



2.3 Versioni

2.3 Versions

2.3 Ausführungen

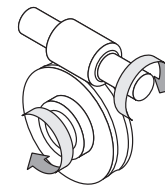
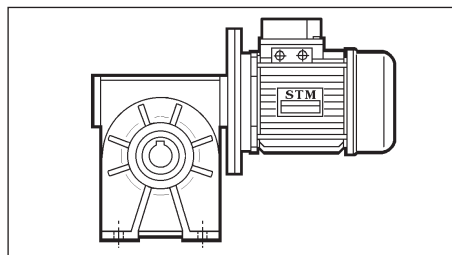
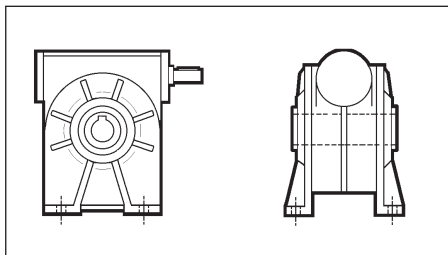
RI

RMI

Senso di rotazione standard
Standard direction of rotation
Drehrichtung Standard

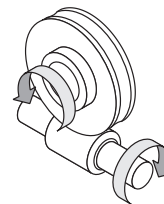
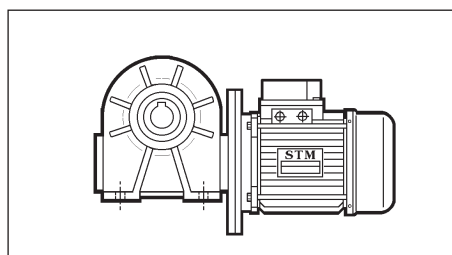
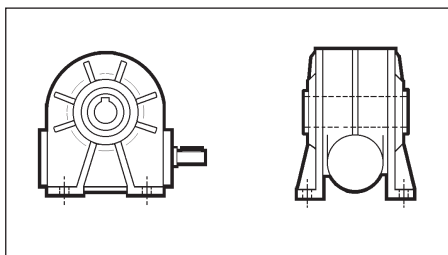
S

28 - 180



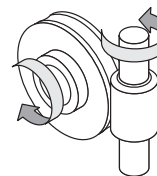
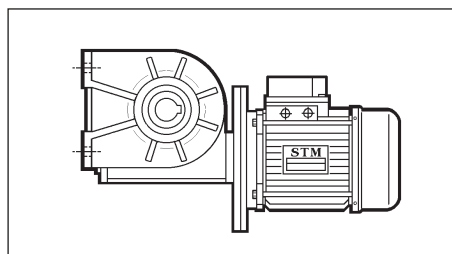
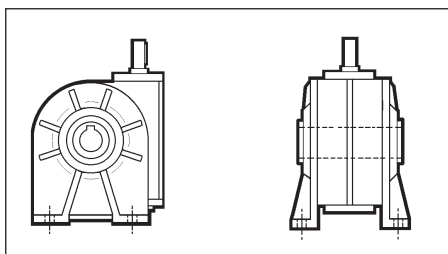
I

28 - 180



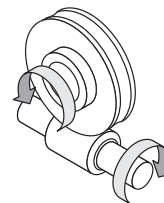
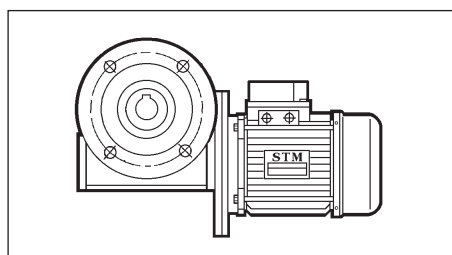
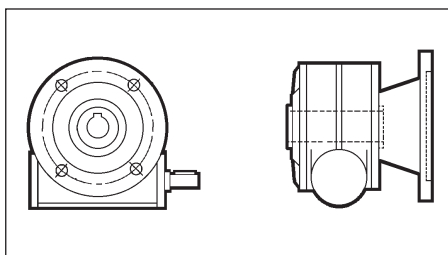
D

28 - 180



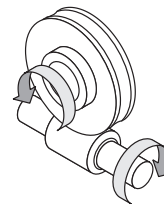
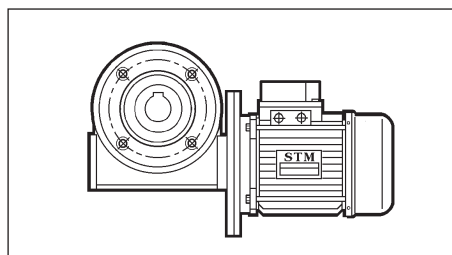
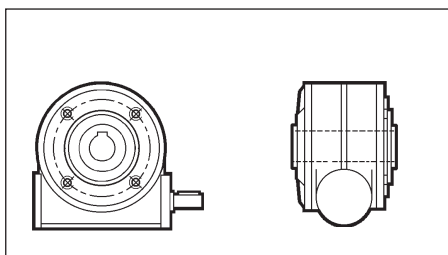
FL

(F1, F2, F3, F4)
28 - 180



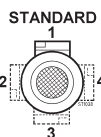
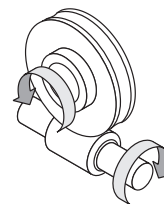
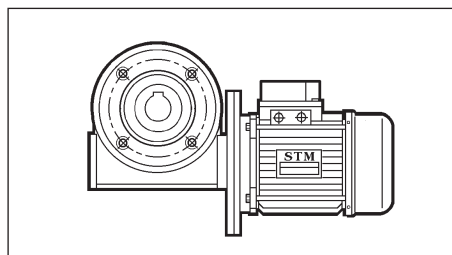
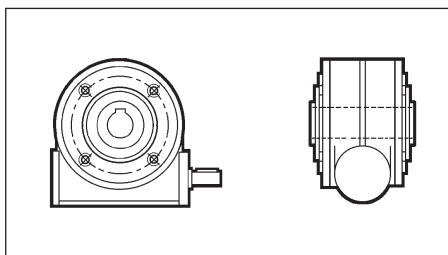
P

28, 85 - 180



PP

40 - 70



Posizione morsettiera
Terminal board position
Lage des Klemmenkastens

Il senso dell'elica è destro
The helix is right-handed
Die Schnecke ist rechtsgängig



2.4 Lubrificazione

2.4 Lubrication

2.4 Schmierung



Lubrificazione riduttori
Gearboxes lubrication
Schmierung Getriebes

RI - RMI

Generalità

Si consiglia l'uso di oli a base sintetica. Vedere a tale proposito le indicazioni riportate nel capitolo 1, paragrafo 1.6 e 1.2.. Nella tab. 2.2 sono riportati i quantitativi di olio necessari per il corretto funzionamento dei riduttori.

Prescrizioni in fase di ordine e stato di fornitura

I riduttori delle grandezze 28, 40, 50, 63, 70, 85 sono forniti completi di olio sintetico di viscosità ISO 320. Per questi riduttori **non è necessario** specificare la posizione di montaggio.

I riduttori delle grandezze 110, 130, 150, 180 sono forniti predisposti per lubrificazione ad olio ma privi di lubrificante il quale potrà essere fornito a richiesta. Per questi riduttori **è necessario** specificare la posizione di montaggio.

General information

The use of synthetic oil is recommended. (see details in Chapter 1, paragraph 1.6 and 1.2). Tab. 2.2 shows the quantities of oil required for correct worm gearbox performance.

Ordering phase requirements and state of supply

Worm gearboxes sizes 28, 40, 50, 63, 70, and 85 come supplied with ISO 320 viscosity synthetic oil.

It is not necessary to specify mounting positions with these worm gearboxes.

Size 110, 130, 150, 180 worm gearboxes require oil lubrication but are supplied without lubricant that can be requested separately. It is necessary to specify the mounting position for these worm gearboxes.

Allgemeines

Der Einsatz von synthetischem Öl wird empfohlen. (Siehe diesbezüglich die Hinweise im Kapitel 1, abschnitt 1.6 und 1.2. In der Tabelle Tab. 2.2 werden die erforderlichen Ölfüllmengen für einen störungsfreien Betrieb der Getriebe aufgeführt.

Vorgaben für die bestellung und den lieferzustand

Die Getriebe in den Baugrößen 28, 40, 50, 63, 70 und 85 werden komplett mit Synthetiköl mit einer Viskosität ISO 320 geliefert. Für diese Getriebe **muss** die Einbaulage **nicht** angegeben werden. Die Getriebe in den Baugrößen 110, 130, 150, 180 sind bei der Lieferung für die Ölschmierung vorbereitet, enthalten jedoch kein Schmiermittel. Dieses kann auf Anfrage geliefert werden. Für diese Getriebe **muss** die Einbaulage verbindlich angegeben werden.

Posizioni di montaggio RI-RMI

Mounting positions RI-RMI

Montagepositionen RI-RMI

<p>S</p> <p>144</p>						
<p>I</p> <p>144</p>						
<p>D</p> <p>145</p>						
<p>F</p> <p>146</p>						
	M1	M2	M3	M4	M5	M6

- ▽ Carico / Breather plug / Nachfüllen - Entlüftung
- Livello / Level plug / Pegel
- ▼ Scarico / Drain plug / Auslauf

* Disponibile su richiesta / Available on request / Erhältlich auf Anfrage



Tab. 2.2

Quantità di lubrificante / Lubricant Quantity / Schmiermittelmenge (kg)									
RI - RMI	Posizioni di montaggio Mounting Positions Montagepositionen (S,I,D,F)						Stato di fornitura State of supply Lieferzustand	n°. tappi olio No. of plugs Anzahl Schrauben	Posizione di montaggio Mounting position Montageposition
	M1	M2	M3	M4	M5	M6			
28			0.045				1	Non necessaria Not necessary Nicht erforderlich	
40			0.100			Riduttori forniti completi di lubrificante sintetico Gearboxes supplied with synthetic oil	1		
50			0.190			Getriebe werden mit synthetischem Öl geliefert	1		
63			0.450				1		
70			0.600				1		
85			1.300				3 (S,I,D) 4 (FL,F1,F2,F3)		
110	2.6		2.1 ⁽¹⁾			Riduttori predisposti per lubrificazione ad olio Gearboxes supplied ready for oil lubrication	3 (S,I,D) 4 (FL,F1,F2,F3)	Necessaria Necessary Erforderlich	
130	4.1		2.9 ⁽¹⁾			Getriebe sind für Ölschmierung vorgerüstet	3 (S,I,D) 4 (FL)		
150	6.0		5.0 ⁽¹⁾				3 (S,I,D) 4 (FL)		
180	11.0		9.0 ⁽¹⁾				3 (S,I,D) 4 (FL,F1)		

(1) Quantità indicative; durante il riempimento attenersi alla spia di livello.

(1) Indicative quantities, check the oil sight glass during filling.

(1) Richtungsweisende Mengen, bei der Auffüllung auf das Füllstand-Kontrollfenster Bezug nehmen.

A) Nei riduttori nelle grandezze 110, 130, 150, 180 è necessario in fase d'ordine indicare la posizione di montaggio sia se i riduttori sono richiesti con olio sia privi di lubrificante. Particolare attenzione va posta per i riduttori montati nelle posizioni M3 e M4 che sono forniti con il cuscinetto schermato.

A) When ordering size 110, 130, 150, 180 worm gearboxes it is necessary to indicate the mounting position whether the worm gearbox is requested with oil or without lubricant. Particular attention should be paid to worm gearboxes with a shielded bearing mounted in positions M3 and M4.

A) Für die Getriebe in den Baugrößen 110, 130, 150 und 180 muss in der Auftragsphase die Einbaulage verbindlich angegeben werden. Dies gilt sowohl für die Bestellung von mit Öl gefüllten Getrieben als auch für Getriebe ohne Ölfüllung. Besondere Aufmerksamkeit sollte den Getrieben zukommen, die in den Einbaulagen M3 und M4 montiert werden und mit abgeschirmtem Lager geliefert werden.

N.B. Se in fase d'ordine la posizione di montaggio è omissa, il riduttore verrà fornito con i tappi predisposti per la posizione M1

N.B. If the mounting position is not specified in the order, the worm gearbox supplied will have plugs pre-arranged for position M1

Hinweis: Sollte in der Auftragsphase die Einbaulage nicht angegeben werden, wird das Getriebe mit Stopfen für die Einbaulage M1

B) Per i riduttori delle grandezze 110, 130, 150, 180 nelle posizioni M1 non fare riferimento alla spia di livello ma attenersi ai quantitativi indicati.

B) For size 110, 130, 150, 180 worm gear-boxes in position M1 do not refer to the oil level sight glass during filling but keep to the quantities indicated by the manufacturer.

B) Bei den Getrieben der Baugrößen 110, 130, 150, 180 in den Einbaulagen M1 ist nicht auf das Füllstand-Kontrollfenster, sondern auf die angegebenen Mengen Bezug zu nehmen.

C) Il tappo di sfiato è allegato solo nei riduttori che hanno più di un tappo olio.

C) A breather plug is supplied only with worm gearboxes that have more than one oil plug.

C) Der Entlüftungsstopfen ist lediglich bei den Getrieben vorhanden, die über mehr als einen Ölfüllstopfen verfügen.

D) Nei riduttori dove è necessario specificare la posizione di montaggio, la posizione richiesta è indicata nella targhetta del riduttore.

D) The gearboxes that need a specific assembling position have the indication of it on the label of the gearbox.

D) In den Getrieben in dem man die Montage Position angeben soll, findet man die angefragte Position auf dem Typenschild des Getriebes.

N.B.:
Per i riduttori RMI e CRMI che rientrano nelle condizioni indicate dalla nota 3 a pag. 42, si sconsigliano le posizioni di montaggio M3 e M4.

NOTE:
RMI and CRMI gearboxes as per definition 3 at page 42 should not be assembled in mounting positions M3 and M4.

HINWEIS:
RMI und CRMI Getriebe in der Seite 42 note 3 beschrieben müssen nicht gem. Einbaulage M3 und M4 gebaut werden.



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				IEC
	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 %	
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				IEC
	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 %	
7	400	27	1.3	84	200	37	0.93	83	129	44	0.73	81	71	54	0.50	80	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				IEC
	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 %	
7	400	50	2.5	85	200	68	1.7	84	129	81	1.3	83	71	100	0.91	82	80-71
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				IEC
	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 %	
7	400	84	4.1	86	200	115	2.9	84	129	137	2.2	84	71	169	1.5	83	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

ir	n ₁ = 2800 min ⁻¹ ⚠				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				IEC
	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 %	
7	400	95	4.6	86	200	132	3.3	85	129	158	2.5	84	71	195	1.8	83	112-100-90-80
10	280	105	3.7	84	140	142	2.5	83	90	168	1.9	82	50	205	1.3	80	
15	187	109	2.6	82	93	145	1.8	80	60	170	1.4	78	33	205	0.94	76	
20	140	115	2.1	80	70	151	1.4	77	45	175	1.1	75	25	210	0.76	72	90-80
28	100	113	1.6	74	50	147	1.1	71	32	170	0.84	68	17.9	202	0.59	64	90-80-71
40	70	126	1.3	71	35	162	0.89	67	23	186	0.68	64	12.5	219	0.48	60	
49	57	131	1.2	68	29	166	0.78	64	18.4	190	0.61	60	10.2	223	0.43	56	80-71
56	50	132	1.0	67	25	167	0.71	62	16.1	191	0.55	58	8.9	223	0.39	54	
70	40	120	0.81	62	20	149	0.55	57	12.9	169	0.42	54	7.1	197	0.30	49	
80	35	113	0.69	60	17.5	141	0.48	54	11.3	160	0.38	50	6.3	185	0.26	46	
100	28	103	0.52	58	14.0	128	0.37	51	9.0	144	0.29	47	5.0	166	0.20	43	

RI 85



19

ir	n ₁ = 2800 min ⁻¹ ⚠				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				IEC
	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 %	
7	400	177	8.6	86	200	247	6.1	85	129	297	4.8	84	71	369	3.3	83	112-100-90
10	280	205	7.1	85	140	280	4.9	84	90	332	3.8	83	50	407	2.6	81	
15	187	211	5.0	82	93	283	3.4	81	60	333	2.6	79	33	403	1.8	77	
20	140	236	4.3	81	70	310	2.9	79	45	362	2.2	77	25	434	1.5	74	112-100-90-80
28	100	210	2.9	75	50	275	2.0	72	32	319	1.6	69	17.9	381	1.1	65	
40	70	242	2.5	72	35	312	1.7	69	23	359	1.3	66	12.5	424	0.90	62	90-80
49	57	225	1.9	70	29	287	1.3	65	18.4	329	1.0	62	10.2	387	0.71	58	
56	50	223	1.7	70	25	283	1.1	66	16.1	322	0.87	62	8.9	377	0.61	58	
70	40	208	1.3	66	20	261	0.90	61	12.9	297	0.70	57	7.1	346	0.49	53	
80	35	194	1.1	63	17.5	243	0.77	58	11.3	276	0.60	54	6.3	320	0.42	50	
100	28	172	0.85	59	14.0	217	0.60	53	9.0	243	0.46	50	5.0	281	0.33	44	

