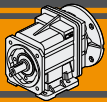


Technischer Katalog

Stirnradgetriebe Serie CMG




TRANSTECNOTM
THE MODULAR GEARMOTOR



Technische Eigenschaften

Das Konstruktionsmerkmal der Getriebe ist die hohe Modularität. Sie erlaubt das Anbringen von verschiedenen Fußplatten und Abtriebsflansche an das Gehäuse.

Haupteigenschaften der Serie CMG:

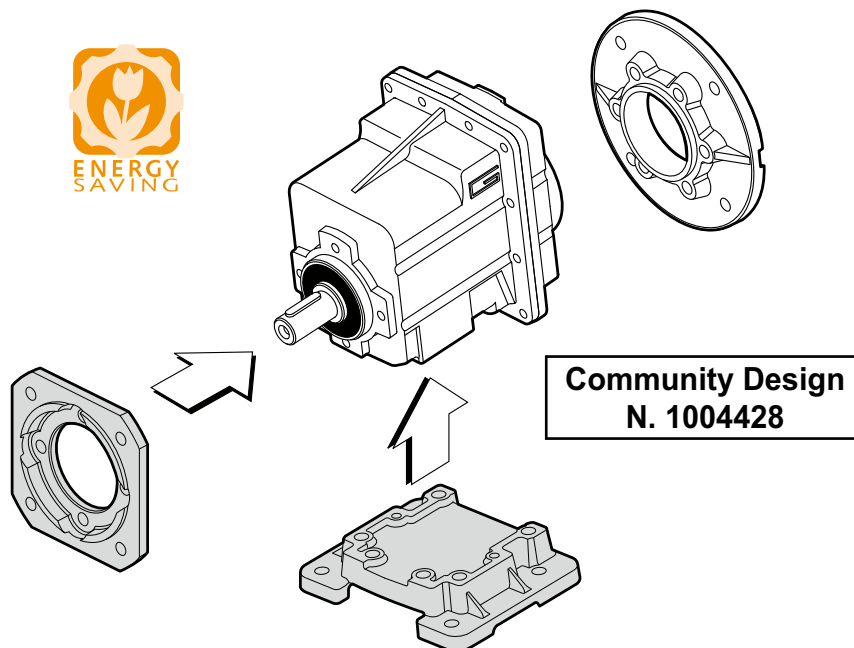
- Aluminiumgehäuse und Eingangsflansche: 00, 01, 02, 03, 04
Graugußgehäuse: 05;
- Fußplatten und Abtriebsflansche aus Grauguss;
- Gehärtete und geschliffene Zahnräder;
- Langzeitschmierung mit synthetischem Öl.

Technical features

The high degree of modularity is a design feature of CMG helical gearboxes range. It is possible to set up the version required using flanges or feet.

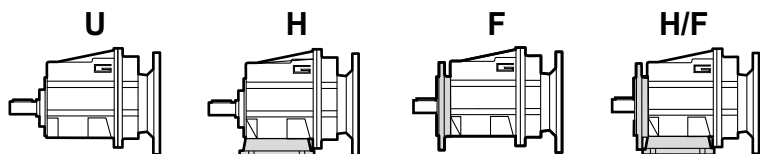
The main features of CMG range are:

- Die-cast aluminum housings and input flanges for sizes 00, 01, 02, 03 and 04. Cast iron housing on size 05;
- Cast iron feet and output flanges;
- Ground-hardened helical gears;
- Permanent synthetic oil long-life lubrication.




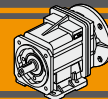
Typenbestimmung

Designation



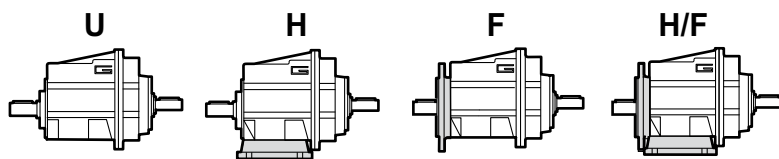
GETRIEBE / GEARBOX

CMG	01	2	H65	9.81	D20	71	B14	B3
Typ Type	Größe Size	Stufen Stages	Version Version	Untersetzung Ratio	Abtriebswelle Output shaft	IEC 	Motoranbau Version	Einbaulage Mounting position
CMG	00 01 02 03 04 05	2 3	U... H... F... H.../F...	siehe Tabelle see tables	siehe Tabelle see tables	56.. — 112..	B5 B14	B3-B5 B8 B6 B7 V5-V1 V6-V3



