



2.6 Prestazioni riduttori RI

2.6 RI Gearboxes performances

2.6 Leistungen der RI-Getriebe

RI 28

1.4

ir	n ₁ = 2800 min ⁻¹ ⚠				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				RMI	RMI...G
	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	IEC	
7	400	11	0.56	83	200	15	0.39	81	129	18	0.31	79	71	22	0.21	78	63-56	-
10	280	13	0.47	81	140	17	0.32	79	90	20	0.24	77	50	24	0.17	76		
15	187	14	0.35	78	93	18	0.23	75	60	20	0.17	73	33	24	0.12	71		
20	140	12	0.23	75	70	15	0.15	72	45	18	0.12	69	25	21	0.08	67		
28	100	15	0.23	69	50	19	0.16	64	32	21	0.12	61	17.9	25	0.08	58		
40	70	13	0.15	64	35	16	0.10	59	23	18	0.08	56	12.5	21	0.05	53		
49	57	12	0.12	61	29	15	0.08	56	18.4	17	0.06	52	10.2	20	0.04	49		
56	50	12	0.11	59	25	15	0.07	54	16.1	17	0.06	52	8.9	19	0.04	47		
70	40	11	0.08	55	20	13	0.06	49	12.9	15	0.04	46	7.1	17	0.03	43		
80	35	10	0.07	50	17.5	12	0.05	45	11.3	13	0.04	41	6.3	15	0.03	38		
100	28	9	0.06	47	14.0	10	0.04	41	9.0	10	0.02	38	5.0	11	0.02	35		

RI 40

2.1

ir	n ₁ = 2800 min ⁻¹ ⚠				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				RMI	RMI...G
	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	IEC	
7	400	27	1.3	84	200	37	0.93	83	129	44	0.73	81	71	54	0.50	80	71-63-56	71-63-56
10	280	31	1.1	83	140	42	0.76	81	90	49	0.58	79	50	59	0.40	78		
15	187	32	0.78	80	93	42	0.53	77	60	49	0.41	75	33	59	0.28	73		
20	140	29	0.56	76	70	37	0.37	73	45	43	0.29	70	25	51	0.20	67		
28	100	34	0.50	71	50	43	0.34	67	32	50	0.26	64	17.9	59	0.18	61		
40	70	32	0.36	65	35	40	0.24	60	23	45	0.19	56	12.5	53	0.13	53		
49	57	30	0.29	62	29	38	0.20	57	18.4	43	0.16	53	10.2	50	0.11	49		
56	50	28	0.24	60	25	36	0.17	54	16.1	40	0.13	51	8.9	47	0.09	47		
70	40	23	0.18	53	20	28	0.12	47	12.9	32	0.10	44	7.1	37	0.07	39		
80	35	21	0.15	50	17.5	26	0.11	44	11.3	29	0.09	40	6.3	34	0.06	36		
100	28	23	0.13	51	14.0	28	0.09	45	9.0	30	0.07	41	5.0	31	0.04	38		

RI 50

3.8

ir	n ₁ = 2800 min ⁻¹ ⚠				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				RMI	RMI...G
	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	IEC	
7	400	50	2.5	85	200	68	1.7	84	129	81	1.3	83	71	100	0.91	82	80-71	80-71-63
10	280	55	1.9	84	140	73	1.3	82	90	86	1.0	81	50	105	0.70	79		
15	187	58	1.4	82	93	76	0.93	80	60	89	0.71	79	33	106	0.48	77		
20	140	57	1.1	79	70	74	0.71	76	45	86	0.55	74	25	102	0.38	71		
28	100	62	0.88	74	50	80	0.60	70	32	92	0.46	67	17.9	109	0.32	64		
40	70	64	0.67	70	35	81	0.45	66	23	92	0.34	63	12.5	108	0.24	59		
49	57	57	0.51	67	29	72	0.34	63	18.4	82	0.27	59	10.2	96	0.19	55		
56	50	55	0.44	65	25	69	0.30	60	16.1	78	0.23	56	8.9	91	0.16	53		
70	40	52	0.36	61	20	64	0.24	56	12.9	72	0.19	52	7.1	84	0.13	48		
80	35	47	0.30	57	17.5	58	0.21	51	11.3	66	0.17	47	6.3	75	0.11	43		
100	28	42	0.23	54	14.0	52	0.16	48	9.0	59	0.13	44	5.0	60	0.08	40		

RI 63

6.0

ir	n ₁ = 2800 min ⁻¹ ⚠				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				RMI	RMI...G
	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %	IEC	
7	400	84	4.1	86	200	115	2.9	84	129	137	2.2	84	71	169	1.5	83	90-80-71	90-80-71
10	280	93	3.2	84	140	126	2.2	83	90	149	1.7	81	50	182	1.2	80		
15	187	98	2.3	82	93	131	1.6	80	60	153	1.2	78	33	184	0.85	76		
20	140	104	1.9	80	70	136	1.3	77	45	158	0.99	75	25	189	0.69	72		
28	100	105	1.5	75	50	135	1.0	71	32	156	0.77	68	17.9	186	0.54	65		
40	70	113	1.2	71	35	145	0.79	67	23	166	0.61	64	12.5	195	0.43	60		
49	57	98	0.85	69	29	125	0.58	64	18.4	142	0.45	61	10.2	166	0.31	57		
56	50	101	0.79	67	25	127	0.54	62	16.1	145	0.42	58	8.9	169	0.29	54		
70	40	94	0.62	63	20	117	0.42	58	12.9	133	0.33	54	7.1	154	0.23	50		
80	35	88	0.53	61	17.5	110	0.37	55	11.3	124	0.29	51	6.3	144	0.20	47		
100	28	80	0.41	57	14.0	99	0.28	51	9.0	112	0.22	47	5.0	125	0.15	43		





2.6 Prestazioni riduttori RI

2.6 RI Gearboxes performances

2.6 Leistungen der RI-Getriebe

RI 70



7.5

Table for RI 70 gearboxes showing performance metrics (n2, T2M, P, RD) for input speeds n1 = 2800, 1400, 900, and 500 min-1. Includes IEC and RMI/RMI...G columns.

RI 85



15

Table for RI 85 gearboxes showing performance metrics (n2, T2M, P, RD) for input speeds n1 = 2800, 1400, 900, and 500 min-1. Includes IEC and RMI/RMI...G columns.

RI 110



38

Table for RI 110 gearboxes showing performance metrics (n2, T2M, P, RD) for input speeds n1 = 2800, 1400, 900, and 500 min-1. Includes IEC and RMI/RMI...G columns.

RI 130



48

Table for RI 130 gearboxes showing performance metrics (n2, T2M, P, RD) for input speeds n1 = 2800, 1400, 900, and 500 min-1. Includes IEC and RMI/RMI...G columns.



2.6 Prestazioni riduttori RI

2.6 RI Gearboxes performances

2.6 Leistungen der RI-Getriebe

RI 150



77

ir	$n_1 = 2800 \text{ min}^{-1}$ ⚠				$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$				RMI	RMI...G
	n_2 min ⁻¹	T _{2M} Nm	P kW	RD %	n_2 min ⁻¹	T _{2M} Nm	P kW	RD %	n_2 min ⁻¹	T _{2M} Nm	P kW	RD %	n_2 min ⁻¹	T _{2M} Nm	P kW	RD %	IEC	
7	400	754	36	88	200	1070	25	88	129	1300	20	87	71	1630	14.2	86	160-132 112-100	—
10	280	850	29	87	140	1180	19.9	87	90	1420	15.6	86	50	1755	10.9	84		
15	187	935	22	85	93	1270	14.6	85	60	1500	11.4	83	33	1830	7.9	81		
20	140	1070	18.7	84	70	1430	12.5	84	45	1680	9.7	82	25	2040	6.8	79		
28	100	965	13.1	77	50	1280	8.8	76	32	1500	6.8	74	17.9	1810	4.8	71		
40	70	1070	10.3	76	35	1400	6.8	75	23	1630	5.3	73	12.5	1950	3.8	67		
49	57	1020	8.2	74	29	1320	5.6	71	18.4	1530	4.3	69	10.2	1800	3.0	65		
56	50	1018	7.2	74	25	1306	4.7	73	16.1	1500	3.7	68	8.9	1768	2.6	64		
70	40	927	5.5	70	20	1183	3.7	67	12.9	1355	2.9	63	7.1	1591	2.0	59		
80	35	896	4.8	69	17.5	1136	3.2	66	11.3	1297	2.5	62	6.3	1518	1.7	57		
100	28	818	3.6	66	14.0	1029	2.4	62	9.0	1169	1.9	58	5.0	1361	1.3	54		