RI 110



38

ir	n ₁ = 2800 min ⁻¹ ⚠				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				IEC
	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 %	
7	400	341	16.6	86	200	478	11.6	86	129	577	9.1	85	71	720	6.4	84	132-112-100
10	280	391	13.5	85	140	537	9.3	85	90	640	7.2	84	50	788	5.0	82	
15	187	396	9.3	83	93	535	6.4	82	60	632	5.0	80	33	769	3.4	78	
20	140	465	8.3	82	70	617	5.6	81	45	722	4.3	79	25	869	3.0	76	112-100
28	100	433	5.9	77	50	570	4.0	75	32	665	3.1	72	17.9	796	2.2	69	112-100-90
40	70	493	4.9	74	35	638	3.2	72	23	737	2.6	68	12.5	873	1.8	65	
49	57	452	3.8	72	29	581	2.5	69	18.4	667	1.9	66	10.2	786	1.4	62	
56	50	364	2.7	71	25	465	1.8	69	16.1	532	1.4	64	8.9	624	0.97	60	
70	40	381	2.3	68	20	483	1.6	64	12.9	551	1.2	60	7.1	644	0.88	55	
80	35	390	2.2	66	17.5	491	1.5	62	11.3	559	1.1	58	6.3	651	0.80	53	
100	28	355	1.7	62	14.0	444	1.1	57	9.0	503	0.89	53	5.0	583	0.62	49	

RI 130



48

ir	n ₁ = 2800 min ⁻¹ ⚠				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				IEC
	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 %	
7	400	501	24	88	200	706	16.8	88	129	855	13.2	87	71	1070	9.5	84	132-112-100
10	280	574	19.3	87	140	791	13.3	87	90	946	10.5	85	50	1167	7.4	83	
15	187	622	14.5	84	93	840	9.8	84	60	993	7.5	83	33	1210	5.3	80	
20	140	686	12.1	83	70	915	8.1	83	45	1073	6.2	82	25	1296	4.4	77	112-100
28	100	607	8.4	76	50	805	5.5	76	32	941	4.2	75	17.9	1131	3.1	69	
40	70	693	6.9	74	35	903	4.5	73	23	1045	3.5	71	12.5	1243	2.5	65	
49	57	681	5.7	72	29	880	3.8	70	18.4	1014	2.8	69	10.2	1200	2.0	63	
56	50	636	4.6	72	25	814	3.1	69	16.1	935	2.3	68	8.9	1100	1.7	62	
70	40	639	3.9	69	20	812	2.5	67	12.9	928	2.0	62	7.1	1086	1.4	58	
80	35	616	3.3	68	17.5	778	2.2	64	11.3	886	1.7	60	6.3	1034	1.2	56	
100	28	551	2.5	64	14.0	691	1.7	59	9.0	785	1.3	55	5.0	913	0.94	51	



2.6 Prestazioni riduttori RI

2.6 RI Gearboxes performances

2.6 Leistungen der RI-Getriebe

RI 150



77

ir	n ₁ = 2800 min ⁻¹ ⚠				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				IEC
	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 %	
7	400	754	36	88	200	1070	25	88	129	1300	20	87	71	1630	14.2	86	160-132
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	132-112-100
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 min ⁻¹ ⚠				n ₁ = 1400 min ⁻¹				n ₁ = 900 min ⁻¹				n ₁ = 500 min ⁻¹				IEC
	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 %	
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	160-132
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.

n ₁ (min ⁻¹)	RI									
	28	40	50	63	70	85	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									



Tab. 2.12

Possibili accoppiamenti con motori IEC / Possible couplings with IEC motors / Mögliche Verbindungen mit IEC-Motoren.													
	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							
	71	14/160 (B5) - 14/105 (B14)					14/140 - 14/120 - 14/90•						
	63 ⁽¹⁾						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 ⁽¹⁾	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 ⁽³⁾	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)					38/250 - 38/200						
	112 ⁽¹⁾						28/250 (B5)			28/300 - 28/200			
	100 ⁽¹⁾						28/250 (B5)			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 ø 28/24).

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

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

⁽²⁾Non disponibile in versione F2

⁽²⁾Version F2 not available.

⁽²⁾Nicht erhältlich in Ausuerung F2

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

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

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



2.7 Prestazioni motoriduttori

n_2 min ⁻¹	ir	T2 Nm	FS'		
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0.09 kW	$n_1 = 2740 \text{ min}^{-1}$	56A 2
	$n_1 = 1360 \text{ min}^{-1}$	56B 4
	$n_1 = 860 \text{ min}^{-1}$	63B 6

391	7	2	6.0	RMI 28	56A 2
274	10	3	5.1	RMI 28	56A 2
194	7	4	4.2	RMI 28	56B 4
136	10	5	3.4	RMI 28	56B 4
123	7	6	3.3	RMI 28	63B 6
91	15	7	2.5	RMI 28	56B 4
68	20	9	1.6	RMI 28	56B 4
57	15	11	1.8	RMI 28	63B 6
49	28	12	3.6	RMI 40	56B 4
49	28	11	1.7	RMI 28	56B 4
43	20	14	3.1	RMI 40	63B 6
43	20	14	1.3	RMI 28	63B 6
34	40	15	2.6	RMI 40	56B 4
34	40	15	1.1	RMI 28	56B 4
31	28	18	2.8	RMI 40	63B 6
31	28	17	1.2	RMI 28	63B 6
28	49	18	2.2	RMI 40	56B 4
28	49	17	0.9	RMI 28	56B 4
27	50.5	23	2.5	CB 40	56B 4
24	56	19	1.9	RMI 40	56B 4
23	58.2	26	2.5	CB 40	56B 4
22	40	22	0.8	RMI 28	63B 6
20	68.0	31	2.1	CB 40	56B 4
19.4	70	21	1.3	RMI 40	56B 4
17.0	80	22	1.2	RMI 40	56B 4
16.4	82.7	32	1.9	CB 40	56B 4
15.4	56	29	1.4	RMI 40	63B 6
14.8	58.2	40	1.7	CB 40	63B 6
13.6	100	28	1.0	RMI 40	56B 4
12.5	108.7	40	1.6	CB 40	56B 4
12.3	70	31	1.0	RMI 40	63B 6
11.9	113.9	44	2.5	CB 50	56B 4
10.7	126.9	47	1.4	CB 40	56B 4
9.7	140	48	2.3	CRMI 28/50	56B 4
9.7	140	45	1.4	CRMI 28/40	56B 4
8.2	165.1	51	1.0	CB 40	56B 4
8.0	170.1	56	1.8	CB 50	56B 4
6.8	200	66	1.7	CRMI 28/50	56B 4
6.8	200	62	1.1	CRMI 28/40	56B 4
6.1	222.1	65	0.9	CB 40	56B 4
5.1	170.1	85	1.3	CB 50	63B 6
4.9	280	81	1.4	CRMI 28/50	56B 4
4.9	280	77	0.9	CRMI 28/40	56B 4
3.4	400	116	2.1	CRMI 28/63	56B 4
3.4	400	116	0.9	CRMI 28/50	56B 4
2.3	600	149	2.1	CRMI 40/70	56B 4
2.3	600	145	1.7	CRMI 28/63	56B 4
1.4	980	219	1.5	CRMI 40/70	56B 4
1.4	980	219	1.1	CRMI 28/63	56B 4
0.99	1372	257	1.2	CRMI 40/70	56B 4
0.99	1372	252	0.9	CRMI 28/70	56B 4
0.69	1960	339	1.5	CRMI 40/85	56B 4
0.69	1960	333	0.9	CRMI 28/70	56B 4
0.49	2800	391	1.3	CRMI 40/85	56B 4

2.7 Gearmotors performances

n_2 min ⁻¹	ir	T2 Nm	FS'		
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0.09 kW	$n_1 = 2740 \text{ min}^{-1}$	56A 2
	$n_1 = 1360 \text{ min}^{-1}$	56B 4
	$n_1 = 860 \text{ min}^{-1}$	63B 6

0.49	2800	391	0.8	CRMI 40/70	56B 4
0.34	4000	523	1.0	CRMI 40/85	56B 4
0.24	5600	500	—	CRMI 40/85	56B 4
0.19	7000	460	—	CRMI 40/85	56B 4
0.17	8000	460	—	CRMI 40/85	56B 4
0.14	10000	350	—	CRMI 40/85	56B 4

0.11 kW	$n_1 = 1360 \text{ min}^{-1}$	56C 4
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194	7	4	3.4	RMI 28	56C 4
136	10	6	2.8	RMI 28	56C 4
91	15	9	2.1	RMI 28	56C 4
68	20	11	3.3	RMI 40	56C 4
68	20	11	1.3	RMI 28	56C 4
49	28	14	3.0	RMI 40	56C 4
49	28	14	1.4	RMI 28	56C 4
34	40	19	2.2	RMI 40	56C 4
34	40	18	0.9	RMI 28	56C 4
28	49	22	1.8	RMI 40	56C 4
27	50.5	28	2.1	CB 40	56C 4
24	56	23	1.5	RMI 40	56C 4
23	58.2	32	2.0	CB 40	56C 4
20	68.0	37	1.7	CB 40	56C 4
19.4	70	25	1.1	RMI 40	56C 4
17.0	80	27	1.0	RMI 40	56C 4
16.4	82.7	39	1.5	CB 40	56C 4
13.6	100	35	0.8	RMI 40	56C 4
12.5	108.7	49	1.3	CB 40	56C 4
11.9	113.9	54	2.0	CB 50	56C 4
10.7	126.9	57	1.1	CB 40	56C 4
9.7	140	59	1.9	CRMI 28/50	56C 4
9.7	140	55	1.2	CRMI 28/40	56C 4
8.2	165.1	62	0.8	CB 40	56C 4
8.0	170.1	69	1.5	CB 50	56C 4
6.8	200	81	1.4	CRMI 28/50	56C 4
6.8	200	76	0.9	CRMI 28/40	56C 4
4.9	280	99	2.5	CRMI 28/63	56C 4
4.9	280	99	1.1	CRMI 28/50	56C 4
4.7	289.5	112	1.0	CB 50	56C 4
3.4	400	142	1.8	CRMI 28/63	56C 4
2.3	600	186	2.7	CRMI 40/85	56C 4
2.3	600	177	1.4	CRMI 28/63	56C 4
1.4	980	280	1.8	CRMI 40/85	56C 4
1.4	980	267	0.9	CRMI 28/63	56C 4
0.99	1372	308	1.6	CRMI 40/85	56C 4
0.69	1960	414	1.2	CRMI 40/85	56C 4
0.49	2800	478	1.0	CRMI 40/85	56C 4
0.24	5600	500	—	CRMI 40/85	56C 4
0.19	7000	460	—	CRMI 40/85	56C 4
0.17	8000	460	—	CRMI 40/85	56C 4
0.14	10000	350	—	CRMI 40/85	56C 4

2.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'		
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0.13 kW	$n_1 = 2750 \text{ min}^{-1}$	56B 2
	$n_1 = 1360 \text{ min}^{-1}$	63A 4
	$n_1 = 860 \text{ min}^{-1}$	63C 6

393	7	3	10.2	RMI 40	56B 2
393	7	3	9.8	RMI 40	56B 2
393	7	3	4.2	RMI 28	56B 2
393	7	3	4.0	RMI 28	56B 2
275	10	4	8.3	RMI 40	56B 2
275	10	4	8.0	RMI 40	56B 2
275	10	4	3.6	RMI 28	56B 2
275	10	4	3.4	RMI 28	56B 2
194	7	5	7.0	RMI 40	63A 4
194	7	5	2.9	RMI 28	63A 4
136	10	7	5.7	RMI 40	63A 4
136	10	7	2.4	RMI 28	63A 4
91	15	11	4.0	RMI 40	63A 4
91	15	10	1.8	RMI 28	63A 4
68	20	13	2.8	RMI 40	63A 4
68	20	13	1.1	RMI 28	63A 4
56	49	14	2.2	RMI 40	56B 2
56	49	14	2.1	RMI 40	56B 2
56	49	13	0.9	RMI 28	56B 2
56	49	14	0.9	RMI 28	56B 2
54	50.5	17	2.9	CB 40	56B 2
54	50.5	18	2.8	CB 40	56B 2
49	28	17	2.5	RMI 40	63A 4
49	28	16	1.2	RMI 28	63A 4
43	20	20	0.9	RMI 28	63C 6
34	40	24	3.4	RMI 50	63A 4
34	40	22	1.8	RMI 40	63A 4
31	28	25	0.9	RMI 28	63C 6
28	49	28	2.6	RMI 50	63A 4
28	49	25	1.5	RMI 40	63A 4
27	50.5	34	1.8	CB 40	63A 4
24	56	31	2.2	RMI 50	63A 4
24	56	28	1.3	RMI 40	63A 4
23	58.2	38	1.7	CB 40	63A 4
22	40	36	2.5	RMI 50	63C 6
22	40	32	1.4	RMI 40	63C 6
20	68.0	44	1.5	CB 40	63A 4
19.4	70	36	1.8	RMI 50	63A 4
19.4	70	30	0.9	RMI 40	63A 4
18.6	73.3	43	2.5	CB 50	63A 4
17.0	80	37	1.6	RMI 50	63A 4
17.0	80	32	0.8	RMI 40	63A 4
16.4	82.7	46	1.3	CB 40	63A 4
15.1	90.2	53	2.1	CB 50	63A 4
14.0	97.2	55	2.0	CB 50	63A 4
13.6	100	44	1.2	RMI 50	63A 4
12.5	108.7	58	1.1	CB 40	63A 4
12.3	70	53	1.4	RMI 50	63C 6
11.9	113.9	64	1.7	CB 50	63A 4
10.7	126.9	68	1.0	CB 40	63A 4
10.5	130.0	73	3.1	CB 70	63A 4
9.7	140	71	2.6	CRMI 28/63	63A 4
9.7	140	69	1.6	CRMI 28/50	63A 4
9.7	140	65	1.0	CRMI 28/40	63A 4



STANDARD *line*

2.7 Prestazioni motoriduttori

2.7 Gearmotors performances

2.7 Leistungen der
Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'		
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0.13 kW	$n_1= 2750 \text{ min}^{-1}$ $n_1= 1360 \text{ min}^{-1}$ $n_1= 860 \text{ min}^{-1}$	56B 2 63A 4 63C 6
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8.6	100	64	0.9	RMI 50	63C 6
8.0	170.1	82	1.3	CB 50	63A 4
7.9	108.7	88	0.8	CB 40	63C 6
7.8	110.3	94	2.7	CB 70	63C 6
6.8	199.3	96	1.1	CB 50	63A 4
6.8	200	97	2.3	CRMI 28/70	63A 4
6.8	200	95	1.2	CRMI 28/50	63A 4
6.0	227.5	110	2.3	CB 70	63A 4
4.9	280	117	2.1	CRMI 28/63	63A 4
4.9	280	117	0.9	CRMI 28/50	63A 4
4.7	289.5	132	0.8	CB 50	63A 4
4.5	302.9	138	2.0	CB 70	63A 4
3.5	393.8	144	1.2	CB 70	63A 4
3.4	400	171	1.9	CRMI 40/70	63A 4
3.4	400	168	1.5	CRMI 28/63	63A 4
3.0	446.3	163	1.1	CB 70	63A 4
3.0	460.0	174	1.7	CB 85	63A 4
2.3	600	215	1.5	CRMI 40/70	63A 4
2.3	600	210	1.2	CRMI 28/63	63A 4
2.2	618.2	209	0.9	CB 70	63A 4
1.4	980	366	2.7	CRMI 50/110	63A 4
1.4	980	331	1.5	CRMI 40/85	63A 4
0.99	1372	426	2.3	CRMI 50/110	63A 4
0.99	1372	364	1.4	CRMI 40/85	63A 4
0.99	1372	371	0.9	CRMI 40/70	63A 4
0.69	1960	564	1.8	CRMI 50/110	63A 4
0.69	1960	490	1.0	CRMI 40/85	63A 4
0.49	2800	701	1.4	CRMI 50/110	63A 4
0.49	2800	565	0.9	CRMI 40/85	63A 4
0.34	4000	841	1.2	CRMI 50/110	63A 4
0.24	5600	1080	0.9	CRMI 50/110	63A 4
0.19	7000	1196	0.8	CRMI 50/110	63A 4
0.17	8000	860	—	CRMI 50/110	63A 4
0.14	10000	700	—	CRMI 50/110	63A 4