Typenbestimmung

Designation



GETRIEBE / GEARBOX

CMGIS	01	2	U	9.81	D20	B3
Typ Type	Größe Size	Stufen Stages	Version Version	Untersetzung Ratio	Abtriebswelle Output shaft	Einbaulage Mounting position
CMGIS	01 02 03 04 05	2 3	U... H... F... H.../F...	siehe Tabelle see tables	siehe Tabelle see tables	B3-B5 B8 B6 B7 V5-V1 V6-V3

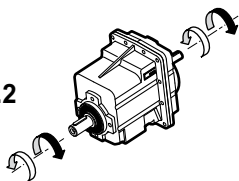
MOTOR / MOTOR

0.75kW	4p	3ph	50Hz	T1
Leistung Power	Pole Poles	Phasen Phases	Frequenz Frequency	Position Klemmenkasten Terminal box pos.
siehe Tabelle see tables	2p 4p 6p 8p	1ph 3ph	50Hz 60Hz	T1 (Standard) T2 T3 T4

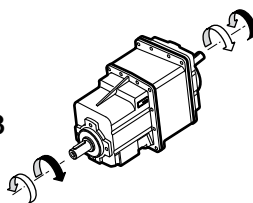
Drehrichtung

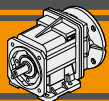
Direction of rotation

CMG...2
CMGIS..2



CMG...3
CMGIS..3





Schmierung

Lubrication

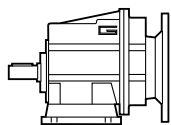
Langzeitschmierung mit vollsynthetischem Öl (Viskosität 320) für alle Einbaulagen der Getriebegrößen 00, 01, 02, 03 und 04. Die Öllfüllmengen für die verschiedenen Einbaulagen der Getriebegröße 05 ist der Tabelle zu entnehmen.

Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use sizes 00, 01, 02, 03 and 04 in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance. For size 05 lubrication depends on assembly position.

CMG CMGIS	Öfüllmenge (Liter) / <i>Oil quantity (liters)</i>					
	B3	B8	B6	B7	V5	V6
002	0.18					
012	0.32					
013	0.94					
022	0.32					
023	0.94					
032	0.7					
033	1.8					
042	0.7					
043	1.8					
052	2.6	2	2.3	2.3	2.6	3.3
053	3.2	2.6	2.9	2.9	4.9	4.3

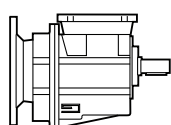
Langzeitgeschmiert
Life lubricated

Einbaulagen / *Mounting positions*

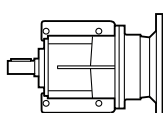


B3

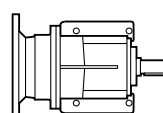
(Standard)



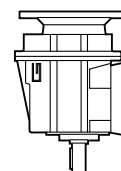
B8



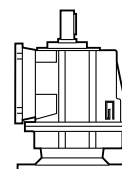
B6



B7



V5

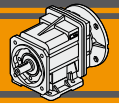


V6

Legende

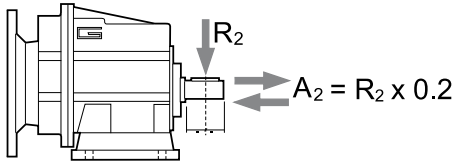
Symbols

n_1	[min ⁻¹]	Eingangsdrehzahl / <i>Input speed</i>
n_2	[min ⁻¹]	Abtriebsdrehzahl / <i>Output speed</i>
i		Untersetzung / <i>Ratio</i>
P_1	[kW]	Eingangsleistung / <i>Input power</i>
M_2	[Nm]	Abtriebsdrehmoment gemäß P_1 / <i>Output torque referred to P_1</i>
P_{n1}	[kW]	Eingangsnennleistung / <i>Nominal input power</i>
M_{n2}	[Nm]	Nennmoment gemäß P_{n1} / <i>Nominal output torque referred to P_{n1}</i>
sf		Servicefaktor / <i>Service factor</i>
R_2	[N]	Zulässige radiale Belastung / <i>Permitted output radial load</i>
A_2	[N]	Zulässige axiale Belastung / <i>Permitted output axial load</i>