RI 180



130

ir	$n_1 = 2800 \text{ min}^{-1}$ ⚠				$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$				RMI	RMI...G
	n_2 min ⁻¹	T _{2M} Nm	P kW	RD %	n_2 min ⁻¹	T _{2M} Nm	P kW	RD %	n_2 min ⁻¹	T _{2M} Nm	P kW	RD %	n_2 min ⁻¹	T _{2M} Nm	P kW	RD %	IEC	
7	400	1015	48	89	200	1510	36	89	129	1840	28	88	71	2320	20	86	180-160 132	—
10	280	1190	40	88	140	1650	27	88	90	1990	22	87	50	2470	15.2	85		
15	187	1315	30	86	93	1800	20	86	60	2140	15.8	85	33	2620	11.2	82		
20	140	1515	26	84	70	2037	17.8	84	45	2400	13.6	83	25	2910	9.5	80		
28	100	1400	18.3	80	50	1870	12.4	79	32	2200	9.6	77	17.9	2660	6.8	73		
40	70	1525	14.9	75	35	2000	9.8	75	23	2330	7.5	73	12.5	2790	5.3	69		
49	57	1600	12.9	74	29	2080	8.4	74	18.4	2415	6.5	72	10.2	2870	4.6	66		
56	50	1630	11.5	74	25	2103	7.5	73	16.1	2423	5.7	71	8.9	2864	4.1	66		
70	40	1482	8.6	72	20	1900	5.9	68	12.9	2182	4.5	66	7.1	2570	3.2	61		
80	35	1424	7.6	69	17.5	1816	5.0	67	11.3	2079	3.8	65	6.3	2440	2.7	59		
100	28	1281	5.8	65	14.0	1622	3.8	63	9.0	1850	2.9	61	5.0	2163	2.1	54		

I pesi riportati sono indicativi e possono variare in funzione della versione del riduttore.

Listed weights are for reference only and can vary according to the gearbox version.

Die angegebenen Gewichte sind Richtwerte und können je nach Getriebeversion etwas variieren.

N.B. Per i riduttori evidenziati dal doppio bordo nella colonna delle potenze è necessario verificare lo scambio termico del riduttore (come nel par. 1.7). Per maggiori informazioni contattare l'ufficio tecnico STM.

NOTE. Please pay attention to the frame around the input power value: for this gearboxes it's important to check the thermal capacity (comp. chapter 1.7). For details please contact our technical department.

HINWEIS. Sind in den Tabellen Nennleistungen eingerahmt, so ist die thermische Leistungsgrenze der Getriebe zu beachten (s. S. 1.7). Für weitere Informationen wenden Sie sich bitte an unser technisches Büro.

⚠ ATTENZIONE!

Per situazioni con velocità di ingresso particolari attenersi alla tabella sotto riportata che evidenzia situazioni critiche per ogni riduttore.

⚠ WARNING!

If in presence of non standard input speed please attain to the chart below considering extreme usage conditions for each gearbox.

⚠ ACHTUNG!

Mit unstandardisierte Antriebsgeschwindigkeit bitte auf folgende Liste Bezug nehmen in Betrachtung der schwierigen Arbeitsbedingungen fuer jede Getriebe.

	UI - RI											
	28	40	50	63	70	75	85	90	110	130	150	180
1500 < n_1 < 3000	OK	OK	OK									
$n_1 > 3000$	Contattare il ns. servizio tecnico Contact our technical dept Wenden Sie sich an unseren technischen Service											



2.6 Prestazioni riduttori CRI

2.6 CRI gearboxes performances

2.6 Leistungen der CRI-Getriebe

CRI 28/28



2.8

ir	$i_1 \times i_2$	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		n_2 min^{-1}	T_{2M} Nm	P kW	RD %		
140	7x20	10.0	27	0.05	52	63 - 56	—
200	10x20	7.0	27	0.04	49		
280	10x28	5.0	27	0.03	42		
400	20x20	3.5	27	0.02	44		
600	15x40	2.3	27	0.02	35		
980	49x20	1.4	27	0.01	34		
1372	49x28	1.0	27	0.01	28		
1960	49x40	0.71	27	0.01	25		
2800	70x40	0.50	27	0.01	21		
4000	100x40	0.35	27	0.01	17		
5600	100x56	0.25	27	0.01	15	56	—
7000	100x70	0.20	20	0.01	13		
8000	100x80	0.18	16	0.01	11		
10000	100x100	0.14	12	0.01	10		

CRI 28/40



3.5

ir	$i_1 \times i_2$	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		n_2 min^{-1}	T_{2M} Nm	P kW	RD %		
140	7x20	10.0	64	0.13	51	63 - 56	—
200	10x20	7.0	70	0.10	49		
280	10x28	5.0	70	0.08	43		
400	20x20	3.5	70	0.06	43		
600	15x40	2.3	70	0.05	33		
980	49x20	1.4	70	0.03	32		
1372	49x28	1.0	70	0.03	29		
1960	49x40	0.71	70	0.02	24		
2800	70x40	0.50	70	0.02	20		
4000	100x40	0.35	70	0.02	16		
5600	100x56	0.25	65	0.01	14	56	—
7000	100x70	0.20	50	0.01	11		
8000	100x80	0.18	45	0.01	10		
10000	100x100	0.14	35	0.01	11		

CRI 40/40



4.2

ir	$i_1 \times i_2$	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		n_2 min^{-1}	T_{2M} Nm	P kW	RD %		
140	7x20	10.0	64	0.13	52	71-63-56	—
200	10x20	7.0	70	0.10	50		
280	10x28	5.0	70	0.08	45		
400	20x20	3.5	70	0.06	44		
600	15x40	2.3	70	0.05	34		
980	49x20	1.4	70	0.03	33		
1372	49x28	1.0	70	0.03	29		
1960	49x40	0.71	70	0.02	24		
2800	70x40	0.50	70	0.02	19		
4000	100x40	0.35	70	0.01	18		
5600	100x56	0.25	65	0.01	15	63-56	71-63-56
7000	100x70	0.20	50	0.01	12		
8000	100x80	0.18	45	0.01	11		
10000	100x100	0.14	35	0.01	12		

CRI 28/50



5.2

ir	$i_1 \times i_2$	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		n_2 min^{-1}	T_{2M} Nm	P kW	RD %		
140	7x20	10.0	110	0.21	54	63 - 56	—
200	10x20	7.0	110	0.15	52		
280	10x28	5.0	110	0.13	46		
400	20x20	3.5	110	0.09	46		
600	15x40	2.3	110	0.07	38		
980	49x20	1.4	110	0.05	35		
1372	49x28	1.0	110	0.04	30		
1960	49x40	0.71	110	0.03	27		
2800	70x40	0.50	110	0.02	24		
4000	100x40	0.35	110	0.02	19		
5600	100x56	0.25	110	0.02	16	56	—
7000	100x70	0.20	110	0.02	15		
8000	100x80	0.18	75	0.01	12		
10000	100x100	0.14	60	0.01	11		

CRI 40/50



5.9

ir	$i_1 \times i_2$	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		n_2 min^{-1}	T_{2M} Nm	P kW	RD %		
140	7x20	10.0	110	0.21	56	71-63-56	—
200	10x20	7.0	110	0.15	53		
280	10x28	5.0	110	0.12	47		
400	20x20	3.5	110	0.09	47		
600	15x40	2.3	110	0.07	39		
980	49x20	1.4	110	0.05	36		
1372	49x28	1.0	110	0.04	30		
1960	49x40	0.71	110	0.03	28		
2800	70x40	0.50	110	0.03	23		
4000	100x40	0.35	110	0.02	21		
5600	100x56	0.25	110	0.02	18	63 - 56	71-63-56
7000	100x70	0.20	110	0.01	16		
8000	100x80	0.18	75	0.01	14		
10000	100x100	0.14	60	0.01	13		

CRI 28/63



7.4

ir	$i_1 \times i_2$	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		n_2 min^{-1}	T_{2M} Nm	P kW	RD %		
140	7x20	10.0	207	0.34	56	63 - 56	—
200	10x20	7.0	228	0.31	53		
280	10x28	5.0	250	0.29	46		
400	20x20	3.5	192	0.20	46		
600	15x40	2.3	250	0.16	38		
980	49x20	1.4	189	0.11	35		
1372	49x28	1.0	223	0.07	30		
1960	49x40	0.71	223	0.06	27		
2800	70x40	0.50	244	0.06	23		
4000	100x40	0.35	188	0.04	19		
5600	100x56	0.25	230	0.04	16	56	—
7000	100x70	0.20	220	0.03	15		
8000	100x80	0.18	200	0.03	14		
10000	100x100	0.14	140	0.02	12		