0.18 kW	$n_1= 2760 \text{ min}^{-1}$ $n_1= 1370 \text{ min}^{-1}$ $n_1= 870 \text{ min}^{-1}$	63A 2 63B 4 71A 6
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394	7	4	7.4	RMI 40	63A 2
394	7	4	3.0	RMI 28	63A 2
276	10	5	6.0	RMI 40	63A 2
276	10	5	2.6	RMI 28	63A 2
196	7	7	5.1	RMI 40	63B 4
196	7	7	2.1	RMI 28	63B 4
137	10	10	4.1	RMI 40	63B 4
137	10	10	1.7	RMI 28	63B 4
124	7	11	3.9	RMI 40	71A 6
91	15	14	2.9	RMI 40	63B 4
91	15	14	1.3	RMI 28	63B 4
69	20	18	2.0	RMI 40	63B 4
69	20	18	0.8	RMI 28	63B 4
62	44.3	21	2.4	CB 40	63A 2

n_2 min ⁻¹	ir	T2 Nm	FS'		
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0.18 kW	$n_1= 2760 \text{ min}^{-1}$ $n_1= 1370 \text{ min}^{-1}$ $n_1= 870 \text{ min}^{-1}$	63A 2 63B 4 71A 6
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58	15	22	2.2	RMI 40	71A 6
49	28	25	3.3	RMI 50	63B 4
49	28	24	1.8	RMI 40	63B 4
49	28	22	0.8	RMI 28	63B 4
44	20	29	2.9	RMI 50	71A 6
44	20	28	1.6	RMI 40	71A 6
34	40	33	2.4	RMI 50	63B 4
34	40	30	1.3	RMI 40	63B 4
31	44.3	41	1.5	CB 40	63B 4
28	48.3	47	2.3	CB 50	63B 4
28	49	39	1.9	RMI 50	63B 4
28	49	35	1.1	RMI 40	63B 4
27	50.5	46	1.3	CB 40	63B 4
26	52.1	49	2.2	CB 50	63B 4
24	56	42	1.6	RMI 50	63B 4
24	56	38	0.9	RMI 40	63B 4
24	58.2	52	1.2	CB 40	63B 4
22	61.0	58	1.9	CB 50	63B 4
20	68.0	61	1.1	CB 40	63B 4
19.6	70	49	1.3	RMI 50	63B 4
18.7	73.3	59	1.9	CB 50	63B 4
17.1	80	51	1.1	RMI 50	63B 4
16.6	82.6	66	3.0	CB 70	63B 4
16.6	82.7	63	0.9	CB 40	63B 4
15.5	56	64	2.3	RMI 63	71A 6
15.5	56	62	1.3	RMI 50	71A 6
15.2	90.2	72	1.5	CB 50	63B 4
14.1	97.2	75	1.5	CB 50	63B 4
13.7	100	60	0.9	RMI 50	63B 4
12.6	108.7	80	0.8	CB 40	63B 4
12.4	70	75	1.8	RMI 63	71A 6
12.4	70	72	1.0	RMI 50	71A 6
12.4	110.3	85	2.7	CB 70	63B 4
12.0	113.9	88	1.2	CB 50	63B 4
10.9	80	81	1.5	RMI 63	71A 6
10.9	80	74	0.9	RMI 50	71A 6
10.5	130.0	100	2.3	CB 70	63B 4
9.8	140	101	2.4	CRMI 40/63	63B 4
9.8	140	98	1.9	CRMI 28/63	63B 4
9.8	140	95	1.2	CRMI 28/50	63B 4
9.6	90.2	110	1.0	CB 50	71A 6
9.0	97.2	113	1.0	CB 50	71A 6
8.7	100	93	1.6	RMI 70	71A 6
8.7	100	93	1.2	RMI 63	71A 6
8.1	170.1	112	0.9	CB 50	63B 4
7.9	110.3	129	2.0	CB 70	71A 6
6.9	199.3	131	0.78	CB 50	63B 4
6.9	200	136	1.8	CRMI 40/63	63B 4
6.9	200	133	1.7	CRMI 28/63	63B 4
6.9	200	131	0.8	CRMI 28/50	63B 4
6.1	225.4	156	2.8	CB 85	63B 4
6.0	227.5	151	1.6	CB 70	63B 4
4.9	280	162	3.1	CRMI 40/85	63B 4
4.9	280	161	1.6	CRMI 28/63	63B 4

n_2 min ⁻¹	ir	T2 Nm	FS'		
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0.18 kW	$n_1= 2760 \text{ min}^{-1}$ $n_1= 1370 \text{ min}^{-1}$ $n_1= 870 \text{ min}^{-1}$	63A 2 63B 4 71A 6
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4.5	302.9	190	1.5	CB 70	63B 4
4.0	338.9	183	0.9	CB 70	63B 4
4.0	342.1	189	1.5	CB 85	63B 4
3.5	393.8	198	0.9	CB 70	63B 4
3.4	400	245	2.0	CRMI 40/85	63B 4
3.4	400	234	1.4	CRMI 40/70	63B 4
3.4	400	231	1.1	CRMI 28/63	63B 4
3.0	460.0	240	1.3	CB 85	63B 4
2.9	302.9	287	1.0	CB 70	71A 6
2.3	600	301	1.7	CRMI 40/85	63B 4
2.3	600	288	0.9	CRMI 28/63	63B 4
2.2	394.1	304	1.1	CB 85	71A 6
1.4	980	504	2.0	CRMI 50/110	63B 4
1.4	980	456	1.1	CRMI 40/85	63B 4
1.0	1372	586	1.7	CRMI 50/110	63B 4
1.0	1372	500	1.0	CRMI 40/85	63B 4
0.70	1960	775	1.3	CRMI 50/110	63B 4
0.49	2800	964	1.0	CRMI 50/110	63B 4
0.34	4000	1156	0.9	CRMI 50/110	63B 4
0.24	5600	1000	—	CRMI 50/110	63B 4
0.20	7000	960	—	CRMI 50/110	63B 4
0.17	8000	860	—	CRMI 50/110	63B 4
0.14	10000	700	—	CRMI 50/110	63B 4

0.22 kW	$n_1= 1400 \text{ min}^{-1}$	63C 4
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200	7	9	4.2	RMI 40	63C 4
200	7	9	1.8	RMI 28	63C 4
140	10	12	3.5	RMI 40	63C 4
140	10	12	1.4	RMI 28	63C 4
93	15	17	2.4	RMI 40	63C 4
93	15	17	1.1	RMI 28	63C 4
70	20	22	1.7	RMI 40	63C 4
50	28	29	2.7	RMI 50	63C 4
50	28	28	1.5	RMI 40	63C 4
35	40	40	2.0	RMI 50	63C 4
35	40	36	1.1	RMI 40	63C 4
32	44.3	49	1.2	CB 40	63C 4
29	49	46	1.6	RMI 50	63C 4
29	49	42	0.9	RMI 40	63C 4
28	50.5	55	1.1	CB 40	63C 4
25	56	50	1.4	RMI 50	63C 4
24	58.2	62	1.0	CB 40	63C 4
23	61.0	69	1.6	CB 50	63C 4
21	68.0	72	0.9	CB 40	63C 4
20	70	59	1.1	RMI 50	63C 4
19.1	73.3	70	1.5	CB 50	63C 4
17.5	80	61	0.9	RMI 50	63C 4
15.5	90.2	87	1.3	CB 50	63C 4
12.7	110.3	102	2.2	CB 70	63C 4



2.7 Prestazioni motoriduttori

n_2 min ⁻¹	ir	T2 Nm	FS'		
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0.22 kW		$n_1 = 1400 \text{ min}^{-1}$	63C 4
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12.3	113.9	105	1.0	CB 50	63C 4
10.8	130.0	120	1.9	CB 70	63C 4
10.0	140	117	1.6	CRMI 28/63	63C 4
10.0	140	114	1.0	CRMI 28/50	63C 4
8.4	166.1	140	1.6	CB 70	63C 4
7.0	200	163	1.8	CRMI 40/70	63C 4
7.0	200	159	1.4	CRMI 28/63	63C 4
6.2	225.4	186	2.3	CB 85	63C 4
6.2	227.5	181	1.4	CB 70	63C 4
5.0	280	194	1.5	CRMI 40/70	63C 4
5.0	280	193	1.3	CRMI 28/63	63C 4
4.9	286.4	189	1.5	CB 85	63C 4
3.5	400	280	1.1	CRMI 40/70	63C 4
3.0	460	286	1.1	CB 85	63C 4
2.3	600	361	1.4	CRMI 40/85	63C 4
1.4	980	602	1.7	CRMI 50/110	63C 4
1.4	980	545	0.9	CRMI 40/85	63C 4
1.0	1372	700	1.4	CRMI 50/110	63C 4
1.0	1372	599	0.8	CRMI 40/85	63C 4
0.71	1960	927	1.1	CRMI 50/110	63C 4
0.50	2800	1153	0.9	CRMI 50/110	63C 4
0.35	4000	1000	—	CRMI 50/110	63C 4
0.25	5600	1000	—	CRMI 50/110	63C 4
0.20	7000	960	—	CRMI 50/110	63C 4
0.18	8000	860	—	CRMI 50/110	63C 4
0.14	10000	700	—	CRMI 50/110	63C 4

0.25 kW		$n_1 = 2790 \text{ min}^{-1}$	63B 2
		$n_1 = 1370 \text{ min}^{-1}$	71A 4
		$n_1 = 870 \text{ min}^{-1}$	71B 6

399	7	5	5.4	RMI 40	63B 2
399	7	5	2.2	RMI 28	63B 2
279	10	7	4.4	RMI 40	63B 2
279	10	7	1.9	RMI 28	63B 2
196	7	10	6.6	RMI 50	71A 4
196	7	10	3.7	RMI 40	71A 4
137	10	14	5.1	RMI 50	71A 4
137	10	14	3.0	RMI 40	71A 4
124	7	16	5.1	RMI 50	71B 6
124	7	16	2.8	RMI 40	71B 6
91	15	21	3.6	RMI 50	71A 4
91	15	20	2.1	RMI 40	71A 4
69	20	26	2.8	RMI 50	71A 4
69	20	25	1.5	RMI 40	71A 4
58	15	33	2.7	RMI 50	71B 6
58	15	31	1.6	RMI 40	71B 6
49	28	34	2.3	RMI 50	71A 4
49	28	33	1.3	RMI 40	71A 4
44	20	41	2.1	RMI 50	71B 6
44	20	38	1.1	RMI 40	71B 6
34	40	47	3.1	RMI 63	71A 4
34	40	46	1.8	RMI 50	71A 4

2.7 Gearmotors performances

n_2 min ⁻¹	ir	T2 Nm	FS'		
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0.25 kW		$n_1 = 2790 \text{ min}^{-1}$	63B 2
		$n_1 = 1370 \text{ min}^{-1}$	71A 4
		$n_1 = 870 \text{ min}^{-1}$	71B 6

31	28	52	3.0	RMI 63	71B 6
31	28	51	1.8	RMI 50	71B 6
31	28	49	1.0	RMI 40	71B 6
28	48.3	65	1.6	CB 50	71A 4
28	49	55	3.0	RMI 70	71A 4
28	49	55	2.3	RMI 63	71A 4
28	49	54	1.3	RMI 50	71A 4
26	52.1	69	1.6	CB 50	71A 4
24	56	61	2.8	RMI 70	71A 4
24	56	61	2.1	RMI 63	71A 4
24	56	59	1.2	RMI 50	71A 4
23	59.1	76	3.1	CB 70	71A 4
22	61.0	80	1.3	CB 50	71A 4
22	40	70	2.4	RMI 63	71B 6
22	40	69	1.3	RMI 50	71B 6
19.7	69.6	90	2.6	CB 70	71A 4
19.6	70	70	2.1	RMI 70	71A 4
19.6	70	71	1.7	RMI 63	71A 4
19.6	70	68	0.9	RMI 50	71A 4
18.7	73.3	82	1.3	CB 50	71A 4
17.1	80	75	1.9	RMI 70	71A 4
17.1	80	77	1.4	RMI 63	71A 4
17.1	80	71	0.8	RMI 50	71A 4
16.7	52.1	106	1.0	CB 50	71B 6
16.6	82.6	92	2.2	CB 70	71A 4
15.5	56	89	2.1	RMI 70	71B 6
15.5	56	89	1.6	RMI 63	71B 6
15.5	56	86	0.9	RMI 50	71B 6
15.2	90.2	101	1.1	CB 50	71A 4
14.1	97.2	104	1.1	CB 50	71A 4
13.7	100	89	1.4	RMI 70	71A 4
13.7	100	89	1.1	RMI 63	71A 4
12.4	70	104	1.6	RMI 70	71B 6
12.4	70	104	1.3	RMI 63	71B 6
12.4	110.3	118	1.9	CB 70	71A 4
12.0	113.9	122	0.9	CB 50	71A 4
10.9	80	110	1.5	RMI 70	71B 6
10.9	80	112	1.1	RMI 63	71B 6
10.5	130.0	139	1.6	CB 70	71A 4
9.8	140	144	3.5	CRMI 40/85	71A 4
9.8	140	140	1.7	CRMI 40/63	71A 4
9.8	140	136	0.8	CRMI 40/50	71A 4
8.2	166.1	162	1.4	CB 70	71A 4
8.2	167.6	169	2.3	CB 85	71A 4
6.9	200	195	2.6	CRMI 40/85	71A 4
6.9	200	189	1.3	CRMI 40/63	71A 4
6.1	225.4	216	2.0	CB 85	71A 4
6.0	227.5	210	1.2	CB 70	71A 4
4.9	280	225	2.2	CRMI 40/85	71A 4
4.9	280	229	1.1	CRMI 40/63	71A 4
4.8	286.4	220	1.3	CB 85	71A 4
4.5	302.9	264	1.0	CB 70	71A 4
4.0	342.1	262	1.1	CB 85	71A 4
3.4	400	360	2.8	CRMI 50/110	71A 4

2.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'		
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0.25 kW		$n_1 = 2790 \text{ min}^{-1}$	63B 2
		$n_1 = 1370 \text{ min}^{-1}$	71A 4
		$n_1 = 870 \text{ min}^{-1}$	71B 6

3.4	400	341	1.5	CRMI 40/85	71A 4
3.0	286.4	326	0.9	CB 85	71B 6
2.3	600	460	2.2	CRMI 50/110	71A 4
2.3	600	419	1.2	CRMI 40/85	71A 4
1.4	980	721	2.5	CRMI 63/130	71A 4
1.4	980	699	1.4	CRMI 50/110	71A 4
1.0	1372	826	2.2	CRMI 63/130	71A 4
1.0	1372	813	1.2	CRMI 50/110	71A 4
0.70	1960	1093	1.6	CRMI 63/130	71A 4
0.70	1960	1076	0.9	CRMI 50/110	71A 4
0.49	2800	1358	1.3	CRMI 63/130	71A 4
0.34	4000	1671	1.1	CRMI 63/130	71A 4
0.20	7000	1700	—	CRMI 63/130	71A 4
0.17	8000	1600	—	CRMI 63/130	71A 4
0.14	10000	1250	—	CRMI 63/130	71A 4

0.37 kW		$n_1 = 2790 \text{ min}^{-1}$	63C 2
		$n_1 = 2790 \text{ min}^{-1}$	71A 2
		$n_1 = 1380 \text{ min}^{-1}$	71B 4
		$n_1 = 910 \text{ min}^{-1}$	80A 6

399	7	7	3.6	RMI 40	71A 2
399	7	7	3.6	RMI 40	63C 2
399	7	7	1.5	RMI 28	63C 2
279	10	11	2.9	RMI 40	71A 2
279	10	11	2.9	RMI 40	63C 2
279	10	10	1.3	RMI 28	63C 2
197	7	15	4.5	RMI 50	71B 4
197	7	15	2.5	RMI 40	71B 4
186	15	16	3.7	RMI 50	71A 2
186	15	15	2.1	RMI 40	71A 2
186	15	15	2.1	RMI 40	63C 2
140	20	20	2.8	RMI 50	71A 2
140	20	19	1.5	RMI 40	71A 2
140	20	19	1.5	RMI 40	63C 2
138	10	21	3.5	RMI 50	71B 4
138	10	21	2.0	RMI 40	71B 4
92	15	31	2.5	RMI 50	71B 4
92	15	30	1.4	RMI 40	71B 4
69	20	39	3.4	RMI 63	71B 4
69	20	39	1.9	RMI 50	71B 4
69	20	37	1.0	RMI 40	71B 4
49	28	51	2.7	RMI 63	71B 4
49	28	50	1.6	RMI 50	71B 4
49	28	48	0.9	RMI 40	71B 4
38	73.3	62	1.5	CB 50	71A 2
35	40	69	2.1	RMI 63	71B 4
35	40	68	1.2	RMI 50	71B 4
31	44.3	86	2.4	CB 70	71B 4
29	48.3	95	1.1	CB 50	71B 4
28	49	80	2.1	RMI 70	71B 4
28	49	80	1.6	RMI 63	71B 4
28	49	79	0.9	RMI 50	71B 4



2.7 Prestazioni motoriduttori

n_2 min ⁻¹	ir	T2 Nm	FS'		
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0.37 kW

$n_1 = 2790 \text{ min}^{-1}$ 63C 2
 $n_1 = 2790 \text{ min}^{-1}$ 71A 2
 $n_1 = 1380 \text{ min}^{-1}$ 71B 4
 $n_1 = 910 \text{ min}^{-1}$ 80A 6

27	50.8	99	2.1	CB 70	71B 4
26	52.1	101	1.1	CB 50	71B 4
25	56	89	1.9	RMI 70	71B 4
25	56	89	1.4	RMI 63	71B 4
25	56	86	0.8	RMI 50	71B 4
23	59.1	112	2.1	CB 70	71B 4
23	61.0	118	0.9	CB 50	71B 4
19.8	69.6	132	1.8	CB 70	71B 4
19.7	70	102	1.5	RMI 70	71B 4
19.7	70	104	1.1	RMI 63	71B 4
18.8	73.3	120	0.9	CB 50	71B 4
17.3	80	111	1.3	RMI 70	71B 4
17.3	80	113	1.0	RMI 63	71B 4
17.2	80.2	133	2.9	CB 85	71B 4
16.7	82.6	135	1.5	CB 70	71B 4
15.4	59.1	168	3.0	CB 85	80A 6
15.4	59.1	165	1.6	CB 70	80A 6
13.8	100	131	1.0	RMI 70	71B 4
12.5	110.3	174	1.3	CB 70	71B 4
12.5	110.4	175	2.5	CB 85	71B 4
11.4	80	168	1.6	RMI 85	80A 6
11.4	80	155	1.0	RMI 70	80A 6
10.7	128.8	204	2.1	CB 85	71B 4
10.6	130.0	205	1.1	CB 70	71B 4
9.9	140	211	2.4	CRMI 40/85	71B 4
9.9	140	205	1.2	CRMI 40/63	71B 4
9.1	100	194	1.3	RMI 85	80A 6
8.3	166.1	238	0.9	CB 70	71B 4
8.2	167.6	249	1.6	CB 85	71B 4
7.1	128.8	295	1.6	CB 85	80A 6
7.0	130.0	298	0.9	CB 70	80A 6
6.9	200	298	3.4	CRMI 50/110	71B 4
6.9	200	286	1.7	CRMI 40/85	71B 4
6.9	200	278	0.9	CRMI 40/63	71B 4
6.1	225.4	317	1.4	CB 85	71B 4
6.1	227.5	309	0.8	CB 70	71B 4
5.4	167.6	364	2.7	CB 110	80A 6
4.9	280	359	2.8	CRMI 50/110	71B 4
4.9	280	331	1.5	CRMI 40/85	71B 4
4.9	280	331	0.9	CRMI 40/70	71B 4
4.8	286.4	323	0.9	CB 85	71B 4
4.0	225.4	490	2.0	CB 110	80A 6
4.0	225.4	455	1.1	CB 85	80A 6
3.5	400	529	1.9	CRMI 50/110	71B 4
3.5	400	501	1.0	CRMI 40/85	71B 4
3.2	286.4	506	1.2	CB 110	80A 6
2.3	394.1	643	1.0	CB 110	80A 6
2.3	600	664	2.7	CRMI 63/130	71B 4
2.3	600	676	1.5	CRMI 50/110	71B 4
2.3	600	615	0.8	CRMI 40/85	71B 4
2.0	460.0	750	0.9	CB 110	80A 6
1.4	980	1060	1.7	CRMI 63/130	71B 4
1.4	980	1028	1.0	CRMI 50/110	71B 4
1.0	1372	1214	1.5	CRMI 63/130	71B 4

