

3.5 Potenza termica

3.5 Thermal power

3.5 Thermische Leistung

I valori delle potenze termiche, P_{10} (kW), sono riportati nella tabella seguente, in funzione di grandezza, rapporto e velocità entrata del riduttore. I valori sono calcolati considerando l'utilizzo di olio sintetico ISO 320. Vedere paragrafo 1.4 per la scelta dei fattori correttivi.

The following table shows the values of thermal power P_{10} (kW) for each gearbox size on the basis of ratio and input speed. The values have been calculated considering the utilization of synthetic oil ISO 320. See chapter 1.4 for the corrective coefficients.

Die folgende Tabelle enthält die Werte P_{10} der thermischen Leistung (kW) je nach Getriebegröße und abhängig von Untersetzung und von Drehzahlen am Getriebeantrieb. Die angegebenen Werte beziehen sich auf Schmierung mit synthetischem Öl ISO 320. Im Abschnitt 1.4 finden Sie die Korrektorkoeffizienten.

Tab. 2

Potenza Termica / Thermal power / Thermische Leistung P_{10} [kW]												
	Z71A		Z90A		Z112A		Z140A		Z180A		Z225A	
i_n	1400	2800	1400	2800	1400	2800	1400	2800	1400	2800	1400	2800
5	5.5		10		16.5		28.5		49.6	47	93	67
6.3	5		8.6		14.5	15.4	24.8	25.8	-		-	
8	4		7		12	13	20.6	22	-		-	

	Z80B		Z100B		Z125B		Z160B		Z180B		Z200B	
i_n	1400	2800	1400	2800	1400	2800	1400	2800	1400	2800	1400	2800
8	-		-		-		-		55.7	53.4	75	65.2
10	7		12		20	21	37	37.6	49	48.3	69.4	61.8
12.5	6.5		10.8		18	19	32.7	33.4	43.6	43.4	61	55.3
16	5.8		9.8		16	17	29	30	36.6	40.2	51	54.7
20	5		8.7		14	15.5	25.6	28.6	33.2	36.7	48	51.7
25	5		7.8		12.8	14	23.4	26	30.5	33.5	43	46.8
31.5	4.6		7.4		12	13	21.6	23.7	27	29.5	39.4	42.4
40	4.2		7		11.2	12	20	21.6	25.2	27	-	
50	4		6.3		10.3	11	18.3	19.5	-		-	
63	3.5		5.7		9.4	10.2	16.6	18	-		-	

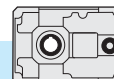
	Z80C		Z100C		Z125C		Z160C		Z180C		Z200C	
i_n	1400	2800	1400	2800	1400	2800	1400	2800	1400	2800	1400	2800
40	-		-		-		-		-		34.2	37.8
50	3.6		6		10	11	17.8	19.8	22.3	25.3	32.7	36
63	3.3		5.6		9.2	10.2	16.3	18.3	20.4	23.3	30.3	33
80	3.2		5.3		8.8	9.7	15.3	17	19.2	21.8	28.2	30.7
100	2.8		4.8		8	8.8	14	15.5	17.6	19.7	25.5	28.6
125	2.6		4.5		7.5	8.2	13	14.4	16.2	18.5	24	26.8
160	2.5		4.3		7.2	7.8	12.4	13.6	15.3	17	22.5	25
200	2.4		4		6.6	7.2	11.5	12.6	14.4	16	-	
250	2.4		3.8		6.3	7	11	12	13.4	14.7	-	

3.6 Dati tecnici

3.6 Technical data

3.6 Technische Daten

Z	$n_1 = 1400$			ZA	
	i_n	i_r	n_2 rpm	T_{2M} Nm	P kW
71A	5	5.09	275	270	8.0
	6.3	6.10	230	210	5.2
	8	7.88	177	180	3.5
90A	5	5.09	275	590	17.5
	6.3	6.10	230	480	11.9
	8	7.88	177	360	6.9
112A	5	5.09	275	1200	35.6
	6.3	6.10	230	1150	28.5
	8	7.88	177	780	14.9
140A	5	5.09	275	2350	69.8
	6.3	6.10	230	2150	53.3
	8	7.88	177	2100	40.2
180A	5	5.09	275	4800	142.5
225A	5	4.82	291	8600	270