2.6 Prestazioni riduttori CRI

2.6 CRI gearboxes performances

2.6 Leistungen der CRI-Getriebe

CRI 40/63

Kg 8.1

ir	i_1x_{i2}	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		$n_2 \text{ min}^{-1}$	$T_{2M} \text{ Nm}$	P kW	RD %		
140	7x20	10.0	238	0.44	57	71 - 63 - 56	71 - 63 56
200	10x20	7.0	250	0.34	54		
280	10x28	5.0	250	0.28	47		
400	20x20	3.5	250	0.20	47		
600	15x40	2.3	250	0.16	39		
980	49x20	1.4	250	0.10	36		
1372	49x28	1.0	250	0.09	30		
1960	49x40	0.71	250	0.07	27		
2800	70x40	0.50	250	0.06	22		
4000	100x40	0.35	250	0.04	21		
5600	100x56	0.25	250	0.04	18		
7000	100x70	0.20	220	0.03	16		
8000	100x80	0.18	200	0.02	15		
10000	100x100	0.14	140	0.02	13		

CRI 28/70

Kg 14.4

ir	i_1x_{i2}	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		$n_2 \text{ min}^{-1}$	$T_{2M} \text{ Nm}$	P kW	RD %		
140	7x20	10.0	207	0.34	55	63 - 56	—
200	10x20	7.0	228	0.30	53		
280	10x28	5.0	271	0.28	45		
400	20x20	3.5	192	0.20	46		
600	15x40	2.3	316	0.20	38		
980	49x20	1.4	189	0.11	35		
1372	49x28	1.0	223	0.08	29		
1960	49x40	0.71	288	0.08	27		
2800	70x40	0.50	244	0.04	25		
4000	100x40	0.35	188	0.04	18		
5600	100x56	0.25	230	0.05	16		
7000	100x70	0.20	245	0.03	14		
8000	100x80	0.18	256	0.04	13		
10000	100x100	0.14	190	0.02	12		

CRI 40/70

Kg 16.1

ir	i_1x_{i2}	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		$n_2 \text{ min}^{-1}$	$T_{2M} \text{ Nm}$	P kW	RD %		
140	7x20	10.0	266	0.49	56	71 - 63 - 56	71 - 63 56
200	10x20	7.0	290	0.39	54		
280	10x28	5.0	290	0.33	46		
400	20x20	3.5	320	0.25	47		
600	15x40	2.3	316	0.20	39		
980	49x20	1.4	320	0.14	35		
1372	49x28	1.0	320	0.12	30		
1960	49x40	0.71	320	0.09	27		
2800	70x40	0.50	320	0.08	22		
4000	100x40	0.35	320	0.06	20		
5600	100x56	0.25	300	0.04	18		
7000	100x70	0.20	290	0.04	15		
8000	100x80	0.18	270	0.04	14		
10000	100x100	0.14	190	0.02	13		

CRI 50/70

Kg 16.8

ir	i_1x_{i2}	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		$n_2 \text{ min}^{-1}$	$T_{2M} \text{ Nm}$	P kW	RD %		
140	7x20	10.0	266	0.49	57	80 - 71	80 - 71 63
200	10x20	7.0	290	0.39	55		
280	10x28	5.0	290	0.32	47		
400	20x20	3.5	320	0.24	49		
600	15x40	2.3	316	0.19	41		
980	49x20	1.4	320	0.12	39		
1372	49x28	1.0	320	0.10	33		
1960	49x40	0.71	320	0.08	30		
2800	70x40	0.50	320	0.06	26		
4000	100x40	0.35	320	0.05	22		
5600	100x56	0.25	300	0.04	19		
7000	100x70	0.20	290	0.04	16		
8000	100x80	0.18	270	0.03	15		
10000	100x100	0.14	190	0.02	14		

CRI 63/70

Kg 19.0

ir	i_1x_{i2}	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		$n_2 \text{ min}^{-1}$	$T_{2M} \text{ Nm}$	P kW	RD %		
140	7x20	10.0	266	0.49	57	90 - 80 - 71	90 - 80 71
200	10x20	7.0	290	0.38	56		
280	10x28	5.0	290	0.32	47		
400	20x20	3.5	320	0.25	47		
600	15x40	2.3	316	0.19	41		
980	49x20	1.4	320	0.12	40		
1372	49x28	1.0	320	0.10	33		
1960	49x40	0.71	320	0.08	31		
2800	70x40	0.50	320	0.06	27		
4000	100x40	0.35	320	0.05	23		
5600	100x56	0.25	300	0.04	20		
7000	100x70	0.20	290	0.04	17		
8000	100x80	0.18	270	0.03	16		
10000	100x100	0.14	190	0.02	15		

CRI 40/85

Kg 21

ir	i_1x_{i2}	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		$n_2 \text{ min}^{-1}$	$T_{2M} \text{ Nm}$	P kW	RD %		
140	7x20	10.0	500	0.89	59	71 - 63 - 56	71 - 63 56
200	10x20	7.0	500	0.66	56		
280	10x28	5.0	500	0.57	46		
400	20x20	3.5	500	0.37	49		
600	15x40	2.3	500	0.31	40		
980	49x20	1.4	500	0.20	37		
1372	49x28	1.0	500	0.18	29		
1960	49x40	0.71	500	0.14	27		
2800	70x40	0.50	500	0.12	22		
4000	100x40	0.35	500	0.09	21		
5600	100x56	0.25	500	0.07	19		
7000	100x70	0.20	460	0.06	17		
8000	100x80	0.18	460	0.05	16		
10000	100x100	0.14	350	0.04	14		

2.6 Prestazioni riduttori CRI

2.6 CRI gearboxes performances

2.6 Leistungen der CRI-Getriebe

CRI 50/85

Kg 23

ir	i ₁ x _{i2}	n ₁ = 1400 min ⁻¹				CRMI	CRMI...G
		n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %		
140	7x20	10.0	500	0.88	60	80 - 71	80 - 71
200	10x20	7.0	500	0.65	57		
280	10x28	5.0	500	0.56	47		
400	20x20	3.5	500	0.36	51		
600	15x40	2.3	500	0.29	42		
980	49x20	1.4	500	0.18	41		
1372	49x28	1.0	500	0.17	32	80 - 71 63	
1960	49x40	0.71	500	0.12	30		
2800	70x40	0.50	500	0.10	26		
4000	100x40	0.35	500	0.08	22		
5600	100x56	0.25	500	0.06	21	71 - 63	
7000	100x70	0.20	460	0.05	18		
8000	100x80	0.18	460	0.05	17		
10000	100x100	0.14	350	0.04	14		

CRI 63/85

Kg 25

ir	i ₁ x _{i2}	n ₁ = 1400 min ⁻¹				CRMI	CRMI...G
		n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %		
140	7x20	10.0	500	0.88	60	90 - 80 - 71	90 - 80 71
200	10x20	7.0	500	0.64	57		
280	10x28	5.0	500	0.55	47		
400	20x20	3.5	500	0.35	52		
600	15x40	2.3	500	0.29	42		
980	49x20	1.4	500	0.18	42		
1372	49x28	1.0	500	0.16	33	71 - 80	
1960	49x40	0.71	500	0.12	31		
2800	70x40	0.50	500	0.10	27		
4000	100x40	0.35	500	0.08	23		
5600	100x56	0.25	500	0.06	22		
7000	100x70	0.20	460	0.05	19		
8000	100x80	0.18	460	0.05	18		
10000	100x100	0.14	350	0.03	15		

CRI 70/85

Kg 32

ir	i ₁ x _{i2}	n ₁ = 1400 min ⁻¹				CRMI	CRMI...G
		n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %		
140	7x20	10.0	500	0.87	60	100-90-80	—
200	10x20	7.0	500	0.64	57		
280	10x28	5.0	500	0.55	47		
400	20x20	3.5	500	0.36	52		
600	15x40	2.3	500	0.29	42		
980	49x20	1.4	500	0.18	42		
1372	49x28	1.0	500	0.16	33	80 - 71	
1960	49x40	0.71	500	0.12	31		
2800	70x40	0.50	500	0.10	27		
4000	100x40	0.35	500	0.08	23		
5600	100x56	0.25	500	0.06	22		
7000	100x70	0.20	460	0.05	19		
8000	100x80	0.18	460	0.05	18		
10000	100x100	0.14	350	0.03	15		

CRI 50/110

Kg 42

ir	i ₁ x _{i2}	n ₁ = 1400 min ⁻¹				CRMI	CRMI...G
		n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %		
140	7x20	10.0	1000	1.7	60	80 - 71	80 - 71 - 63
200	10x20	7.0	1000	1.3	58		
280	10x28	5.0	1000	1.0	50		
400	20x20	3.5	1000	0.71	52		
600	15x40	2.3	1000	0.56	44		
980	49x20	1.4	1000	0.37	41		
1372	49x28	1.0	1000	0.31	34	71 - 63	
1960	49x40	0.71	1000	0.24	32		
2800	70x40	0.50	1000	0.19	27		
4000	100x40	0.35	1000	0.16	23		
5600	100x56	0.25	1000	0.12	21		
7000	100x70	0.20	960	0.11	19		
8000	100x80	0.18	860	0.09	18		
10000	100x100	0.14	700	0.06	16		