2.7 Gearmotors performances

n_2 min ⁻¹	ir	T2 Nm	FS'		
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0.37 kW

$n_1 = 2790 \text{ min}^{-1}$ 63C 2
 $n_1 = 2790 \text{ min}^{-1}$ 71A 2
 $n_1 = 1380 \text{ min}^{-1}$ 71B 4
 $n_1 = 910 \text{ min}^{-1}$ 80A 6

1.0	1372	1195	0.8	CRMI 50/110	71B 4
0.70	1960	1606	1.1	CRMI 63/130	71B 4
0.49	2800	1996	0.9	CRMI 63/130	71B 4
0.35	4000	1800	—	CRMI 63/130	71B 4
0.25	5600	1700	—	CRMI 63/130	71B 4
0.20	7000	1700	—	CRMI 63/130	71B 4
0.17	8000	1600	—	CRMI 63/130	71B 4
0.14	10000	1250	—	CRMI 63/130	71B 4

0.55 kW

$n_1 = 2800 \text{ min}^{-1}$ 71B 2
 $n_1 = 1380 \text{ min}^{-1}$ 71C 4
 $n_1 = 1390 \text{ min}^{-1}$ 80A 4
 $n_1 = 910 \text{ min}^{-1}$ 80B 6

400	7	11	4.5	RMI 50	71B 2
400	7	11	2.4	RMI 40	71B 2
280	10	16	3.5	RMI 50	71B 2
280	10	16	2.0	RMI 40	71B 2
199	7	22	3.1	RMI 50	80A 4
197	7	22	3.0	RMI 50	71C 4
197	7	22	1.7	RMI 40	71C 4
187	15	23	1.4	RMI 40	71B 2
140	20	29	1.0	RMI 40	71B 2
139	10	31	2.4	RMI 50	80A 4
138	10	31	2.3	RMI 50	71C 4
138	10	31	1.4	RMI 40	71C 4
130	7	34	2.4	RMI 50	80B 6
100	28	39	2.7	RMI 63	71B 2
100	28	39	1.6	RMI 50	71B 2
93	15	45	3.2	RMI 70	80A 4
93	15	45	2.9	RMI 63	80A 4
93	15	45	1.7	RMI 50	80A 4
92	15	46	1.7	RMI 50	71C 4
92	15	44	1.0	RMI 40	71C 4
70	20	58	2.6	RMI 70	80A 4
70	20	58	2.3	RMI 63	80A 4
70	20	57	1.3	RMI 50	80A 4
69	20	58	1.3	RMI 50	71C 4
63	44.3	65	2.6	CB 70	71B 2
58	48.3	72	1.2	CB 50	71B 2
54	52.1	77	1.2	CB 50	71B 2
50	28	75	2.0	RMI 70	80A 4
50	28	75	1.8	RMI 63	80A 4
50	28	74	1.1	RMI 50	80A 4
49	28	76	1.8	RMI 63	71C 4
49	28	75	1.1	RMI 50	71C 4
46	61.0	90	1.0	CB 50	71B 2
46	20	87	2.0	RMI 70	80B 6
46	20	87	1.8	RMI 63	80B 6
46	20	85	1.0	RMI 50	80B 6
40	69.6	101	1.9	CB 70	71B 2
38	73.3	92	1.0	CB 50	71B 2
35	40	101	1.6	RMI 70	80A 4
35	40	101	1.4	RMI 63	80A 4

2.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'		
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0.55 kW

$n_1 = 2800 \text{ min}^{-1}$ 71B 2
 $n_1 = 1380 \text{ min}^{-1}$ 71C 4
 $n_1 = 1390 \text{ min}^{-1}$ 80A 4
 $n_1 = 910 \text{ min}^{-1}$ 80B 6

35	40	102	1.4	RMI 63	71C 4
35	40	100	0.8	RMI 50	71C 4
31	44.3	127	1.6	CB 70	80A 4
31	44.3	128	1.6	CB 70	71C 4
31	90.2	113	0.8	CB 50	71B 2
28	49	120	2.4	RMI 85	80A 4
28	49	119	1.4	RMI 70	80A 4
28	49	119	1.1	RMI 63	80A 4
28	49	119	1.4	RMI 70	71C 4
28	49	119	1.0	RMI 63	71C 4
27	50.8	146	1.4	CB 70	80A 4
27	50.8	147	1.4	CB 70	71C 4
27	51.3	149	2.7	CB 85	80A 4
25	56	140	2.0	RMI 85	80A 4
25	56	131	1.3	RMI 70	80A 4
25	56	131	1.0	RMI 63	80A 4
25	56	132	1.3	RMI 70	71C 4
25	56	132	1.0	RMI 63	71C 4
24	59.1	167	2.7	CB 85	80A 4
24	59.1	165	1.4	CB 70	80A 4
23	59.1	169	2.7	CB 85	71C 4
23	59.1	166	1.4	CB 70	71C 4
20	69.0	196	2.3	CB 85	80A 4
20	69.0	197	2.3	CB 85	71C 4
20	69.6	195	1.2	CB 70	80A 4
19.9	70	161	1.6	RMI 85	80A 4
19.9	70	151	1.0	RMI 70	80A 4
19.8	69.6	196	1.2	CB 70	71C 4
19.7	70	152	1.0	RMI 70	71C 4
17.4	80	175	1.4	RMI 85	80A 4
17.4	80	163	0.9	RMI 70	80A 4
17.3	80.2	197	1.9	CB 85	80A 4
17.3	80	164	0.9	RMI 70	71C 4
17.2	80.2	198	1.9	CB 85	71C 4
16.8	82.6	200	1.0	CB 70	80A 4
16.7	82.6	201	1.0	CB 70	71C 4
16.3	56	187	1.0	RMI 70	80B 6
15.4	59.1	246	1.1	CB 70	80B 6
13.9	100	200	1.1	RMI 85	80A 4
13.0	70	230	1.3	RMI 85	80B 6
12.6	110.3	256	0.9	CB 70	80A 4
12.6	110.4	275	3.3	CB 110	80A 4
12.6	110.4	259	1.7	CB 85	80A 4
12.5	110.3	258	0.9	CB 70	71C 4
12.5	110.4	261	1.7	CB 85	71C 4
10.8	128.8	321	2.8	CB 110	80A 4
10.8	128.8	302	1.4	CB 85	80A 4
10.7	128.8	304	1.4	CB 85	71C 4
9.9	140	320	3.1	CRMI 50/110	80A 4
9.9	140	316	1.6	CRMI 50/85	80A 4
9.9	140	302	0.9	CRMI 50/70	80A 4
9.9	140	318	1.6	CRMI 50/85	71C 4
9.9	140	304	0.9	CRMI 50/70	71C 4
8.3	167.6	393	2.0	CB 110	80A 4



2.7 Prestazioni motoriduttori

n_2 min ⁻¹	ir	T2 Nm	FS'		
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0.55 kW	$n_1 = 2800 \text{ min}^{-1}$	71B 2
	$n_1 = 1380 \text{ min}^{-1}$	71C 4
	$n_1 = 1390 \text{ min}^{-1}$	80A 4
	$n_1 = 910 \text{ min}^{-1}$	80B 6
	$n_1 = 910 \text{ min}^{-1}$	80B 6

8.3	167.6	367	1.1	CB 85	80A 4
8.2	167.6	370	1.0	CB 85	71C 4
7.1	128.8	468	2.1	CB 110	80B 6
7.1	128.8	439	1.1	CB 85	80B 6
7.0	200	440	2.3	CRMI 50/110	80A 4
7.0	200	428	1.2	CRMI 50/85	80A 4
6.9	200	443	2.3	CRMI 50/110	71C 4
6.9	200	431	1.2	CRMI 50/85	71C 4
6.2	225.4	503	1.8	CB 110	80A 4
6.2	225.4	468	0.9	CB 85	80A 4
6.1	225.4	472	0.9	CB 85	71C 4
5.0	280	536	3.0	CRMI 63/130	80A 4
5.0	280	529	1.9	CRMI 50/110	80A 4
5.0	280	495	1.0	CRMI 50/85	80A 4
4.9	280	540	3.0	CRMI 63/130	71C 4
4.9	280	533	1.9	CRMI 50/110	71C 4
4.9	280	492	1.0	CRMI 40/85	71C 4
4.9	286.4	530	1.1	CB 110	80A 4
3.5	394.1	678	0.9	CB 110	80A 4
3.5	400	771	2.3	CRMI 63/130	80A 4
3.5	400	907	2.0	CRMI 63/130	80A 4
3.5	400	781	1.3	CRMI 50/110	80A 4
2.3	600	979	1.8	CRMI 63/130	80A 4
2.3	600	998	1.0	CRMI 50/110	80A 4
2.3	600	987	1.8	CRMI 63/130	71C 4
2.3	600	1005	1.0	CRMI 50/110	71C 4
1.4	980	1637	2.8	CRMI 85/180	80A 4
1.4	980	1637	1.8	CRMI 85/150	80A 4
1.4	980	1564	1.2	CRMI 63/130	80A 4
1.4	980	1576	1.1	CRMI 63/130	71C 4
1.0	1372	1955	2.4	CRMI 85/180	80A 4
1.0	1372	1921	1.5	CRMI 85/150	80A 4
1.0	1372	1792	1.0	CRMI 63/130	80A 4
1.0	1372	1805	1.0	CRMI 63/130	71C 4
0.71	1960	2503	1.8	CRMI 85/180	80A 4
0.71	1960	2503	1.2	CRMI 85/150	80A 4
0.50	2800	3227	1.2	CRMI 85/180	80A 4
0.50	2800	3227	0.9	CRMI 85/150	80A 4
0.35	4000	3925	1.1	CRMI 85/180	80A 4
0.25	5600	5271	0.9	CRMI 85/180	80A 4
0.20	7000	5748	0.8	CRMI 85/180	80A 4
0.17	8000	4200	—	CRMI 85/180	80A 4
0.14	10000	3300	—	CRMI 85/180	80A 4

2.7 Gearmotors performances

n_2 min ⁻¹	ir	T2 Nm	FS'		
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0.75 kW	$n_1 = 2820 \text{ min}^{-1}$	71C 2
	$n_1 = 2820 \text{ min}^{-1}$	80A 2
	$n_1 = 1390 \text{ min}^{-1}$	80B 4
	$n_1 = 910 \text{ min}^{-1}$	80C 6
	$n_1 = 920 \text{ min}^{-1}$	90S 6

403	7	15	3.3	RMI 50	80A 2
400	7	15	3.3	RMI 50	71C 2
282	10	21	2.6	RMI 50	80A 2
280	10	21	2.6	RMI 50	71C 2
199	7	30	3.8	RMI 63	80B 4
199	7	30	2.2	RMI 50	80B 4
139	10	43	3.3	RMI 70	80B 4
139	10	43	2.9	RMI 63	80B 4
139	10	42	1.7	RMI 50	80B 4
131	7	46	3.5	RMI 70	90S 6
131	7	46	3.0	RMI 63	90S 6
101	28	53	2.0	RMI 63	80A 2
101	28	53	1.2	RMI 50	80A 2
100	28	54	2.0	RMI 63	71C 2
100	28	53	1.2	RMI 50	71C 2
93	15	62	2.3	RMI 70	80B 4
93	15	62	2.1	RMI 63	80B 4
93	15	62	1.2	RMI 50	80B 4
70	20	79	1.9	RMI 70	80B 4
70	20	79	1.7	RMI 63	80B 4
70	20	78	0.9	RMI 50	80B 4
56	50.8	101	1.7	CB 70	80A 2
50	28	102	1.4	RMI 70	80B 4
50	28	102	1.3	RMI 63	80B 4
41	69.6	136	1.4	CB 70	80A 2
40	69.6	137	1.4	CB 70	71C 2
35	40	138	1.2	RMI 70	80B 4
35	40	138	1.0	RMI 63	80B 4
34	82.6	143	1.2	CB 70	80A 2
34	82.6	144	1.2	CB 70	71C 2
31	44.3	173	1.2	CB 70	80B 4
28	49	164	1.7	RMI 85	80B 4
28	49	162	1.0	RMI 70	80B 4
27	50.8	199	1.0	CB 70	80B 4
27	51.3	204	2.0	CB 85	80B 4
25	56	190	1.5	RMI 85	80B 4
25	56	179	0.9	RMI 70	80B 4
24	59.1	228	2.0	CB 85	80B 4
24	59.1	225	1.0	CB 70	80B 4
20	69.0	270	3.3	CB 110	80B 4
20	69.0	267	1.7	CB 85	80B 4
20	69.6	265	0.9	CB 70	80B 4
19.9	70	220	1.2	RMI 85	80B 4
17.4	80	239	1.0	RMI 85	80B 4
17.3	80.2	285	2.8	CB 110	80B 4
17.3	80.2	269	1.4	CB 85	80B 4
16.4	56	279	1.9	RMI 110	90S 6
16.4	56	270	1.2	RMI 85	90S 6
13.1	70	327	1.7	RMI 110	90S 6
13.1	70	311	1.0	RMI 85	90S 6
12.6	110.4	375	2.4	CB 110	80B 4
12.6	110.4	353	1.2	CB 85	80B 4
11.5	80	361	1.5	RMI 110	90S 6
11.5	80	336	0.8	RMI 85	90S 6

2.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'		
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0.75 kW	$n_1 = 2820 \text{ min}^{-1}$	71C 2
	$n_1 = 2820 \text{ min}^{-1}$	80A 2
	$n_1 = 1390 \text{ min}^{-1}$	80B 4
	$n_1 = 910 \text{ min}^{-1}$	80C 6
	$n_1 = 920 \text{ min}^{-1}$	90S 6

10.8	128.8	438	2.1	CB 110	80B 4
10.8	128.8	411	1.0	CB 85	80B 4
9.9	140	436	2.3	CRMI 50/110	80B 4
9.9	140	430	1.2	CRMI 50/85	80B 4
8.3	167.6	535	1.5	CB 110	80B 4
7.1	128.8	632	1.6	CB 110	90S 6
7.1	128.8	592	0.8	CB 85	90S 6
7.1	128.8	639	1.6	CB 110	80C 6
7.1	128.8	598	0.8	CB 85	80C 6
7.0	200	607	3.0	CRMI 63/130	80B 4
7.0	200	600	1.7	CRMI 50/110	80B 4
7.0	200	583	0.9	CRMI 50/85	80B 4
6.2	225.4	685	1.3	CB 110	80B 4
5.0	280	730	2.2	CRMI 63/130	80B 4
5.0	280	722	1.4	CRMI 50/110	80B 4
4.9	286.4	723	0.8	CB 110	80B 4
4.1	225.4	983	1.0	CB 110	90S 6
4.0	225.4	993	1.0	CB 110	80C 6
3.5	400	1051	1.7	CRMI 63/130	80B 4
3.5	400	1237	1.5	CRMI 63/130	80B 4
3.5	400	1065	0.9	CRMI 50/110	80B 4
2.3	600	1336	1.3	CRMI 63/130	80B 4
1.4	980	2232	2.1	CRMI 85/180	80B 4
1.4	980	2232	1.3	CRMI 85/150	80B 4
1.4	980	2133	0.8	CRMI 63/130	80B 4
1.0	1372	2665	1.7	CRMI 85/180	80B 4
1.0	1372	2619	1.1	CRMI 85/150	80B 4
0.71	1960	3414	1.3	CRMI 85/180	80B 4
0.71	1960	3414	0.8	CRMI 85/150	80B 4
0.50	2800	4401	0.9	CRMI 85/180	80B 4
0.35	4000	5353	0.8	CRMI 85/180	80B 4
0.25	5600	4600	—	CRMI 85/180	80B 4
0.20	7000	4600	—	CRMI 85/180	80B 4
0.17	8000	4200	—	CRMI 85/180	80B 4
0.14	10000	3300	—	CRMI 85/180	80B 4

0.88 kW	$n_1 = 1350 \text{ min}^{-1}$	80C 4

193	7	37	3.1	RMI 63	80C 4
193	7	37	1.9	RMI 50	80C 4
135	10	52	2.7	RMI 70	80C 4
135	10	52	2.4	RMI 63	80C 4
135	10	51	1.4	RMI 50	80C 4
90	15	75	1.9	RMI 70	80C 4
90	15	75	1.8	RMI 63	80C 4
90	15	75	1.0	RMI 50	80C 4
68	20	96	1.6	RMI 70	80C 4
68	20	96	1.4	RMI 63	80C 4
48	28	124	1.2	RMI 70	80C 4
48	28	124	1.1	RMI 63	80C 4



