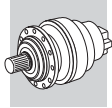
	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h							
	1:	10000	25000	50000	100000	500000	1000000							
L1	3.60	3710	3520	3500	3440	3120	2830	50	12	1800	3800	800	5G	7300
	4.25	3960	3750	3690	3540	3430	2780	50	12	1800	3800	800	5G	7300
	5.33	3740	3190	2850	2850	2850	2710	50	12	1800	3800	630	5E	7300
	6.57	3000	2560	2390	2390	2390	2390	50	12	1800	3800	500	5C	7300
L2	12.5	3710	3520	3500	3440	3120	2830	30	9	2000	4000	260	4F	7300



304 L		 276						3960 Nm						
	i	M_{n2} [Nm]						P_1	P_t	n_1	n_{1max}	M_b		M_{2max}
		$n_2 \cdot h$ 10000	$n_2 \cdot h$ 25000	$n_2 \cdot h$ 50000	$n_2 \cdot h$ 100000	$n_2 \cdot h$ 500000	$n_2 \cdot h$ 1000000							
L2	15.3	3710	3520	3500	3440	3120	2830	30	9	2000	4000	260	4F	7300
	18.1	3960	3750	3690	3540	3430	2780	30	9	2000	4000	260	4F	7300
	20.8	3710	3520	3500	3440	3120	2830	30	9	2000	4000	160	4D	7300
	22.7	3740	3190	2850	2850	2850	2710	28	9	2000	4000	160	4D	7300
	24.5	3960	3750	3690	3540	3430	2780	30	9	2000	4000	160	4D	7300
	30.8	3740	3190	2850	2850	2850	2710	20	9	2000	4000	160	4D	7300
	38.4	3740	3190	2850	2850	2850	2710	16.2	9	2000	4000	160	4D	7300
	47.3	3000	2560	2390	2390	2390	2390	10.9	9	2000	4000	100	4B	7300
	59.1	3000	2560	2390	2390	2390	2390	8.9	9	2000	4000	100	4B	7300
L3	43.6	3710	3520	3500	3440	3120	2830	18.4	7.5	2000	4000	50	4A	7300
	53.4	3710	3520	3500	3440	3120	2830	15.1	7.5	2000	4000	50	4A	7300
	63.1	3960	3750	3690	3540	3430	2780	13.4	7.5	2000	4000	50	4A	7300
	72.3	3710	3520	3500	3440	3120	2830	11.2	7.5	2000	4000	50	4A	7300
	77.2	3960	3750	3690	3540	3430	2780	11.0	7.5	2000	4000	50	4A	7300
	90.2	3710	3520	3500	3440	3080	2830	9.0	7.5	2000	4000	50	4A	7300
	105	3960	3750	3690	3540	3430	2780	8.4	7.5	2000	4000	50	4A	7300
	111	3710	3520	3500	3440	3120	2830	7.5	7.5	2000	4000	50	4A	7300
	130	3960	3750	3690	3540	3430	2780	6.8	7.5	2000	4000	50	4A	7300
	141	3960	3750	3690	3540	3430	2780	6.3	7.5	2000	4000	50	4A	7300
	150	3710	3520	3500	3440	3120	2830	5.6	7.5	2000	4000	50	4A	7300
	165	3000	2560	2390	2390	2390	2390	3.8	7.5	2000	4000	50	4A	7300
	178	3740	3190	2850	2850	2850	2710	4.5	7.5	2000	4000	50	4A	7300
	202	3000	2560	2390	2390	2390	2390	3.1	7.5	2000	4000	50	4A	7300
	220	3960	3710	3660	3540	3430	2780	4.1	7.5	2000	4000	50	4A	7300
	273	3000	2560	2390	2390	2390	2390	2.3	7.5	2000	4000	50	4A	7300
	341	3000	2560	2390	2390	2390	2390	1.8	7.5	2000	4000	50	4A	7300
	426	3000	2560	2390	2390	2390	2390	1.5	7.5	2000	4000	50	4A	7300
L4	413	3740	3190	2850	2850	2850	2710	2.0	6	2000	4000	50	4A	7300
	446	3960	3750	3690	3540	3430	2780	2.1	6	2000	4000	50	4A	7300
	492	3960	3750	3690	3540	3430	2780	1.9	6	2000	4000	50	4A	7300
	556	3960	3750	3690	3540	3430	2780	1.7	6	2000	4000	50	4A	7300
	649	3710	3520	3500	3440	3120	2830	1.4	6	2000	4000	50	4A	7300
	702	3000	2560	2390	2390	2390	2390	0.93	6	2000	4000	50	4A	7300
	816	3960	3750	3690	3540	3430	2780	1.1	6	2000	4000	50	4A	7300
	1018	3960	3750	3690	3540	3430	2780	0.92	6	2000	4000	50	4A	7300
	1164	3000	2560	2390	2390	2390	2390	0.56	6	2000	4000	50	4A	7300
	1271	3960	3750	3690	3540	3430	2780	0.74	6	2000	4000	50	4A	7300
	1344	3710	3520	3500	3440	3080	2830	0.65	6	2000	4000	50	4A	7300
	1586	3960	3710	3660	3540	3430	2780	0.59	6	2000	4000	50	4A	7300
	1815	3000	2560	2390	2390	2390	2390	0.36	6	2000	4000	50	4A	7300
	1991	3740	3190	2850	2850	2850	2710	0.42	6	2000	4000	50	4A	7300
	2269	3000	2560	2390	2390	2390	2390	0.29	6	2000	4000	50	4A	7300
2453	3000	2560	2390	2390	2390	2390	0.27	6	2000	4000	50	4A	7300	



305 L		 288						5800 Nm						
	i	M_{n2} [Nm]						P_1	P_t	n_1	n_{1max}	M_b		M_{2max}
		$n_2 \cdot h$ 10000	$n_2 \cdot h$ 25000	$n_2 \cdot h$ 50000	$n_2 \cdot h$ 100000	$n_2 \cdot h$ 500000	$n_2 \cdot h$ 1000000							
L1	3.60	4700	4490	4490	4490	4480	3640	60	13	1800	3800	1000	5K	8800
	4.25	5800	5500	5480	5300	4410	3580	60	13	1800	3800	1000	5K	8800
	5.33	5600	5040	4470	4400	4280	3490	60	13	1800	3800	1000	5K	8800
	6.20	4690	4000	3600	3600	3550	3460	60	13	1800	3800	800	5G	8800
7.50	3800	3300	3100	3100	3000	2790	60	13	1800	3800	630	5E	8800	
L2	12.5	4700	4490	4490	4490	3800	3090	30	9	2000	4000	400	4K	8800
	15.3	4700	4490	4490	4490	3750	3040	30	9	2000	4000	330	4H	8800
	18.1	5800	5500	5480	5300	4210	3420	30	9	2000	4000	400	4K	8800
	20.8	4700	4450	4430	4430	3630	2950	30	9	2000	4000	260	4F	8800



305 L

288

5800 Nm

	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ -h 10000	n ₂ -h 25000	n ₂ -h 50000	n ₂ -h 100000	n ₂ -h 500000	n ₂ -h 1000000							
L2	22.7	5600	5040	4470	4400	4280	3490	30	9	2000	4000	330	4H	8800
	24.5	5530	5400	5300	5230	4070	3310	30	9	2000	4000	330	4H	8800
	26.4	4690	4000	3600	3600	3550	3460	30	9	2000	4000	260	4F	8800
	30.8	5600	5040	4470	4400	4280	3490	30	9	2000	4000	260	4F	8800
	35.8	4690	4000	3600	3600	3550	3460	22.4	9	2000	4000	160	4D	8800
	38.4	5600	4900	4470	4400	4280	3490	25.5	9	2000	4000	160	4D	8800
	44.6	4690	4000	3600	3600	3550	3460	18.3	9	2000	4000	160	4D	8800
	55.8	4430	4000	3600	3600	3500	3460	15.2	9	2000	4000	160	4D	8800
L3	53.4	4700	4490	4490	4490	3750	3040	18.8	7.5	2000	4000	100	4B	8800
	63.1	5800	5480	5480	5300	4270	3470	19.4	7.5	2000	4000	160	4D	8800
	72.3	4700	4490	4490	4490	3800	3090	14.1	7.5	2000	4000	100	4B	8800
	77.2	5800	5500	5480	5300	4210	3420	16.3	7.5	2000	4000	100	4B	8800
	90.2	4700	4490	4490	4490	3800	3090	11.4	7.5	2000	4000	100	4B	8800
	105	5800	5500	5480	5300	4210	3420	12.3	7.5	2000	4000	100	4B	8800
	113	4690	4000	3600	3600	3550	3460	8.7	7.5	2000	4000	100	4B	8800
	124	4690	4000	3600	3600	3550	3460	8.0	7.5	2000	4000	50	4A	8800
	141	5530	5350	5300	5230	4070	3310	8.9	7.5	2000	4000	100	4B	8800
	152	4690	4000	3600	3600	3550	3460	6.7	7.5	2000	4000	50	4A	8800
	164	5600	5040	4470	4400	4280	3490	7.7	7.5	2000	4000	50	4A	8800
	178	5600	5040	4470	4400	4280	3490	7.2	7.5	2000	4000	50	4A	8800
	190	4690	4000	3600	3600	3550	3460	5.5	7.5	2000	4000	50	4A	8800
	220	4750	4750	4750	4750	3660	3210	4.9	7.5	2000	4000	50	4A	8800
	258	4690	4000	3600	3600	3550	3460	4.1	7.5	2000	4000	50	4A	8800
	276	5600	4900	4470	4400	4280	3490	4.6	7.5	2000	4000	50	4A	8800
	321	4690	4000	3600	3600	3550	3460	3.3	7.5	2000	4000	50	4A	8800
	389	3800	3300	3100	3100	3000	2790	2.2	7.5	2000	4000	50	4A	8800
402	4690	4000	3600	3600	3550	3460	2.6	6	2000	4000	50	4A	8800	
L4	413	5600	5040	4470	4400	4280	3490	3.2	6	2000	4000	50	4A	8800
	446	5800	5500	5480	5300	4210	3420	3.1	6	2000	4000	50	4A	8800
	492	5530	5350	5300	5230	4070	3310	2.6	6	2000	4000	50	4A	8800
	556	5800	5500	5480	5300	4210	3420	2.5	6	2000	4000	50	4A	8800
	649	4700	4490	4490	4490	3800	3090	1.7	6	2000	4000	50	4A	8800
	718	4690	4000	3600	3600	3550	3460	1.5	6	2000	4000	50	4A	8800
	816	5530	5350	5300	5230	4070	3310	1.6	6	2000	4000	50	4A	8800
	896	4690	4000	3600	3600	3550	3460	1.2	6	2000	4000	50	4A	8800
	1018	5530	5350	5300	5230	4070	3310	1.3	6	2000	4000	50	4A	8800
	1098	4690	4000	3600	3600	3550	3460	0.99	6	2000	4000	50	4A	8800
	1278	5600	5040	4470	4400	4280	3490	1.0	6	2000	4000	50	4A	8800
	1370	4690	4000	3600	3600	3550	3460	0.79	6	2000	4000	50	4A	8800
	1586	4750	4750	4750	4750	3660	3210	0.71	6	2000	4000	50	4A	8800
	1854	4690	4000	3600	3600	3550	3460	0.59	6	2000	4000	50	4A	8800
	1991	5600	4900	4470	4400	4280	3490	0.67	6	2000	4000	50	4A	8800
2243	3800	3300	3100	3100	3000	2790	0.40	6	2000	4000	50	4A	8800	
2799	3800	3300	3100	3100	3000	2790	0.32	6	2000	4000	50	4A	8800	

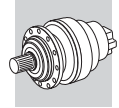
C

306 L

300

10840 Nm

	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ -h 10000	n ₂ -h 25000	n ₂ -h 50000	n ₂ -h 100000	n ₂ -h 500000	n ₂ -h 1000000							
L1	3.60	10840	10380	10380	10380	7100	5770	75	18	1600	3000	2600	6K	14900
	4.25	10420	9850	9850	9850	9600	6990	75	18	1600	3000	2600	6K	14900
	5.33	10080	9350	8300	7950	6810	5530	75	18	1600	3000	2100	6G	14900
	6.20	8630	7370	6530	6500	6460	5480	75	18	1600	3000	1500	6E	14900
	7.50	7000	5900	5500	5500	5040	5040	75	18	1600	3000	1100	6C	14900
L2	13.0	8020	8020	8020	8020	6210	5040	40	13	1800	3800	800	5G	14900
	15.3	9770	9340	9340	9300	6110	4960	40	13	1800	3800	800	5G	14900
	18.1	10420	9850	9850	9600	6860	5570	40	13	1800	3800	630	5E	14900



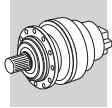
306 L		300	10840 Nm
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	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h							
	1:	10000	25000	50000	100000	500000	1000000							
L2	22.7	9560	9100	9100	9100	6680	5430	40	13	1800	3800	500	5C	14900
	26.4	7890	7590	7590	7590	6620	5380	40	13	1800	3800	400	5B	14900
	28.4	10080	9350	8300	7950	6810	5530	40	13	1800	3800	400	5B	14900
	33.1	9540	9350	8300	7950	6810	5530	40	13	1800	3800	400	5B	14900
	38.4	8630	7370	6530	6500	6460	5480	34	13	1800	3800	400	5B	14900
	46.5	8500	7370	6530	6500	6460	5480	29	13	1800	3800	400	5B	14900
	56.3	7000	5900	5500	5500	5040	5040	21	13	1800	3800	400	5B	14900
	72.5	6400	5900	5500	5500	5040	5040	16.3	13	1800	3800	400	5B	14900
L3	53.2	9770	9340	9340	9300	6110	4960	20	7.5	2000	4000	260	4F	14900
	65.2	9770	9340	9340	9300	6110	4960	20	7.5	2000	4000	160	4D	14900
	77.0	10420	9850	9850	9600	6860	5570	20	7.5	2000	4000	160	4D	14900
	81.9	8320	7700	7700	7530	5950	4830	20	7.5	2000	4000	160	4D	14900
	88.3	9450	9450	9450	9450	6970	5660	20	7.5	2000	4000	160	4D	14900
	104	10420	9850	9850	9600	6860	5570	20	7.5	2000	4000	160	4D	14900
	112	7890	7590	7590	7590	6620	5380	15.2	7.5	2000	4000	160	4D	14900
	121	10080	9350	8300	7950	6810	5530	17.2	7.5	2000	4000	100	4B	14900
	141	9540	9350	8300	7950	6810	5530	14.8	7.5	2000	4000	100	4B	14900
	152	7890	7590	7590	7590	6620	5380	11.3	7.5	2000	4000	100	4B	14900
	190	8630	7370	6530	6500	6460	5480	10.2	7.5	2000	4000	100	4B	14900
	205	10080	9350	8300	7950	6810	5530	10.6	7.5	2000	4000	100	4B	14900
	222	8630	7370	6530	6500	6460	5480	8.8	7.5	2000	4000	50	4A	14900
	238	9540	9350	8300	7950	6810	5530	9.0	7.5	2000	4000	50	4A	14900
	268	7000	5900	5500	5500	5040	5040	6.0	7.5	2000	4000	50	4A	14900
	288	7000	5900	5500	5500	5040	5040	5.6	7.5	2000	4000	50	4A	14900
325	7000	5900	5500	5500	5040	5040	4.9	7.5	2000	4000	50	4A	14900	
405	7000	5900	5500	5500	5040	5040	4.0	7.5	2000	4000	50	4A	14900	
L4	391	8630	7370	6530	6500	6460	5480	5.1	6	2000	4000	50	4A	14900
	444	10420	9850	9850	9600	6860	5570	5.3	6	2000	4000	50	4A	14900
	509	9450	9450	9450	9450	6970	5660	4.1	6	2000	4000	50	4A	14900
	589	10080	9350	8300	7950	6810	5530	3.8	6	2000	4000	50	4A	14900
	636	9450	9450	9450	9450	6970	5660	3.3	6	2000	4000	50	4A	14900
	700	10080	9350	8300	7950	6810	5530	3.2	6	2000	4000	50	4A	14900
	809	7890	7590	7590	7590	6620	5380	2.2	6	2000	4000	50	4A	14900
	877	7890	7590	7590	7590	6620	5380	2.0	6	2000	4000	50	4A	14900
	1015	9540	9350	8300	7950	6810	5530	2.2	6	2000	4000	50	4A	14900
	1095	7890	7590	7590	7590	6620	5380	1.6	6	2000	4000	50	4A	14900
	1279	8630	7370	6530	6500	6460	5480	1.6	6	2000	4000	50	4A	14900
	1475	10080	9350	8300	7950	6810	5530	1.5	6	2000	4000	50	4A	14900
	1597	8630	7370	6530	6500	6460	5480	1.3	6	2000	4000	50	4A	14900
	1843	10080	9350	8300	7950	6810	5530	1.2	6	2000	4000	50	4A	14900
	2074	7000	5900	5500	5500	5040	5040	0.80	6	2000	4000	50	4A	14900
	2337	7000	5900	5500	5500	5040	5040	0.71	6	2000	4000	50	4A	14900
2916	7000	5900	5500	5500	5040	5040	0.57	6	2000	4000	50	4A	14900	