CRI 63/110

Kg 44

ir	i ₁ x _{i2}	n ₁ = 1400 min ⁻¹				CRMI	CRMI...G
		n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %		
140	7x20	10.0	1000	1.7	60	90 - 80 - 71	90 - 80 71
200	10x20	7.0	1000	1.2	59		
280	10x28	5.0	1000	1.0	51		
400	20x20	3.5	1000	0.70	52		
600	15x40	2.3	1000	0.56	44		
980	49x20	1.4	1000	0.36	42		
1372	49x28	1.0	1000	0.31	35	80 - 71	
1960	49x40	0.71	1000	0.23	32		
2800	70x40	0.50	1000	0.18	28		
4000	100x40	0.35	1000	0.15	24		
5600	100x56	0.25	1000	0.12	22		
7000	100x70	0.20	960	0.10	20		
8000	100x80	0.18	860	0.08	19		
10000	100x100	0.14	700	0.06	17		

CRI 70/110

Kg 51

ir	i ₁ x _{i2}	n ₁ = 1400 min ⁻¹				CRMI	CRMI...G
		n ₂ min ⁻¹	T _{2M} Nm	P kW	RD %		
140	7x20	10.0	1000	1.7	61	100-90-80	—
200	10x20	7.0	1000	1.2	59		
280	10x28	5.0	1000	1.0	51		
400	20x20	3.5	1000	0.70	52		
600	15x40	2.3	1000	0.56	44		
980	49x20	1.4	1000	0.36	42		
1372	49x28	1.0	1000	0.31	35	80 - 71	
1960	49x40	0.71	1000	0.23	32		
2800	70x40	0.50	1000	0.19	28		
4000	100x40	0.35	1000	0.15	24		
5600	100x56	0.25	1000	0.12	22		
7000	100x70	0.20	960	0.10	20		
8000	100x80	0.18	860	0.08	19		
10000	100x100	0.14	700	0.06	17		



2.6 Prestazioni riduttori CRI

2.6 CRI gearboxes performances

2.6 Leistungen der CRI-Getriebe

CRI 85/110



57

ir	i_1x_{i2}	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		n_2 min^{-1}	T_{2M} Nm	P kW	RD %		
140	7x20	10.0	1000	1.7	61	112-100 90	-
200	10x20	7.0	1000	1.2	60		
280	10x28	5.0	1000	1.0	51		
400	20x20	3.5	1000	0.68	54		
600	15x40	2.3	1000	0.55	45		
980	49x20	1.4	1000	0.35	42		
1372	49x28	1.0	1000	0.30	35		
1960	49x40	0.71	1000	0.23	33		
2800	70x40	0.50	1000	0.18	30		
4000	100x40	0.35	1000	0.14	25		
5600	100x56	0.25	1000	0.11	23		
7000	100x70	0.20	960	0.10	21		
8000	100x80	0.18	860	0.08	20		
10000	100x100	0.14	700	0.06	17	90 - 80	

CRI 63/130



54

ir	i_1x_{i2}	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		n_2 min^{-1}	T_{2M} Nm	P kW	RD %		
140	7x20	10.0	1660	2.8	61	90 - 80 - 71	-
200	10x20	7.0	1800	2.2	59		
280	10x28	5.0	1600	1.7	51		
400	20x20	3.5	1800	1.3	51		
600	15x40	2.3	1800	1.0	43		
980	49x20	1.4	1800	0.64	42		
1372	49x28	1.0	1800	0.56	35		
1960	49x40	0.71	1800	0.42	32		
2800	70x40	0.50	1800	0.34	28		
4000	100x40	0.35	1800	0.28	24		
5600	100x56	0.25	1700	0.19	23		
7000	100x70	0.20	1700	0.17	20		
8000	100x80	0.18	1600	0.15	20		
10000	100x100	0.14	1250	0.11	17	80 - 71	90 - 80 71

CRI 70/130



61

ir	i_1x_{i2}	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		n_2 min^{-1}	T_{2M} Nm	P kW	RD %		
140	7x20	10.0	1660	2.8	62	100-90-80	-
200	10x20	7.0	1800	2.2	59		
280	10x28	5.0	1600	1.7	51		
400	20x20	3.5	1800	1.2	53		
600	15x40	2.3	1800	1.0	43		
980	49x20	1.4	1800	0.64	42		
1372	49x28	1.0	1800	0.56	35		
1960	49x40	0.71	1800	0.42	32		
2800	70x40	0.50	1800	0.34	27		
4000	100x40	0.35	1800	0.28	24		
5600	100x56	0.25	1700	0.19	23		
7000	100x70	0.20	1700	0.17	20		
8000	100x80	0.18	1600	0.15	20		
10000	100x100	0.14	1250	0.11	17	90 - 80	

CRI 85/130



67

ir	i_1x_{i2}	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		n_2 min^{-1}	T_{2M} Nm	P kW	RD %		
140	7x20	10.0	1660	2.8	62	112-100 90	-
200	10x20	7.0	1800	2.2	60		
280	10x28	5.0	1600	1.6	51		
400	20x20	3.5	1800	1.2	55		
600	15x40	2.3	1800	1.0	44		
980	49x20	1.4	1800	0.63	43		
1372	49x28	1.0	1800	0.55	35		
1960	49x40	0.71	1800	0.41	33		
2800	70x40	0.50	1800	0.32	29		
4000	100x40	0.35	1800	0.26	25		
5600	100x56	0.25	1700	0.19	24		
7000	100x70	0.20	1700	0.17	21		
8000	100x80	0.18	1600	0.14	21		
10000	100x100	0.14	1250	0.10	18	90 - 80	

CRI 85/150



96

ir	i_1x_{i2}	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		n_2 min^{-1}	T_{2M} Nm	P kW	RD %		
140	7x20	10.0	2620	4.3	64	112-100 90	-
200	10x20	7.0	2850	3.4	61		
280	10x28	5.0	2510	2.5	53		
400	20x20	3.5	2900	1.9	55		
600	15x40	2.3	2880	1.6	45		
980	49x20	1.4	2900	0.98	44		
1372	49x28	1.0	2900	0.84	37		
1960	49x40	0.71	2900	0.64	34		
2800	70x40	0.50	2900	0.50	31		
4000	100x40	0.35	2900	0.42	25		
5600	100x56	0.25	2900	0.30	25		
7000	100x70	0.20	2600	0.25	22		
8000	100x80	0.18	2600	0.23	21		
10000	100x100	0.14	1950	0.15	19	90 - 80	

CRI 110/150



115

ir	i_1x_{i2}	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		n_2 min^{-1}	T_{2M} Nm	P kW	RD %		
140	7x20	10.0	2620	4.3	65	132-112-100	-
200	10x20	7.0	2850	3.4	62		
280	10x28	5.0	2510	2.5	54		
400	20x20	3.5	2900	1.9	57		
600	15x40	2.3	2880	1.5	46		
980	49x20	1.4	2900	0.92	47		
1372	49x28	1.0	2900	0.79	39		
1960	49x40	0.71	2900	0.60	36		
2800	70x40	0.50	2900	0.47	32		
4000	100x40	0.35	2900	0.39	27		
5600	100x56	0.25	2900	0.28	27		
7000	100x70	0.20	2600	0.23	23		
8000	100x80	0.18	2600	0.21	22		
10000	100x100	0.14	1950	0.14	21	112-100-90	



2.6 Prestazioni riduttori CRI

2.6 CRI gearboxes performances

2.6 Leistungen der CRI-Getriebe

CRI 85/180



149

ir	$i_1 \times i_2$	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		n_2 min^{-1}	T_{2M} Nm	P kW	RD %		
140	7x20	10.0	3750	6.1	65	112-100 90	-
200	10x20	7.0	4095	4.8	62		
280	10x28	5.0	3700	3.5	55		
400	20x20	3.5	4400	3.0	56		
600	15x40	2.3	4160	2.2	46		
980	49x20	1.4	3850	1.6	44		
1372	49x28	1.0	4600	1.3	38		
1960	49x40	0.71	4600	1.0	34		
2800	70x40	0.50	3900	0.67	31		
4000	100x40	0.35	4250	0.62	26		
5600	100x56	0.25	4600	0.48	25	90 - 80	-
7000	100x70	0.20	4600	0.44	22		
8000	100x80	0.18	4200	0.37	21		
10000	100x100	0.14	3300	0.26	19		