Radiale Belastung

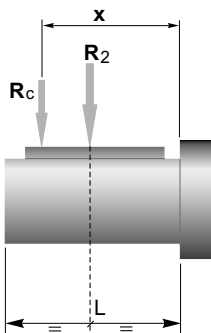
Radial loads



n_2 [min ⁻¹]	R_2 [N]					
	CMG 00	CMG 01	CMG 02	CMG 03	CMG 04	CMG 05
700	416	764	1529	1987	2379	3556
600	437	805	1609	2092	2504	3744
500	465	855	1710	2223	2661	3979
400	501	921	1842	2395	2866	4286
250	586	1077	2154	2801	3353	5013
180	653	1323	2554	3321	3897	5853
150	748	1406	2714	3529	4244	6392
120	806	1631	3467	3801	4572	7388
100	958	1842	3684	4507	5234	7851
80	1032	1984	3969	5042	5991	8963
60	1136	2184	4368	5549	6594	10483
40	1300	2500	5000	6500	8000	12000
10	1300	2500	5000	6500	8000	12000

Wenn die radiale Belastung nicht in der Mitte der Welle anliegt, wird die effektive Belastung mit der folgenden Formel berechnet:

When the resulting radial load is not applied on the centre line of the shaft it is necessary to calculate the effective load with the following formula:



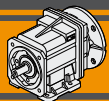
	CMG 00	CMG 01	CMG 02	CMG 03	CMG 04	CMG 05
a	73	104	117	132	150	180
b	53	84	92	102	115	140
R_{2MAX}	1300	2500	5000	6500	8000	12000

$$R_c = \frac{R_2 \cdot a}{(b + x)} \leq R_{2MAX}$$

$$R \leq R_c$$

a, b = Angaben gemäß Tabelle
a, b = values given in the table

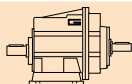
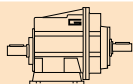
CMG

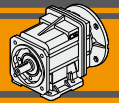


Technische Daten

n_1 1400 min⁻¹

Technical data

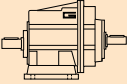
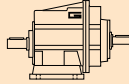
	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i		n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
CMGIS 002					CMGIS 022				
	279	40	1.2	5.03		383	100	4.2	3.66
	230	40	1.0	6.10		316	100	3.4	4.43
	187	40	0.82	7.49		257	100	2.8	5.45
	156	50	0.85	8.99		190	120	2.5	7.39
	138	50	0.75	10.16		159	120	2.1	8.78
	116	50	0.63	12.07		141	120	1.8	9.93
	105	70	0.80	13.40		127	200	2.8	11.01
	92.5	70	0.71	15.14		116	200	2.5	12.05
	77.1	70	0.59	18.17		106	200	2.3	13.21
	64.9	70	0.50	21.58		94.6	200	2.1	14.81
	59.6	70	0.45	23.51		81.9	160	1.4	17.10
	55.8	70	0.43	25.10		76.7	160	1.3	18.26
	51.7	70	0.39	27.08		69.7	200	1.5	20.08
	43.1	70	0.33	32.49		58.7	200	1.3	23.85
	33.3	70	0.25	42.04		46.8	200	1.0	29.93
	31.2	70	0.24	44.89		39.0	200	0.9	35.91
	28.7	70	0.22	48.86		30.1	200	0.7	46.46
						28.2	200	0.6	49.61
						25.9	200	0.6	54.00
CMGIS 012					CMGIS 023				
	367	60	2.4	3.82		29.7	200	0.66	47.19
	302	60	2.0	4.63		25.0	200	0.56	56.05
	246	60	1.6	5.69		21.9	200	0.49	64.01
	181	80	1.6	7.72		18.4	200	0.41	76.02
	153	80	1.3	9.17		15.5	200	0.35	90.29
	143	80	1.2	9.81		12.2	200	0.27	114.46
	122	100	1.3	11.50		10.3	200	0.23	135.95
	118	100	1.3	11.90		8.0	200	0.18	175.89
	101	120	1.3	13.80		6.8	200	0.15	204.69
	95.7	120	1.3	14.62		5.3	200	0.12	264.84
	78.4	120	1.0	17.86		4.5	200	0.10	307.80
	73.4	120	1.0	19.07		3.5	200	0.08	398.25
	70.6	120	0.9	19.83					
	59.4	120	0.8	23.56					
	47.4	120	0.6	29.56					
	39.5	120	0.5	35.47					
	30.5	120	0.4	45.89					
	28.6	120	0.4	49.00					
	26.3	120	0.3	53.33					
CMGIS 013					CMGIS 032				
	30.0	120	0.40	46.61		374	150	6.1	3.74
	25.3	120	0.34	55.36		311	150	5.1	4.50
	22.1	120	0.30	63.22		255	150	4.2	5.48
	18.6	120	0.25	75.08		222	180	4.4	6.31
	15.7	120	0.21	89.17		177	180	3.5	7.93
	12.4	120	0.17	113.05		154	180	3.0	9.08
	10.4	120	0.14	134.27		128	180	2.5	10.93
	8.1	120	0.11	173.72		111	250	3.0	12.60
	6.9	120	0.09	202.16		105	250	2.9	13.30
	5.4	120	0.07	261.57		91.5	280	2.8	15.30
	4.6	120	0.06	304.00		76.9	280	2.3	18.21
	3.6	120	0.05	393.33		72.8	280	2.2	19.24
						66.2	280	2.0	21.15
						45.8	300	1.5	30.57
						31.7	300	1.0	44.18
						27.3	300	0.9	51.30
						23.0	300	0.8	60.8