307 L		312	15680 Nm
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	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h							
	1:	10000	25000	50000	100000	500000	1000000							
L1	3.43	9000	9000	9000	9000	8300	7960	115	22	1500	2500	3200	6L	18600
	4.09	15680	14890	14890	13510	9560	7770	115	22	1500	2500	3200	6L	21000
	5.25	14840	12700	11300	10790	9340	7590	115	22	1500	2500	3200	6L	21000
	6.23	11000	9600	8700	8700	8240	7490	115	22	1500	2500	2100	6G	21000
L2	12.3	9000	9000	9000	9000	8300	7960	60	18	1800	3800	1000	5K	18600
	14.7	15680	14890	14890	13510	9560	7770	60	18	1800	3800	800	5G	21000
	17.4	15680	14890	14890	13510	9560	7770	60	18	1800	3800	1000	5K	21000
	21.8	15680	14890	14890	13510	9560	7770	60	18	1800	3800	800	5G	21000
	25.4	14670	14010	14010	13510	9560	7770	60	18	1800	3800	630	5E	21000





307 L



312

15680 Nm



	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h 10000	n ₂ ·h 25000	n ₂ ·h 50000	n ₂ ·h 100000	n ₂ ·h 500000	n ₂ ·h 1000000							
L2	28.0	14840	12700	11300	10790	9340	7590	60	18	1800	3800	500	5C	21000
	30.7	12300	12300	12300	12300	9560	7770	60	18	1800	3800	500	5C	21000
	32.6	14840	12700	11300	10790	9340	7590	60	18	1800	3800	500	5C	21000
	38.6	11000	9600	8700	8700	8240	7490	46	18	1800	3800	400	5B	21000
	46.7	11000	9600	8700	8700	8240	7490	39	18	1800	3800	400	5B	21000
L3	51.3	15680	14890	14890	13510	9560	7770	30	11	2000	4000	330	4H	21000
	60.5	15680	14890	14890	13510	9560	7770	30	11	2000	4000	330	4H	21000
	74.1	15680	14890	14890	13510	9560	7770	30	11	2000	4000	260	4F	21000
	80.6	14840	12700	11300	10790	9340	7590	30	11	2000	4000	260	4F	21000
	93.0	15680	14890	14890	13510	9560	7770	30	11	2000	4000	260	4F	21000
	100	15680	14890	14890	13510	9560	7770	30	11	2000	4000	260	4F	21000
	113	14840	12700	11300	10790	9340	7590	26	11	2000	4000	160	4D	21000
	126	15680	14890	14890	13510	9560	7770	26	11	2000	4000	160	4D	21000
	139	14840	12700	11300	10790	9340	7590	22	11	2000	4000	160	4D	21000
	146	15000	14010	14010	13510	9560	7770	23	11	2000	4000	160	4D	21000
	162	14840	12700	11300	10790	9340	7590	19.4	11	2000	4000	100	4B	21000
	177	12300	12300	12300	12300	9560	7770	15.9	11	2000	4000	100	4B	21000
	202	14840	12700	11300	10790	9340	7590	15.9	11	2000	4000	100	4B	21000
	221	15000	13800	12900	12500	9560	7770	15.6	11	2000	4000	100	4B	21000
	239	11000	9600	8700	8700	8240	7490	10.5	11	2000	4000	50	4A	21000
	284	14330	12700	11300	10790	9340	7590	11.3	11	2000	4000	50	4A	21000
336	11000	9600	8700	8700	8240	7490	7.5	11	2000	4000	50	4A	21000	
L4	349	15680	14890	14890	13510	9560	7770	10.2	7.5	2000	4000	50	4A	21000
	406	14840	12700	11300	10790	9340	7590	8.2	7.5	2000	4000	50	4A	21000
	465	14840	12700	11300	10790	9340	7590	7.1	7.5	2000	4000	50	4A	21000
	509	15000	14010	14010	13510	9560	7770	7.0	7.5	2000	4000	50	4A	21000
	579	15680	14890	14890	13510	9560	7770	6.1	7.5	2000	4000	50	4A	21000
	654	14840	12700	11300	10790	9340	7590	5.1	7.5	2000	4000	50	4A	21000
	722	15680	14890	14890	13510	9560	7770	4.9	7.5	2000	4000	50	4A	21000
	801	14840	12700	11300	10790	9340	7590	4.1	7.5	2000	4000	50	4A	21000
	906	15680	14890	14890	13510	9560	7770	3.9	7.5	2000	4000	50	4A	21000
	999	14840	12700	11300	10790	9340	7590	3.3	7.5	2000	4000	50	4A	21000
	1157	14840	12700	11300	10790	9340	7590	2.9	7.5	2000	4000	50	4A	21000
	1274	12300	12300	12300	12300	9560	7770	2.3	7.5	2000	4000	50	4A	21000
	1408	15680	14890	14890	13510	9560	7770	2.5	7.5	2000	4000	50	4A	21000
	1591	15000	13800	12900	12500	9560	7770	2.2	7.5	2000	4000	50	4A	21000
	1767	15680	14890	14890	13510	9560	7770	2.0	7.5	2000	4000	50	4A	21000
	2041	14330	12700	11300	10790	9340	7590	1.6	7.5	2000	4000	50	4A	21000
2423	11000	9600	8700	8700	8240	7490	1.1	7.5	2000	4000	50	4A	21000	

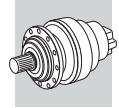
309 L



324

23240 Nm

	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h 10000	n ₂ ·h 25000	n ₂ ·h 50000	n ₂ ·h 100000	n ₂ ·h 500000	n ₂ ·h 1000000							
L1	3.43	13000	13000	13000	13000	12310	10920	150	25	1500	2000	3200	6L	27900
	4.09	23240	22070	22070	20260	13120	10660	150	25	1500	2000	3200	6L	29000
	5.25	21980	19060	16940	16190	12810	10410	150	25	1500	2000	3200	6L	29000
	6.23	17000	14400	13000	13000	12370	10280	150	25	1500	2000	3200	6L	29000
L2	12.3	13000	13000	13000	13000	10290	8360	60	18	1800	3800	1000	5K	27900
	14.7	17730	17730	17730	17730	11650	9460	60	18	1800	3800	1000	5K	29000
	17.4	21620	21260	21260	18580	11460	9310	60	18	1800	3800	1000	5K	29000
	21.8	18510	17500	17500	17140	11160	9070	60	18	1800	3800	1000	5K	29000
	25.4	14670	14300	14300	14300	11060	8990	60	18	1800	3800	800	5G	29000
	28.0	21980	19060	16940	16190	12810	10410	60	18	1800	3800	800	5G	29000
	32.6	18300	18100	16940	16190	12810	10410	60	18	1800	3800	630	5E	29000
	38.6	17000	14400	13000	13000	12370	10280	60	18	1800	3800	500	5C	29000
	46.7	17000	14400	13000	13000	12370	10280	58	18	1800	3800	400	5B	29000



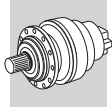
309 L		324	23240 Nm
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		i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
			n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h							
		1:	10000	25000	50000	100000	500000	1000000							
L3		51.3	17730	17730	17730	17730	11650	9460	30	11	2000	4000	400	4K	29000
		60.5	21620	21260	21260	18580	11460	9310	30	11	2000	4000	400	4K	29000
		74.1	21620	21260	21260	18580	11460	9310	30	11	2000	4000	260	4F	29000
		80.6	21980	19060	16940	16190	12810	10410	30	11	2000	4000	260	4F	29000
		93.0	18510	17500	17500	17140	11160	9070	30	11	2000	4000	260	4F	29000
		100	21620	21260	21260	18580	11460	9310	30	11	2000	4000	260	4F	29000
		113	18300	18100	16940	16190	12810	10410	30	11	2000	4000	260	4F	29000
		126	18510	17500	17500	17140	11160	9070	30	11	2000	4000	260	4F	29000
		139	18300	18100	16940	16190	12810	10410	30	11	2000	4000	160	4D	29000
		162	21980	19060	16940	16190	12810	10410	29	11	2000	4000	160	4D	29000
		183	14670	14300	14300	14300	11060	8990	18.2	11	2000	4000	100	4B	29000
		202	21980	19060	16940	16190	12810	10410	23.9	11	2000	4000	100	4B	29000
		223	17000	14400	13000	13000	12370	10280	17.5	11	2000	4000	100	4B	29000
		239	17000	14400	13000	13000	12370	10280	16.3	11	2000	4000	100	4B	29000
		284	15800	15800	15800	15000	12810	10410	12.8	11	2000	4000	100	4B	29000
		336	17000	14400	13000	13000	12370	10280	11.6	11	2000	4000	100	4B	29000
	L4		349	21620	21260	21260	18580	11460	9310	14.4	7.5	2000	4000	100	4B
		406	21980	19060	16940	16190	12810	10410	12.3	7.5	2000	4000	50	4A	29000
		465	21980	19060	16940	16190	12810	10410	10.7	7.5	2000	4000	50	4A	29000
		509	14670	14300	14300	14300	11060	8990	6.7	7.5	2000	4000	50	4A	29000
		579	21620	21260	21260	18580	11460	9310	8.7	7.5	2000	4000	50	4A	29000
		654	18300	18100	16940	16190	12810	10410	6.6	7.5	2000	4000	50	4A	29000
		722	21620	21260	21260	18580	11460	9310	7.0	7.5	2000	4000	50	4A	29000
		801	18300	18100	16940	16190	12810	10410	5.4	7.5	2000	4000	50	4A	29000
		906	18510	17500	17500	17140	11160	9070	4.7	7.5	2000	4000	50	4A	29000
		999	18300	18100	16940	16190	12810	10410	4.3	7.5	2000	4000	50	4A	29000
		1149	17000	14400	13000	13000	12370	10280	3.5	7.5	2000	4000	50	4A	29000
		1286	17000	14400	13000	13000	12370	10280	3.1	7.5	2000	4000	50	4A	29000
		1380	17000	14400	13000	13000	12370	10280	2.9	7.5	2000	4000	50	4A	29000
		1605	17000	14400	13000	13000	12370	10280	2.5	7.5	2000	4000	50	4A	29000
		1723	17000	14400	13000	13000	12370	10280	2.3	7.5	2000	4000	50	4A	29000
		2003	17000	14400	13000	13000	12370	10280	1.9	7.5	2000	4000	50	4A	29000
		2423	17000	14400	13000	13000	12370	10280	1.7	7.5	2000	4000	50	4A	29000



310 L		336	34120 Nm
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		i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
			n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h							
		1:	10000	25000	50000	100000	500000	1000000							
L1		4.09	34120	32340	26580	21590	13320	10820	175	35	1500	1800	—	—	47600
		5.25	30600	26240	23350	21100	13020	10570	175	35	1500	1800	—	—	47600
		6.23	26000	21200	18420	18230	12860	10440	175	35	1500	1800	—	—	47600
L2		14.7	34120	32340	26580	21590	13320	10820	75	22	1600	3000	2100	6G	47600
		17.4	34120	32340	26580	21590	13320	10820	75	22	1600	3000	2100	6G	47600
		21.8	34120	31930	26580	21590	13320	10820	75	22	1600	3000	1500	6E	47600
		25.4	27110	25910	25910	21590	13320	10820	75	22	1600	3000	1500	6E	47600
		28.0	30600	26240	23350	21100	13020	10570	75	22	1600	3000	1500	6E	47600
		30.7	21800	21800	21800	20150	13320	10820	75	22	1600	3000	1050	6C	47600
		32.6	30600	26240	23350	21100	13020	10570	75	22	1600	3000	1050	6C	47600
		38.6	26000	21200	18420	18230	12860	10440	75	22	1600	3000	850	6B	47600
	46.7	26000	21200	18420	18230	12860	10440	75	22	1600	3000	850	6B	47600	
L3		53.0	34120	32340	26580	21590	13320	10820	40	18	1800	3800	630	5E	47600
		62.6	34120	32340	26580	21590	13320	10820	40	18	1800	3800	630	5E	47600
		73.9	34120	32340	26580	21590	13320	10820	40	18	1800	3800	500	5C	47600
		80.3	30600	26240	23350	21100	13020	10570	40	18	1800	3800	400	5B	47600
		91.3	34120	32340	26580	21590	13320	10820	40	18	1800	3800	400	5B	47600
		101	30600	26240	23350	21100	13020	10570	40	18	1800	3800	400	5B	47600
	110	34120	32340	26580	21590	13320	10820	40	18	1800	3800	400	5B	47600	