CRI 110/180



168

ir	$i_1 \times i_2$	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		n_2 min^{-1}	T_{2M} Nm	P kW	RD %		
140	7x20	10.0	3750	6.0	65	132-112-100	-
200	10x20	7.0	4095	4.8	63		
280	10x28	5.0	3700	3.5	55		
400	20x20	3.5	4600	2.9	58		
600	15x40	2.3	4160	2.2	47		
980	49x20	1.4	4600	1.5	47		
1372	49x28	1.0	4600	1.2	40		
1960	49x40	0.71	4600	0.96	36		
2800	70x40	0.50	4600	0.75	32		
4000	100x40	0.35	4600	0.60	28		
5600	100x56	0.25	4600	0.45	27	112-100-90	-
7000	100x70	0.20	4600	0.41	23		
8000	100x80	0.18	4200	0.35	22		
10000	100x100	0.14	3300	0.24	20		

CRI 130/180



178

ir	$i_1 \times i_2$	$n_1 = 1400 \text{ min}^{-1}$				CRMI	CRMI...G
		n_2 min^{-1}	T_{2M} Nm	P kW	RD %		
140	7x20	10.0	3750	5.9	67	132-112-100	-
200	10x20	7.0	4095	4.7	64		
280	10x28	5.0	3700	3.4	57		
400	20x20	3.5	4600	2.9	59		
600	15x40	2.3	4160	2.1	48		
980	49x20	1.4	4600	1.4	48		
1372	49x28	1.0	4600	1.2	41		
1960	49x40	0.71	4600	0.95	36		
2800	70x40	0.50	4600	0.72	34		
4000	100x40	0.35	4600	0.58	29		
5600	100x56	0.25	4600	0.43	28		
7000	100x70	0.20	4600	0.40	24		
8000	100x80	0.18	4200	0.33	23		
10000	100x100	0.14	3300	0.23	21		

I pesi riportati sono indicativi e possono variare in funzione della versione del riduttore.

Listed weights are for reference only and can vary according to the gearbox version.

Die angegebenen Gewichte sind Richtwerte und können sich je nach Getriebeversion ändern.



2.6 Prestazioni riduttori CR

2.6 CR gearboxes performances

2.6 Leistungen der CR-Getriebe

CR 40



3.5

ir	i ₁ Xi ₂	n ₁ = 2800 min ⁻¹				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				IEC
		n ₂	T _{2M}	P	RD	n ₂	T _{2M}	P	RD	n ₂	T _{2M}	P	RD	n ₂	T _{2M}	P	RD	
		min ⁻¹	Nm	kW	%	min ⁻¹	Nm	kW	%	min ⁻¹	Nm	kW	%	min ⁻¹	Nm	kW	%	
44.3	2.9x15	63	49	0.43	75	32	59	0.27	73	20	65	0.19	71	11.3	70	0.12	69	63-56
50.5	3.4X15	55	49	0.38	75	28	59	0.23	73	17.8	65	0.17	71	9.9	70	0.11	68	
58.2	3.9X15	48	52	0.35	75	24	65	0.23	71	15.5	70	0.16	69	8.6	70	0.09	68	
68.0	4.5X15	41	56	0.32	74	21	65	0.20	71	13.2	70	0.14	69	7.4	70	0.08	66	
82.7	3.0X28	34	50	0.28	64	16.9	59	0.17	61	10.9	65	0.13	59	6.0	70	0.08	56	
108.7	3.9X28	26	52	0.22	63	12.9	65	0.15	59	8.3	70	0.11	56	4.6	70	0.06	55	
126.9	4.5X28	22	56	0.21	62	11.0	65	0.13	59	7.1	70	0.09	56	3.9	70	0.06	52	
165.1	3.4X49	17.0	43	0.14	53	8.5	50	0.09	49	5.5	56	0.07	45	3.0	65	0.05	43	
222.1	4.5X49	12.6	48	0.12	51	6.3	56	0.08	47	4.1	61	0.06	44	2.3	70	0.04	41	
295.2	3.0X100	9.5	30	0.07	41	4.7	31	0.04	38	3.0	33	0.03	36	1.7	34	0.02	34	
336.8	3.4X100	8.3	30	0.06	41	4.2	31	0.04	38	2.7	33	0.03	35	1.5	35	0.02	33	
388.2	3.9X100	7.2	30	0.06	41	3.6	33	0.03	36	2.3	34	0.02	34	1.3	35	0.01	33	
453.0	4.5X100	6.2	31	0.05	40	3.1	33	0.03	36	2.0	34	0.02	33	1.1	35	0.01	31	

CR 50



5

ir	i ₁ Xi ₂	n ₁ = 2800 min ⁻¹				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				IEC
		n ₂	T _{2M}	P	RD	n ₂	T _{2M}	P	RD	n ₂	T _{2M}	P	RD	n ₂	T _{2M}	P	RD	
		min ⁻¹	Nm	kW	%	min ⁻¹	Nm	kW	%	min ⁻¹	Nm	kW	%	min ⁻¹	Nm	kW	%	
48.3	3.2x15	58	89	0.68	79	29	106	0.42	77	18.6	108	0.28	75	10.4	110	0.16	73	71-63-56
52.1	3.5X15	54	94	0.67	79	27	108	0.40	76	17.3	110	0.27	74	9.6	110	0.15	73	
61.0	4.1X15	46	94	0.57	79	23	108	0.34	76	14.8	110	0.23	74	8.2	110	0.13	73	
73.3	2.6X28	38	92	0.55	67	19.1	109	0.34	64	12.3	110	0.23	62	6.8	110	0.13	59	
90.2	3.2X28	31	92	0.45	67	15.5	109	0.28	64	10.0	110	0.19	59	5.5	110	0.11	58	
97.2	3.5X28	29	97	0.44	66	14.4	110	0.27	62	9.3	110	0.18	59	5.1	110	0.10	58	
113.9	4.1X28	25	97	0.38	66	12.3	110	0.23	62	7.9	110	0.15	59	4.4	110	0.09	58	
170.1	3.5X49	16.5	86	0.26	58	8.2	103	0.17	53	5.3	110	0.12	50	2.9	110	0.07	49	
199.3	4.1X49	14.0	86	0.22	58	7.0	103	0.14	53	4.5	110	0.10	50	2.5	110	0.06	49	
261.9	2.8X100	10.7	59	0.15	44	5.3	60	0.08	40	3.4	60	0.06	38	1.9	60	0.03	35	
289.5	5.9x49	9.7	96	0.21	47	4.8	110	0.11	50	3.1	110	0.07	49	1.7	110	0.04	47	
347.0	3.5X100	8.1	60	0.12	43	4.0	60	0.07	38	2.6	60	0.05	35	1.4	60	0.03	34	
406.7	4.1X100	6.9	60	0.10	43	3.4	60	0.06	38	2.2	60	0.04	35	1.2	60	0.02	34	
590.9	5.9x100	4.7	60	0.07	40	2.4	60	0.04	35	1.5	60	0.03	34	0.8	60	0.02	32	

CR 70



16

ir	i ₁ Xi ₂	n ₁ = 2800 min ⁻¹				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				IEC
		n ₂	T _{2M}	P	RD	n ₂	T _{2M}	P	RD	n ₂	T _{2M}	P	RD	n ₂	T _{2M}	P	RD	
		min ⁻¹	Nm	kW	%	min ⁻¹	Nm	kW	%	min ⁻¹	Nm	kW	%	min ⁻¹	Nm	kW	%	
44.3	2.95x15	63	170	1.4	78	32	205	0.89	76	20	234	0.67	74	11.3	263	0.43	72	90-80-71-63
50.8	3.4X15	55	170	1.3	78	28	205	0.78	76	17.7	234	0.59	73	9.8	290	0.43	70	
59.1	3.9X15	47	181	1.2	78	24	234	0.78	74	15.2	263	0.58	72	8.5	290	0.37	70	
69.6	4.6X15	40	193	1.1	77	20	234	0.67	74	12.9	263	0.49	72	7.2	312	0.34	69	
82.6	2.95X28	34	170	0.89	68	16.9	202	0.56	64	10.9	228	0.42	62	6.1	254	0.27	59	
110.3	3.9X28	25	180	0.71	67	12.7	228	0.49	62	8.2	254	0.37	59	4.5	290	0.24	57	
130.0	4.6X28	22	191	0.66	66	10.8	228	0.42	62	6.9	254	0.31	59	3.8	298	0.22	55	
166.1	3.4X49	16.9	190	0.56	60	8.4	223	0.35	56	5.4	250	0.28	51	3.0	290	0.19	48	
227.5	4.6X49	12.3	212	0.48	57	6.2	250	0.30	53	4.0	276	0.23	50	2.2	320	0.16	46	
295.0	2.95x100	9.5	144	0.30	47	4.7	166	0.19	43	3.1	175	0.14	40	1.7	183	0.09	37	
302.9	6.2X49	9.2	223	0.42	51	4.6	276	0.27	49	3.0	290	0.19	47	1.7	320	0.12	46	
338.9	3.4X100	8.3	144	0.27	47	4.1	166	0.17	43	2.7	175	0.13	38	1.5	188	0.08	36	
393.8	3.9X100	7.1	151	0.24	46	3.6	175	0.16	40	2.3	183	0.12	37	1.3	188	0.07	36	
464.3	4.6X100	6.3	159	0.23	45	3.1	175	0.14	40	2.0	183	0.10	37	1.1	190	0.07	34	
618.2	6.2x100	4.5	166	0.18	43	2.3	183	0.12	36	1.5	188	0.08	35	0.8	190	0.05	34	