Technische Daten

n_1 1400 min⁻¹

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i		n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
CMGIS 033					CMGIS 052				
	31.0	300	1.0	45.21		371	410	16.6	3.78
	22.8	300	0.76	61.32		292	410	13.0	4.80
	19.2	300	0.64	72.83		241	410	10.8	5.82
	14.4	300	0.48	97.45		210	470	10.7	6.68
	12.1	300	0.40	115.74		167	470	8.6	8.37
	9.9	300	0.33	140.81		153	510	8.5	9.16
	8.0	300	0.27	174.26		141	510	7.9	9.90
	6.2	300	0.21	225.47		120	630	8.3	11.64
	5.3	300	0.18	262.05		106	630	7.3	13.25
	4.3	300	0.14	325.79		99.2	750	8.1	14.11
	3.7	300	0.12	378.64		86.4	750	7.1	16.20
						68.9	750	5.6	20.31
						58.3	900	5.7	24.02
						43.6	900	4.3	32.13
						30.2	900	3.0	46.31
CMGIS 042					CMGIS 053				
	374	230	9.4	3.74		25.0	900	2.50	56.05
	311	230	7.8	4.50		21.7	900	2.18	64.48
	255	230	6.4	5.48		18.7	900	1.87	74.96
	222	260	6.3	6.31		17.3	900	1.73	81.07
	176	260	5.0	7.93		16.2	900	1.63	86.24
	154	280	4.7	9.08		12.9	900	1.29	108.43
	128	280	3.9	10.93		10.9	900	1.09	128.84
	111	350	4.2	12.60		8.1	900	0.81	172.32
	105	350	4.0	13.30		7.5	900	0.75	186.17
	91.5	420	4.2	15.30		6.5	900	0.65	216.19
	76.9	420	3.5	18.21		5.6	900	0.56	248.99
	72.8	420	3.3	19.24		4.8	900	0.49	289.15
	45.8	500	2.5	30.57					
	31.7	500	1.7	44.18					
	27.3	500	1.5	51.30					
	23.0	480	1.2	60.8					
CMGIS 043									
	31.0	500	1.7	45.21					
	22.8	500	1.3	61.32					
	19.2	500	1.1	72.83					
	14.4	500	0.80	97.45					
	12.1	500	0.67	115.74					
	9.9	500	0.55	140.81					
	8.0	500	0.45	174.26					
	6.2	500	0.35	225.47					
	5.3	500	0.30	262.05					
	4.3	500	0.24	325.79					
	3.7	500	0.21	378.64					

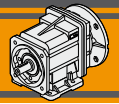
CMG

Anmerkung:

Pn_1 theoretische mechanische Eingangsleistung.
Bei der Auslegung muß die thermische Grenzleistung berücksichtigt werden.
Für mehr Details bitte den technischen Service kontaktieren.

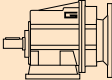

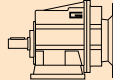

Note:

Pn_1 is an input mechanical power which must be reduced by the heating factor in order to get the relevant one. For more details please contact our Technical Service.