3.6 Dati tecnici

3.6 Technical data

3.6 Technische Daten

Z	n ₁ = 1400			ZF				ZA	
	in	ir	n ₂ rpm	T ₂ Nm	P1 kW	FS'	IEC	T _{2M} Nm	P kW
80B	10	10.20	137	119	1.8	4.3	71 80 90	510	7.7
	12.5	12.98	108	151	1.8	3.8		570	6.8
	16	15.56	90	181	1.8	3.5		630	6.3
	20	20.36	69	238	1.8	2.9		700	5.3
	25	24.40	57	285	1.8	2.5		700	4.4
	31.5	31.05	45	362	1.8	1.7		630	3.1
	40	37.21	38	434	1.8	1.3		560	2.3
	50	48.12	29	468	1.5	1.1		520	1.7
63	62.23	22	444	1.1	1.2	520	1.3		
80C	50	52.51	27	600	1.8	1.1	63 71 80 90	660	2.0
	63	62.91	22	599	1.5	1.1		680	1.7
	80	80.08	17	559	1.1	1.3		710	1.4
	100	105.52	13	736	1.1	1.0		740	1.1
	125	126.43	11	740	0.9	1.0		740	0.90
	160	160.91	9	561	0.55	1.2		680	0.70
	200	208.11	7	700	0.55	1.0		700	0.55
	250	249.36	6	585	0.37	1.2		720	0.48
100B	10	10.20	137	364	5.5	2.9	71 80 90 100 112	1050	15.9
	12.5	12.98	108	462	5.5	2.5		1150	13.7
	16	15.56	90	554	5.5	2.3		1280	12.7
	20	20.36	69	723	5.5	2		1420	10.8
	25	24.40	57	875	5.5	1.6		1420	9.0
	31.5	31.05	45	1110	5.5	1.2		1290	6.4
	40	37.21	38	965	4	1.3		1220	5.1
	50	48.12	29	936	3	1.1		1060	3.4
63	62.23	22	887	2.2	1.2	1060	2.6		
100C	50	51.93	27	593	1.8	2.2	71 80 90	1300	4.0
	63	62.22	23	710	1.8	1.9		1350	3.4
	80	79.19	18	904	1.8	1.6		1410	2.8
	100	103.67	14	1184	1.8	1.2		1470	2.2
	125	124.22	11	1418	1.8	1.0		1480	1.9
	160	158.10	9	1103	1.1	1.2		1360	1.4
	200	204.46	7	1400	1.1	1.0		1400	1.1
	250	244.99	6	1399	0.9	1.0		1440	0.9
125B	10	10.20	137	608	9.2	3.5	80 90 100 112 132	2100	31.8
	12.5	12.98	108	774	9.2	3.0		2300	27.3
	16	15.56	90	927	9.2	2.7		2500	24.8
	20	20.36	69	1214	9.2	2.3		2850	21.6
	25	24.40	57	1455	9.2	2.0		2850	18.0
	31.5	31.05	45	1851	9.2	1.4		2550	12.7
	40	37.21	38	2218	9.2	1.1		2350	9.8
	50	48.12	29	2250	7.5	1.0		2250	7.5
63	62.23	22	2218	5.5	1.0	2250	5.6		
125C	50	51.93	27	1810	5.5	1.5	71 80 90 100 112	2650	8.0
	63	62.22	23	2124	5.5	1.3		2760	7.0
	80	79.19	18	2714	5.5	1.0		2880	5.7
	100	103.67	14	2631	4	1.1		3000	4.6
	125	124.22	11	2364	3	1.3		3000	3.8
	160	158.10	9	2206	2.2	1.2		2720	2.7
	200	204.46	7	2800	2.2	1.0		2800	2.2
	250	244.99	6	2798	1.8	1.0		2880	1.9

Z	n ₁ = 1400			ZF				ZA	
	in	ir	n ₂ rpm	T ₂ Nm	P1 kW	FS'	IEC	T _{2M} Nm	P kW
160B	10	10.20	137	1454	22	2.8	90 100 112 132 160 180	4000	60.5
	12.5	12.98	108	1851	22	2.4		4500	53.5
	16	15.56	90	2218	22	2.2		4900	48.6
	20	20.36	69	2903	22	1.9		5500	41.7
	25	24.40	57	3479	22	1.6		5500	34.8
	31.5	31.05	45	4427	22	1.2		5200	25.8
	40	37.21	38	4461	18.5	1.1		4700	19.5
	50	48.12	29	3430	11	1.3		4300	13.8
63	62.23	22	4300	11	1.0	4300	11.0		
160C	50	51.93	27	3031	9.2	1.7	80 90 100 112 132	5130	15.6
	63	62.22	23	3631	9.2	1.5		5350	13.6
	80	79.19	18	4622	9.2	1.2		5570	11.1
	100	103.67	14	5800	9.2	1.0		5800	9.2
	125	124.22	11	5800	7.5	1.0		5800	7.5
	160	158.10	9	5470	5.5	1.0		5470	5.5
	200	204.46	7	5188	4	1.1		5600	4.3
	250	244.99	6	4663	3	1.2		5760	3.7
180B	8	8.10	173	1155	22	4.4	80 90 100 112 132 160 180	5100	97.2
	10	10.38	135	1480	22	3.8		5650	84.0
	12.5	12.54	112	1787	22	3.5		6200	76.3
	16	16.17	87	2305	22	2.9		6750	64.4
	20	20.73	68	2955	22	2.5		7300	54.4
	25	25.03	56	3569	22	2.1		7450	45.9
	31.5	31.05	45	4427	22	1.7		7550	37.5
	40	35.07	40	5000	22	1.5		7550	33.2
180C	50	52.85	26	3085	9.2	2.4	80 90 100 112 132	7530	22.3
	63	63.33	22	3696	9.2	2.0		7560	18.8
	80	76.48	18	4464	9.2	1.7		7700	15.9
	100	94.89	15	5538	9.2	1.4		7650	12.7
	125	127.43	11	7437	9.2	1.0		7680	9.6
	160	158.10	9	7265	7.5	1.1		7830	8.1
	200	197.46	7	6890	5.5	1.1		7870	6.3
	250	244.99	6	7960	5.5	1.0		7960	5.5
200B	8	8.33	168	1619	30	4.6	132 160 180 200	7500	139
	10	10.00	140	1945	30	4.2		8200	127
	12.5	12.29	114	2389	30	3.8		9000	113
	16	16.63	84	3233	30	3.0		9800	90.9
	20	19.97	70	3883	30	2.7		10600	81.9
	25	24.53	57	4769	30	2.3		11000	69.2
31.5	30.04	47	5839	30	1.8	10700	55.0		
200C	40	42.41	33	5919	22	1.8	100 112 132 160 180	10900	40.5
	50	50.93	27	7108	22	1.5		11000	34.1
	63	62.55	22	8730	22	1.3		11350	28.6
	80	76.59	18	10690	22	1.0		11050	22.7
	100	101.68	14	11200	18.5	1.0		11200	18.5
	125	124.87	11	11500	15	1.0		11500	15.0
160	152.91	9	10671	11	1.0	11200	11.6		

Verifica termica necessaria / Thermal rating needed / Thermische - Prüfung erforderlich