2.6 Prestazioni riduttori CR

2.6 CR gearboxes performances

2.6 Leistungen der CR-Getriebe

CR 85



36

ir	i ₁ x _{i2}	n ₁ = 2800 min ⁻¹				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				IEC
		n ₂	T _{2M}	P	RD	n ₂	T _{2M}	P	RD	n ₂	T _{2M}	P	RD	n ₂	T _{2M}	P	RD	
		min ⁻¹	Nm	kW	%	min ⁻¹	Nm	kW	%	min ⁻¹	Nm	kW	%	min ⁻¹	Nm	kW	%	
43.0	2.9x15	65	333	2.9	79	33	403	1.8	77	21	452	1.3	75	11.6	500	0.83	73	90-80-71-63
51.3	3.4X15	55	333	2.4	79	27	403	1.5	77	17.5	500	1.3	73	9.7	500	0.72	71	
59.1	3.9X15	47	354	2.2	79	24	452	1.5	75	15.2	500	1.1	73	8.5	500	0.62	71	
69.0	4.6X15	41	379	2.1	78	20	452	1.3	75	13.0	500	0.94	73	7.2	500	0.55	69	
80.2	2.9X28	35	319	1.7	69	17.5	381	1.1	65	11.2	431	0.82	62	6.2	480	0.53	59	
110.4	3.9X28	25	338	1.3	68	12.7	431	0.92	62	8.2	480	0.69	59	4.5	500	0.42	57	
128.8	4.6X28	22	360	1.2	67	10.9	431	0.79	62	7.0	480	0.60	59	3.9	500	0.37	55	
167.6	3.4X49	16.7	329	0.93	62	8.4	387	0.58	58	5.4	480	0.52	52	3.0	500	0.31	50	
225.4	4.6X49	12.4	347	0.69	60	6.2	434	0.51	55	4.0	480	0.39	52	2.2	500	0.24	48	
286.4	2.9X100	9.8	243	0.50	50	4.9	281	0.33	44	3.1	304	0.24	42	1.7	327	0.15	39	
342.1	3.4X100	8.2	243	0.42	50	4.1	281	0.27	44	2.6	327	0.23	39	1.5	337	0.14	37	
394.1	3.9X100	7.1	255	0.40	48	3.6	304	0.27	42	2.3	327	0.20	39	1.3	337	0.12	37	
460.0	4.6X100	6.1	268	0.37	46	3.0	304	0.23	42	2.0	327	0.17	39	1.1	350	0.11	35	

CR 110



50

ir	i ₁ x _{i2}	n ₁ = 2800 min ⁻¹				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				IEC
		n ₂	T _{2M}	P	RD	n ₂	T _{2M}	P	RD	n ₂	T _{2M}	P	RD	n ₂	T _{2M}	P	RD	
		min ⁻¹	Nm	kW	%	min ⁻¹	Nm	kW	%	min ⁻¹	Nm	kW	%	min ⁻¹	Nm	kW	%	
43.0	2.9x15	65	632	5.4	80	33	769	3.4	78	21	880	2.5	76	11.6	990	1.6	74	112-100-90-80
51.3	3.4X15	55	632	4.5	80	27	769	2.8	78	17.5	990	2.5	74	9.7	1000	1.4	72	
59.1	3.9X15	47	674	4.2	80	24	880	2.9	76	15.2	990	2.1	74	8.5	1000	1.2	72	
69.0	4.6X15	41	722	3.9	79	20	880	2.5	76	13.0	990	1.8	74	7.2	1000	1.1	70	
80.2	2.9X28	35	665	3.4	72	17.5	796	2.1	69	11.2	898	1.6	66	6.2	1000	1.0	63	
110.4	3.9X28	25	705	2.6	72	12.7	898	1.8	66	8.2	1000	1.4	63	4.5	1000	0.78	61	
128.8	4.6X28	22	751	2.4	71	10.9	898	1.5	66	7.0	1000	1.2	63	3.9	1000	0.70	58	
167.6	3.4X49	16.7	667	1.8	66	8.4	786	1.1	62	5.4	976	0.98	56	3.0	1000	0.59	53	
225.4	4.6X49	12.4	745	1.5	64	6.2	881	0.97	59	4.0	976	0.73	56	2.2	1000	0.46	51	
286.4	2.9X100	9.8	503	0.97	53	4.9	583	0.61	49	3.1	617	0.42	48	1.7	650	0.28	42	
342.1	3.4X100	8.2	503	0.81	53	4.1	583	0.51	49	2.6	650	0.43	42	1.5	670	0.26	40	
394.1	3.9X100	7.1	528	0.76	52	3.6	617	0.48	48	2.3	650	0.37	42	1.3	670	0.22	40	
460.0	4.6X100	6.1	556	0.70	51	3.0	617	0.42	47	2.0	650	0.32	42	1.1	700	0.21	38	

I pesi riportati sono indicativi e possono variare in funzione della versione del riduttore.

Listed weights are for reference only and can vary according to the gearbox version.

Die angegebenen Gewichte sind Richtwerte und können je nach Getriebeversion etwas variieren.

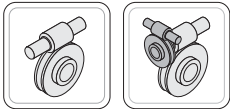
N.B. Per i riduttori evidenziati dal doppio bordo nella colonna delle potenze è necessario verificare lo scambio termico del riduttore (come nel par. 1.7). Per maggiori informazioni contattare l'ufficio tecnico STM.

NOTE. Please pay attention to the frame around the input power value: for this gearboxes it's important to check the thermal capacity (comp. chapter 1.7). For details please contact our technical department.

HINWEIS. Sind in den Tabellen Nennleistungen eingerahmt, so ist die thermische Leistungsgrenze der Getriebe zu beachten (s. S. 1.7). Für weitere Informationen wenden Sie sich bitte an unser technisches Büro.



STANDARD



Possibili accoppiamenti con motori IEC
Possible couplings with IEC motors
Mögliche Verbindungen mit IEC-Motoren

RMI - CRMI

Tab. 2.12

	IEC	ir												
		7	10	15	20	28	40	49	56	70	80	100		
RMI 28 CRMI 28..	63	11/90 (B14)												
	56	9/120 (B5) - 9/80• (B14)												
RMI 40 CRMI 40..	71	14/160 (B5) - 14/105 (B14) - 14/140 - 14/120 - 14/90•												
	63	11/140 (B5) - 11/90 (B14)			11/120 - 11/80•									
	56	9/120 (B5) - 9/80• (B14)		9/140 - 9/90										
RMI 50 CRMI 50..	80	19/120 (B14) - 19/200 (B5) - 19/160 - 19/140 - 19/105• - 19/90•												
	71	14/160 (B5) - 14/105 (B14)			14/140 - 14/120 - 14/90•									
	63						11/140 (B5) - 11/90• B14		11/160 - 11/120 - 11/105					
RMI 63 CRMI 63..	90	24/200 (B5) - 24/140 (B14)					24/160 - 24/120 - 24/105•							
	80	19/200 (B5) - 19/120 (B14)			19/160 - 19/140 - 19/105•									
	71	14/160 (B5) - 14/105• (B14)		14/200 - 14/140 - 14/120										
RMI 70 CRMI 70..	100 ⁽³⁾	28/160 (B14)												
	90	24/200 (B5) - 24/140 (B14)			24/160 - 24/120 - 24/105•									
	80	19/200 (B5) - 19/120 (B14)			19/160 - 19/140 - 19/105•									
	71 ⁽¹⁾						14/160 (B5) - 14/105• (B14)		14/200 - 14/140 - 14/120					
RMI 85 CRMI 85..	100 ⁽³⁾	28/250 (B5) - 28/160 (B14)			28/200									
	90	24/200 (B5) - 24/140 (B14)			24/250 - 24/160 - 24/120									
	80 ⁽¹⁾						19/200 (B5) - 19/120 B14		19/250 - 19/160 - 19/140					
RMI 110 CRMI 110..	132 ⁽²⁾⁽³⁾	38/300 (B5)												
	112	28/250 (B5) - 28/160 (B14)			28/200									
	100	28/250 (B5) - 28/160 (B14)			28/200									
	90 ⁽¹⁾						24/200 (B5)		24/250 - 24/160					
RMI 130 CRMI 130..	132	38/300 (B5)												
	112	28/250 (B5)			28/200									
	100	28/250 (B5)			28/200									
RMI 150	160	42/350 (B5)												
	132	38/300 (B5)			38/350 - 38/250 - 38/200									
	112 ⁽¹⁾	28/250 (B5)			28/350 - 28/300 - 28/200									
	100 ⁽¹⁾	28/250 (B5)			28/350 - 28/300 - 28/200									
RMI 180	180	48/350 (B5)												
	160	42/350 (B5)			42/300 - 42/250									
	132	38/300 (B5)			38/350 - 38/250									

⁽¹⁾ I riduttori RMI e CRMI con vite bisporgente vengono realizzati con boccola di riduzione in acciaio (es. per RMI 110 boccola riduzione \varnothing 28/24).