STANDARD *line*

2.7 Prestazioni motoriduttori

2.7 Gearmotors performances

2.7 Leistungen der
Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'		
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n_2 min ⁻¹	ir	T2 Nm	FS'		
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n_2 min ⁻¹	ir	T2 Nm	FS'		
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0.88 kW	$n_1 = 1350 \text{ min}^{-1}$	80C 4
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1.1 kW	$n_1 = 2830 \text{ min}^{-1}$ 80B 2 $n_1 = 1390 \text{ min}^{-1}$ 80D 4 $n_1 = 1400 \text{ min}^{-1}$ 90S 4 $n_1 = 920 \text{ min}^{-1}$ 90L 6
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1.1 kW	$n_1 = 2830 \text{ min}^{-1}$ 80B 2 $n_1 = 1390 \text{ min}^{-1}$ 80D 4 $n_1 = 1400 \text{ min}^{-1}$ 90S 4 $n_1 = 920 \text{ min}^{-1}$ 90L 6
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34	40	172	1.8	RMI 85	80C 4
34	40	167	1.0	RMI 70	80C 4
34	40	167	0.9	RMI 63	80C 4
31	43.0	206	2.0	CB 85	80C 4
30	44.3	210	1.0	CB 70	80C 4
28	49	198	1.4	RMI 85	80C 4
28	49	195	0.9	RMI 70	80C 4
27	50.8	240	0.9	CB 70	80C 4
26	51.3	246	1.6	CB 85	80C 4
24	56	230	1.2	RMI 85	80C 4
23	59.1	276	1.6	CB 85	80C 4
23	59.1	272	0.9	CB 70	80C 4
19.6	69.0	322	1.4	CB 85	80C 4
19.3	70	266	1.0	RMI 85	80C 4
16.9	80	289	0.8	RMI 85	80C 4
16.8	80.2	344	2.3	CB 110	80C 4
16.8	80.2	325	1.2	CB 85	80C 4
12.2	110.4	454	2.0	CB 110	80C 4
12.2	110.4	426	1.0	CB 85	80C 4
10.5	128.8	529	1.7	CB 110	80C 4
10.5	128.8	497	0.9	CB 85	80C 4
9.6	140	527	1.9	CRMI 50/110	80C 4
9.6	140	520	1.0	CRMI 50/85	80C 4
8.1	167.6	647	1.2	CB 110	80C 4
6.8	200	734	2.5	CRMI 63/130	80C 4
6.8	200	725	1.4	CRMI 50/110	80C 4
6.0	225.4	828	1.1	CB 110	80C 4
4.8	280	883	1.8	CRMI 63/130	80C 4
4.8	280	872	1.1	CRMI 50/110	80C 4
3.4	400	1270	1.4	CRMI 63/130	80C 4
2.3	600	1614	1.1	CRMI 63/130	80C 4
1.4	980	2697	1.7	CRMI 85/180	80C 4
1.4	980	2697	1.1	CRMI 85/150	80C 4
0.98	1372	3220	1.4	CRMI 85/180	80C 4
0.98	1372	3164	0.9	CRMI 85/150	80C 4
0.69	1960	4124	1.1	CRMI 85/180	80C 4
0.48	2800	3900	—	CRMI 85/180	80C 4
0.34	4000	4400	—	CRMI 85/180	80C 4
0.24	5600	4600	—	CRMI 85/180	80C 4
0.19	7000	4600	—	CRMI 85/180	80C 4
0.17	8000	4200	—	CRMI 85/180	80C 4
0.14	10000	3300	—	CRMI 85/180	80C 4

199	7	45	2.9	RMI 70	80D 4
199	7	44	2.6	RMI 63	80D 4
189	15	46	2.4	RMI 70	80B 2
189	15	46	2.1	RMI 63	80B 2
189	15	46	1.3	RMI 50	80B 2
142	20	59	1.0	RMI 50*	80B 2
140	10	63	4.4	RMI 85	90S 4
140	10	62	2.3	RMI 70	90S 4
140	10	62	2.0	RMI 63	90S 4
139	10	63	2.3	RMI 70	80D 4
139	10	63	2.0	RMI 63	80D 4
139	10	62	1.2	RMI 50	80D 4
131	7	67	2.4	RMI 70	90L 6
131	7	67	2.0	RMI 63	90L 6
93	15	91	3.1	RMI 85	90S 4
93	15	90	1.6	RMI 70	90S 4
93	15	90	1.5	RMI 63	90S 4
93	15	91	1.6	RMI 70	80D 4
93	15	91	1.4	RMI 63	80D 4
93	15	91	0.8	RMI 50	80D 4
70	20	119	2.6	RMI 85	90S 4
70	20	116	1.3	RMI 70	90S 4
70	20	116	1.2	RMI 63	90S 4
70	20	116	1.3	RMI 70	80D 4
70	20	116	1.2	RMI 63	80D 4
64	44.3	128	1.3	CB 70	80B 2
61	15	135	2.5	RMI 85	90L 6
61	15	134	1.3	RMI 70	90L 6
61	15	134	1.1	RMI 63	90L 6
56	50.8	147	1.2	CB 70	80B 2
55	51.3	150	2.2	CB 85	80B 2
50	28	151	1.8	RMI 85	90S 4
50	28	149	1.0	RMI 70	90S 4
50	28	149	0.9	RMI 63	90S 4
50	28	150	1.0	RMI 70	80D 4
50	28	150	0.9	RMI 63	80D 4
46	20	176	2.1	RMI 85	90L 6
46	20	171	1.0	RMI 70	90L 6
46	20	171	0.9	RMI 63	90L 6
41	69.0	200	1.9	CB 85	80B 2
41	69.6	199	1.0	CB 70	80B 2
35	40	216	3.0	RMI 110	90S 4
35	40	207	1.5	RMI 85	90S 4
35	40	201	0.8	RMI 70	90S 4
35	40	209	1.5	RMI 85	80D 4
35	40	203	0.80	RMI 70	80D 4
34	82.6	208	0.8	CB 70	80B 2
33	43.0	252	3.1	CB 110	90S 4
33	43.0	248	1.6	CB 85	90S 4
32	43.0	253	3.0	CB 110	80D 4
32	43.0	250	1.6	CB 85	80D 4
32	44.3	253	0.8	CB 70	90S 4
31	44.3	254	0.8	CB 70	80D 4
29	49	254	2.3	RMI 110	90S 4

29	49	239	1.2	RMI 85	90S 4
28	49	241	1.2	RMI 85	80D 4
27	51.3	300	2.6	CB 110	90S 4
27	51.3	296	1.4	CB 85	90S 4
27	51.3	302	2.5	CB 110	80D 4
27	51.3	299	1.3	CB 85	80D 4
25	56	290	1.6	RMI 110	90S 4
25	56	277	1.0	RMI 85	90S 4
25	56	279	1.0	RMI 85	80D 4
24	59.1	337	2.6	CB 110	90S 4
24	59.1	333	1.4	CB 85	90S 4
24	59.1	339	2.6	CB 110	80D 4
24	59.1	335	1.3	CB 85	80D 4
20	69.0	393	2.2	CB 110	90S 4
20	69.0	388	1.2	CB 85	90S 4
20	69.0	396	2.2	CB 110	80D 4
20	69.0	391	1.2	CB 85	80D 4
20	70	336	1.4	RMI 110	90S 4
20	70	320	0.8	RMI 85	90S 4
19.9	70	323	0.8	RMI 85	80D 4
17.5	80	372	1.3	RMI 110	90S 4
17.5	80.2	415	1.9	CB 110	90S 4
17.5	80.2	391	1.0	CB 85	90S 4
17.3	80.2	418	1.9	CB 110	80D 4
17.3	80.2	394	1.0	CB 85	80D 4
16.4	56	396	0.8	RMI 85	90L 6
15.6	59.1	499	2.0	CB 110	90L 6
15.6	59.1	493	1.0	CB 85	90L 6
14.0	100	428	1.0	RMI 110	90S 4
12.7	110.4	547	1.6	CB 110	90S 4
12.7	110.4	514	0.8	CB 85	90S 4
12.6	110.4	551	1.6	CB 110	80D 4
11.5	80	530	1.1	RMI 110	90L 6
10.9	128.8	638	1.4	CB 110	90S 4
10.8	128.8	642	1.4	CB 110	80D 4
10.0	140	644	2.6	CRMI 63/130	90S 4
10.0	140	635	1.6	CRMI 63/110	90S 4
10.0	140	627	0.80	CRMI 63/85	90S 4
9.9	140	649	2.6	CRMI 63/130	80D 4
9.9	140	640	1.6	CRMI 63/110	80D 4
9.2	100	605	0.8	RMI 110	90L 6
8.4	167.6	780	1.0	CB 110	90S 4
8.3	167.6	785	1.0	CB 110	80D 4
7.0	200	920	3.1	CRMI 85/150	90S 4
7.0	200	884	2.0	CRMI 63/130	90S 4
7.0	200	884	1.1	CRMI 63/110	90S 4
7.0	200	891	2.0	CRMI 63/130	80D 4
7.0	200	891	1.1	CRMI 63/110	80D 4
6.2	225.4	998	0.9	CB 110	90S 4
6.2	225.4	1005	0.9	CB 110	80D 4
5.0	280	1147	3.2	CRMI 85/180	90S 4
5.0	280	1112	2.3	CRMI 85/150	90S 4
5.0	280	1064	1.5	CRMI 63/130	90S 4
5.0	280	1064	0.9	CRMI 63/110	90S 4

1.1 kW	$n_1 = 2830 \text{ min}^{-1}$ 80B 2 $n_1 = 1390 \text{ min}^{-1}$ 80D 4 $n_1 = 1400 \text{ min}^{-1}$ 90S 4 $n_1 = 920 \text{ min}^{-1}$ 90L 6
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404	7	22	3.8	RMI 63	80B 2
404	7	22	2.3	RMI 50	80B 2
283	10	31	3.0	RMI 63	80B 2
283	10	31	1.8	RMI 50	80B 2
200	7	45	3.0	RMI 70	90S 4
200	7	44	2.6	RMI 63	90S 4



2.7 Prestazioni motoriduttori

n_2 min ⁻¹	ir	T2 Nm	FS'		
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1.1 kW	$n_1 = 2830 \text{ min}^{-1}$	80B 2
	$n_1 = 1390 \text{ min}^{-1}$	80D 4
	$n_1 = 1400 \text{ min}^{-1}$	90S 4
	$n_1 = 925 \text{ min}^{-1}$	90L 6
		90LB 6

5.0	280	1071	1.5	CRMI 63/130	80D 4
5.0	280	1071	0.9	CRMI 63/110	80D 4
3.5	400	1684	2.7	CRMI 85/180	90S 4
3.5	400	1660	1.7	CRMI 85/150	90S 4
3.5	400	1531	1.2	CRMI 63/130	90S 4
3.5	400	1542	1.2	CRMI 63/130	80D 4
2.3	600	2079	2.0	CRMI 85/180	90S 4
2.3	600	2042	1.4	CRMI 85/150	90S 4
2.3	600	1945	0.9	CRMI 63/130	90S 4
2.3	600	1959	0.9	CRMI 63/130	80D 4
1.4	980	3250	1.4	CRMI 85/180	90S 4
1.4	980	3250	0.9	CRMI 85/150	90S 4
1.4	980	3274	1.4	CRMI 85/180	80D 4
1.4	980	3274	0.9	CRMI 85/150	80D 4
1.0	1372	3881	1.2	CRMI 85/180	90S 4
1.0	1372	3909	1.2	CRMI 85/180	80D 4
0.71	1960	4971	0.9	CRMI 85/180	90S 4
0.71	1960	5007	0.9	CRMI 85/180	80D 4
0.50	2800	3900	—	CRMI 85/180	90S 4
0.50	2800	3900	—	CRMI 85/180	80D 4
0.35	4000	4400	—	CRMI 85/180	90S 4
0.35	4000	4400	—	CRMI 85/180	80D 4
0.25	5600	4600	—	CRMI 85/180	90S 4
0.25	5600	4600	—	CRMI 85/180	80D 4
0.20	7000	4600	—	CRMI 85/180	90S 4
0.20	7000	4600	—	CRMI 85/180	80D 4
0.18	8000	4200	—	CRMI 85/180	90S 4
0.17	8000	4200	—	CRMI 85/180	80D 4
0.14	10000	3300	—	CRMI 85/180	90S 4
0.14	10000	3300	—	CRMI 85/180	80D 4

1.5 kW	$n_1 = 2830 \text{ min}^{-1}$	80C 2
	$n_1 = 2830 \text{ min}^{-1}$	90S 2
	$n_1 = 1400 \text{ min}^{-1}$	90L 4
	$n_1 = 925 \text{ min}^{-1}$	90LB 6
	$n_1 = 940 \text{ min}^{-1}$	100A 6

404	7	30	3.1	RMI 70	90S 2
404	7	30	3.1	RMI 70	80C 2
404	7	30	2.8	RMI 63	90S 2
404	7	30	2.8	RMI 63	80C 2
283	10	43	2.5	RMI 70	90S 2
283	10	43	2.5	RMI 70	80C 2
283	10	43	2.2	RMI 63	90S 2
283	10	43	2.2	RMI 63	80C 2
200	7	61	2.2	RMI 70	90L 4
200	7	60	1.9	RMI 63	90L 4
189	15	62	3.4	RMI 85	90S 2
189	15	62	1.8	RMI 70	90S 2
189	15	62	1.8	RMI 70	80C 2
189	15	62	1.6	RMI 63	90S 2
189	15	62	1.6	RMI 63	80C 2
140	10	86	3.3	RMI 85	90L 4
140	10	85	1.7	RMI 70	90L 4
140	10	85	1.5	RMI 63	90L 4

2.7 Gearmotors performances

n_2 min ⁻¹	ir	T2 Nm	FS'		
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1.5 kW	$n_1 = 2830 \text{ min}^{-1}$	80C 2
	$n_1 = 2830 \text{ min}^{-1}$	90S 2
	$n_1 = 1400 \text{ min}^{-1}$	90L 4
	$n_1 = 925 \text{ min}^{-1}$	90LB 6
	$n_1 = 940 \text{ min}^{-1}$	100A 6

134	7	90	3.3	RMI 85	100A 6
134	7	90	1.8	RMI 70	100A 6
132	7	91	3.3	RMI 85	90LB 6
101	28	106	2.0	RMI 85	90S 2
93	15	124	2.3	RMI 85	90L 4
93	15	123	1.2	RMI 70	90L 4
93	15	123	1.1	RMI 63	90L 4
70	20	162	1.9	RMI 85	90L 4
70	20	158	1.0	RMI 70	90L 4
70	20	158	0.9	RMI 63	90L 4
63	15	183	3.5	RMI 110	100A 6
63	15	181	1.8	RMI 85	100A 6
63	15	178	1.0	RMI 70	100A 6
62	15	184	1.8	RMI 85	90LB 6
62	15	181	0.9	RMI 70	90LB 6
56	50.8	201	0.8	CB 70	90S 2
56	50.8	201	0.8	CB 70	80C 2
55	51.3	205	1.6	CB 85	90S 2
55	51.3	205	1.6	CB 85	80C 2
50	28	206	1.3	RMI 85	90L 4
48	59.1	236	1.5	CB 85	90S 2
48	59.1	236	1.5	CB 85	80C 2
47	20	241	3.0	RMI 110	100A 6
41	69.0	276	2.6	CB 110	90S 2
41	69.0	272	1.4	CB 85	90S 2
35	80.2	280	1.1	CB 85	90S 2
35	80.2	280	1.1	CB 85	80C 2
35	40	295	2.2	RMI 110	90L 4
35	40	282	1.1	RMI 85	90L 4
33	43.0	343	2.2	CB 110	90L 4
33	43.0	339	1.2	CB 85	90L 4
29	49	346	1.7	RMI 110	90L 4
29	49	326	0.9	RMI 85*	90L 4
27	51.3	409	1.9	CB 110	90L 4
27	51.3	404	1.0	CB 85	90L 4
25	56	395	1.2	RMI 110	90L 4
24	59.1	460	1.9	CB 110	90L 4
24	59.1	454	1.0	CB 85	90L 4
23	40	409	0.9	RMI 85	90LB 6
20	69.0	537	1.6	CB 110	90L 4
20	69.0	530	0.9	CB 85	90L 4
20	70	458	1.1	RMI 110	90L 4
17.5	80	508	1.0	RMI 110	90L 4
17.5	80.2	566	1.4	CB 110	90L 4
16.8	56	580	1.6	RMI 130	100A 6
16.8	56	546	1.0	RMI 110	100A 6
16.5	56	555	1.0	RMI 110	90LB 6
15.9	59.1	666	1.5	CB 110	100A 6
15.7	59.1	677	1.5	CB 110	90LB 6
13.4	70	672	2.0	RMI 150	100A 6
13.4	70	661	1.4	RMI 130	100A 6
13.4	70	640	0.9	RMI 110	100A 6
13.2	70	650	0.8	RMI 110	90LB 6
12.7	110.4	746	1.2	CB 110	90L 4

2.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'		
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1.5 kW	$n_1 = 2830 \text{ min}^{-1}$	80C 2
	$n_1 = 2830 \text{ min}^{-1}$	90S 2
	$n_1 = 1400 \text{ min}^{-1}$	90L 4
	$n_1 = 925 \text{ min}^{-1}$	90LB 6
	$n_1 = 940 \text{ min}^{-1}$	100A 6