310 L



336

34120 Nm

	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n _{2-h} 10000	n _{2-h} 25000	n _{2-h} 50000	n _{2-h} 100000	n _{2-h} 500000	n _{2-h} 1000000							
L3	119	30600	26240	23350	21100	13020	10570	40	18	1800	3800	400	5B	47600
	130	34120	32340	26580	21590	13320	10820	40	18	1800	3800	400	5B	47600
	142	30600	26240	23350	21100	13020	10570	40	18	1800	3800	400	5B	47600
	164	34120	31930	26580	21590	13320	10820	38	18	1800	3800	400	5B	47600
	177	26000	21200	18420	18230	12860	10440	30	18	1800	3800	400	5B	47600
	202	30600	26240	23350	21100	13020	10570	30	18	1800	3800	400	5B	47600
	230	21800	21800	21800	20150	13320	10820	19.6	18	1800	3800	400	5B	47600
	249	26000	21200	18420	18230	12860	10440	22	18	1800	3800	400	5B	47600
	295	28000	25880	23350	21100	13020	10570	19.6	18	1800	3800	400	5B	47600
	350	26000	21200	18420	18230	12860	10440	15.3	18	1800	3800	400	5B	47600
L4	392	26000	21200	18420	18230	12860	10440	15.7	11	2000	4000	100	4B	47600
	451	34120	32340	26580	21590	13320	10820	15.7	11	2000	4000	100	4B	47600
	507	30600	26240	23350	21100	13020	10570	13.8	11	2000	4000	100	4B	47600
	556	34120	32340	26580	21590	13320	10820	11.5	11	2000	4000	50	4A	47600
	637	30600	26240	23350	21100	13020	10570	11.0	11	2000	4000	50	4A	47600
	726	30600	26240	23350	21100	13020	10570	9.6	11	2000	4000	50	4A	47600
	818	30600	26240	23350	21100	13020	10570	8.5	11	2000	4000	50	4A	47600
	939	34120	32340	26580	21590	13320	10820	6.8	11	2000	4000	50	4A	47600
	1021	30600	26240	23350	21100	13020	10570	6.8	11	2000	4000	50	4A	47600
	1164	30600	26240	23350	21100	13020	10570	6.0	11	2000	4000	50	4A	47600
	1259	28000	25880	23350	21100	13020	10570	5.3	11	2000	4000	50	4A	47600
	1438	26000	21200	18420	18230	12860	10440	4.3	11	2000	4000	50	4A	47600
	1672	26000	21200	18420	18230	12860	10440	3.7	11	2000	4000	50	4A	47600
	1794	26000	21200	18420	18230	12860	10440	3.4	11	2000	4000	50	4A	47600
	2022	26000	21200	18420	18230	12860	10440	3.0	11	2000	4000	50	4A	47600
2523	26000	21200	18420	18230	12860	10440	2.4	11	2000	4000	50	4A	47600	



C

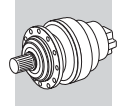
311 L



348



48330 Nm

	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n _{2-h} 10000	n _{2-h} 25000	n _{2-h} 50000	n _{2-h} 100000	n _{2-h} 500000	n _{2-h} 1000000							
L1	4.09	48330	45840	38290	31100	19190	15590	200	35	1500	1800	—	—	58300
	5.25	45210	39550	35220	32000	19700	16000	200	35	1500	1800	—	—	58300
	6.23	34000	29500	27000	27000	18600	15100	200	35	1500	1800	—	—	58300
L2	14.0	35700	35700	35700	31100	19190	15590	115	26	1500	2500	3200	6L	58300
	16.7	48330	45840	38290	31100	19190	15590	115	26	1500	2500	3200	6L	58300
	18.0	43000	39550	35220	32000	19700	16000	115	26	1500	2500	2600	6K	58300
	21.5	46920	43390	38290	31100	19190	15590	115	26	1500	2500	2100	6G	58300
	25.5	35200	34500	34500	31100	19190	15590	115	26	1500	2500	1500	6E	58300
	27.6	45210	39550	35220	32000	19700	16000	115	26	1500	2500	2100	6G	58300
	32.7	43000	39550	35220	32000	19700	16000	115	26	1500	2500	1500	6E	58300
	38.8	34000	29500	27000	27000	18600	15100	115	26	1500	2500	850	6B	58300
L3	50.5	35700	35700	35700	31100	19190	15590	60	18	1800	3800	800	5G	58300
	60.2	48330	45840	38290	31100	19190	15590	60	18	1800	3800	800	5G	58300
	71.1	48330	45840	38290	31100	19190	15590	60	18	1800	3800	800	5G	58300
	77.3	46920	43390	38290	31100	19190	15590	60	18	1800	3800	800	5G	58300
	89.3	48330	45840	38290	31100	19190	15590	60	18	1800	3800	500	5C	58300
	104	48330	45840	38290	31100	19190	15590	60	18	1800	3800	500	5C	58300
	115	46920	43390	38290	31100	19190	15590	60	18	1800	3800	400	5B	58300
	126	48330	45840	38290	31100	19190	15590	60	18	1800	3800	400	5B	58300
	133	46920	43390	38290	31100	19190	15590	60	18	1800	3800	400	5B	58300
	147	45210	39550	35220	32000	19700	16000	59	18	1800	3800	400	5B	58300
	161	46920	43390	38290	31100	19190	15590	56	18	1800	3800	400	5B	58300
	171	45210	39550	35220	32000	19700	16000	52	18	1800	3800	400	5B	58300
	191	35200	34500	34500	31100	19190	15590	38	18	1800	3800	400	5B	58300
	203	43000	39550	35220	32000	19700	16000	44	18	1800	3800	400	5B	58300
	245	43000	39550	35220	32000	19700	16000	36	18	1800	3800	400	5B	58300





311 L  348

48330 Nm

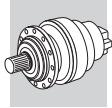
	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h							
	1:	10000	25000	50000	100000	500000	1000000							
L3	291	34000	29500	27000	27000	18600	15100	24	18	1800	3800	400	5B	58300
L4	348	48330	45840	38290	31100	19190	15590	30	11	2000	4000	160	4D	58300
	410	48330	45840	38290	31100	19190	15590	26	11	2000	4000	160	4D	58300
	512	48330	45840	38290	31100	19190	15590	21	11	2000	4000	100	4B	58300
	568	46920	43390	38290	31100	19190	15590	18.4	11	2000	4000	100	4B	58300
	627	45210	39550	35220	32000	19700	16000	16.2	11	2000	4000	100	4B	58300
	724	48330	45840	38290	31100	19190	15590	14.7	11	2000	4000	100	4B	58300
	825	46920	43390	38290	31100	19190	15590	12.6	11	2000	4000	100	4B	58300
	904	48330	45840	38290	31100	19190	15590	11.8	11	2000	4000	50	4A	58300
	986	45210	39550	35220	32000	19700	16000	10.3	11	2000	4000	50	4A	58300
	1058	45210	39550	35220	32000	19700	16000	9.6	11	2000	4000	50	4A	58300
	1230	45210	39550	35220	32000	19700	16000	8.3	11	2000	4000	50	4A	58300
	1415	43000	39550	35220	32000	19700	16000	7.2	11	2000	4000	50	4A	58300
	1680	34000	29500	27000	27000	18600	15100	4.8	11	2000	4000	50	4A	58300
	1766	43000	39550	35220	32000	19700	16000	5.8	11	2000	4000	50	4A	58300
2096	34000	29500	27000	27000	18600	15100	3.8	11	2000	4000	50	4A	58300	

313 L  360


57970 Nm

	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h							
	1:	10000	25000	50000	100000	500000	1000000							
L1	4.14	55410	55000	55000	46000	28400	23000	250	45	900	1200	—	—	105000
	5.40	57970	49730	45000	45000	27800	22600	250	45	900	1200	—	—	105000
	6.50	49000	42400	39000	39000	27800	22500	250	45	900	1200	—	—	105000
L2	14.2	52000	52000	52000	46000	28400	23000	150	30	1500	2000	3200	6L	105000
	16.9	55410	55000	54000	45210	27900	22660	150	30	1500	2000	3200	6L	105000
	18.5	57970	49730	45000	45000	27800	22600	150	30	1500	2000	3200	6L	105000
	21.8	55410	55000	55000	45400	28000	22800	150	30	1500	2000	2600	6K	105000
	25.8	53000	52000	52000	45210	27900	22660	150	30	1500	2000	2100	6G	105000
	28.4	57970	49730	45000	45000	27800	22600	150	30	1500	2000	2100	6G	105000
	33.6	57970	49730	45000	45000	27800	22600	150	30	1500	2000	2100	6G	105000
	40.5	49000	42400	39000	39000	27700	22500	150	30	1500	2000	1500	6E	105000
L3	51.1	52000	52000	49140	45210	27900	22660	60	18	1800	3800	1000	5K	105000
	61.0	55410	55000	52510	45210	27900	22660	60	18	1800	3800	1000	5K	105000
	72.0	55410	55000	52510	45210	27900	22660	60	18	1800	3800	1000	5K	105000
	78.3	55410	55000	55000	45400	28000	22800	60	18	1800	3800	1000	5K	105000
	92.4	55410	55000	55000	45400	28000	22800	60	18	1800	3800	800	5G	105000
	110	53000	52000	52000	45210	27900	22660	60	18	1800	3800	500	5C	105000
	120	57970	49730	45000	45000	27800	22600	60	18	1800	3800	500	5C	105000
	135	55410	55000	55000	45400	28000	22800	60	18	1800	3800	500	5C	105000
	143	57970	49730	45000	45000	27800	22600	60	18	1800	3800	400	5B	105000
	151	57970	49730	45000	45000	27800	22600	60	18	1800	3800	400	5B	105000
	163	55410	55000	52510	45210	27900	22660	60	18	1800	3800	400	5B	105000
	176	57970	49730	45000	45000	27800	22600	60	18	1800	3800	400	5B	105000
	182	49000	42400	39000	39000	27700	22500	56	18	1800	3800	400	5B	105000
	194	53000	52000	52000	45210	27900	22660	57	18	1800	3800	400	5B	105000
	209	57970	49730	45000	45000	27800	22600	54	18	1800	3800	400	5B	105000
	252	57970	49730	45000	45000	27800	22600	45	18	1800	3800	400	5B	105000
	304	49000	42400	39000	39000	27700	22500	33	18	1800	3800	400	5B	105000
L4	352	55410	52510	52510	45210	27900	22660	30	11	2000	4000	160	4D	105000
	394	55410	55000	55000	45400	28000	22800	30	11	2000	4000	160	4D	105000
	452	55410	55000	52510	45210	27900	22660	29	11	2000	4000	160	4D	105000
	514	57970	49730	45000	45000	27800	22600	25	11	2000	4000	160	4D	105000
	564	55410	55000	52510	45210	27900	22660	23	11	2000	4000	160	4D	105000
	633	52800	52000	52000	45210	27900	22660	19.7	11	2000	4000	100	4B	105000
	695	57970	49730	45000	45000	27800	22600	18.7	11	2000	4000	100	4B	105000








313 L

 360



57970 Nm

	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n _{2-h} 10000	n _{2-h} 25000	n _{2-h} 50000	n _{2-h} 100000	n _{2-h} 500000	n _{2-h} 1000000							
L4	790	52800	52000	52000	45210	27900	22660	15.8	11	2000	4000	100	4B	105000
	889	57970	49730	45000	45000	27800	22600	14.6	11	2000	4000	100	4B	105000
	1014	57970	49730	45000	45000	27800	22600	12.8	11	2000	4000	100	4B	105000
	1117	52800	52000	52000	45210	27900	22660	11.2	11	2000	4000	50	4A	105000
	1266	57970	49730	45000	45000	27800	22600	10.3	11	2000	4000	50	4A	105000
	1394	52800	52000	52000	45210	27900	22660	9.0	11	2000	4000	50	4A	105000
	1502	57970	49730	45000	45000	27800	22600	8.7	11	2000	4000	50	4A	105000
	1817	57970	49730	45000	45000	27800	22600	7.2	11	2000	4000	50	4A	105000
	2187	49000	42400	39000	39000	27700	22500	5.3	11	2000	4000	50	4A	105000

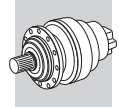
314 L

 372

84000 Nm

	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n _{2-h} 10000	n _{2-h} 25000	n _{2-h} 50000	n _{2-h} 100000	n _{2-h} 500000	n _{2-h} 1000000							
L1	4.25	84000	80000	77600	68000	42400	34240	260	55	450	800	—	—	115000
	5.33	79200	69600	65464	62400	39200	31760	260	55	450	800	—	—	115000
	6.20	66792	57416	52000	52000	32800	26640	260	55	450	800	—	—	115000
L2	17.4	84000	80000	77600	63200	38960	31680	175	40	1500	1800	—	—	115000
	22.3	84000	80000	77600	66400	40800	33360	175	40	1500	1800	—	—	115000
	26.5	84000	80000	77600	62400	38720	31520	175	40	1500	1800	—	—	115000
	28.0	79200	69600	65464	62400	39040	31760	175	40	1500	1800	—	—	115000
	33.2	79200	69600	65464	62400	39040	31760	175	40	1500	1800	—	—	115000
	38.6	66792	57416	52000	52000	32800	26640	175	40	1500	1800	—	—	115000
L3	62.6	84000	80000	77600	63200	38960	31680	75	25	1600	3000	2100	6G	115000
	73.9	84000	80000	77600	63200	38960	31680	75	25	1600	3000	2100	6G	115000
	92.7	84000	80000	77600	63200	38960	31680	75	25	1600	3000	1500	6E	115000
	108	84000	80000	77600	63200	38960	31680	75	25	1600	3000	1500	6E	115000
	138	84000	80000	77600	66400	40800	33360	75	25	1600	3000	1500	6E	115000
	164	84000	80000	77600	62400	38720	31520	75	25	1600	3000	1050	6C	115000
	174	79200	69600	65464	62400	39040	31760	75	25	1600	3000	1050	6C	115000
	206	79200	69600	65464	62400	39040	31760	71	25	1600	3000	850	6B	115000
	240	66792	57416	52000	52000	32800	26640	49	25	1600	3000	850	6B	115000
	L4	314	84000	80000	77600	63200	38960	31680	40	15	1800	3800	630	5E
388		84000	80000	77600	63200	38960	31680	40	15	1800	3800	630	5E	115000
458		84000	80000	77600	63200	38960	31680	39	15	1800	3800	500	5C	115000
495		84000	80000	77600	63200	38960	31680	36	15	1800	3800	400	5B	115000
554		84000	80000	77600	63200	38960	31680	32	15	1800	3800	400	5B	115000
588		84000	80000	77600	66400	40800	33360	30	15	1800	3800	400	5B	115000
668		84000	80000	77600	63200	38960	31680	27	15	1800	3800	400	5B	115000
738		84000	80000	77600	66400	40800	33360	24	15	1800	3800	400	5B	115000
858		84000	80000	77600	66400	40800	33360	21	15	1800	3800	400	5B	115000
926		79200	69600	65464	62400	39040	31760	18.2	15	1800	3800	400	5B	115000
1038		84000	80000	77600	66400	40800	33360	17.2	15	1800	3800	400	5B	115000
1099		79200	69600	65464	62400	39040	31760	15.3	15	1800	3800	400	5B	115000
1277		79200	69600	65464	62400	39040	31760	13.2	15	1800	3800	400	5B	115000
1485		66792	57416	52000	52000	32800	26640	9.2	15	1800	3800	400	5B	115000
1796	66792	57416	52000	52000	32800	26640	7.6	15	1800	3800	400	5B	115000	