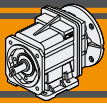


Auswahltabellen

Technical data

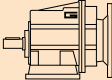

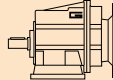

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			
0.18							0.25							
63B4 (1400 min ⁻¹)	78.4	21	5.7	17.86	CMG012	B5	71A4 (1400 min ⁻¹)	367	6	9.6	3.82	CMG012	B5/B14	
	73.4	22	5.3	19.07		B5		302	8	7.9	4.63		B5/B14	
	70.6	23	5.1	19.83		B5		246	9	6.4	5.69		B5/B14	
	59.4	28	4.3	23.56		B5		181	13	6.3	7.72		B5/B14	
	47.4	35	3.4	29.56		B5		153	15	5.3	9.17		B5/B14	
	39.5	42	2.9	35.47		B5		143	16	5.0	9.81		B5/B14	
	30.5	54	2.2	45.89		B5		122	19	5.3	11.50		B5/B14	
	28.6	58	2.1	49.00		B5		118	19	5.1	11.90		B5/B14	
	26.3	63	1.9	53.33		B5		101	23	5.3	13.80		B5/B14	
								95.7	24	5.0	14.62		B5/B14	
	30.0	54	2.2	46.61	CMG013	B5		78.4	29	4.1	17.86	B5/B14		
	25.3	64	1.9	55.36		B5		73.4	31	3.8	19.07	B5/B14		
	22.1	73	1.6	63.22		B5		70.6	32	3.7	19.83	B5/B14		
	18.6	87	1.4	75.08		B5		59.4	39	3.1	23.56	B5/B14		
	15.7	103	1.2	89.17		B5		47.4	48	2.5	29.56	B5/B14		
	12.4	130	0.9	113.05		B5		39.5	58	2.1	35.47	B5/B14		
	29.7	54	3.7	47.19	CMG023	B5		30.5	75	1.6	45.89	B5/B14		
	25.0	65	3.1	56.05		B5		28.6	80	1.5	49.00	B5/B14		
	21.9	74	2.7	64.01		B5		26.3	87	1.4	53.33	B5/B14		
	18.4	88	2.3	76.02		B5								
	15.5	104	1.9	90.29	CMG033	B5		30.0	75	1.6	46.61	CMG013	B5/B14	
	12.2	132	1.5	114.46		B5		25.3	89	1.4	55.36		B5/B14	
	10.3	157	1.3	135.95		B5		22.1	101	1.2	63.22		B5/B14	
	8.0	203	1.0	175.89		B5		18.6	120	1.0	75.08		B5/B14	
	6.8	236	0.8	204.69		B5		15.7	143	0.8	89.17		B5/B14	
	31.0	52	5.7	45.21	CMG033	B5		383	6	16.7	3.66	CMG022	B5/B14	
	22.8	71	4.2	61.32		B5		316	7	13.8	4.43		B5/B14	
	19.2	84	3.6	72.83		B5		257	9	11.2	5.45		B5/B14	
	14.4	112	2.7	97.45		B5		189	12	9.9	7.39		B5/B14	
	12.1	134	2.2	115.74		B5		160	14	8.4	8.78		B5/B14	
	9.9	163	1.8	140.81		B5		141	16	7.4	9.93		B5/B14	
	8.0	201	1.5	174.26		B5		127	18	11.1	11.01		B5/B14	
	6.2	260	1.2	225.47		B5		116	20	10.1	12.05		B5/B14	
	5.3	302	1.0	262.05		B5		106	22	9.2	13.21		B5/B14	
								94.6	24	8.3	14.81		B5/B14	
	31.0	52	9.6	45.21	CMG043	B5		81.9	28	5.7	17.10	B5/B14		
	22.8	71	7.1	61.32		B5		76.7	30	5.4	18.26	B5/B14		
	19.2	84	5.9	72.83		B5		69.7	33	6.1	20.08	B5/B14		
	14.4	112	4.4	97.45		B5		58.7	39	5.1	23.85	B5/B14		
	12.1	134	3.7	115.74		B5		46.8	49	4.1	29.93	B5/B14		
	9.9	163	3.1	140.81		B5		39.0	59	3.4	35.91	B5/B14		
	8.0	201	2.5	174.26		B5		30.1	76	2.6	46.46	B5/B14		
	6.2	260	1.9	225.47		B5		28.2	81	2.5	49.61	B5/B14		
	5.3	302	1.7	262.05		B5		25.9	88	2.3	54.00	B5/B14		
	4.3	376	1.3	325.79		B5								
	3.7	437	1.1	378.64	B5									
							29.7	76	2.6	47.19	CMG023	B5/B14		
							25.0	90	2.2	56.05		B5/B14		
							21.9	103	1.9	64.01		B5/B14		
							18.4	122	1.6	76.02		B5/B14		
							15.5	145	1.4	90.29	B5/B14			
							12.2	183	1.1	114.46	B5/B14			
							10.3	218	0.9	135.95	B5/B14			
							31.7	72	4.1	44.18	CMG032	B5		
							27.3	84	3.6	51.30		B5		
							31.0	72	4.1	45.21	CMG033	B5/B14		
							22.8	98	3.1	61.32		B5/B14		
							19.2	117	2.6	72.83		B5/B14		
							14.4	156	1.9	97.45		B5/B14		
							12.1	186	1.6	115.74		B5/B14		
							9.9	226	1.3	140.81		B5/B14		
							8.0	279	1.1	174.26		B5/B14		
							6.2	361	0.8	225.47		B5/B14		
0.25														
71A4 (1400 min ⁻¹)	279	8	4.9	5.03	CMG002	B5/B14								
	230	10	4.0	6.10		B5/B14								
	187	12	3.3	7.49		B5/B14								
	156	15	3.4	8.99		B5/B14								
	138	17	3.0	10.16		B5/B14								
	116	20	2.5	12.07		B5/B14								
	105	22	3.2	13.40		B5/B14								
	92.5	25	2.8	15.14		B5/B14								
	77.1	30	2.4	18.17		B5/B14								
	64.9	35	2.0	21.58		B5/B14								
	59.6	38	1.8	23.51		B5/B14								
	55.8	41	1.7	25.10		B5/B14								
	51.7	44	1.6	27.08		B5/B14								
	43.1	53	1.3	32.49		B5/B14								
	33.3	69	1.0	42.04		B5/B14								
	31.2	73	1.0	44.89		B5/B14								
	28.7	80	0.9	48.86	B5/B14									