11.8	80	756	1.7	RMI 150	100A 6
11.8	80	731	1.2	RMI 130	100A 6
10.9	128.8	870	1.0	CB 110	90L 4
10.0	140	913	2.9	CRMI 85/150	90L 4
10.0	140	878	1.9	CRMI 63/130	90L 4
10.0	140	866	1.2	CRMI 63/110	90L 4
9.4	100	884	1.3	RMI 150	100A 6
9.4	100	838	0.9	RMI 130	100A 6
8.5	110.4	1060	0.9	CB 110	100A 6
8.4	110.4	1077	0.9	CB 110	90LB 6
7.3	128.8	1237	0.8	CB 110	100A 6
7.2	128.8	1257	0.80	CB 110	90LB 6
7.0	200	1272	3.2	CRMI 85/180	90L 4
7.0	200	1255	2.3	CRMI 85/150	90L 4
7.0	200	1206	1.5	CRMI 63/130	90L 4
7.0	200	1206	0.8	CRMI 63/110	90L 4
5.0	280	1564	2.4	CRMI 85/180	90L 4
5.0	280	1516	1.7	CRMI 85/150	90L 4
5.0	280	1451	1.1	CRMI 63/130	90L 4
3.5	400	2296	2.0	CRMI 85/180	90L 4
3.5	400	2263	1.3	CRMI 85/150	90L 4
3.5	400	2087	0.9	CRMI 63/130	90L 4
2.3	600	2835	1.5	CRMI 85/180	90L 4
2.3	600	2785	1.0	CRMI 85/150	90L 4
1.4	980	4432	1.0	CRMI 85/180	90L 4
1.0	1372	5293	0.9	CRMI 85/180	90L 4
0.71	1960	4600	—	CRMI 85/180	90L 4
0.50	2800	3900	—	CRMI 85/180	90L 4
0.35	4000	4400	—	CRMI 85/180	90L 4
0.25	5600	4600	—	CRMI 85/180	90L 4
0.20	7000	4600	—	CRMI 85/180	90L 4
0.18	8000	4200	—	CRMI 85/180	90L 4
0.14	10000	3300	—	CRMI 85/180	90L 4

1.8 kW	$n_1 = 2770 \text{ min}^{-1}$	80D 2
	$n_1 = 1400 \text{ min}^{-1}$	90LB 4
	$n_1 = 940 \text{ min}^{-1}$	100B 6

396	7	37	2.5	RMI 70	80D 2
396	7	37	2.2	RMI 63	80D 2
396	7	37	1.4	RMI 50*	80D 2
277	10	52	2.0	RMI 70	80D 2
277	10	52	1.8	RMI 63	80D 2
277	10	52	1.1	RMI 50*	80D 2
200	7	73	3.4	RMI 85	90LB 4
200	7	73	1.8	RMI 70	90LB 4
200	7	72	1.6	RMI 63	90LB 4
185	15	76	1.4	RMI 70	80D 2
185	15	76	1.3	RMI 63*	80D 2
140	10	103	2.7	RMI 85	90LB 4
140	10	102	1.4	RMI 70	90LB 4
140	10	102	1.2	RMI 63	90LB 4



2.7 Prestazioni motoriduttori

n_2 min ⁻¹	ir	T2 Nm	FS'		
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1.8 kW		$n_1 = 2770 \text{ min}^{-1}$ $n_1 = 1400 \text{ min}^{-1}$ $n_1 = 940 \text{ min}^{-1}$	80D 2 90LB 4 100B 6
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134	7	108	2.8	RMI 85	100B 6
134	7	108	1.5	RMI 70	100B 6
93	15	149	1.9	RMI 85	90LB 4
93	15	147	1.0	RMI 70	90LB 4
93	15	147	0.9	RMI 63*	90LB 4
70	20	194	1.6	RMI 85	90LB 4
70	20	189	0.80	RMI 70*	90LB 4
64	43.0	211	1.6	CB 85	80D 2
63	15	219	2.9	RMI 110	100B 6
63	15	223	1.5	RMI 85	100B 6
54	51.3	252	1.3	CB 85	80D 2
50	28	248	1.1	RMI 85	90LB 4
47	20	289	2.5	RMI 110	100B 6
47	20	282	1.3	RMI 85	100B 6
47	59.1	293	2.3	CB 110	80D 2
47	59.1	290	1.2	CB 85	80D 2
40	69.0	338	2.1	CB 110	80D 2
40	69.0	334	1.1	CB 85	80D 2
35	40	354	1.8	RMI 110	90LB 4
35	40	339	0.9	RMI 85*	90LB 4
35	80.2	358	1.9	CB 110	80D 2
35	80.2	343	0.9	CB 85*	80D 2
33	43.0	412	1.9	CB 110	90LB 4
33	43.0	407	1.0	CB 85	90LB 4
29	49	415	1.4	RMI 110	90LB 4
27	51.3	491	1.6	CB 110	90LB 4
27	51.3	485	0.8	CB 85	90LB 4
25	56	474	1.0	RMI 110	90LB 4
24	59.1	552	1.6	CB 110	90LB 4
24	59.1	544	0.8	CB 85	90LB 4
20	69.0	644	1.4	CB 110	90LB 4
20	70	550	0.9	RMI 110	90LB 4
17.5	80	609	0.8	RMI 110	90LB 4
17.5	80.2	679	1.2	CB 110	90LB 4
15.9	59.1	800	1.2	CB 110	100B 6
13.4	70	806	1.7	RMI 150	100B 6
13.4	70	794	1.2	RMI 130	100B 6
12.7	110.4	895	1.0	CB 110	90LB 4
11.8	80	907	1.4	RMI 150	100B 6
11.8	80	878	1.0	RMI 130	100B 6
10.9	128.8	1044	0.9	CB 110	90LB 4
10.0	140	1110	3.4	CRMI 85/180	90LB 4
10.0	140	1096	2.4	CRMI 85/150	90LB 4
10.0	140	1054	1.6	CRMI 63/130	90LB 4
10.0	140	1040	1.0	CRMI 63/110	90LB 4
9.4	100	1061	1.1	RMI 150	100B 6
8.5	110.4	1272	0.8	CB 110	100B 6
7.0	200	1526	2.7	CRMI 85/180	90LB 4
7.0	200	1506	1.9	CRMI 85/150	90LB 4
7.0	200	1447	1.2	CRMI 63/130	90LB 4
5.0	280	1877	2.0	CRMI 85/180	90LB 4
5.0	280	1819	1.4	CRMI 85/150	90LB 4
5.0	280	1741	0.9	CRMI 63/130	90LB 4
3.5	400	2755	1.7	CRMI 85/180	90LB 4

2.7 Gearmotors performances

n_2 min ⁻¹	ir	T2 Nm	FS'		
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1.8 kW		$n_1 = 2770 \text{ min}^{-1}$ $n_1 = 1400 \text{ min}^{-1}$ $n_1 = 940 \text{ min}^{-1}$	80D 2 90LB 4 100B 6
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3.5	400	2716	1.1	CRMI 85/150	90LB 4
2.3	600	3401	1.2	CRMI 85/180	90LB 4
2.3	600	3342	0.9	CRMI 85/150	90LB 4
1.4	980	5319	0.9	CRMI 85/180	90LB 4

2.2 kW		$n_1 = 2840 \text{ min}^{-1}$ $n_1 = 1410 \text{ min}^{-1}$ $n_1 = 950 \text{ min}^{-1}$	90L 2 100A 4 112A 6
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406	7	45	2.1	RMI 70	90L 2
406	7	45	1.9	RMI 63*	90L 2
284	10	62	1.7	RMI 70	90L 2
284	10	62	1.5	RMI 63*	90L 2
201	7	89	2.8	RMI 85	100A 4
201	7	89	1.5	RMI 70	100A 4
189	15	91	2.3	RMI 85	90L 2
189	15	91	1.2	RMI 70*	90L 2
189	15	91	1.1	RMI 63*	90L 2
141	10	125	2.2	RMI 85	100A 4
141	10	124	1.1	RMI 70	100A 4
136	7	130	2.3	RMI 85	112A 6
94	15	183	2.9	RMI 110	100A 4
94	15	181	1.6	RMI 85	100A 4
94	15	179	0.8	RMI 70*	100A 4
71	20	241	2.6	RMI 110	100A 4
71	20	235	1.3	RMI 85	100A 4
58	49	261	1.7	RMI 110	90L 2
55	51.3	304	2.1	CB 110	90L 2
55	51.3	300	1.1	CB 85	90L 2
50	28	317	2.5	RMI 130	100A 4
50	28	313	1.8	RMI 110	100A 4
50	28	300	0.9	RMI 85*	100A 4
48	59.1	350	1.9	CB 110	90L 2
48	59.1	345	1.0	CB 85	90L 2
41	69.0	403	1.8	CB 110	90L 2
41	69.0	398	1.0	CB 85	90L 2
35	40	447	3.1	RMI 150	100A 4
35	40	435	2.1	RMI 130	100A 4
35	40	429	1.5	RMI 110	100A 4
33	43.0	500	1.5	CB 110	100A 4
29	49	518	2.5	RMI 150	100A 4
29	49	511	1.7	RMI 130	100A 4
29	49	504	1.2	RMI 110	100A 4
27	51.3	596	1.3	CB 110	100A 4
25	56	609	2.1	RMI 150	100A 4
25	56	576	1.4	RMI 130	100A 4
25	56	576	0.8	RMI 110	100A 4
24	59.1	669	1.3	CB 110	100A 4
20	69.0	781	1.1	CB 110	100A 4
20	70	699	1.7	RMI 150	100A 4
20	70	699	1.2	RMI 130	100A 4
17.6	80	787	1.4	RMI 150	100A 4
17.6	80	763	1.0	RMI 130	100A 4

2.7 Leistungen der Getriebemotoren

n_2 min ⁻¹	ir	T2 Nm	FS'		
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2.2 kW		$n_1 = 2840 \text{ min}^{-1}$ $n_1 = 1410 \text{ min}^{-1}$ $n_1 = 950 \text{ min}^{-1}$	90L 2 100A 4 112A 6
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17.6	80.2	825	1.0	CB 110	100A 4
16.1	59.1	967	1.0	CB 110	112A 6
14.1	100	924	1.1	RMI 150	100A 4
14.1	100	879	0.79	RMI 130	100A 4
12.8	110.4	1086	0.8	CB 110	100A 4
11.9	80	1097	1.2	RMI 150	112A 6
11.9	80	1062	0.8	RMI 130	112A 6
10.1	140	1348	2.8	CRMI 85/180	100A 4
10.1	140	1330	2.0	CRMI 85/150	100A 4
10.1	140	1294	1.3	CRMI 70/130	100A 4
7.1	200	1852	2.2	CRMI 85/180	100A 4
7.1	200	1827	1.6	CRMI 85/150	100A 4
7.1	200	1756	1.0	CRMI 70/130	100A 4
5.0	280	2278	1.6	CRMI 85/180	100A 4
5.0	280	2208	1.1	CRMI 85/150	100A 4
3.5	400	3343	1.4	CRMI 85/180	100A 4
3.5	400	3296	0.9	CRMI 85/150	100A 4
2.4	600	4128	1.0	CRMI 85/180	100A 4

3 kW		$n_1 = 2840 \text{ min}^{-1}$ $n_1 = 2860 \text{ min}^{-1}$ $n_1 = 1420 \text{ min}^{-1}$ $n_1 = 940 \text{ min}^{-1}$ $n_1 = 950 \text{ min}^{-1}$	90B 2 100A 2 100B 4 112B 6 132S 6
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409	7	60	2.9	RMI 85	100A 2
409	7	60	1.6	RMI 70*	100A 2
406	7	61	2.9	RMI 85	90LB 2
406	7	61	1.6	RMI 70*	90LB 2
406	7	61	1.4	RMI 63*	90LB 2
286	10	85	2.4	RMI 85	100A 2
286	10	84	1.2	RMI 70*	100A 2
284	10	86	2.4	RMI 85	90LB 2
284	10	85	1.2	RMI 70*	90LB 2
284	10	85	1.1	RMI 63*	90LB 2
203	7	120	2.1	RMI 85	100B 4
203	7	120	1.1	RMI 70*	100B 4
191	15	125	3.2	RMI 110	100A 2
191	15	123	1.7	RMI 85*	100A 2
191	15	123	0.9	RMI 70*	100A 2
189	15	124	1.7	RMI 85*	90LB 2
189	15	124	0.9	RMI 70*	90LB 2
189	15	124	0.8	RMI 63*	90LB 2
142	10	171	3.1	RMI 110	100B 4
142	10	169	1.7	RMI 85	100B 4
142	10	167	0.8	RMI 70*	100B 4
95	15	254	3.3	RMI 130	100B 4
95	15	248	2.2	RMI 110	100B 4
95	15	245	1.2	RMI 85*	100B 4
71	20	335	2.7	RMI 130	100B 4
71	20	327	1.9	RMI 110	100B 4
71	20	319	1.0	RMI 85*	100B 4
67	43.0	345	1.8	CB 110	100A 2
66	43.0	347	1.8	CB 110	90LB 2
63	15	375	2.6	RMI 130	132S 6



2.7 Prestazioni motoriduttori

n ₂ min ⁻¹	ir	T2 Nm	FS'		
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3 kW	n ₁ = 2840 min ⁻¹	90B 2
	n ₁ = 2860 min ⁻¹	100A 2
	n ₁ = 1420 min ⁻¹	100B 4
	n ₁ = 940 min ⁻¹	112B 6
	n ₁ = 950 min ⁻¹	132S 6

63	15	362	1.7	RMI 110	132S 6
56	51.3	411	1.5	CB 110	100A 2
51	28	429	3.0	RMI 150	100B 4
51	28	429	1.9	RMI 130	100B 4
51	28	424	1.3	RMI 110	100B 4
48	20	495	3.4	RMI 150	132S 6
48	20	495	2.2	RMI 130	132S 6
47	20	500	3.4	RMI 150	112B 6
47	20	500	2.1	RMI 130	112B 6
47	20	482	1.5	RMI 110	112B 6
41	69.0	546	1.3	CB 110	100A 2
41	69.0	550	1.3	CB 110	90LB 2
36	80.2	578	1.1	CB 110	100A 2
36	40	605	2.3	RMI 150	100B 4
36	40	589	1.5	RMI 130	100B 4
36	40	581	1.1	RMI 110	100B 4
35	80.2	583	1.1	CB 110	90LB 2
33	43.0	677	1.1	CB 110	100B 4
29	49	702	1.9	RMI 150	100B 4
29	49	692	1.3	RMI 130	100B 4
29	49	682	0.9	RMI 110*	100B 4
28	51.3	807	1.0	CB 110	100B 4
25	56	825	1.6	RMI 150	100B 4
25	56	780	1.0	RMI 130	100B 4
24	59.1	906	1.0	CB 110	100B 4
24	40	881	2.6	RMI 180	132S 6
21	69.0	1058	0.8	CB 110	100B 4
20	70	946	1.3	RMI 150	100B 4
20	70	946	0.9	RMI 130	100B 4
19.4	49	1064	2.3	RMI 180	132S 6
17.8	80	1065	1.1	RMI 150	100B 4
17.0	56	1199	2.0	RMI 180	132S 6
14.2	100	1251	0.8	RMI 150	100B 4
13.6	70	1393	1.6	RMI 180	132S 6
13.4	70	1344	1.0	RMI 150	112B 6
11.9	80	1568	1.3	RMI 180	132S 6
11.8	80	1512	0.9	RMI 150	112B 6
10.1	140	1825	2.1	CRMI 85/180	100B 4
10.1	140	1801	1.5	CRMI 85/150	100B 4
10.1	140	1753	0.9	CRMI 70/130	100B 4
9.5	100	1840	1.0	RMI 180	132S 6
7.1	200	2508	1.6	CRMI 85/180	100B 4
7.1	200	2474	1.2	CRMI 85/150	100B 4
5.1	280	3085	1.2	CRMI 85/180	100B 4
5.1	280	2990	0.8	CRMI 85/150	100B 4
3.6	400	4527	1.0	CRMI 85/180	100B 4

2.7 Gearmotors performances

n ₂ min ⁻¹	ir	T2 Nm	FS'		
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4 kW	n ₁ = 2860 min ⁻¹	100B 2
	n ₁ = 2860 min ⁻¹	112A 2
	n ₁ = 1410 min ⁻¹	100BL 4
	n ₁ = 1425 min ⁻¹	112A 4
	n ₁ = 950 min ⁻¹	132M 6

409	7	80	4.2	RMI 110	112A 2
409	7	80	4.2	RMI 110	100B 2
409	7	80	2.2	RMI 85*	112A 2
409	7	80	2.2	RMI 85*	100B 2
286	10	114	3.4	RMI 110	112A 2
286	10	114	3.4	RMI 110	100B 2
286	10	114	1.8	RMI 85*	112A 2
286	10	114	1.8	RMI 85*	100B 2
286	10	112	0.9	RMI 70*	100B 2
204	7	161	3.0	RMI 110	112A 4
204	7	160	1.5	RMI 85*	112A 4
201	7	161	0.8	RMI 70*	100BL 4
191	15	166	2.4	RMI 110	112A 2
191	15	166	2.4	RMI 110	100B 2
191	15	164	1.3	RMI 85*	112A 2
191	15	164	1.3	RMI 85*	100B 2
143	10	233	3.4	RMI 130	112A 4
143	10	228	2.4	RMI 110	112A 4
143	10	225	1.2	RMI 85*	112A 4
136	7	245	3.5	RMI 130	132M 6
136	7	239	2.4	RMI 110	132M 6
102	28	288	3.4	RMI 150	112A 2
102	28	288	3.4	RMI 150	100B 2
102	28	284	2.1	RMI 130	112A 2
102	28	284	2.1	RMI 130	100B 2
95	15	338	2.5	RMI 130	112A 4
95	15	330	1.6	RMI 110	112A 4
95	15	326	0.9	RMI 85*	112A 4
71	20	450	3.2	RMI 150	112A 4
71	20	445	2.1	RMI 130	112A 4
71	20	434	1.4	RMI 110	112A 4
67	43.0	459	1.4	CB 110	112A 2
67	43.0	459	1.4	CB 110	100B 2
63	15	501	3.0	RMI 150	132M 6
63	15	501	2.0	RMI 130	132M 6
63	15	483	1.3	RMI 110	132M 6
56	51.3	548	1.2	CB 110	112A 2
56	51.3	548	1.2	CB 110	100B 2
51	28	570	2.2	RMI 150	112A 4
51	28	570	1.4	RMI 130	112A 4
51	28	563	1.0	RMI 110*	112A 4
48	59.1	632	1.1	CB 110	112A 2
48	59.1	632	1.1	CB 110	100B 2
48	20	659	2.5	RMI 150	132M 6
48	20	659	1.6	RMI 130	132M 6
36	80.2	771	0.9	CB 110*	112A 2
36	80.2	771	0.9	CB 110*	100B 2
36	40	804	1.7	RMI 150	112A 4
36	40	783	1.2	RMI 130	112A 4
36	40	772	0.8	RMI 110*	112A 4
34	28	867	2.5	RMI 180	132M 6
33	43.0	899	0.9	CB 110*	112A 4
29	49	933	1.4	RMI 150	112A 4
29	49	919	1.0	RMI 130*	112A 4