C



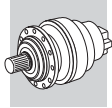
315 L		384	105000 Nm
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		i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
			n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h							
		1:	10000	25000	50000	100000	500000	1000000							
L1		4.25	105000	100000	97000	85000	53000	42800	260	60	500	800	—	—	135000
		5.33	99000	87000	81830	78000	49000	39700	260	60	500	800	—	—	135000
		6.20	83490	71770	65000	65000	41000	33300	260	60	500	800	—	—	135000
L2		17.4	105000	100000	97000	79000	48700	39600	200	45	1500	1800	—	—	135000
		22.3	105000	100000	97000	83000	51000	41700	200	45	1500	1800	—	—	135000
		26.5	105000	100000	97000	78000	48400	39400	200	45	1500	1800	—	—	135000
		28.0	99000	87000	81830	78000	48800	39700	200	45	1500	1800	—	—	135000
		33.2	99000	87000	81830	78000	48800	39700	200	45	1500	1800	—	—	135000
		38.6	83490	71770	65000	65000	41000	33300	200	45	1500	1800	—	—	135000
L3		59.6	105000	100000	97000	79000	48700	39600	115	30	1500	2500	2600	6K	135000
		71.1	105000	100000	97000	79000	48700	39600	115	30	1500	2500	2100	6G	135000
		91.3	105000	100000	97000	79000	48700	39600	115	30	1500	2500	1500	6E	135000
		108	105000	100000	97000	79000	48700	39600	115	30	1500	2500	1100	6C	135000
		139	105000	100000	97000	83000	51000	41700	115	30	1500	2500	850	6B	135000
		165	105000	100000	97000	78000	48400	39400	110	30	1500	2500	850	6B	135000
		174	99000	87000	81830	78000	48800	39700	98	30	1500	2500	850	6B	135000
		207	99000	87000	81830	78000	48800	39700	82	30	1500	2500	850	6B	135000
		241	83490	71770	65000	65000	41000	33300	57	30	1500	2500	850	6B	135000
	L4		302	105000	100000	97000	79000	48700	39600	60	18	1800	3800	400	5B
		370	105000	100000	97000	79000	48700	39600	60	18	1800	3800	400	5B	135000
		441	105000	100000	97000	79000	48700	39600	51	18	1800	3800	400	5B	135000
		487	105000	100000	97000	79000	48700	39600	46	18	1800	3800	400	5B	135000
		533	105000	100000	97000	79000	48700	39600	42	18	1800	3800	400	5B	135000
		591	105000	100000	97000	83000	51000	41700	38	18	1800	3800	400	5B	135000
		672	105000	100000	97000	79000	48700	39600	33	18	1800	3800	400	5B	135000
		741	105000	100000	97000	83000	51000	41700	30	18	1800	3800	400	5B	135000
		862	105000	100000	97000	83000	51000	41700	26	18	1800	3800	400	5B	135000
		930	99000	87000	81830	78000	48800	39700	23	18	1800	3800	400	5B	135000
		1043	105000	100000	97000	83000	51000	41700	21	18	1800	3800	400	5B	135000
		1104	99000	87000	81830	78000	48800	39700	19.1	18	1800	3800	400	5B	135000
		1284	99000	87000	81830	78000	48800	39700	16.4	18	1800	3800	400	5B	135000
		1492	83490	71770	65000	65000	41000	33300	11.4	18	1800	3800	400	5B	135000
	1805	83490	71770	65000	65000	41000	33300	9.4	18	1800	3800	400	5B	135000	



316 L		396	138820 Nm
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		i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
			n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h							
		1:	10000	25000	50000	100000	500000	1000000							
L1		4.25	138820	130420	113000	100000	66000	54000	280	68	350	500	—	—	192000
		17.4	138820	126000	103000	83700	51600	42000	200	50	1500	1800	—	—	192000
L2		22.3	138820	126000	107000	85300	53300	42700	200	50	1500	1800	—	—	192000
		26.5	124000	115000	98650	80130	49440	40500	200	50	1500	1800	—	—	192000
		59.6	138820	126000	103000	83700	51600	42000	115	35	1500	2500	3200	6L	192000
L3		71.1	138820	126000	103000	83700	51600	42000	115	35	1500	2500	2600	6K	192000
		76.5	138820	126000	107000	85300	53300	42700	115	35	1500	2500	2600	6K	192000
		91.3	138820	126000	103000	83700	51600	42000	115	35	1500	2500	2100	6G	192000
		108	138820	125920	103000	83700	51600	42000	115	35	1500	2500	2100	6G	192000
		117	138820	126000	107000	85300	53300	42700	115	35	1500	2500	1500	6E	192000
		139	138820	122980	103000	83700	51600	42000	115	35	1500	2500	1500	6E	192000
		165	124000	115000	98650	80130	49440	40500	115	35	1500	2500	1100	6C	192000
	L4		215	138820	126000	103000	83700	51600	42000	60	18	1800	3800	800	5G
		256	138820	126000	103000	83700	51600	42000	60	18	1800	3800	800	5G	192000
		302	138820	126000	103000	83700	51600	42000	60	18	1800	3800	630	5E	192000
		329	138820	126000	103000	83700	51600	42000	60	18	1800	3800	630	5E	192000



316 L



396

138820 Nm

	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h							
	1:	10000	25000	50000	100000	500000	1000000	[kW]	[kW]	[min ⁻¹]	[min ⁻¹]	[Nm]		[Nm]
L4	370	138820	126000	103000	83700	51600	42000	60	18	1800	3800	500	5C	192000
	441	138820	126000	103000	83700	51600	42000	60	18	1800	3800	400	5B	192000
	487	138820	126000	103000	83700	51600	42000	59	18	1800	3800	400	5B	192000
	533	138820	126000	103000	83700	51600	42000	54	18	1800	3800	400	5B	192000
	566	138820	126000	103000	83700	51600	42000	51	18	1800	3800	400	5B	192000
	591	138820	122980	103000	83700	51600	42000	48	18	1800	3800	400	5B	192000
	625	138820	126000	107000	85300	53300	42700	46	18	1800	3800	400	5B	192000
	685	138820	126000	103000	83700	51600	42000	42	18	1800	3800	400	5B	192000
	726	138820	126000	107000	85300	53300	42700	40	18	1800	3800	400	5B	192000
	741	138820	122980	103000	83700	51600	42000	38	18	1800	3800	400	5B	192000
	812	138820	125920	103000	83700	51600	42000	35	18	1800	3800	400	5B	192000
	862	138820	122980	103000	83700	51600	42000	33	18	1800	3800	400	5B	192000
	1043	138820	122980	103000	83700	51600	42000	27	18	1800	3800	400	5B	192000
	1237	124000	115000	98650	80130	49440	40500	21	18	1800	3800	400	5B	192000

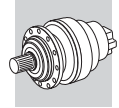
317 L



406



208110 Nm

	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h							
	1:	10000	25000	50000	100000	500000	1000000	[kW]	[kW]	[min ⁻¹]	[min ⁻¹]	[Nm]		[Nm]
L1	4.09	208110	196530	166000	135000	83000	67240	300	85	200	300	—	—	393000
	5.25	187860	172400	154050	131030	80850	65670	300	85	200	300	—	—	393000
	6.23	156150	134380	119950	118770	79850	64860	300	85	200	300	—	—	393000
L2	16.9	207080	180000	147000	120000	74000	60000	250	55	900	1200	—	—	393000
	22.1	184310	177000	144000	117000	72000	59000	250	55	900	1200	—	—	393000
	26.6	155000	155000	144000	117000	72000	59000	250	55	900	1200	—	—	393000
	28.4	187860	172400	154050	131030	80850	65670	250	55	900	1200	—	—	393000
	34.1	170000	163960	154050	131030	80850	65670	250	55	900	1200	—	—	393000
	40.5	156150	134380	119950	118770	79850	64860	250	55	900	1200	—	—	393000
L3	58.1	207080	180000	147000	120000	74000	60000	150	35	1500	2000	3200	6L	393000
	69.3	207080	178190	144740	117560	72540	58920	150	35	1500	2000	3200	6L	393000
	89.0	207080	179000	145000	118000	73000	59000	150	35	1500	2000	2600	6K	393000
	106	207080	178190	144740	117560	72540	58920	150	35	1500	2000	2100	6G	393000
	116	184310	177000	144000	117000	72000	59000	150	35	1500	2000	1500	6E	393000
	138	184310	177000	144000	117000	72000	59000	150	35	1500	2000	1500	6E	393000
	166	155000	155000	144000	117000	72000	59000	150	35	1500	2000	1100	6C	393000
	179	170000	163960	154050	131030	80850	65670	150	35	1500	2000	1100	6C	393000
	213	170000	163960	154050	131030	80850	65670	138	35	1500	2000	850	6B	393000
	252	156150	134380	119950	118770	79850	64860	99	35	1500	2000	850	6B	393000
L4	310	207080	178190	144740	117560	72540	58920	60	18	1800	3800	630	5E	393000
	360	207080	178190	144740	117560	72540	58920	60	18	1800	3800	500	5C	393000
	449	207080	178190	144740	117560	72540	58920	60	18	1800	3800	500	5C	393000
	493	184310	177000	144000	117000	72000	59000	60	18	1800	3800	400	5B	393000
	552	207080	179000	145000	118000	73000	59000	60	18	1800	3800	400	5B	393000
	619	184310	177000	144000	117000	72000	59000	60	18	1800	3800	400	5B	393000
	719	184310	177000	144000	117000	72000	59000	53	18	1800	3800	400	5B	393000
	792	207080	178190	144740	117560	72540	58920	48	18	1800	3800	400	5B	393000
	904	170000	163960	154050	131030	80850	65670	40	18	1800	3800	400	5B	393000
	1032	184310	177000	144000	117000	72000	59000	37	18	1800	3800	400	5B	393000
	1134	170000	163960	154050	131030	80850	65670	32	18	1800	3800	400	5B	393000
	1318	170000	163960	154050	131030	80850	65670	27	18	1800	3800	400	5B	393000
	1595	170000	163960	154050	131030	80850	65670	23	18	1800	3800	400	5B	393000
	1893	156150	134380	119950	118770	79850	64860	16.3	18	1800	3800	400	5B	393000



318 L  416



280580 Nm

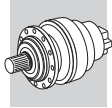
	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}	
		n ₂ ·h 10000	n ₂ ·h 25000	n ₂ ·h 50000	n ₂ ·h 100000	n ₂ ·h 500000	n ₂ ·h 1000000								[kW]
L1	4.40	280580	262990	218310	177320	109410	88870	340	95	200	300	—	—	500000	
	L2	18.7	280580	262990	218310	177320	109410	88870	260	63	500	800	—	—	500000
		23.5	280580	262990	218310	177320	109410	88870	260	63	500	800	—	—	500000
L3	27.3	280580	262990	218310	177320	109410	88870	260	63	500	800	—	—	500000	
	76.5	280580	262990	218310	177320	109410	88870	200	40	1500	1800	—	—	500000	
	98.2	280580	262990	218310	177320	109410	88870	200	40	1500	1800	3200	6L	500000	
	117	280580	262990	218310	177320	109410	88870	200	40	1500	1800	3200	6L	500000	
	123	280580	262990	218310	177320	109410	88870	200	40	1500	1800	2600	6K	500000	
L4	146	280580	262990	218310	177320	109410	88870	200	40	1500	1800	2100	6G	500000	
	170	280580	262990	218310	177320	109410	88870	200	40	1500	1800	2100	6G	500000	
	262	280580	262990	218310	177320	109410	88870	115	22	1500	2500	1500	6E	500000	
	313	280580	262990	218310	177320	109410	88870	115	22	1500	2500	1100	6C	500000	
	337	280580	262990	218310	177320	109410	88870	115	22	1500	2500	1100	6C	500000	
	402	280580	262990	218310	177320	109410	88870	110	22	1500	2500	850	6B	500000	
	422	280580	262990	218310	177320	109410	88870	105	22	1500	2500	850	6B	500000	
	477	280580	262990	218310	177320	109410	88870	93	22	1500	2500	850	6B	500000	
	515	280580	262990	218310	177320	109410	88870	86	22	1500	2500	850	6B	500000	
	612	280580	262990	218310	177320	109410	88870	73	22	1500	2500	850	6B	500000	
L5	647	280580	262990	218310	177320	109410	88870	69	22	1500	2500	850	6B	500000	
	726	280580	262990	218310	177320	109410	88870	61	22	1500	2500	850	6B	500000	
	768	280580	262990	218310	177320	109410	88870	58	22	1500	2500	850	6B	500000	
	911	280580	262990	218310	177320	109410	88870	49	22	1500	2500	850	6B	500000	
	1059	280580	262990	218310	177320	109410	88870	41	22	1500	2500	850	6B	500000	



319 L  426

476410 Nm

	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h 10000	n ₂ ·h 25000	n ₂ ·h 50000	n ₂ ·h 100000	n ₂ ·h 500000	n ₂ ·h 1000000							
L1	4.88	476410	383900	311830	253280	156280	126940	380	115	200	300	—	—	680000
	5.77	367580	317550	284270	249240	153790	124910	380	115	200	300	—	—	680000
L2	20.7	403720	348000	308000	250000	154000	125000	260	70	500	800	—	—	680000
	24.5	367580	317550	280280	248000	153000	124000	260	70	500	800	—	—	680000
	26.0	389910	348000	286000	233000	144000	117000	260	70	500	800	—	—	680000
	30.2	308140	296000	241000	196000	121000	98000	260	70	500	800	—	—	680000
	35.8	359680	317550	267610	220000	136000	110000	260	70	500	800	—	—	680000
L3	84.8	403720	348000	286000	232000	143000	116000	200	50	1500	1800	—	—	680000
	109	403720	348000	301000	245000	151000	123000	200	50	1500	1800	—	—	680000
	129	403720	348000	284000	231000	142000	116000	200	50	1500	1800	3200	6L	680000
	137	389910	348000	286000	233000	144000	117000	200	50	1500	1800	2600	6K	680000
	162	367580	317550	270690	248000	153000	124000	200	50	1500	1800	2600	6K	680000
	188	308140	296000	241000	196000	121000	98000	200	50	1500	1800	2100	6G	680000
	223	359680	317550	267610	220000	136000	110000	200	50	1500	1800	2100	6G	680000
L4	347	403720	348000	286000	232000	143000	116000	115	30	1500	2500	1100	6C	680000
	445	403720	348000	286000	232000	143000	116000	115	30	1500	2500	850	6B	680000
	528	403720	348000	286000	232000	143000	116000	115	30	1500	2500	850	6B	680000
	571	403720	348000	301000	245000	151000	123000	109	30	1500	2500	850	6B	680000
	678	403720	348000	301000	245000	151000	123000	92	30	1500	2500	850	6B	680000
	717	389910	348000	286000	233000	144000	117000	87	30	1500	2500	850	6B	680000
	850	389910	348000	286000	233000	144000	117000	73	30	1500	2500	850	6B	680000
	912	359680	317550	267610	220000	136000	110000	66	30	1500	2500	850	6B	680000
	1007	367580	317550	270690	248000	153000	124000	60	30	1500	2500	850	6B	680000
	1195	367580	317550	270690	248000	153000	124000	50	30	1500	2500	850	6B	680000
	1389	359680	317550	267610	220000	136000	110000	43	30	1500	2500	850	6B	680000





321 L



436

655740 Nm

	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}	
		n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h								[kW]
L1	4.44	655740	517290	420170	341290	210580	171050	540	115	200	300	—	—	934000	
	L2	18.2	655740	517290	420170	341290	210580	171050	300	95	200	300	—	—	934000
		23.3	655740	517290	420170	341290	210580	172000	300	95	200	300	—	—	934000
L3	27.7	536350	517290	420170	341290	210580	171050	300	95	200	300	—	—	934000	
	75.3	655740	517290	420170	341290	210580	171050	250	60	1000	1200	—	—	934000	
	98.2	655740	517290	420170	341290	210580	171050	250	60	1000	1200	—	—	934000	
	118	655740	517290	420170	341290	210580	171050	250	60	1000	1200	—	—	934000	
	126	655740	517290	420170	341290	210580	172000	250	60	1000	1200	—	—	934000	
L4	152	655740	517290	420170	341290	210580	172000	250	60	1000	1200	—	—	934000	
	180	536350	517290	420170	341290	210580	171050	250	60	1000	1200	—	—	934000	
	258	655740	517290	420170	341290	210580	171050	150	35	1500	2000	2100	6G	934000	
	308	655740	517290	420170	341290	210580	171050	150	35	1500	2000	2100	6G	934000	
	395	655740	517290	420170	341290	210580	171050	150	35	1500	2000	2100	6G	934000	
	469	655740	517290	420170	341290	210580	171050	150	35	1500	2000	1500	6E	934000	
	515	655740	517290	420170	341290	210580	171050	150	35	1500	2000	1500	6E	934000	
	612	655740	517290	420170	341290	210580	171050	150	35	1500	2000	1100	6C	934000	
736	655740	517290	420170	341290	210580	171050	130	35	1500	2000	850	6B	934000		
796	655740	517290	420170	341290	210580	172000	120	35	1500	2000	850	6B	934000		
945	655740	517290	420170	341290	210580	172000	101	35	1500	2000	850	6B	934000		
1122	536350	517290	420170	341290	210580	171050	79	35	1500	2000	850	6B	934000		