N.B.

Per le grandezze 40, 50, 63 sono possibili solo queste configurazioni:

RMI: La bisporgenza è realizzata solo con giunto;

CRMI: La bisporgenza sul 1° è realizzata solo con giunto;

Per IEC Vedi pag. 45.

⁽²⁾ Non disponibile in versione F2

⁽³⁾ Si sconsiglia di montare i riduttori nelle posizioni di montaggio 03 e 04.

⁽¹⁾ The RMI and CRMI worm gearboxes with double extended input shaft have a steel axle box (e.g. for RMI 110 axle box \varnothing 28/24).

N.B.

These are the only configurations possible for sizes 40, 50, 63

RMI: The double extension is made by using a coupling;

CRMI: The double extension on 1° is made by using a coupling;

IEC Look at pag. 45.

⁽²⁾ Version F2 not available.

⁽³⁾ We advise you to mount the speed reducer in the positions 03 or 04.

⁽¹⁾ RMI und CRMI-Getriebe mit beidseitiger Antriebswelle haben eine Stahl-Reduziermuffe (z.B. RMI 110 Muffe 28/24)

Hinweis:

Für die Größen 40, 50, 63 sind nur diese Konfigurationen möglich:

RMI: Das doppelte Wellenende wurde nur mit Kupplung hergestellt;

CRMI: Das doppelte Wellenende auf 1° wurde nur mit Kupplung hergestellt;

IEC siehe 45.

⁽²⁾ Nicht erhältlich in Ausuerung F2

⁽³⁾ Wir abraten die Getriebe in position Nummer 03 oder 04 zu montieren.





Possibili accoppiamenti con motori IEC
Possible couplings with IEC motors
Mögliche Verbindungen mit IEC-Motoren

RMI...G - CRMI...G

	IEC	ir										
		7	10	15	20	28	40	49	56	70	80	100
RMI 40 CRMI 40...	71 ⁽¹⁾	14/160 (B5) - 14/105 (B14) - 14/140 - 14/120 - 14/90•										
	63	11/140 (B5) - 11/90• (B14) - 11/160 - 11/120 - 11/105										
	56	9/120 (B5) - 9/160 - 9/140 - 9/105 - 9/90•										
RMI 50 CRMI 50...	80 ⁽¹⁾	19/120 (B14) - 19/200 (B5) - 19/160 - 19/140 - 19/105• - 19/90•										
	71	14/160 (B5) - 14/105• (B14) - 14/200 - 14/140 - 14/120 - 14/90•										
	63	11/140 (B5) - 11/90• (B14) - 11/200 - 11/160 - 11/120 - 11/105•										
RMI 63 CRMI 63...	90 ⁽¹⁾	24/200 (B5) - 24/140 (B14) - 24/160 - 24/120 - 24/105•										
	80	19/200 (B5) - 19/120 (B14) - 19/160 - 19/140 - 19/105•										
	71	14/160 (B5) - 14/105• (B14) - 14/200 - 14/140 - 14/120										

⁽¹⁾ ATTENZIONE!

Linguette a disegno STM.
(Vedere Paragrafo 1.11).

⁽¹⁾ WARNING!

(Look at chapter 1.11).

⁽¹⁾ ACHTUNG!

(s. S. 1.11).



Possibili accoppiamenti con motori IEC
Possible couplings with IEC motors
Mögliche Verbindungen mit IEC-Motoren

CB

Tab. 2.13

	Possibili accoppiamenti con motori IEC Possible couplings with IEC motor Mögliche Verbindungen mit IEC-Motoren		
	IEC	ir	
		Tutti / All / Alle	
CB 40	63	11/140 (B5)	11/120 - 11/80
	56	9/120 (B5) - 9/80 (B14)	9/140
CB 50	71	14/160 (B5)	14/140
	63	11/140 (B5)	11/160
	56	9/120 (B5) - 9/80 • (B14)	9/160 - 9/140
CB 70	90	24/200 (B5)	
	80	19/200 (B5)	19/160
	71	14/160 (B5)	14/140
	63	11/140 (B5)	11/160

	Possibili accoppiamenti con motori IEC Possible couplings with IEC motor Mögliche Verbindungen mit IEC-Motoren		
	IEC	ir	
		Tutti / All / Alle	
CB 85	90	24/200 (B5)	24/160
	80	19/200 (B5)	19/160
	71	14/160 (B5)	14/140
	63	11/160 (B5)	11/160
CB 110	112	28/250 (B5)	
	100	28/250 (B5)	
	90	24/200 (B5)	
	80	19/200 (B5)	

Legenda:

11/140 (B5)

11/120

11/140 : combinazioni albero/flangia standard (B5) : forma costruttiva motore IEC
11/120 : combinazioni albero/flangia a richiesta

Key:

11/140 (B5)

11/120

11/140 : standard shaft/flange combination (B5) : IEC motor constructive shape
11/120 : shaft/flange combinations upon request

Legende:

11/140 (B5)

11/120

11/140 : Standardkombinationen Welle/Flansch (B5) : Konstruktionsform IEC-Motor
11/120 : Sonderkombinationen Welle/Flansch

N.B.

La configurazione standard della flangia attacco motore prevede 4 fori a 45° (esempio x: vedi par. 2.3).

Per le flange contrassegnate con il simbolo (+) i fori per il fissaggio al motore sono disposti in croce (esempio +). Pertanto è opportuno valutare l'ingombro della morsettiera del motore che verrà installato in quanto essa verrà a trovarsi orientata a 45° rispetto agli assi. Per la scelta della posizione della morsettiera rispetto agli assi fare riferimento allo schema seguente (in cui la posizione 5 è quella standard):

Note.

The standard configuration for the 4 holes is 45° to the axles (like an x: see par. 2.3).

For the B14 flanges marked with (+) the holes to fit the motor are on the axles (like a +). Therefore we suggest to check the dimensions of the terminal board of the motor as it will be at 45° to the axles. Please, choose the terminal board position referring to the following sketch (in which N° 5 is the standard position):

STANDARD





2.7 Prestazioni motoriduttori

2.7 Gearmotors performances

2.7 Leistungen der Getriebemotoren

Summary table for 1.1 kW gearmotors with columns for n2, ir, T2, FS, and model numbers (80B 2, 80D 4, 90S 4, 90L 6).

Summary table for 1.5 kW gearmotors with columns for n2, ir, T2, FS, and model numbers (80C 2, 90S 2, 90L 4, 90LB 6, 100A 6).

Summary table for 1.5 kW gearmotors with columns for n2, ir, T2, FS, and model numbers (80C 2, 90S 2, 90L 4, 90LB 6, 100A 6).

Main performance table for 1.1 kW gearmotors, listing torque (T2), current (ir), efficiency (FS), and model numbers for various speeds.

Main performance table for 1.5 kW gearmotors, listing torque (T2), current (ir), efficiency (FS), and model numbers for various speeds.

Main performance table for 1.5 kW gearmotors, listing torque (T2), current (ir), efficiency (FS), and model numbers for various speeds.

Summary table for 1.5 kW gearmotors with columns for n2, ir, T2, FS, and model numbers (80C 2, 90S 2, 90L 4, 90LB 6, 100A 6).

Main performance table for 1.5 kW gearmotors, listing torque (T2), current (ir), efficiency (FS), and model numbers for various speeds.

Main performance table for 1.5 kW gearmotors, listing torque (T2), current (ir), efficiency (FS), and model numbers for various speeds.

Summary table for 1.8 kW gearmotors with columns for n2, ir, T2, FS, and model numbers (80D 2, 90LB 4, 100B 6).

Main performance table for 1.8 kW gearmotors, listing torque (T2), current (ir), efficiency (FS), and model numbers for various speeds.