2.7 Leistungen der Getriebemotoren

n ₂ min ⁻¹	ir	T2 Nm	FS'		
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4 kW	n ₁ = 2860 min ⁻¹	100B 2
	n ₁ = 2860 min ⁻¹	112A 2
	n ₁ = 1410 min ⁻¹	100BL 4
	n ₁ = 1425 min ⁻¹	112A 4
	n ₁ = 950 min ⁻¹	132M 6

25	56	1096	1.2	RMI 150	112A 4
24	40	1174	2.0	RMI 180	132M 6
24	40	1142	0.9	RMI 130*	132M 6
20	70	1257	0.9	RMI 150	112A 4
17.8	80	1415	0.8	RMI 150	112A 4
17.0	56	1599	1.5	RMI 180	132M 6
13.6	70	1858	1.2	RMI 180	132M 6
11.9	80	2091	1.0	RMI 180	132M 6
10.2	140	2424	1.5	CRMI 85/180	112A 4
10.2	140	2393	1.1	CRMI 85/150	112A 4
7.1	200	3333	1.2	CRMI 85/180	112A 4
7.1	200	3288	0.9	CRMI 85/150	112A 4
5.1	280	4098	0.9	CRMI 85/180	112A 4

5.5 kW	n ₁ = 2880 min ⁻¹	112B 2
	n ₁ = 2870 min ⁻¹	132S 2
	n ₁ = 1440 min ⁻¹	132S 4
	n ₁ = 950 min ⁻¹	132ML 6

411	7	110	3.1	RMI 110	112B 2
410	7	110	3.1	RMI 110	132S 2
288	10	155	2.5	RMI 110	112B 2
287	10	156	2.5	RMI 110	132S 2
206	7	225	3.1	RMI 130	132S 4
206	7	220	2.2	RMI 110	132S 4
192	15	230	2.7	RMI 130	112B 2
192	15	227	1.7	RMI 110*	112B 2
191	15	231	2.7	RMI 130	132S 2
191	15	228	1.7	RMI 110*	132S 2
144	10	317	2.5	RMI 130	132S 4
144	10	310	1.7	RMI 110	132S 4
136	7	337	2.5	RMI 130	132ML 6
136	7	329	1.8	RMI 110	132ML 6
103	28	410	3.4	RMI 180	132S 2
96	15	465	2.7	RMI 150	132S 4
96	15	460	1.8	RMI 130	132S 4
96	15	449	1.2	RMI 110*	132S 4
72	20	613	3.3	RMI 180	132S 4
72	20	613	2.3	RMI 150	132S 4
72	20	605	1.5	RMI 130	132S 4
63	15	705	3.0	RMI 180	132ML 6
63	15	688	2.2	RMI 150	132ML 6
63	15	688	1.4	RMI 130	132ML 6
63	15	663	1.0	RMI 110*	132ML 6
51	28	807	2.3	RMI 180	132S 4
51	28	776	1.6	RMI 150	132S 4
51	28	776	1.0	RMI 130*	132S 4
48	20	907	1.9	RMI 150	132ML 6
48	20	907	1.2	RMI 130	132ML 6
36	40	1094	1.8	RMI 180	132S 4
36	40	1094	1.3	RMI 150	132S 4
36	40	1065	0.8	RMI 130*	132S 4
34	28	1161	0.8	RMI 130*	132ML 6



2.7 Prestazioni motoriduttori

n_2 min ⁻¹	ir	T2 Nm	FS'		
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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'		
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9.2 kW	$n_1 = 1450 \text{ min}^{-1}$	132ML 4
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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'		
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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

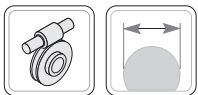
I valori contrassegnati dal simbolo (—) indicano la coppia massima applicabile al riduttore con FS=1. In questi casi la potenza del motore applicato non dovrà mai essere utilizzata integralmente onde evitare danneggiamenti al riduttore.

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 Getriebe 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.



2.8 Dimensioni

2.8 Dimensions

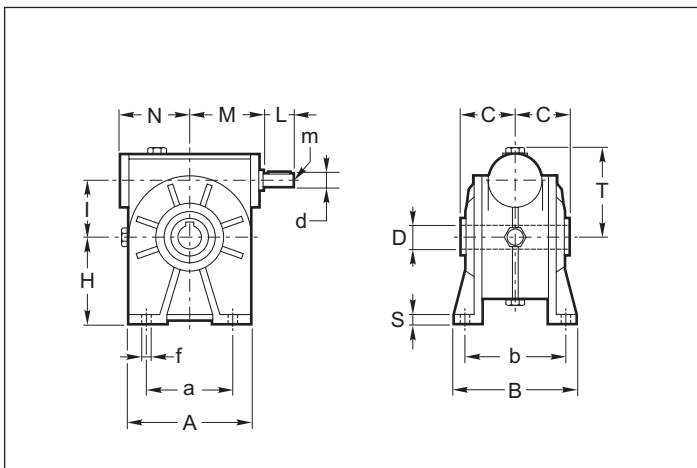
2.8 Abmessungen



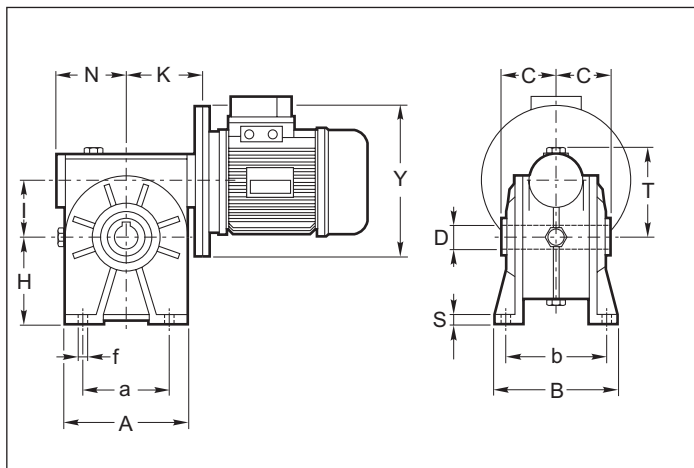
Dimensioni riduttori
Gearboxes dimensions
Abmessungen Getriebes

RI - RMI

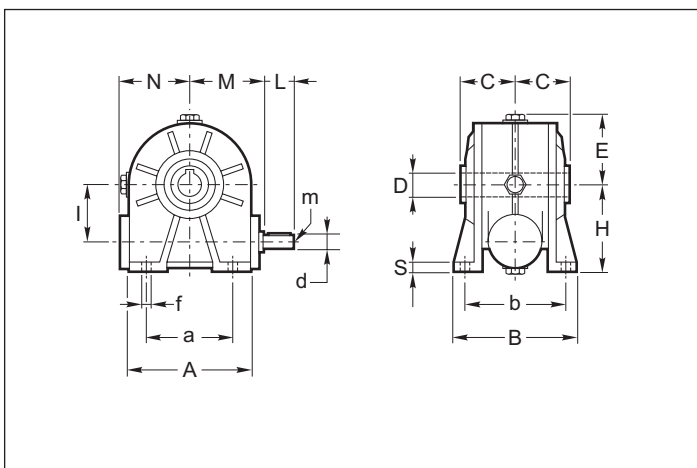
RI S



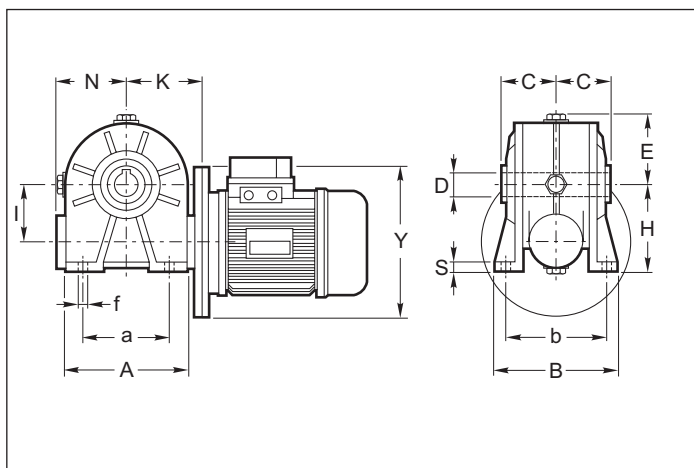
RMI S



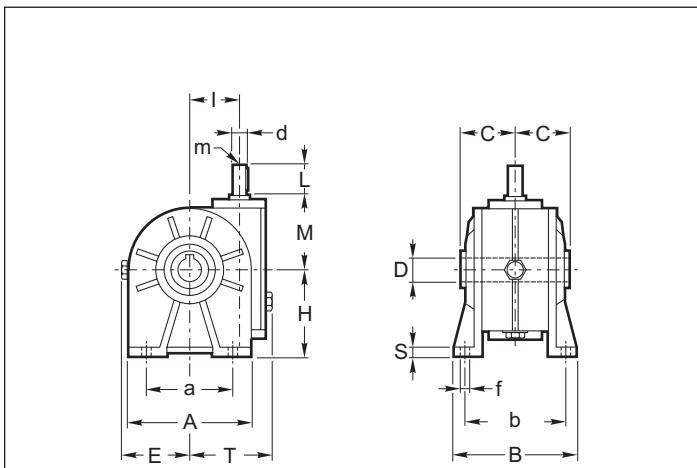
RI I



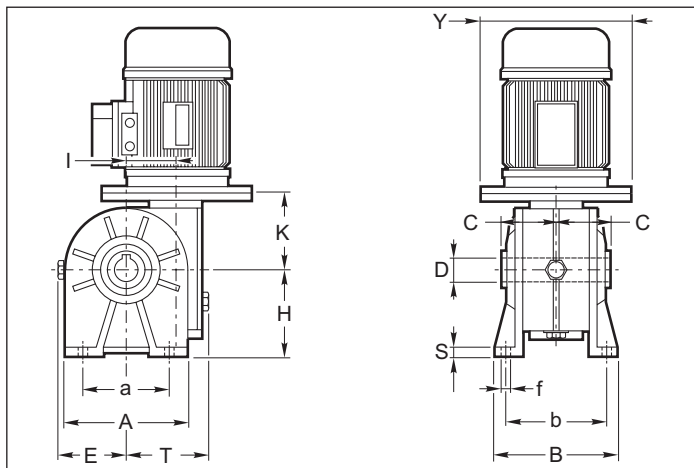
RMI I

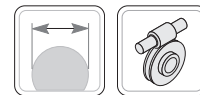


RI D



RMI D





2.8 Dimensioni

2.8 Dimensions

2.8 Abmessungen

RI RMI	A	a	B	b	C	D H7	d j6	E	f	H	I	L	M	m	N	S	T
28	67	52	78	66 $^{+2}_{-6}$	30	14	9	40	5.5	52	28	20	47	M4	44.5(46)*	6	49
40	100	70	102	84 $^{+3}$	41	19 (18)	11	59	7	71	40	22	64	M5	61.5	8	66
50	120	85	119	99 $^{+3}$	49	24 (25)	14	69	9	85	50	30	74	M6	72.5	10	80
63	140	95	136	111 $^{0}_{+5}$	60	25	18	81	11	100	63	45	96	M6	84	11	99
70	158	120	140	116 $^{+2}_{-6}$	60	28	19	87	11	115	70	40	97	M8	92	13	108
85	193	140	168	140	61	32 (35)	24	105	13	135	85	50	115	M8	111	15	135
110	250	200	200	162	77.5	42	28	135	14	172	110	60	146	M8	142	17	170
130	286	235	230	190	90	48	38	150	15	200	130	80	166	M10	159	19	200
150	336	260	250	210	105	55	42	178	19	230	150	100	195	M12	189	20	224
180	400	310	320	260	120	65	48	210	22	265	180	110	235	M14	232	22	265

*RI 28 - RMI 28 IEC56: N=44.5, RMI 28 IEC63: N=46

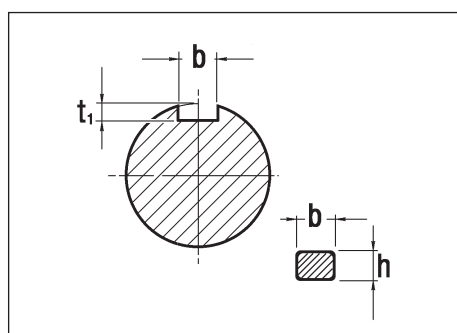
	RMI																			
	28		40		50		63		70		85		110		130		150		180	
	Y	K	Y	K	Y	K	Y	K	Y	K	Y	K	Y	K	Y	K	Y	K	Y	K
B5	120	49	120	63.5	140	77	160	95	160	100	160	116	200	145	250	163	250	190	—	—
	—	—	140	63.5	160	77	200	95	200	100	200	116	250	145	300	163	300	190	300	234
	—	—	160	71	200	81	—	—	—	—	250	118	300	145.5	—	—	350	197	350	234
B14	80•	49	80•	63.5	90•	77	105•	95	105	100	120	116	160	145	—	—	—	—	—	—
	90	51	90	63.5	105	77	120	95	120	100	140	116	—	—	—	—	—	—	—	—
	—	—	105	71	120	81	140	95	140	100	160	118	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	160	100	—	—	—	—	—	—	—	—	—	—

(•) Vedi nota in fondo a tabella 2.13

(•) See note at the bottom of table 2.13

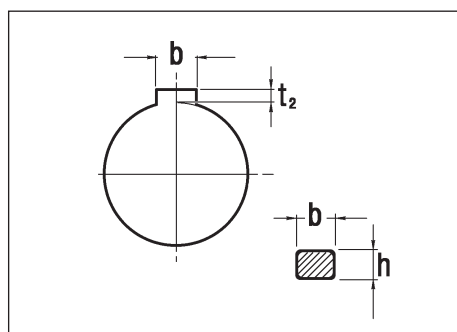
(•) Siehe Bemerkungen Tabelle 2.13 unten

Linguetta



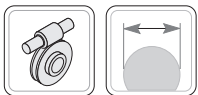
Albero entrata
Input shaft
Antriebswelle

d	b x h	t ₁
9	3 x 3	1.8
11	4 x 4	2.5
14	5 x 5	3.0
18	6 x 6	3.5
19	6 x 6	3.5
24	8 x 7	4.0
28	8 x 7	4.0
38	10 x 8	5.0
42	12 x 8	5.0
48	14 x 9	5.5



Albero uscita
Output shaft
Abtriebswelle

D	b x h	t ₂
14	5 x 5	2.3
18	6 x 6	2.8
19	6 x 6	2.8
24	8 x 7	3.3
25	8 x 7	3.3
28	8 x 7	3.3
32	10 x 8	3.3
35	10 x 8	3.3
42	12 x 8	3.3
48	14 x 9	3.8
55	16 x 10	4.3
65	18 x 11	4.4

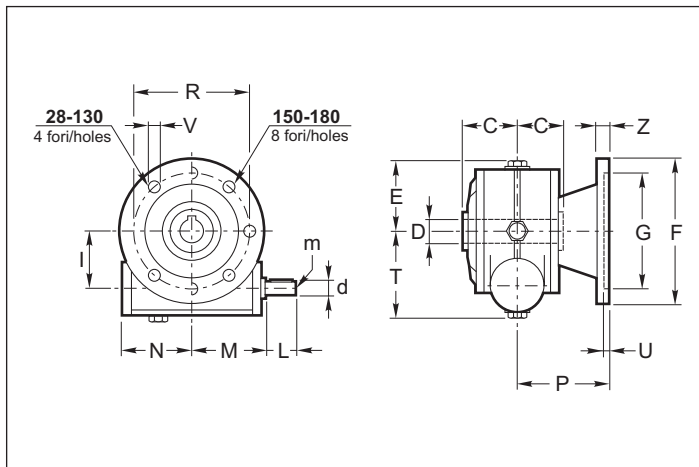


2.8 Dimensioni

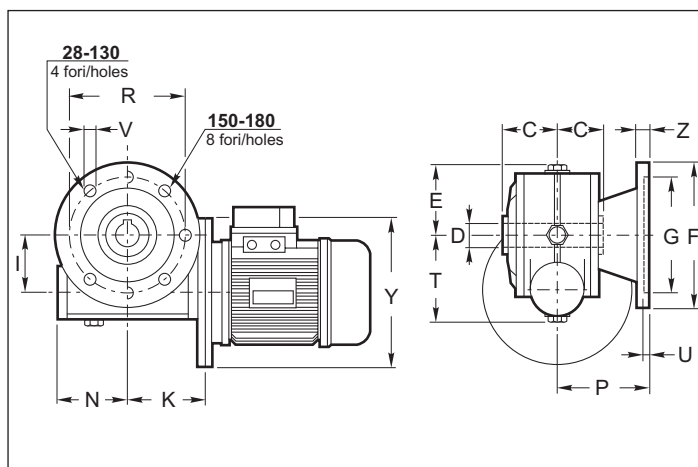
2.8 Dimensions

2.8 Abmessungen

RI FL



RMI FL

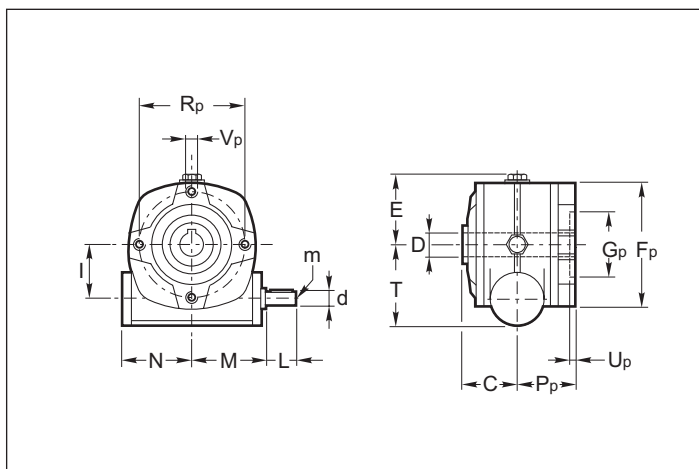


N.B.
Nelle grandezze 40, 50, 63, 70 la versione FL viene ottenuta applicando una flangia modulare sulla flangia pendolare della versione PP.