C

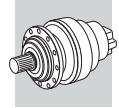
323 L



446

890310 Nm

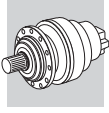
	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}	
		n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h								[kW]
L1	4.60	890310	829940	742050	602740	371910	302080	850	150	150	250	—	—	1580000	
	L2	19.6	890310	829940	742050	602740	371910	302080	380	130	200	300	—	—	1580000
		22.4	890310	829940	742050	602740	371910	302080	380	130	200	300	—	—	1580000
		26.5	890310	829940	742050	602740	371910	302080	380	130	200	300	—	—	1580000
L3	33.1	890310	829940	742050	602740	371910	302080	380	130	200	300	—	—	1580000	
	83.3	890310	829940	742050	602740	371910	302080	260	90	500	800	—	—	1580000	
	104.6	890310	829940	742050	602740	371910	302080	260	90	500	800	—	—	1580000	
	112.8	890310	829940	742050	602740	371910	302080	260	90	500	800	—	—	1580000	
	119.6	890310	829940	742050	602740	371910	302080	260	90	500	800	—	—	1580000	
	141.5	890310	829940	742050	602740	371910	302080	260	90	500	800	—	—	1580000	
	164.5	890310	829940	742050	602740	371910	302080	260	90	500	800	—	—	1580000	
	205.3	890310	829940	742050	602740	371910	302080	210	90	500	800	—	—	1580000	
L4	341.0	890310	829940	742050	602740	371910	302080	200	50	1500	1800	3200	6L	1580000	
	389.9	890310	829940	742050	602740	371910	302080	200	50	1500	1800	3200	6L	1580000	
	437.6	890310	829940	742050	602740	371910	302080	200	50	1500	1800	3200	6L	1580000	
	500.4	890310	829940	742050	602740	371910	302080	200	50	1500	1800	3200	6L	1580000	
	568.8	890310	829940	742050	602740	371910	302080	200	50	1500	1800	2600	6K	1580000	
	627.9	890310	829940	742050	602740	371910	302080	200	50	1500	1800	2600	6K	1580000	
	702.8	890310	829940	742050	602740	371910	302080	197	50	1500	1800	2600	6K	1580000	
	757.6	890310	829940	742050	602740	371910	302080	182	50	1500	1800	2600	6K	1580000	
	881.9	890310	829940	742050	602740	371910	302080	157	50	1500	1800	2600	6K	1580000	
	1025.2	890310	829940	742050	602740	371910	302080	135	50	1500	1800	2600	6K	1580000	
	1100.6	890310	829940	742050	602740	371910	302080	126	50	1500	1800	2600	6K	1580000	
	1279.5	890310	829940	742050	602740	371910	302080	108	50	1500	1800	2600	6K	1580000	



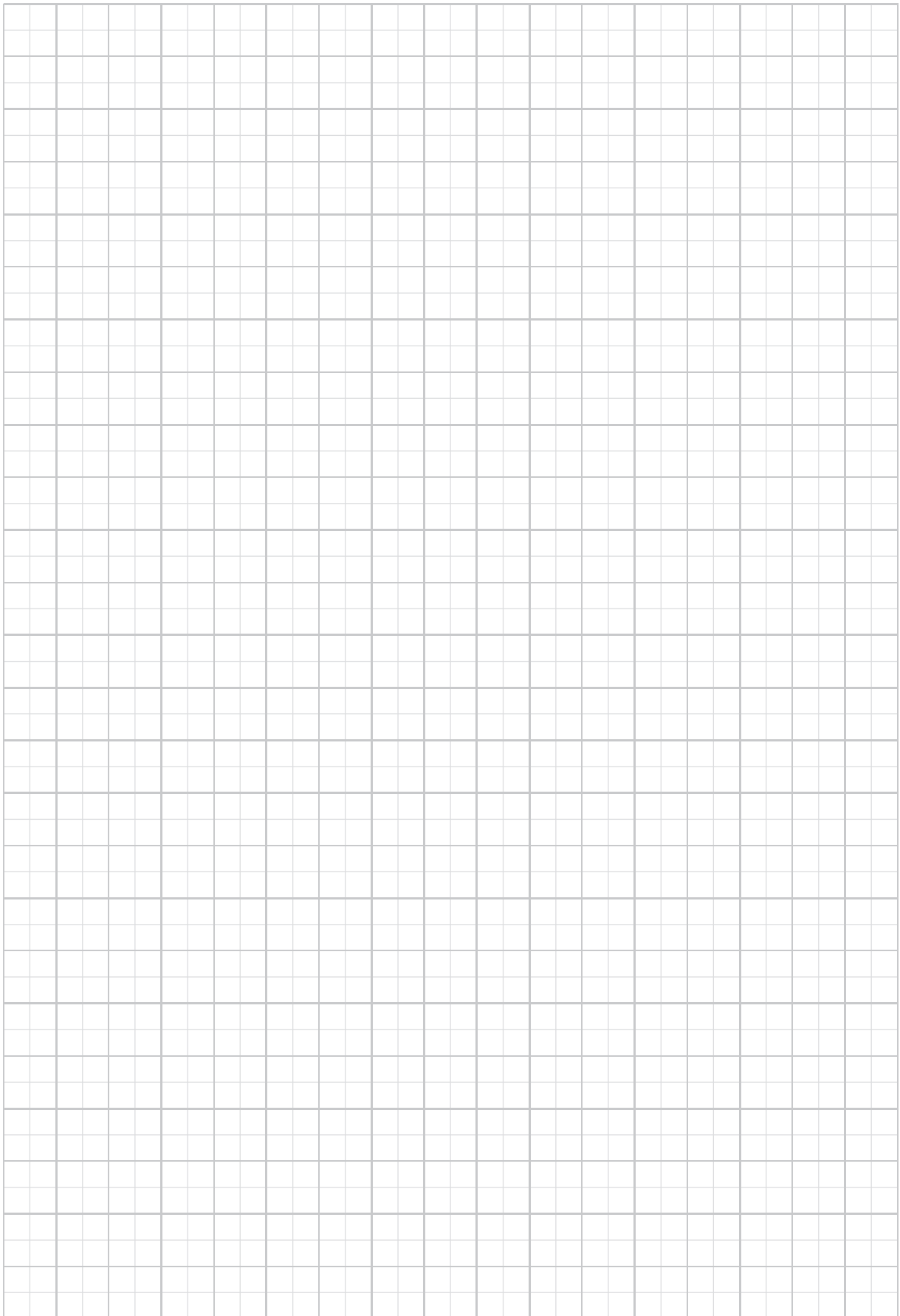
325 L		450	1286700 Nm
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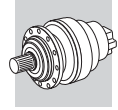
	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h							
L1	4.60	1286700	1166950	947860	769900	475050	385860	1050	190	120	250	—	—	2000000
	L2	19.6	1286600	1104050	896760	729000	449450	365060	380	160	200	300	—	—
L2	22.4	1286700	1083740	880270	715000	441180	358350	380	160	200	300	—	—	2000000
	26.5	1286700	1066430	866210	703580	434130	352630	380	160	200	300	—	—	2000000
	33.1	963170	963170	845000	686160	423380	343890	380	160	200	300	—	—	2000000
	L3	83.3	1286600	1104050	896760	728400	449450	365060	260	115	500	800	—	—
L3	104.6	1286600	1104050	896760	728400	449450	365060	260	115	500	800	—	—	2000000
	112.8	1286700	1066430	866210	703580	434130	352630	260	115	500	800	—	—	2000000
	119.6	1286700	1083740	880270	715000	441180	358350	260	115	500	800	—	—	2000000
	141.5	1286700	1066430	866210	703580	434130	352630	260	115	500	800	—	—	2000000
	164.5	1286700	1066430	866210	703580	434130	352630	260	115	500	800	—	—	2000000
	205.3	963170	963170	845000	686160	423380	343890	226	115	500	800	—	—	2000000
	L4	341.0	1286600	1104050	896760	728400	449450	365060	200	65	1500	1800	3200	6L
L4	389.9	1286700	1083740	880270	715000	441180	358350	200	65	1500	1800	3200	6L	2000000
	437.6	1286600	1104050	896760	728400	449450	365060	200	65	1500	1800	3200	6L	2000000
	500.4	1286700	1083740	880270	715000	441180	358350	200	65	1500	1800	3200	6L	2000000
	568.8	1286700	1083740	880270	715000	441180	358350	200	65	1500	1800	3200	6L	2000000
	627.9	1286700	1083740	880270	715000	441180	358350	200	65	1500	1800	3200	6L	2000000
	702.8	1286700	1066430	866210	703580	434130	352630	200	65	1500	1800	3200	6L	2000000
	757.6	1286600	1104050	896760	728400	449450	365060	200	65	1500	1800	2600	6K	2000000
	881.9	1286700	1066430	866210	703580	434130	352630	200	65	1500	1800	2600	6K	2000000
	1025.2	1286700	1066430	866210	703580	434130	352630	193	65	1500	1800	2600	6K	2000000
	1100.6	963170	963170	845120	686350	423550	343890	135	65	1500	1800	2600	6K	2000000
	1279.5	963170	963170	845120	686350	423550	343890	116	65	1500	1800	2600	6K	2000000






C





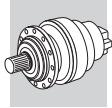
24.8 RATING CHARTS FOR RIGHT ANGLE UNITS 300 R

Reading the rating chart.

		300 R						1250 Nm						
		246												
i	1:	M_{n2} [Nm]						P_1 [kW]	P_t [kW]	n_1 [min ⁻¹]	n_{1max} [min ⁻¹]	M_b [Nm]		M_{2max} [Nm]
		10000	25000	50000	100000	500000	1000000							
R2	7.13	760	730	730	730	730	730	15.0	12	2000	4000	160	4D	2000
	8.74	1250	1070	950	860	840	720	15.0	12	2000	4000	160	4D	2400
	11.8	860	730	650	650	650	630	12.2	12	2000	4000	100	4B	2400
	14.8	700	600	550	550	550	510	8.3	12	2000	4000	100	4B	2400
	18.5	460	390	370	370	370	370	4.5	12	2000	4000	100	4B	2400

- | | |
|--|--|
| <p>1 Reference torque</p> <hr/> <p>2 Number of reduction stages (right-angled gear unit)</p> <hr/> <p>3 Gear ratio</p> <hr/> <p>4 Gearbox rated output torque based on:
- service factor $f_S=1$
- $n_2 \cdot h$ indicated</p> <hr/> <p>5 Maximum power transmitted to the input shaft</p> <hr/> <p>6 Gearbox thermal capacity</p> | <p>7 Input angular velocity</p> <hr/> <p>8 Maximum input angular velocity</p> <hr/> <p>9 Rated brake torque (Hydraulic brake)</p> <hr/> <p>10 Negative multidisc hydraulic brake</p> <hr/> <p>11 Maximum output torque at gearbox</p> <hr/> <p>12 Page where dimensions can be sorted from</p> |
|--|--|







300 R



246

1250 Nm



	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}	
		n ₂ -h 10000	n ₂ -h 25000	n ₂ -h 50000	n ₂ -h 100000	n ₂ -h 500000	n ₂ -h 1000000								[kW]
R2	7.13	760	730	730	730	730	730	15.0	12	2000	4000	160	4D	2000	
	8.74	1250	1070	950	860	840	720	15.0	12	2000	4000	160	4D	2400	
	11.8	860	730	650	650	650	630	12.2	12	2000	4000	100	4B	2400	
	14.8	700	600	550	550	550	510	8.3	12	2000	4000	100	4B	2400	
	18.5	460	390	370	370	370	370	4.5	12	2000	4000	100	4B	2400	
R3	24.8	760	730	730	730	730	730	6.2	12	2000	4000	50	4A	2000	
	30.4	1250	1070	950	860	840	720	6.6	12	2000	4000	50	4A	2400	
	37.3	1250	1070	950	860	840	720	5.5	12	2000	4000	50	4A	2400	
	41.2	860	730	650	650	650	630	3.6	12	2000	4000	50	4A	2400	
	50.4	1250	1070	950	860	840	720	4.3	12	2000	4000	50	4A	2400	
	62.9	1250	1070	950	860	840	720	3.5	12	2000	4000	50	4A	2400	
	68.2	860	730	650	650	650	630	2.4	12	2000	4000	50	4A	2400	
	78.7	1250	1070	950	860	840	720	2.9	12	2000	4000	50	4A	2400	
	85.2	860	730	650	650	650	630	2.0	12	2000	4000	50	4A	2400	
	106	860	730	650	650	650	630	1.7	12	2000	4000	50	4A	2400	
	133	700	600	550	550	550	510	1.2	12	2000	4000	50	4A	2400	
	R4	106	1250	1070	950	860	840	720	2.2	10	2000	4000	50	4A	2400
		130	1250	1070	950	860	840	720	1.8	10	2000	4000	50	4A	2400
143		860	730	650	650	650	630	1.4	10	2000	4000	50	4A	2400	
159		1250	1070	950	860	840	720	1.5	10	2000	4000	50	4A	2400	
175		1250	1070	950	860	840	720	1.3	10	2000	4000	50	4A	2400	
215		1250	1070	950	860	840	720	1.1	10	2000	4000	50	4A	2400	
237		860	730	650	650	650	630	0.86	10	2000	4000	50	4A	2400	
268		1250	1070	950	860	840	720	0.88	10	2000	4000	50	4A	2400	
291		1250	1070	950	860	840	720	0.81	10	2000	4000	50	4A	2400	
363		1250	1070	950	860	840	720	0.65	10	2000	4000	50	4A	2400	
394		860	730	650	650	650	630	0.52	10	2000	4000	50	4A	2400	
453		1250	1070	950	860	840	720	0.52	10	2000	4000	50	4A	2400	
491		860	730	650	650	650	630	0.41	10	2000	4000	50	4A	2400	
613	860	730	650	650	650	630	0.33	10	2000	4000	50	4A	2400		
766	860	730	650	650	650	630	0.27	10	2000	4000	50	4A	2400		