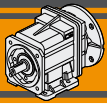
CMG



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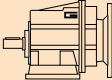

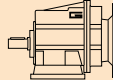

Technical data

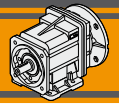
P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i							
0.25							0.37											
71A4 (1400 min ⁻¹)	31.0	72	6.9	45.21	CMG043	B5/B14	71B4 (1400 min ⁻¹)	383	9	11.3	3.66	CMG022	B5/B14					
	22.8	98	5.1	61.32					316	11	9.3			4.43		B5/B14		
	19.2	117	4.3	72.83					257	13	7.6			5.45		B5/B14		
	14.4	156	3.2	97.45					189	18	6.7			7.39		B5/B14		
	12.1	186	2.7	115.74					160	21	5.6			8.78		B5/B14		
	9.9	226	2.2	140.81					141	24	5.0			9.93		B5/B14		
	8.0	279	1.8	174.26					127	27	7.5			11.01		B5/B14		
	6.2	361	1.4	225.47					116	29	6.8			12.05		B5		
	5.3	420	1.2	262.05					106	32	6.2			13.21		B5		
	4.3	522	1.0	325.79					94.6	36	5.6			14.81		B5/B14		
	3.7	607	0.8	378.64					81.9	41	3.9			17.10		B5/B14		
	21.7	103	8.7	64.48			CMG053	B5	76.7	44	3.6			18.26		B5/B14		
	18.7	120	7.5	74.96							69.7			49	4.1	20.08		B5/B14
	17.3	130	6.9	81.07							58.7			58	3.5	23.85		B5/B14
	16.2	138	6.5	86.24					46.8	73	2.8	29.93		B5/B14				
	12.9	174	5.2	108.43					39.0	87	2.3	35.91		B5/B14				
	10.9	207	4.4	128.84					30.1	113	1.8	46.46		B5/B14				
	8.1	276	3.3	172.32					28.2	120	1.7	49.61		B5/B14				
	7.5	298	3.0	186.17					25.9	131	1.5	54.00		B5/B14				
	6.5	347	2.6	216.19					29.7	112	1.8	47.19	CMG023	B5/B14				
	5.6	399	2.3	248.99					25.0	133	1.5	56.05		B5/B14				
	4.8	464	1.9	289.15					21.9	152	1.3	64.01		B5/B14				
									18.4	180	1.1	76.02		B5/B14				
									15.5	214	0.9	90.29	B5/B14					
0.37									0.37									
71B4 (1400 min ⁻¹)	279	12	3.3	5.03	CMG002	B5/B14	374	9	16.5	3.74	CMG032	B5						
	230	15	2.7	6.10					311	11			13.7	4.50	B5			
	187	18	2.2	7.49					255	13			11.3	5.48	B5			
	156	22	2.3	8.99					222	15			11.8	6.31	B5			
	138	25	2.0	10.16					177	19			9.4	7.93	B5			
	116	29	1.7	12.07					154	22			8.2	9.08	B5			
	105	32	2.2	13.40					128	26			6.8	10.93	B5			
	92.5	37	1.9	15.14					111	31			8.2	12.60	B5			
	77.1	44	1.6	18.17					105	32			7.8	13.30	B5			
	64.9	52	1.3	21.58					91.5	37			7.6	15.30	B5			
	59.6	57	1.2	23.51					76.9	44			6.3	18.21	B5			
	55.8	61	1.2	25.10					72.8	47			6.0	19.24	B5			
	51.7	66	1.1	27.08					66.2	51			5.5	21.15	B5			
	43.1	79	0.9	32.49					45.8	74			4.0	30.57	B5			
	367	9	6.5	3.82	CMG012	B5/B14	31.7	107	2.8	44.18	CMG033	B5/B14						
	302	11	5.3	4.63					27.3	124			2.4	51.30	B5/B14			
	246	14	4.4	5.69					23.0	147			2.0	60.80	B5/B14			
	181	19	4.3	7.72					31.0	107			2.8	45.21	B5/B14			
	153	22	3.6	9.17					22.8	145			2.1	61.32	B5/B14			
	143	24	3.4	9.81					19.2	173			1.7	72.83	B5/B14			
	122	28	3.6	11.50					14.4	231			1.3	97.45	B5/B14			
	118	29	3.5	11.90					12.1	275			1.1	115.74	B5/B14			
	101	33	3.6	13.80					9.9	334			0.9	140.81	B5/B14			
	95.7	35	3.4	14.62					31.0	107			4.7	45.21	CMG043	B5/B14		
	78.4	43	2.8	17.86					22.8	145			3.4	61.32			B5/B14	
	73.4	46	2.6	19.07					19.2	173			2.9	72.83			B5/B14	
	70.6	48	2.5	19.83					14.4	231			2.2	97.45			B5/B14	
	59.4	57	2.1	23.56					12.1	275			1.8	115.74			B5/B14	
	47.4	72	1.7	29.56			9.9	334	1.5	140.81	B5/B14							
	39.5	86	1.4	35.47			8.0	413	1.2	174.26	B5/B14							
	30.5	111	1.1	45.89			6.2	535	0.9	225.47	B5/B14							
	28.6	119	1.0	49.00							B5/B14							
	26.3	129	0.9	53.33							B5/B14							
	30.0	111	1.1	46.61	CMG013	B5/B14												
	25.3	131	0.9	55.36														
	22.1	150	0.8	63.22														