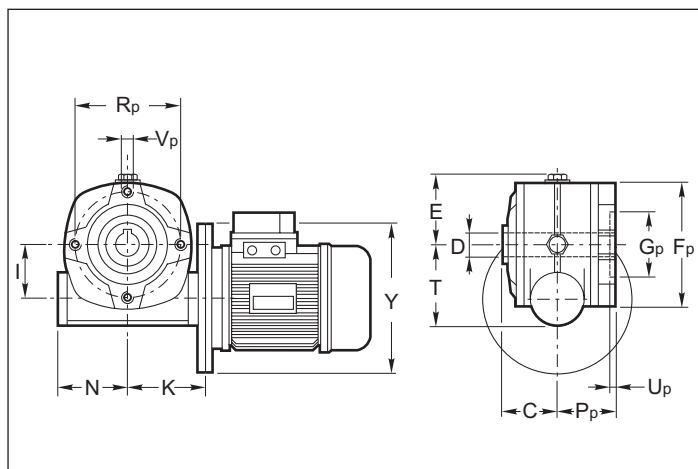
NOTE.
In sizes 40, 50, 63, 70, the FL version is obtained by applying a modular flange onto the shaft-mounted flange of the PP version.

HINWEIS.
Bei den Größen 40, 50, 63 und 70 erhält man die FL-Version, indem ein Modulflansch an den Flansch mit Drehmomentstütze der PP-Version befestigt wird.

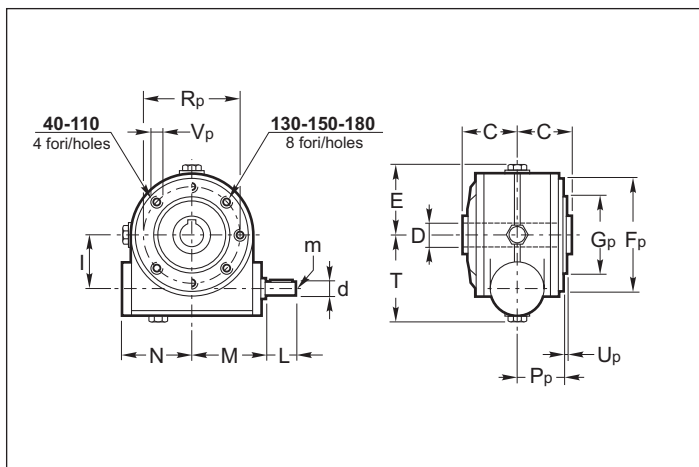
RI 28P



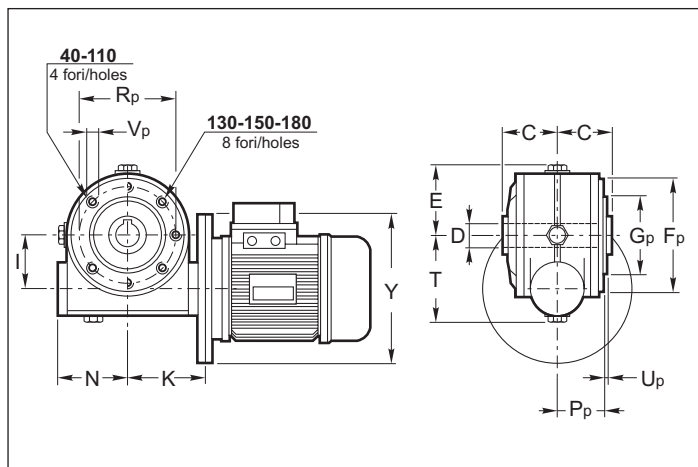
RMI 28P

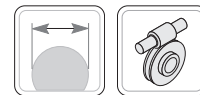


RI 40PP - 70PP, 85P - 180P



RMI 40PP - 70PP, 85P - 180P





2.8 Dimensioni

2.8 Dimensions

2.8 Abmessungen

RI RMI	C	D H7	d j6	E	I	L	M	m	N	T
28	30	14	9	40	28	20	47	M4	44.5 (46)*	49
40	41	19 (18)	11	59	40	22	64	M5	61.5	66
50	49	24 (25)	14	69	50	30	74	M6	72.5	80
63	60	25	18	81	63	45	96	M6	84	99
70	60	28	19	87	70	40	97	M8	92	108
85	61	32 (35)	24	105	85	50	115	M8	111	135
110	77.5	42	28	135	110	60	146	M8	142	170
130	90	48	38	150	130	80	166	M10	159	200
150	105	55	42	178	150	100	195	M12	189	224
180	120	65	48	210	180	110	235	M14	232	265

*RI 28 - RMI 28 IEC56: N=44.5, RMI 28 IEC63: N=46

RI RMI	F	G H8	P	R	U	V	Z	Fp	Gp h8	Pp	Rp	Up	Vp
28	70	40	49	56	5	6	5	67	42(H8)	36	56	7	M6
40	140°	95	82	115	5	8.5	9	95	60	38	83	2	M6
50	160°	110	91.5	130	5	10	10	105	70	49	85	2.5	M8
63	180°	115	116	150	5	11	11	105	70	57.5	85	3.5	M8
70	200°	130	111	165	5	13	11	120	80	57	100	4	M8
85	200	130	100	165 ⁺⁰ ₊₁₁	5	13	12	144	110	56.5	130	3.5	M10
110	250	180	150	215	5	15	16	200	130	74	165	3	M12
130	300	230	150	265	5	15	18	242	180	87	215	5	M12
150	350	250	160	300	6	19	18	250	180	102	215	5	M14
180	400	300	180	350	6.5	22	22	300	230	117	265	5	M16

N.B.
La versione FL contrassegnata con il simbolo (°) è ottenuta applicando una flangia modulare sulla flangia pendolare della versione PP.

NOTE.
FL version that is marked with (°) is obtained by applying a modular flange onto the shaft-mounted flange of the PP version.

HINWEIS.
Die mit (°) gekennzeichneten Version FL erhält man, indem ein Modulflansch an den Flansch mit Drehmomentstütze der PP-Version befestigt wird.

	RMI																			
	28		40		50		63		70		85		110		130		150		180	
	Y	K	Y	K	Y	K	Y	K	Y	K	Y	K	Y	K	Y	K	Y	K	Y	K
B5	120	49	120	63.5	140	77	160	95	160	100	160	116	200	145	250	163	250	190	300	234
	—	—	140	63.5	160	77	200	95	200	100	200	116	250	145	300	163	300	190	350	234
	—	—	160	71	200	81	—	—	—	—	250	118	300	145.5	—	—	350	197	—	—
B14	80•	49	80•	63.5	90•	77	105•	95	105	100	120	116	160	145	—	—	—	—	—	—
	90	51	90	63.5	105	77	120	95	120	100	140	116	—	—	—	—	—	—	—	—
	—	—	105	71	120	81	140	95	140	100	160	118	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	160	100	—	—	—	—	—	—	—	—	—	—

(•) Vedi nota in fondo a tabella 2.13

(•) See note at the bottom of table 2.13

(•) Siehe Bemerkungen Tabelle 2.13 unten.

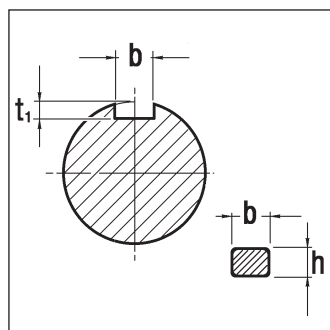
Linguette

Keys

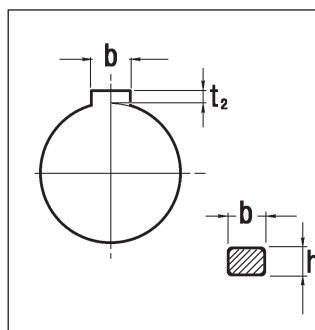
Federn

Albero entrata
Input shaft
Antriebswelle

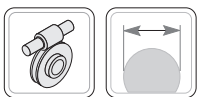
Albero uscita
Output shaft
Abtriebswelle



d	b x h	t ₁
9	3 x 3	1.8
11	4 x 4	2.5
14	5 x 5	3.0
18	6 x 6	3.5
19	6 x 6	3.5
24	8 x 7	4.0
28	8 x 7	4.0
38	10 x 8	5.0
42	12 x 8	5.0
48	14 x 9	5.5



D	b x h	t ₂
14	5 x 5	2.3
18	6 x 6	2.8
19	6 x 6	2.8
24	8 x 7	3.3
25	8 x 7	3.3
28	8 x 7	3.3
32	10 x 8	3.3
35	10 x 8	3.3
42	12 x 8	3.3
48	14 x 9	3.8
55	16 x 10	4.3
65	18 x 11	4.4



2.8 Dimensioni

2.8 Dimensions

2.8 Abmessungen

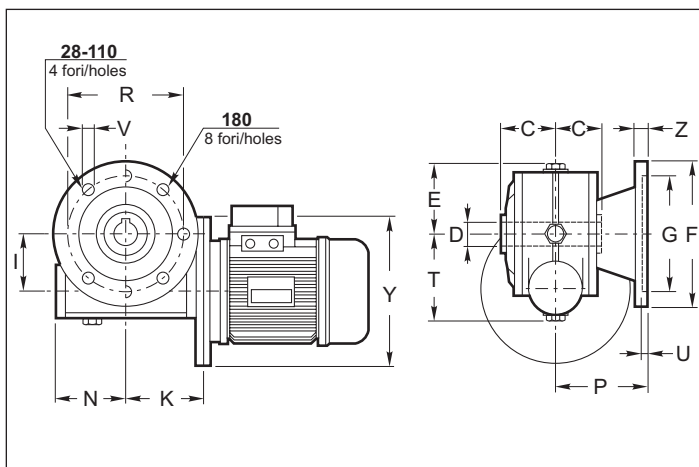
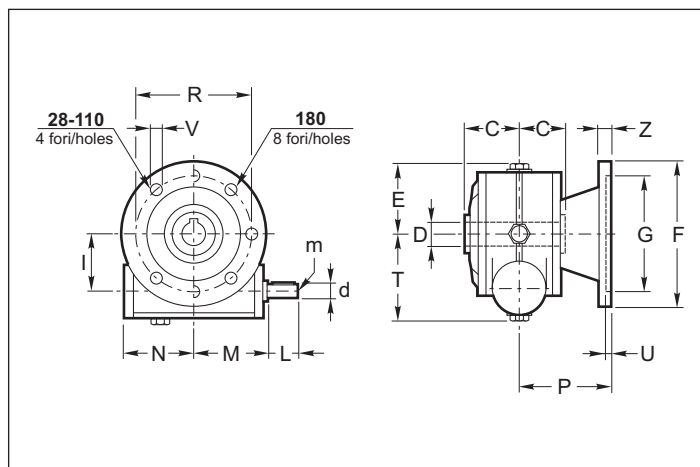
Versioni speciali (a richiesta)

Non standard versions (on request)

Spezialausführungen (auf Anfrage)

RI F1 - F2 - F3 - F4

RMI F1 - F2 - F3 - F4



N.B.
Le versioni F1, F2, F3 contrassegnate con il simbolo (°) sono ottenute applicando una flangia modulare sulla flangia pendolare della versione PP.

NOTE.
F1, F2 and F3 versions that are marked with (°) are obtained by applying a modular flange onto the shaft-mounted flange of the PP version.

HINWEIS.
Die mit (°) gekennzeichneten Versionen F1, F2 und F3 erhält man, indem ein Modulflansch an den Flansch mit Drehmomentstütze der PP-Version befestigt wird.

RI RMI	F	G H8	P	R	U	V	Z	C	D H7	d j6	E	I	L	M	m	N	T	
28	F1	80	50	53	62 ⁺⁰ ₆	4	6	7	30	14	9	40	28	20	47	M4	44.5(46)*	49
	F2	95	70	72	85	4	6.5	8										
40	F1	106	60	69	87	5	8.5	9	41	19 (18)	11	59	40	22	64	M5	61.5	66
	F2	120	80	62	100	5	9	9										
50	F1	125	70	93	90 ⁺⁰ ₉	5	10.5	10	49	24 (25)	14	69	50	30	74	M6	72.5	80
	F2	125	70	73	100	4	9	9										
	F3	140	95	75	115	4	9	9										
	F4	125	70	85	90 ⁺⁰ _{4.5}	5	10.5	11										
63	F1°	175	115	86	150	5	11	11	60	25	18	81	63	45	96	M6	81	99
	F2°	200	130	102	165	5	13	11										
	F3°	160	110	82	130	5	10	11										
70	F1°	175	115	116	150	5	11	10	60	28	19	87	70	40	97	M8	92	108
	F2°	175	115	85	150	5	11	10										
	F3	160	110	101	130	6	11	11										
85	F1	200	130	141	165	6	13	12	61	32 (35)	24	105	85	50	115	M8	111	135
	F2	210	152	120	176	5	13	14										
	F3	160	110	91	130	5	11.5	10										
110	F1	200	130	115	165	5	13	12	77.5	42	28	135	110	60	146	M8	142	170
	F2	270	170	132	230	10	13.5	18										
	F3	270	170	178	230	10	13.5	18										
180	F2	400	300	150	350	6.5	22	22	120	65	48	210	180	110	235	M14	232	265

*RI 28 - RMI 28 IEC56: N=44.5, RMI 28 IEC63: N=46

	RMI																			
	28		40		50		63		70		85		110		130		150		180	
	Y	K	Y	K	Y	K	Y	K	Y	K	Y	K	Y	K	Y	K	Y	K	Y	K
B5	120	49	120	63.5	140	77	160	95	160	100	160	116	200	145	250	163	250	190	300	234
	—	—	140	63.5	160	77	200	95	200	100	200	116	250	145	300	163	300	190	350	234
	—	—	160	71	200	81	—	—	—	—	250	118	**300	145.5	—	—	350	197	—	—
B14	80•	49	80•	63.5	90•	77	105•	95	105	100	120	116	160	145	—	—	—	—	—	—
	90	51	90	63.5	105	77	120	95	120	100	140	116	—	—	—	—	—	—	—	—
	—	—	105	71	120	81	140	95	140	100	160	118	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	160	100	—	—	—	—	—	—	—	—	—	—

(•) Vedi nota in fondo a tabella 2.13

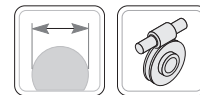
(•) See note at the bottom of table 2.13

(•) Siehe Bemerkungen Tabelle 2.13 unten

(* *) Non disponibile in versione F2

(* *) Version F2 not available.

(* *) Nicht erhältlich in Ausuerung F2



2.8 Dimensioni

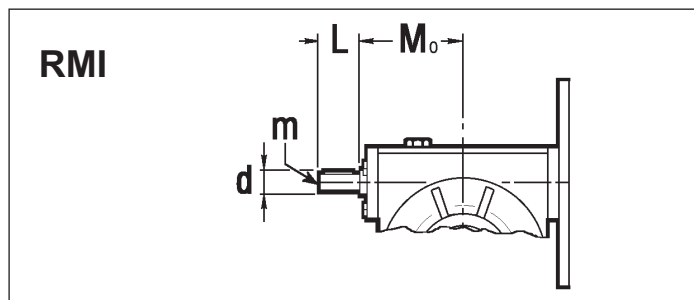
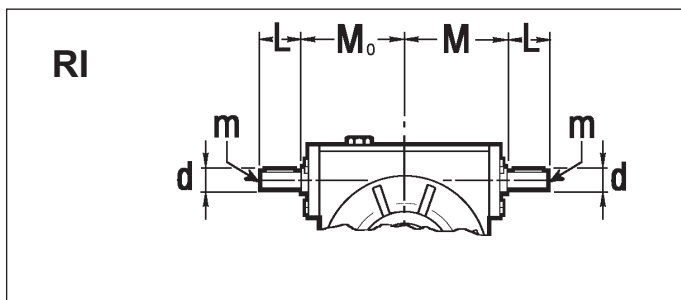
2.8 Dimensions

2.8 Abmessungen

Esecuzione con vite bisporgente

Double extended input shaft

Ausführung mit beidseitiger
Antriebswelle



RI RMI	d j6	L	m	M	M ₀
28	9	20	M4	47	47
40	11	22	M5	64	64*
50	14	30	M6	74	74
63	18	45	M6	96	85
70	19	40	M8	97	97
85	24	50	M8	115	115
110	28	60	M8	146	146
130	38	80	M10	166	166
150	42	100	M12	195	195
180	48	110	M14	235	235

* RMI 40 IEC 71 : M₀=67

Per i riduttori RMI con vite bisporgente vedi nota
tab. 2.12.

The RMI worm gearbox with double extended
input shaft see table 2.12.

Bei der Ausführung mit beidseitiger Antriebswelle
bitte die Bemerkung auf Tab. 2.12 beachten.