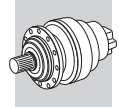
301 R







256

2060 Nm

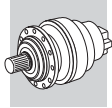
	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}	
		n ₂ -h 10000	n ₂ -h 25000	n ₂ -h 50000	n ₂ -h 100000	n ₂ -h 500000	n ₂ -h 1000000								[kW]
R2	7.13	1490	1430	1430	1430	1430	1300	15.0	12	2000	4000	260	4F	3200	
	8.74	2060	2060	1890	1730	1580	1280	15.0	12	2000	4000	330	4H	3200	
	11.8	1720	1460	1300	1300	1300	1240	15.0	12	2000	4000	260	4F	3200	
	14.8	1150	1150	1150	1150	1150	940	15.0	12	2000	4000	160	4D	3200	
	18.5	920	780	740	740	740	740	8.0	12	2000	4000	160	4D	3200	
R3	24.8	1490	1430	1430	1430	1430	1300	12.4	12	2000	4000	100	4B	3400	
	30.4	2460	2140	1900	1730	1580	1280	13.1	12	2000	4000	100	4B	3400	
	37.3	2460	2140	1900	1730	1580	1280	10.8	12	2000	4000	100	4B	3400	
	41.2	1720	1460	1300	1300	1300	1240	7.3	12	2000	4000	100	4B	3400	
	50.4	2460	2140	1900	1730	1580	1280	8.4	12	2000	4000	100	4B	3400	
	62.9	2000	2000	1830	1730	1580	1280	7.0	12	2000	4000	50	4A	3400	
	68.2	1720	1460	1300	1300	1300	1240	4.8	12	2000	4000	50	4A	3400	
	78.7	1600	1600	1600	1600	1530	1280	5.8	12	2000	4000	50	4A	3400	
	85.2	1720	1460	1300	1300	1300	1240	4.0	12	2000	4000	50	4A	3400	
	106	1720	1460	1300	1300	1300	1240	3.3	12	2000	4000	50	4A	3400	
	133	1150	1150	1150	1150	1150	940	2.0	12	2000	4000	50	4A	3400	
	R4	106	2460	2140	1900	1730	1580	1280	4.5	10	2000	4000	50	4A	3400
		130	2460	2140	1900	1730	1580	1280	3.6	10	2000	4000	50	4A	3400
143		1720	1460	1300	1300	1300	1240	2.7	10	2000	4000	50	4A	3400	
159		2460	2140	1900	1730	1580	1280	3.0	10	2000	4000	50	4A	3400	



301 R		256						2060 Nm						
	i	M_{n2} [Nm]						P_1	Pt	n_1	n_{1max}	M_b		M_{2max}
		$n_2 \cdot h$ 10000	$n_2 \cdot h$ 25000	$n_2 \cdot h$ 50000	$n_2 \cdot h$ 100000	$n_2 \cdot h$ 500000	$n_2 \cdot h$ 1000000							
R4	175	2460	2140	1900	1730	1580	1280	2.7	10	2000	4000	50	4A	3400
	215	2460	2140	1900	1730	1580	1280	2.2	10	2000	4000	50	4A	3400
	237	1720	1460	1300	1300	1300	1240	1.7	10	2000	4000	50	4A	3400
	268	2460	2140	1900	1730	1580	1280	1.8	10	2000	4000	50	4A	3400
	291	2460	2140	1900	1730	1580	1280	1.6	10	2000	4000	50	4A	3400
	363	2460	2140	1900	1730	1580	1280	1.3	10	2000	4000	50	4A	3400
	394	1720	1460	1300	1300	1300	1240	1.0	10	2000	4000	50	4A	3400
	453	2000	2000	1830	1730	1580	1280	1.0	10	2000	4000	50	4A	3400
	491	1720	1460	1300	1300	1300	1240	0.82	10	2000	4000	50	4A	3400
	613	1720	1460	1300	1300	1300	1240	0.66	10	2000	4000	50	4A	3400
766	1720	1460	1300	1300	1300	1240	0.52	10	2000	4000	50	4A	3400	

303 R		266						2970 Nm							
	i	M_{n2} [Nm]						P_1	Pt	n_1	n_{1max}	M_b		M_{2max}	
		$n_2 \cdot h$ 10000	$n_2 \cdot h$ 25000	$n_2 \cdot h$ 50000	$n_2 \cdot h$ 100000	$n_2 \cdot h$ 500000	$n_2 \cdot h$ 1000000								[kW]
R2	9.23	2410	2310	2310	2310	2310	1940	35	18	1800	3800	330	4H	5200	
	10.9	2970	2810	2810	2650	2570	2090	35	18	1800	3800	330	4H	5200	
	13.7	2850	2520	2230	2200	2140	2030	32	18	1800	3800	260	4F	5200	
	15.9	2440	2080	1840	1820	1820	1820	23	18	1800	3800	260	4F	5200	
	19.2	2000	1750	1650	1650	1650	1500	17.2	18	1800	3800	160	4D	5200	
	24.8	1050	900	860	860	860	860	7.0	18	1800	3800	160	4D	5200	
R3	25.7	2410	2310	2310	2310	2130	1730	15.0	14	2.000	4.000	160	4D	5200	
	31.5	2410	2310	2310	2310	2100	1700	15.0	14	2.000	4.000	100	4B	5200	
	37.1	2970	2810	2810	2650	2350	1910	15.0	14	2.000	4.000	100	4B	5200	
	42.6	2410	2210	2210	2210	2030	1650	11.6	14	2.000	4.000	100	4B	5200	
	46.6	2850	2520	2230	2200	2140	2030	11.2	14	2.000	4.000	100	4B	5200	
	50.3	2770	2700	2650	2620	2280	1850	12.2	14	2.000	4.000	100	4B	5200	
	54.2	2440	2080	1840	1820	1820	1820	8.1	14	2.000	4.000	100	4B	5200	
	63.1	2850	2520	2230	2200	2140	2030	8.7	14	2.000	4.000	100	4B	5200	
	73.3	2440	2080	1840	1820	1820	1820	6.2	14	2.000	4.000	50	4A	5200	
	78.7	2850	2450	2230	2200	2140	2030	7.1	14	2.000	4.000	50	4A	5200	
	91.5	2440	2080	1840	1820	1820	1820	5.2	14	2.000	4.000	50	4A	5200	
	114	2300	2080	1840	1820	1820	1820	4.3	14	2.000	4.000	50	4A	5200	
	R4	129	2970	2810	2810	2650	2390	1940	5.1	12	2.000	4.000	50	4A	5200
		148	2410	2310	2310	2310	2130	1730	3.6	12	2.000	4.000	50	4A	5200
158		2970	2810	2810	2650	2350	1910	4.3	12	2.000	4.000	50	4A	5200	
185		2410	2310	2310	2310	2130	1730	2.9	12	2.000	4.000	50	4A	5200	
214		2970	2810	2810	2650	2350	1910	3.2	12	2.000	4.000	50	4A	5200	
231		2440	2080	1840	1820	1820	1820	2.4	12	2.000	4.000	50	4A	5200	
255		2440	2080	1840	1820	1820	1820	2.1	12	2.000	4.000	50	4A	5200	
290		2770	2700	2650	2620	2280	1850	2.2	12	2.000	4.000	50	4A	5200	
313		2440	2080	1840	1820	1820	1820	1.7	12	2.000	4.000	50	4A	5200	
336		2850	2520	2230	2200	2140	2030	2.0	12	2.000	4.000	50	4A	5200	
364		2850	2520	2230	2200	2140	2030	1.9	12	2.000	4.000	50	4A	5200	
390		2440	2080	1840	1820	1820	1820	1.4	12	2.000	4.000	50	4A	5200	
452		2250	2250	2250	2250	1830	1800	1.2	12	2.000	4.000	50	4A	5200	
528		2440	2080	1840	1820	1820	1820	1.0	12	2.000	4.000	50	4A	5200	
567		2850	2450	2230	2200	2140	2030	1.2	12	2.000	4.000	50	4A	5200	
659		2440	2080	1840	1820	1820	1820	0.83	12	2.000	4.000	50	4A	5200	
797		2000	1750	1650	1650	1650	1500	0.59	12	2.000	4.000	50	4A	5200	
824		2440	2080	1840	1820	1820	1820	0.66	12	2.000	4.000	50	4A	5200	







304 R



278

3960 Nm

	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h							
1:	10000	25000	50000	100000	500000	1000000	[kW]	[kW]	[min ⁻¹]	[min ⁻¹]	[Nm]		[Nm]	
R2	9.23	3710	3520	3500	3220	2390	1940	35	18	1800	3800	330	4H	6600
	10.9	3960	3750	3690	3540	2680	2180	35	18	1800	3800	330	4H	6600
	13.7	3740	3190	2850	2850	2850	2560	35	18	1800	3800	260	4F	6600
	16.8	3000	2560	2390	2390	2390	2390	28	18	1800	3800	260	4F	6600
R3	25.7	3710	3520	3500	3440	3080	2830	15.0	14	2.000	4.000	160	4D	7300
	31.5	3710	3520	3500	3440	3080	2830	15.0	14	2.000	4.000	100	4B	7300
	37.1	3960	3750	3690	3540	3430	2780	15.0	14	2.000	4.000	100	4B	7300
	42.6	3710	3520	3500	3440	3120	2830	15.0	14	2.000	4.000	100	4B	7300
	46.6	3740	3190	2850	2850	2850	2710	14.2	14	2.000	4.000	100	4B	7300
	50.3	3960	3750	3690	3540	3430	2780	15.0	14	2.000	4.000	100	4B	7300
	63.1	3740	3190	2850	2850	2850	2710	10.9	14	2.000	4.000	100	4B	7300
	78.7	3740	3190	2850	2850	2850	2710	9.0	14	2.000	4.000	100	4B	7300
	97.0	3010	2560	2390	2390	2390	2390	5.9	14	2.000	4.000	50	4A	7300
	121	3010	2560	2390	2390	2390	2390	4.9	14	2.000	4.000	50	4A	7300
	R4	89.4	3710	3520	3500	3440	3120	2830	9.4	12	2.000	4.000	50	4A
109		3710	3520	3500	3440	3120	2830	7.8	12	2.000	4.000	50	4A	7300
129		3960	3750	3690	3540	3430	2780	7.1	12	2.000	4.000	50	4A	7300
148		3710	3520	3500	3440	3120	2830	5.9	12	2.000	4.000	50	4A	7300
158		3960	3750	3690	3540	3430	2780	5.9	12	2.000	4.000	50	4A	7300
185		3710	3520	3500	3440	3080	2830	4.7	12	2.000	4.000	50	4A	7300
214		3960	3750	3690	3540	3430	2780	4.4	12	2.000	4.000	50	4A	7300
227		3710	3520	3500	3440	3120	2830	3.9	12	2.000	4.000	50	4A	7300
267		3960	3750	3690	3540	3430	2780	3.5	12	2.000	4.000	50	4A	7300
290		3960	3750	3690	3540	3430	2780	3.2	12	2.000	4.000	50	4A	7300
307		3710	3520	3500	3440	3120	2830	2.9	12	2.000	4.000	50	4A	7300
338		3010	2560	2390	2390	2390	2390	1.9	12	2.000	4.000	50	4A	7300
364		3740	3190	2850	2850	2850	2710	2.3	12	2.000	4.000	50	4A	7300
414		3010	2560	2390	2390	2390	2390	1.6	12	2.000	4.000	50	4A	7300
452		3960	3710	3660	3540	3430	2780	2.1	12	2.000	4.000	50	4A	7300
560		3010	2560	2390	2390	2390	2390	1.2	12	2.000	4.000	50	4A	7300
699		3010	2560	2390	2390	2390	2390	0.93	12	2.000	4.000	50	4A	7300



C

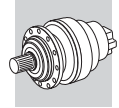
305 R



290

5600 Nm

	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h							
1:	10000	25000	50000	100000	500000	1000000	[kW]	[kW]	[min ⁻¹]	[min ⁻¹]	[Nm]		[Nm]	
R2	9.23	4650	4050	4000	3870	2390	1940	35	18	1800	3800	440	4L	7700
	10.9	5300	4720	4720	4350	2680	2180	35	18	1800	3800	440	4L	7700
	13.7	5600	5040	4470	4280	3150	2560	35	18	1800	3800	440	4L	7700
	15.9	4690	4000	3600	3600	3500	2840	35	18	1800	3800	330	4H	7700
	19.2	3800	3300	3100	3100	3000	2790	32	18	1800	3800	260	4F	7700
R3	25.7	4680	4490	4490	4490	3800	3090	15.0	14	2000	4000	260	4F	8800
	31.5	4700	4490	4490	4490	3750	3040	15.0	14	2000	4000	260	4F	8800
	37.1	5800	5500	5480	5300	4210	3420	15.0	14	2000	4000	260	4F	8800
	42.6	4700	4450	4430	4430	3630	2950	15.0	14	2000	4000	160	4D	8800
	46.6	5600	5040	4470	4400	4280	3490	15.0	14	2000	4000	160	4D	8800
	50.3	5530	5350	5300	5230	4070	3310	15.0	14	2000	4000	160	4D	8800
	54.2	4690	4000	3600	3600	3550	3460	15.0	14	2000	4000	100	4B	8800
	63.1	5600	5040	4470	4400	4280	3490	15.0	14	2000	4000	100	4B	8800
	73.3	4690	4000	3600	3600	3550	3460	12.3	14	2000	4000	100	4B	8800
	78.7	5600	4900	4470	4400	4280	3490	14.3	14	2000	4000	100	4B	8800
	91.5	4690	4000	3600	3600	3550	3460	10.2	14	2000	4000	100	4B	8800
114	4430	4000	3600	3600	3500	3460	8.6	14	2000	4000	50	4A	8800	
R4	129	5800	5480	5480	5300	4270	3470	10.3	12	2000	4000	50	4A	8800
	148	4700	4490	4490	4490	3800	3090	7.4	12	2000	4000	50	4A	8800
	158	5800	5500	5480	5300	4210	3420	8.6	12	2000	4000	50	4A	8800



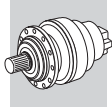
305 R		290	5600 Nm
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	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h							
R4	185	4700	4490	4490	4490	3800	3090	6.0	12	2000	4000	50	4A	8800
	214	5800	5500	5480	5300	4210	3420	6.4	12	2000	4000	50	4A	8800
	231	4690	4000	3600	3600	3550	3460	4.7	12	2000	4000	50	4A	8800
	255	4690	4000	3600	3600	3550	3460	4.3	12	2000	4000	50	4A	8800
	290	5530	5400	5300	5230	4070	3310	4.5	12	2000	4000	50	4A	8800
	313	4690	4000	3600	3600	3550	3460	3.5	12	2000	4000	50	4A	8800
	336	5600	5040	4470	4400	4280	3490	3.9	12	2000	4000	50	4A	8800
	364	5600	5040	4470	4400	4280	3490	3.6	12	2000	4000	50	4A	8800
	390	4690	4000	3600	3600	3550	3460	2.8	12	2000	4000	50	4A	8800
	452	4750	4750	4750	4750	3660	3210	2.5	12	2000	4000	50	4A	8800
	528	4690	4000	3600	3600	3550	3460	2.1	12	2000	4000	50	4A	8800
	567	5600	4900	4470	4400	4280	3490	2.3	12	2000	4000	50	4A	8800
	659	4690	4000	3600	3600	3550	3460	1.7	12	2000	4000	50	4A	8800
	797	3800	3300	3100	3100	3000	2790	1.1	12	2000	4000	50	4A	8800
	824	4690	4000	3600	3600	3550	3460	1.3	12	2000	4000	50	4A	8800