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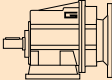

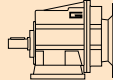

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i										
0.75							0.75														
80B4 (1400 min ⁻¹)	279	25	1.6	5.03	CMG002	B5/B14	80B4 (1400 min ⁻¹)	374	18	12.5	3.74	CMG042	B5/B14								
	230	30	1.3	6.10						311	22			10.4	4.50		B5/B14				
	187	37	1.1	7.49						255	27			8.5	5.48		B5/B14				
	156	44	1.1	8.99						222	31			8.4	6.31		B5/B14				
	138	50	1.0	10.16						177	39			6.7	7.93		B5/B14				
	116	59	0.8	12.07						154	45			6.3	9.08		B5/B14				
	105	66	1.1	13.40						128	54			5.2	10.93		B5/B14				
	92.5	74	0.9	15.14						111	62			5.7	12.60		B5/B14				
	77.1	89	0.8	18.17						105	65			5.4	13.30		B5/B14				
										91.5	75			5.6	15.30		B5/B14				
	367	19	3.2	3.82			CMG012	B5/B14		76.9	89			4.7	18.21	CMG043	B5/B14				
	302	23	2.6	4.63										72.8	94			4.4	19.24		B5/B14
	246	28	2.1	5.69										45.8	150			3.3	30.57		B5/B14
	181	38	2.1	7.72										31.7	217			2.3	44.18		B5/B14
	153	45	1.8	9.17										27.3	252			2.0	51.30		B5/B14
	143	48	1.7	9.81										23.0	299			1.6	60.80		B5/B14
	122	56	1.8	11.50																	
	118	58	1.7	11.90						31.0	217	2.3	45.21		B5/B14						
	101	68	1.8	13.80						22.8	295	1.7	61.32		B5/B14						
	95.7	72	1.7	14.62						19.2	350	1.4	72.83		B5/B14						
	78.4	88	1.4	17.86						14.4	469	1.1	97.45		B5/B14						
	73.4	94	1.3	19.07						12.1	557	0.9	115.74		B5/B14						
	70.6	97	1.2	19.83										CMG052	B5						
	59.4	116	1.0	23.56						68.9	100	7.5	20.31					B5			
										58.3	118	7.6	24.02		B5						
	383	18	5.6	3.66	CMG022	B5/B14				43.6	158	5.7	32.13		B5						
	316	22	4.6	4.43						30.2	227	4.0	46.31		B5						
	257	27	3.7	5.45						25.0	270	3.3	56.05		B5						
	189	36	3.3	7.39						21.7	310	2.9	64.48		B5						
	160	43	2.8	8.78						18.7	361	2.5	74.96		B5						
	141	49	2.5	9.93						17.3	390	2.3	81.07		B5						
	127	54	3.7	11.01						16.2	415	2.2	86.24		B5						
	116	59	3.4	12.05						12.9	521	1.7	108.43		B5						
	106	65	3.1	13.21						10.9	620	1.5	128.84		B5						
	94.6	73	2.8	14.81						8.1	829	1.1	172.32		B5						
	81.9	84	1.9	17.10						7.5	895	1.0	186.17		B5						
	76.7	90	1.8	18.26						6.5	1040	0.9	216.19		B5						
	69.7	99	2.0	20.08																	
	58.7	117	1.7	23.85																	
	46.8	147	1.4	29.93																	
	39.0	176	1.1	35.91																	
	30.1	228	0.9	46.46																	
	28.2	244	0.8	49.61																	
	25.9	265	0.8	54.00																	
	374	18	8.2	3.74	CMG032	B5/B14						CMG022	B5/B14								
	311	22	6.8	4.50						383	26			3.8	3.66		B5/B14				
	255	27	5.6	5.48						316	32			3.1	4.43		B5/B14				
	222	31	5.8	6.31						257	39			2.5	5.45		B5/B14				
	177	39	4.6	7.93						189	53			2.3	7.39		B5/B14				
	154	45	4.0	9.08						160	63			1.9	8.78		B5/B14				
	128	54	3.4	10.93						141	72			1.7	9.93		B5/B14				
	111	62	4.0	12.60						116	87			2.3	12.05		B5/B14				
	105	65	3.8	13.30						106	95			2.1	13.21		B5/B14				
	91.5	75	3.7	15.30						94.6	107			1.9	14.81		B5/B14				
	76.9	89	3.1	18.21						69.7	145			1.4	20.08		B5/B14				
	72.8	94	3.0	19.24						58.7	172			1.2	23.85		B5/B14				
	66.2	104	2.7	21.15						39.0	259			0.8	35.91		B5/B14				
	45.8	150	2.0	30.57																	
	31.7	217	1.4	44.18																	
	27.3	252	1.2	51.30																	
	23.0	299	1.0	60.80																	
	31.0	217	1.4	45.21	CMG033	B5/B14															
	22.8	295	1.0	61.32																	