2.7 Prestazioni motoriduttori

n_2 min ⁻¹	ir	T2 Nm	FS'		
----------------------------	----	----------	-----	--	--

5.5 kW	$n_1=2880 \text{ min}^{-1}$	112B 2
	$n_1=2870 \text{ min}^{-1}$	132S 2
	$n_1=1440 \text{ min}^{-1}$	132S 4
	$n_1=950 \text{ min}^{-1}$	132ML 6

29	49	1323	1.6	RMI 180	132S 4
29	49	1269	1.0	RMI 150	132S 4
26	56	1491	1.4	RMI 180	132S 4
26	56	1491	0.9	RMI 150	132S 4
21	70	1736	1.1	RMI 180	132S 4
18.0	80	1955	0.9	RMI 180	132S 4
13.6	70	2554	0.9	RMI 180	132ML 6

7.5 kW	$n_1=2880 \text{ min}^{-1}$	112BL 2
	$n_1=2890 \text{ min}^{-1}$	132SL 2
	$n_1=1440 \text{ min}^{-1}$	132M 4
	$n_1=960 \text{ min}^{-1}$	160M 6

413	7	153	3.3	RMI 130	132SL 2
413	7	149	2.3	RMI 110*	132SL 2
409	7	154	3.2	RMI 130	112BL 2
409	7	151	2.3	RMI 110*	112BL 2
289	10	216	2.7	RMI 130	132SL 2
289	10	211	1.9	RMI 110*	132SL 2
286	10	218	2.6	RMI 130	112BL 2
286	10	213	1.8	RMI 110*	112BL 2
206	7	306	3.5	RMI 150	132M 4
206	7	306	2.3	RMI 130	132M 4
206	7	299	1.6	RMI 110*	132M 4
193	15	316	3.0	RMI 150	132SL 2
193	15	312	2.0	RMI 130*	132SL 2
193	15	309	1.3	RMI 110*	132SL 2
191	15	316	2.0	RMI 130*	112BL 2
191	15	312	1.3	RMI 110*	112BL 2
144	10	433	2.7	RMI 150	132M 4
144	10	433	1.8	RMI 130	132M 4
144	10	423	1.3	RMI 110*	132M 4
96	15	642	2.8	RMI 180	132M 4
96	15	634	2.0	RMI 150	132M 4
96	15	627	1.3	RMI 130*	132M 4
96	15	612	0.9	RMI 110*	132M 4
72	20	836	2.4	RMI 180	132M 4
72	20	836	1.7	RMI 150	132M 4
72	20	826	1.1	RMI 130*	132M 4
51	28	1100	1.7	RMI 180	132M 4
51	28	1058	1.2	RMI 150*	132M 4
36	40	1492	1.3	RMI 180	132M 4
36	40	1492	0.9	RMI 150*	132M 4
29	49	1804	1.2	RMI 180	132M 4
26	56	2033	1.0	RMI 180	132M 4
21	70	2368	0.8	RMI 180*	132M 4

2.7 Gearmotors performances

n_2 min ⁻¹	ir	T2 Nm	FS'		
----------------------------	----	----------	-----	--	--

9.2 kW	$n_1=1450 \text{ min}^{-1}$	132ML 4
---------------	-----------------------------	---------

207	7	373	2.9	RMI 150	132ML 4
207	7	373	1.9	RMI 130*	132ML 4
207	7	365	1.3	RMI 110*	132ML 4
145	10	533	3.1	RMI 180	132ML 4
145	10	527	2.2	RMI 150	132ML 4
145	10	527	1.5	RMI 130*	132ML 4
145	10	515	1.0	RMI 110*	132ML 4
97	15	782	2.3	RMI 180	132ML 4
97	15	773	1.6	RMI 150	132ML 4
97	15	763	1.1	RMI 130*	132ML 4
73	20	1018	2.0	RMI 180	132ML 4
73	20	1018	1.4	RMI 150	132ML 4
73	20	1006	0.9	RMI 130*	132ML 4
52	28	1340	1.4	RMI 180	132ML 4
52	28	1289	1.0	RMI 150*	132ML 4
36	40	1818	1.1	RMI 180*	132ML 4
30	49	2197	0.9	RMI 180*	132ML 4
26	56	2477	0.8	RMI 180*	132ML 4

11 kW	$n_1=2940 \text{ min}^{-1}$	132M 2
	$n_1=1455 \text{ min}^{-1}$	160M 4
	$n_1=965 \text{ min}^{-1}$	160L 6

420	7	220	2.3	RMI 130*	132M 2
420	7	215	1.6	RMI 110*	132M 2
294	10	311	1.8	RMI 130*	132M 2
294	10	304	1.3	RMI 110*	132M 2
208	7	445	2.4	RMI 150	160M 4
196	15	450	1.4	RMI 130*	132M 2
147	20	600	1.8	RMI 150*	132M 2
147	20	593	1.2	RMI 130*	132M 2
146	10	635	2.6	RMI 180	160M 4
138	7	671	2.7	RMI 180	160L 6
138	7	663	2.0	RMI 150	160L 6
97	15	931	1.9	RMI 180	160M 4
97	15	921	1.4	RMI 150*	160M 4
73	20	1213	1.7	RMI 180	160M 4
64	15	1388	1.5	RMI 180	160L 6
52	28	1597	1.2	RMI 180*	160M 4
48	20	1807	1.3	RMI 180	160L 6
36	40	2166	0.9	RMI 180*	160M 4

2.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'		
----------------------------	----	----------	-----	--	--

15 kW	$n_1=2900 \text{ min}^{-1}$	132ML 2
	$n_1=2930 \text{ min}^{-1}$	160MB 2
	$n_1=1455 \text{ min}^{-1}$	160L 4

419	7	301	2.5	RMI 150*	160MB 2
414	7	304	2.5	RMI 150*	132ML 2
414	7	304	1.6	RMI 130*	132ML 2
293	10	425	2.0	RMI 150*	160MB 2
290	10	430	2.0	RMI 150*	132ML 2
290	10	430	1.3	RMI 130*	132ML 2
208	7	613	2.5	RMI 180	160L 4
208	7	606	1.8	RMI 150*	160L 4
195	15	631	2.1	RMI 180*	160MB 2
195	15	623	1.5	RMI 150*	160MB 2
146	10	866	1.9	RMI 180	160L 4
97	15	1270	1.4	RMI 180*	160L 4
73	20	1654	1.2	RMI 180*	160L 4
52	28	2178	0.9	RMI 180*	160L 4
64	15	1388	1.5	RMI 180	160L 6
52	28	1597	1.2	RMI 180*	160M 4

18.5 kW	$n_1=2910 \text{ min}^{-1}$	160L 2
	$n_1=1460 \text{ min}^{-1}$	180M 4

416	7	378	2.7	RMI 180	160L 2
416	7	374	2.0	RMI 150*	160L 2
291	10	534	2.2	RMI 180*	160L 2
291	10	528	1.6	RMI 150*	160L 2
209	7	754	2.0	RMI 180	180M 4
194	15	783	1.7	RMI 180*	160L 2
194	15	774	1.2	RMI 150*	160L 2
146	10	1065	1.5	RMI 180*	180M 4

22 kW	$n_1=2925 \text{ min}^{-1}$	180M 2
	$n_1=1460 \text{ min}^{-1}$	180L 4

418	7	447	2.3	RMI 180*	180M 2
293	10	632	1.9	RMI 180*	180M 2
209	7	897	1.7	RMI 180*	180L 4
146	10	1266	1.3	RMI 180*	180L 4
97	15	1856	1.0	RMI 180*	180L 4

N.B.
Tutte le potenze indicate si riferiscono alla potenza meccanica dei riduttori.
Per i riduttori contrassegnati con (*) è opportuno effettuare la verifica della potenza limite termico secondo le indicazioni riportate nel par. 1.7

I valori contrassegnati dal simbolo (—) indicano la coppia massima applicabile al riduttore con FS=1. In questi casi la potenza del motore applicato non dovrà mai essere utilizzata integralmente onde evitare danneggiamenti al riduttore.

NOTE.
The indicated power is based on the mechanical capacities of the gearboxes.
For the gearboxes marked with (*) it is also necessary to obey the thermal capacity like shown on chapter 1.7.

Values marked with (—) show the maximum torque that can be applied to the gearbox with FS=1. In these cases, the power of the motor applied shall never be used completely in order to avoid damages to the gearbox.

HINWEIS.
Die Leistungsangaben beziehen sich auf die mechanische Belasbarkeit der Getriebe.
Bei den mit (*) gekennzeichneten Getrieben ist außerdem die thermische Leistungsgrenze zu beachten (s. Kap. 1.7).

Die mit (—) gekennzeichneten Werte zeigen das für ein Getriebe bei FS=1 mögliche Maximaldrehmoment an. Um Schäden am Getriebe zu vermeiden, darf in diesen Fällen der Motor nicht mit voller Leistung gefahren werden.