306 R		302	7300 Nm
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	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h							
R2	9.23	4650	4050	4000	3870	2390	1940	35	18	1800	3800	440	4L	12000
	10.9	5300	4720	4720	4350	2680	2180	35	18	1800	3800	440	4L	12000
	13.7	6500	5920	5920	5100	3150	2560	35	18	1800	3800	440	4L	12000
	15.9	7300	6890	6530	5670	3500	2840	35	18	1800	3800	440	4L	12000
	19.2	7000	5900	5500	5400	3990	3240	35	18	1800	3800	400	4K	12000
R3	33.2	8020	8020	8020	8020	5680	4620	35	14	2000	4000	260	4F	14900
	39.2	9770	9340	9340	9300	6110	4960	35	14	2000	4000	260	4F	14900
	46.3	10420	9850	9850	9600	6860	5570	35	14	2000	4000	260	4F	14900
	58.1	9560	9100	9100	9100	6680	5430	35	14	2000	4000	260	4F	14900
	67.5	7890	7590	7590	7590	6620	5380	25	14	2000	4000	260	4F	14900
	72.9	10080	9350	8300	7950	6810	5530	27	14	2000	4000	160	4D	14900
	84.7	9540	9350	8300	7950	6810	5530	23	14	2000	4000	160	4D	14900
	98.5	8630	7370	6530	6500	6460	5480	17.7	14	2000	4000	100	4B	14900
	119	8500	7370	6530	6500	6460	5480	15.2	14	2000	4000	100	4B	14900
	144	7000	5900	5500	5500	5040	5040	10.7	14	2000	4000	100	4B	14900
R4	158	10420	9850	9850	9600	6860	5570	14.9	12	2000	4000	100	4B	14900
	168	8320	7700	7700	7530	5950	4830	11.3	12	2000	4000	100	4B	14900
	181	9450	9450	9450	9450	6970	5660	11.6	12	2000	4000	100	4B	14900
	214	10420	9850	9850	9600	6860	5570	11.1	12	2000	4000	50	4A	14900
	230	7890	7590	7590	7590	6620	5380	7.7	12	2000	4000	50	4A	14900
	249	10080	9350	8300	7950	6810	5530	9.0	12	2000	4000	50	4A	14900
	289	9540	9350	8300	7950	6810	5530	7.6	12	2000	4000	50	4A	14900
	312	7890	7590	7590	7590	6620	5380	5.7	12	2000	4000	50	4A	14900
	389	8500	7590	7590	7590	6620	5380	5.2	12	2000	4000	50	4A	14900
	420	10080	9350	8300	7950	6810	5530	5.4	12	2000	4000	50	4A	14900
	455	8630	7370	6530	6500	6460	5480	4.4	12	2000	4000	50	4A	14900
	488	9540	9350	8300	7950	6810	5530	4.5	12	2000	4000	50	4A	14900
	550	8500	7370	6530	6500	6460	5480	3.7	12	2000	4000	50	4A	14900
	590	9500	8500	7800	7800	6810	5530	3.8	12	2000	4000	50	4A	14900
	665	7000	5900	5500	5500	5040	5040	2.5	12	2000	4000	50	4A	14900
	830	7000	5900	5500	5500	5040	5040	2.0	12	2000	4000	50	4A	14900







307 R

314

14000 Nm



	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n _{2-h} 10000	n _{2-h} 25000	n _{2-h} 50000	n _{2-h} 100000	n _{2-h} 500000	n _{2-h} 1000000							
R2	13.0	9000	8500	8270	7960	6570	5340	85	35	1800	3800	1000	5K	18600
	15.5	11400	10690	9630	9520	7440	6040	85	35	1800	3800	1000	5K	21000
	19.8	14000	12700	11300	10790	8850	7190	85	35	1800	3800	800	5G	21000
	23.5	11000	9600	8700	8700	8240	7490	74	35	1800	3800	500	5C	21000
R3	31.6	9000	9000	9000	8300	5490	4460	35	22	2000	4000	400	4K	18600
	37.7	15680	14890	12400	10070	6210	5050	35	22	2000	4000	440	4L	21000
	44.6	15680	14890	13930	11310	6980	5670	35	22	2000	4000	400	4K	21000
	55.9	15680	14890	14890	13260	8180	6650	35	22	2000	4000	330	4H	21000
	65.0	14670	14010	14010	13510	9090	7380	35	22	2000	4000	260	4F	21000
	71.8	14840	12700	11300	10790	9340	7590	35	22	2000	4000	260	4F	21000
	78.6	12300	12300	12300	12300	9560	7770	35	22	2000	4000	260	4F	21000
	83.4	14840	12700	11300	10790	9340	7590	33	22	2000	4000	260	4F	21000
	99.0	11000	9600	8700	8700	8240	7490	23	22	2000	4000	160	4D	21000
	120	11000	9600	8700	8700	8240	7490	19.9	22	2000	4000	160	4D	21000
R4	152	15680	14890	14890	13510	9560	7770	15.0	15	2000	4000	100	4B	21000
	165	14840	12700	11300	10790	9340	7590	15.0	15	2000	4000	100	4B	21000
	191	15680	14890	14890	13510	9560	7770	15.0	15	2000	4000	100	4B	21000
	206	15680	14890	14890	13510	9560	7770	15.0	15	2000	4000	100	4B	21000
	232	14840	12700	11300	10790	9340	7590	14.3	15	2000	4000	100	4B	21000
	258	15680	14890	14890	13510	9560	7770	13.8	15	2000	4000	100	4B	21000
	284	14840	12700	11300	10790	9340	7590	11.6	15	2000	4000	100	4B	21000
	300	15000	14010	14010	13510	9560	7770	11.8	15	2000	4000	100	4B	21000
	331	14840	12700	11300	10790	9340	7590	10.0	15	2000	4000	50	4A	21000
	363	12300	12300	12300	12300	9560	7770	8.0	15	2000	4000	50	4A	21000
	413	14840	12700	11300	10790	9340	7590	8.0	15	2000	4000	50	4A	21000
	453	15000	13800	12900	12500	9560	7770	7.8	15	2000	4000	50	4A	21000
	490	11000	9600	8700	8700	8240	7490	5.3	15	2000	4000	50	4A	21000
	581	14330	12710	11300	10790	9340	7590	5.7	15	2000	4000	50	4A	21000
690	11000	9600	8700	8700	8240	7490	3.8	15	2000	4000	50	4A	21000	

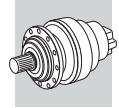
C

309 R

326



16460 Nm

	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n _{2-h} 10000	n _{2-h} 25000	n _{2-h} 50000	n _{2-h} 100000	n _{2-h} 500000	n _{2-h} 1000000							
R2	13.0	9800	9120	8270	7960	6570	5340	85	35	1800	3800	1000	5K	27400
	15.5	11400	10690	9630	9520	7440	6040	85	35	1800	3800	1000	5K	27400
	19.8	14000	13270	12270	12270	8850	7190	85	35	1800	3800	1000	5K	27400
	23.5	16460	14070	12500	12370	9980	8110	85	35	1800	3800	800	5G	27400
R3	31.6	12800	12310	10960	8900	5490	4460	35	22	2000	4000	440	4L	27900
	37.7	15830	15260	12400	10070	6210	5050	35	22	2000	4000	440	4L	29000
	44.6	18670	17150	13930	11310	6980	5670	35	22	2000	4000	400	4K	29000
	55.9	18510	17140	16330	13260	8180	6650	35	22	2000	4000	400	4K	29000
	65.0	14670	14300	14300	14010	9090	7380	35	22	2000	4000	260	4F	29000
	71.8	21980	19060	16940	15790	9740	7910	35	22	2000	4000	330	4H	29000
	83.4	18300	18100	16940	16190	10830	8790	35	22	2000	4000	260	4F	29000
	99.0	17000	14400	13000	13000	12210	9910	35	22	2000	4000	260	4F	29000
	120	17000	14400	13000	13000	12370	10280	30	22	2000	4000	160	4D	29000
	R4	152	21620	21260	21260	18580	11460	9310	15.0	15	2000	4000	160	4D
165		21980	19060	16940	16190	12810	10410	15.0	15	2000	4000	160	4D	29000
191		18510	17500	17500	17140	11160	9070	15.0	15	2000	4000	160	4D	29000
206		21620	21260	21260	18580	11460	9310	15.0	15	2000	4000	160	4D	29000
232		18300	18100	16940	16190	12810	10410	15.0	15	2000	4000	100	4B	29000
258		18510	17500	17500	17140	11160	9070	15.0	15	2000	4000	100	4B	29000
284		18300	18100	16940	16190	12810	10410	15.0	15	2000	4000	100	4B	29000
331		21980	19060	16940	16190	12810	10410	15.0	15	2000	4000	100	4B	29000
374		14670	14300	14300	14010	11060	8990	9.2	15	2000	4000	100	4B	29000





309 R  326

16460 Nm

	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h							
	1:	10000	25000	50000	100000	500000	1000000	[kW]	[kW]	[min ⁻¹]	[min ⁻¹]	[Nm]		[Nm]
R4	413	21980	19060	16940	16190	12810	10410	12.0	15	2000	4000	100	4B	29000
	457	17000	14400	13000	13000	12370	10280	8.8	15	2000	4000	50	4A	29000
	490	17000	14400	13000	13000	12370	10280	8.2	15	2000	4000	50	4A	29000
	581	15800	15800	15800	15000	12810	10410	6.4	15	2000	4000	50	4A	29000
	690	17000	14400	13000	13000	12370	10280	5.8	15	2000	4000	50	4A	29000



310 R  338

34120 Nm

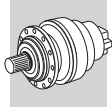
	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h							
	1:	10000	25000	50000	100000	500000	1000000	[kW]	[kW]	[min ⁻¹]	[min ⁻¹]	[Nm]		[Nm]
R2	12.0	28200	27800	25000	21590	13320	10820	130	55	1500	2500	3200	6L	47600
	15.4	30600	26240	23350	21100	13020	10570	130	55	1500	2500	2600	6K	47600
	18.3	26000	21200	18420	18230	12860	10440	130	55	1500	2500	2100	6G	47600
	16.6	34120	32340	26580	21590	13320	10820	130	55	1500	2500	2600	6K	47600
	21.3	30600	26240	23350	21100	13020	10570	130	55	1500	2500	2600	6K	47600
R3	25.3	26000	21200	18420	18230	12860	10440	119	55	1500	2500	2100	6G	47600
	37.7	15830	15260	12400	10070	6210	5050	35	22	1800	3800	440	4L	47600
	44.6	18670	17150	13930	11310	6980	5670	35	22	1800	3800	440	4L	47600
	55.9	23410	20100	16320	13260	8180	6650	35	22	1800	3800	400	4K	47600
	65.0	27110	22330	18140	14730	9090	7380	35	22	1800	3800	400	4K	47600
	71.8	29990	23930	19440	15790	9740	7910	35	22	1800	3800	400	4K	47600
	78.6	21800	21100	20150	16840	10390	8440	35	22	1800	3800	330	4H	47600
	83.4	30600	26240	21600	17550	10830	8790	35	22	1800	3800	400	4K	47600
	99.0	26000	21200	18420	18230	12210	9910	35	22	1800	3800	330	4H	47600
	120	26000	21200	18420	18230	12860	10440	35	22	1800	3800	260	4F	47600
R4	136	34120	32340	26580	21590	13320	10820	35	15	2000	4000	260	4F	47600
	160	34120	32340	26580	21590	13320	10820	35	15	2000	4000	260	4F	47600
	189	34120	32340	26580	21590	13320	10820	35	15	2000	4000	260	4F	47600
	206	30600	26240	23350	21100	13020	10570	34	15	2000	4000	160	4D	47600
	234	34120	32340	26580	21590	13320	10820	25	15	2000	4000	160	4D	47600
	258	30600	26240	23350	21100	13020	10570	27	15	2000	4000	160	4D	47600
	283	34120	32340	26580	21590	13320	10820	19.1	15	2000	4000	100	4B	47600
	305	30600	26240	23350	21100	13020	10570	23	15	2000	4000	100	4B	47600
	334	34120	32340	26580	21590	13320	10820	19.1	15	2000	4000	100	4B	47600
	363	30600	26240	23350	21100	13020	10570	19.1	15	2000	4000	100	4B	47600
	419	34120	31930	26580	21590	13320	10820	16.9	15	2000	4000	100	4B	47600
	454	26000	21200	18420	18230	12860	10440	13.5	15	2000	4000	100	4B	47600
	517	30600	26240	23350	21100	13020	10570	13.5	15	2000	4000	100	4B	47600
	590	21800	21800	21800	20150	13320	10820	8.7	15	2000	4000	50	4A	47600
	639	26000	21200	18420	18230	12860	10440	9.6	15	2000	4000	50	4A	47600
757	28000	25880	23350	21100	13020	10570	8.8	15	2000	4000	50	4A	47600	
898	26000	21200	18420	18230	12860	10440	6.8	15	2000	4000	50	4A	47600	

311 R  350

48330 Nm

	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h							
	1:	10000	25000	50000	100000	500000	1000000	[kW]	[kW]	[min ⁻¹]	[min ⁻¹]	[Nm]		[Nm]
R2	12.0	28200	27800	25000	24910	15900	12700	150	75	1500	2500	3200	6L	58300
	15.4	35600	33600	31960	30600	18800	15300	150	75	1500	2500	3200	6L	58300
	18.3	34000	29500	27000	27000	18600	15100	150	75	1500	2500	2600	6K	58300
	16.6	48330	42150	34220	27800	17150	13940	150	90	1500	2500	3200	6L	58300
	21.3	45210	39560	35220	30380	18740	15230	150	90	1500	2500	2600	6K	58300
	25.3	34000	29500	27000	26000	18510	15040	150	90	1500	2500	2100	6G	58300







311 R



350

48330 Nm

	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h 10000	n ₂ ·h 25000	n ₂ ·h 50000	n ₂ ·h 100000	n ₂ ·h 500000	n ₂ ·h 1000000							
R3	53.0	32500	32430	32440	27690	17090	13880	85	40	2000	4000	800	5G	58300
	63.2	40540	38880	38290	31100	19190	15590	85	40	2000	4000	800	5G	58300
	68.0	41900	39560	35220	30380	18740	15230	85	40	2000	4000	630	5E	58300
	81.1	46930	43390	38290	31100	19190	15590	85	40	2000	4000	630	5E	58300
	96.3	35200	34500	34500	31100	19190	15590	83	40	2000	4000	500	5C	58300
	104	45210	39560	35220	32000	19700	16000	85	40	2000	4000	500	5C	58300
	124	43000	39560	35220	32000	19700	16000	75	40	2000	4000	400	5B	58300
	147	34000	29500	27000	27000	18600	15100	51	40	2000	4000	400	5B	58300
R4	154	48330	39700	32240	26190	16160	13130	35	22	2000	4000	330	4H	58300
	182	48330	44590	36210	29420	18150	14740	35	22	2000	4000	330	4H	58300
	198	46930	43390	38290	31100	19190	15590	35	22	2000	4000	260	4F	58300
	229	48330	45840	38290	31100	19190	15590	35	22	2000	4000	260	4F	58300
	266	48330	45840	38290	31100	19190	15590	35	22	2000	4000	260	4F	58300
	294	46930	43390	38290	31100	19190	15590	35	22	2000	4000	160	4D	58300
	322	48330	45840	38290	31100	19190	15590	33	22	2000	4000	160	4D	58300
	341	46930	43390	38290	31100	19190	15590	31	22	2000	4000	160	4D	58300
	413	46930	43390	38290	31100	19190	15590	25	22	2000	4000	160	4D	58300
	438	45210	39560	35220	32000	19700	16000	23	22	2000	4000	100	4D	58300
	490	35200	34500	34500	31100	19190	15590	17.0	22	2000	4000	100	4B	58300
	520	43000	39560	35220	32000	19700	16000	19.6	22	2000	4000	100	4B	58300
	629	43000	39560	35220	32000	19700	16000	16.2	22	2000	4000	100	4B	58300
	746	34000	29500	27000	27000	18600	15100	10.8	22	2000	4000	100	4B	58300



C

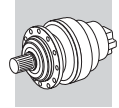
313 R






362




57970 Nm

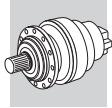
	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h 10000	n ₂ ·h 25000	n ₂ ·h 50000	n ₂ ·h 100000	n ₂ ·h 500000	n ₂ ·h 1000000							
R2	12.2	28500	28100	25300	25130	16100	12900	150	75	1500	2500	3200	6L	86300
	15.9	36700	35600	32870	31400	18900	15500	150	75	1500	2500	3200	6L	86300
	19.1	44100	41000	37800	36000	22100	17700	150	75	1500	2500	3200	6L	86300
	16.8	53340	42520	34530	28050	17310	14060	150	90	1500	2500	3200	6L	105000
	22.0	57970	49730	41580	33760	20830	16920	150	90	1500	2500	2600	6K	105000
	26.4	49000	41000	33100	31730	23730	19270	150	90	1500	2500	2600	6K	105000
R3	53.7	35120	32860	32860	27940	17240	14000	85	40	1800	3800	800	5G	105000
	64.0	40990	39380	38920	31620	19510	15850	85	40	1800	3800	800	5G	105000
	69.9	44280	43120	41410	33630	20750	16860	85	40	1800	3800	800	5G	105000
	82.2	51000	50890	46350	37650	23230	18870	85	40	1800	3800	630	5E	105000
	97.5	52430	50280	50280	42440	26190	21270	85	40	1800	3800	630	5E	105000
	107	57970	49730	44600	42590	27200	22090	85	40	1800	3800	630	5E	105000
	127	57970	49730	45000	42590	27200	22090	85	40	1800	3800	500	5C	105000
	153	49000	42400	39000	39000	27700	22500	65	40	1800	3800	400	5B	105000
R4	185	55410	44980	36540	29680	18310	14870	35	22	2000	4000	330	4H	105000
	201	55410	47690	38730	31460	19410	15770	35	22	2000	4000	330	4H	105000
	237	55410	52510	43510	35340	21810	17710	35	22	2000	4000	260	4F	105000
	281	53000	50280	49050	39840	24580	19970	35	22	2000	4000	260	4F	105000
	309	57970	49730	44290	42550	26250	21320	35	22	2000	4000	260	4F	105000
	346	55410	55000	52510	45210	27900	22660	35	22	2000	4000	260	4F	105000
	387	57970	49730	45000	42590	27200	22090	34	22	2000	4000	160	4D	105000
	450	57970	49730	45000	45000	27800	22600	29	22	2000	4000	160	4D	105000
	496	53000	52000	52200	45210	27900	22660	25	22	2000	4000	160	4D	105000
	535	57970	49730	45000	45000	27800	22600	24	22	2000	4000	160	4D	105000
	647	57970	49730	45000	45000	27800	22600	20	22	2000	4000	100	4B	105000
778	49000	42400	39000	39000	27700	22500	14.9	22	2000	4000	100	4B	105000	







314 R		 374						84000 Nm						
	i	M_{n2} [Nm]						P_1	P_t	n_1	n_{1max}	M_b		M_{2max}
		n_2-h	n_2-h	n_2-h	n_2-h	n_2-h	n_2-h							
R3	51.1	81840	78152	66080	53208	32832	26680	130	55	1500	2500	3200	6L	115000
	65.5	84000	80000	77600	64640	38800	30720	130	55	1500	2500	3200	6L	115000
	77.8	84000	80000	77600	62400	39040	31520	130	55	1500	2500	2600	6K	115000
	82.3	79200	69600	65464	62400	39040	31760	130	55	1500	2500	2600	6K	115000
	97.6	79200	69600	65464	62400	39040	31760	130	55	1500	2500	2100	6G	115000
	113	66792	57416	52000	52000	32800	26640	94	55	1500	2500	2100	6G	115000
	70.7	83176	78144	67784	55056	33968	27592	130	55	1500	2500	3200	6L	115000
	90.7	84000	78144	67784	55056	33968	27592	130	55	1500	2500	3200	6L	115000
	108	84000	80000	67784	55056	33968	27592	100	55	1500	2500	2600	6K	115000
	114	79200	69600	65464	56000	35280	29040	117	55	1500	2500	2600	6K	115000
	135	79200	69600	65464	62400	39040	31760	98	55	1500	2500	2100	6G	115000
	157	66792	57416	52000	52000	32800	26640	70	55	1500	2500	2100	6G	115000
	R4	160	83176	78144	67784	55056	33968	27592	35	22	1800	3800	440	4L
189		84000	79200	67784	55056	33968	27592	35	22	1800	3800	440	4L	115000
238		84000	80000	76000	62400	38320	31120	35	22	1800	3800	400	4K	115000
276		84000	80000	77600	63200	38960	31680	35	22	1800	3800	400	4K	115000
354		84000	80000	77600	66400	40800	33360	35	22	1800	3800	400	4K	115000
421		84000	80000	77600	62400	38720	31440	35	22	1800	3800	330	4H	115000
445		79200	69600	65464	62400	39040	31760	35	22	1800	3800	400	4K	115000
528		79200	69600	65464	62400	39040	31760	32	22	1800	3800	330	4H	115000
614		66792	57416	52000	52000	32800	26640	22	22	1800	3800	260	4F	115000





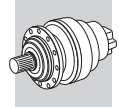
315 R		 386						105000 Nm						
	i	M_{n2} [Nm]						P_1	P_t	n_1	n_{1max}	M_b		M_{2max}
		n_2-h	n_2-h	n_2-h	n_2-h	n_2-h	n_2-h							
R3	51.1	102300	97690	82600	66510	41040	33350	150	75	1500	2500	2600	6K	135000
	65.5	105000	100000	97000	80800	48500	38400	150	75	1500	2500	2100	6G	135000
	77.8	105000	100000	97000	78000	48800	39400	150	75	1500	2500	2100	6G	135000
	82.3	99000	87000	81830	78000	48800	39700	150	75	1500	2500	1500	6E	135000
	97.6	99000	87000	81830	78000	48800	39700	150	75	1500	2500	1500	6E	135000
	113	83490	71770	65000	65000	41000	33300	118	75	1500	2500	850	6B	135000
	70.7	103970	97680	84730	68820	42460	34490	150	90	1500	2500	2100	6G	135000
	90.7	105000	97680	84730	68820	42460	34490	150	90	1500	2500	1500	6E	135000
	108	105000	100000	84730	68820	42460	34490	150	90	1500	2500	1500	6E	135000
	114	99000	87000	81830	70000	44100	36300	146	90	1500	2500	1100	6C	135000
	135	99000	87000	81830	78000	48800	39700	125	90	1500	2500	1100	6C	135000
	157	83490	71770	65000	65000	41000	33300	88	90	1500	2500	850	6B	135000
	R4	225	103970	97680	84730	68820	42460	34490	90	40	1800	3800	500	5C
269		105000	99000	84730	68820	42460	34490	83	40	1800	3800	500	5C	135000
345		105000	100000	95000	78000	47900	38900	65	40	1800	3800	400	5B	135000
409		105000	100000	97000	79000	48700	39600	55	40	1800	3800	400	5B	135000
525		105000	100000	97000	83000	51000	41700	43	40	1800	3800	400	5B	135000
623		105000	100000	97000	78000	48400	39300	36	40	1800	3800	400	5B	135000
659		99000	87000	81830	78000	48800	39700	32	40	1800	3800	400	5B	135000
782		99000	87000	81830	78000	48800	39700	27	40	1800	3800	400	5B	135000
909		83490	71770	65000	65000	41000	33300	18.7	40	1800	3800	400	5B	135000



316 R		398		138820 Nm										
	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h							
R3	51.1	108000	101000	87200	70300	42300	33900	150	75	1500	2500	2600	6K	192000
	65.5	134000	126000	104000	82600	50000	40200	150	75	1500	2500	2600	6K	192000
	77.8	124000	115000	98650	80130	49440	40500	150	75	1500	2500	2100	6G	192000
	70.7	138810	112590	91410	74250	45820	37220	150	90	1500	2500	2100	6G	192000
	90.7	138820	122980	99890	81130	50060	40660	150	90	1500	2500	2100	6G	192000
	108	124000	108000	98650	80130	49440	40160	150	90	1500	2500	1500	6E	192000
R4	225	138810	126000	103000	83700	51600	42000	85	45	1800	3800	800	5G	192000
	269	138820	126000	103000	83700	51600	42000	85	45	1800	3800	630	5E	192000
	289	138820	126000	107000	85300	53300	42700	85	45	1800	3800	630	5E	192000
	345	138820	126000	103000	83700	51600	42000	83	45	1800	3800	500	5C	192000
	409	138820	125920	103000	83700	51600	42000	69	45	1800	3800	400	5B	192000
	443	138820	126000	107000	85300	53300	42700	65	45	1800	3800	400	5B	192000
	525	138820	122980	103000	83700	51600	42000	54	45	1800	3800	400	5B	192000
	623	124000	115000	98650	80130	49440	40500	42	45	1800	3800	400	5B	192000



317 R		408		187860 Nm											
	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}	
		n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h								[kW]
R3	49.8	108300	99090	80420	65330	40310	32760	150	90	1500	2000	2600	6K	393000	
	64.9	134800	119290	96820	78650	48530	39440	150	90	1500	2000	2600	6K	393000	
	78.1	151300	138800	115100	92600	55260	45000	150	90	1500	2000	2600	6K	393000	
	83.3	165870	148000	120000	96000	58700	46960	150	90	1500	2000	2600	6K	393000	
	100	170000	161770	134800	109200	65810	53480	150	90	1500	2000	2100	6G	393000	
	119	156150	134380	119950	118760	74300	60290	150	90	1500	2000	1500	6E	393000	
	68.9	145590	110540	89790	72940	45010	36570	150	100	1500	2000	2600	6K	393000	
	89.8	175270	133080	108100	87810	54180	44020	150	100	1500	2000	2600	6K	393000	
	108	137600	127510	123140	99980	61690	50120	150	100	1500	2000	2100	6G	393000	
	115	187860	158560	128730	104560	64520	52420	150	100	1500	2000	2100	6G	393000	
	139	167000	163960	146640	119060	73470	59690	150	100	1500	2000	1500	6E	393000	
	165	156150	134380	119950	118760	79850	64860	141	100	1500	2000	1100	6C	393000	
	R4	220	136030	110120	89450	72650	44830	36410	90	50	1800	3800	500	5C	393000
		262	163270	124610	101220	82210	50730	41200	90	50	1800	3800	500	5C	393000
336		195330	148390	120530	97900	60410	49060	90	50	1800	3800	500	5C	393000	
399		207070	167280	135880	110370	68100	55310	90	50	1800	3800	500	5C	393000	
438		184310	171620	141110	114620	70720	57440	87	50	1800	3800	500	5C	393000	
520		184310	171620	141110	114620	70720	57440	73	50	1800	3800	400	5B	393000	
626		155000	155000	144000	117000	72000	59000	53	50	1800	3800	400	5B	393000	
677		170000	163960	154050	131030	80850	65670	53	50	1800	3800	400	5B	393000	
803		170000	163960	154050	131030	80850	65670	45	50	1800	3800	400	5B	393000	
953		156150	134380	119950	118760	79850	64860	32	50	1800	3800	400	5B	393000	

318 R		418		280580 Nm										
	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h	n ₂ ·h							
R4	225	280580	262990	218310	177320	109410	88870	150	90	1500	2500	1500	6E	500000
	288	280580	262990	218310	177320	109410	88870	150	90	1500	2500	1500	6E	500000
	342	280580	262990	218310	177320	109410	88870	130	90	1500	2500	1100	6C	500000
	362	280580	262990	218310	177320	109410	88870	123	90	1500	2500	1100	6C	500000
	430	280580	262990	218310	177320	109410	88870	103	90	1500	2500	850	6B	500000
	499	280580	262990	218310	177320	109410	88870	87	90	1500	2500	850	6B	500000
	311	280580	262990	218310	177320	109410	88870	143	110	1500	2500	1100	6C	500000





318 R  418

280580 Nm

	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h							
	1:	10000	25000	50000	100000	500000	1000000	[kW]	[kW]	[min ⁻¹]	[min ⁻¹]	[Nm]		[Nm]
R4	399	280580	262990	218310	177320	109410	88870	111	110	1500	2500	850	6B	500000
	474	280580	262990	218310	177320	109410	88870	94	110	1500	2500	850	6B	500000
	501	280580	262990	218310	177320	109410	88870	89	110	1500	2500	850	6B	500000
	595	280580	262990	218310	177320	109410	88870	75	110	1500	2500	850	6B	500000
	691	280580	262990	218310	177320	109410	88870	63	110	1500	2500	850	6B	500000



319 R  428

403720 Nm

	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h							
	1:	10000	25000	50000	100000	500000	1000000	[kW]	[kW]	[min ⁻¹]	[min ⁻¹]	[Nm]		[Nm]
R4	249	390680	296370	240760	195590	120710	98100	150	95	1500	2500	2100	6G	680000
	320	403720	345000	283900	226500	136700	112800	150	95	1500	2500	1500	6E	680000
	379	403720	348000	284000	231000	142000	116000	150	95	1500	2500	1500	6E	680000
	401	389910	348000	286000	233000	144000	117000	150	95	1500	2500	1500	6E	680000
	475	367580	317580	270690	248000	153000	124000	127	95	1500	2500	1100	6C	680000
	563	367580	317580	270690	248000	153000	124000	107	95	1500	2500	850	6B	680000
	655	359690	317560	267610	220000	136000	110000	92	95	1500	2500	850	6B	680000
	345	403720	306690	249110	202340	124850	101410	150	115	1500	2500	1100	6C	680000
	442	403720	306690	249110	202340	124850	101410	140	115	1500	2500	1100	6C	680000
	525	403720	306690	249110	202340	124850	101410	118	115	1500	2500	1100	6C	680000
	555	389910	313000	257800	208700	128900	105600	112	115	1500	2500	850	6B	680000
	657	367580	317580	270690	232200	145100	119000	92	115	1500	2500	850	6B	680000
	780	367580	317580	270690	248000	153000	124000	77	115	1500	2500	850	6B	680000
	906	359690	317560	267610	220000	136000	110000	67	115	1500	2500	850	6B	680000

321 R  438

655200 Nm

	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h	n ₂ -h							
	1:	10000	25000	50000	100000	500000	1000000	[kW]	[kW]	[min ⁻¹]	[min ⁻¹]	[Nm]		[Nm]
R4	221	374000	281300	226400	181800	111130	90320	150	105	1500	2000	2600	6K	934000
	288	447500	340100	268500	216800	133790	108740	150	105	1500	2000	2100	6G	934000
	347	506300	377100	307000	247800	152340	123900	150	105	1500	2000	2100	6G	934000
	370	528500	402100	317800	264200	159330	129500	150	105	1500	2000	2100	6G	934000
	446	587310	445420	366500	293970	181430	147460	150	105	1500	2000	2100	6G	934000
	529	536350	503040	410200	331430	204550	166260	150	105	1500	2000	1500	6E	934000
	306	401340	304660	247480	201030	124050	100790	150	125	1500	2000	2100	6G	934000
	399	483180	366770	297930	242020	149350	121350	150	125	1500	2000	2100	6G	934000
	481	550170	417600	339230	275560	170050	138170	132	125	1500	2000	1100	6C	934000
	512	575410	436760	354790	288200	177850	144510	125	125	1500	2000	1100	6C	934000
	617	655200	497290	403960	328150	202500	164540	120	125	1500	2000	1100	6C	934000
	732	536360	517290	420170	341290	210580	171050	113	125	1500	2000	850	6B	934000