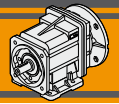


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Technical data

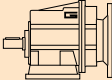

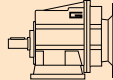

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i					
1.1							1.5									
90S4 (1400 min ⁻¹)	374	27	5.6	3.74	CMG032	B5/B14	90L4 (1400 min ⁻¹)	367	38	1.6	3.82	CMG012	B5/B14			
	311	32	4.6	4.50			B5/B14	302	45	1.3	4.63			B5/B14		
	255	39	3.8	5.48			B5/B14	246	56	1.1	5.69			B5/B14		
	222	45	4.0	6.31			B5/B14	181	76	1.1	7.72			B5/B14		
	177	57	3.2	7.93			B5/B14	153	90	0.9	9.17			B5/B14		
	154	65	2.8	9.08			B5/B14									
	128	79	2.3	10.93			B5/B14	383	36	2.8	3.66			CMG022	B5/B14	
	111	91	2.8	12.60			B5/B14	316	44	2.3	4.43					B5/B14
	105	96	2.6	13.30			B5/B14	257	54	1.9	5.45					B5/B14
	91.5	110	2.5	15.30			B5/B14	189	73	1.7	7.39					B5/B14
	76.9	131	2.1	18.21			B5/B14	160	86	1.4	8.78					B5/B14
	72.8	139	2.0	19.24			B5/B14	141	98	1.2	9.93					B5/B14
	66.2	152	1.8	21.15			B5/B14	116	118	1.7	12.05					B5/B14
	45.8	220	1.4	30.57			B5/B14	106	130	1.5	13.21					B5/B14
	31.7	318	0.9	44.18			B5/B14	94.6	145	1.4	14.81					B5/B14
						69.7	197	1.0	20.08	B5/B14						
						58.7	234	0.9	23.85	B5/B14						
	31.0	319	0.9	45.21	CMG033	B5/B14										
	374	27	8.5	3.74	CMG042	B5/B14	374	37	4.1	3.74	CMG032	B5/B14				
	311	32	7.1	4.50			B5/B14	311	44	3.4			4.50			B5/B14
	255	39	5.8	5.48			B5/B14	255	54	2.8			5.48			B5/B14
	222	45	5.7	6.31			B5/B14	222	62	2.9			6.31	B5/B14		
	177	57	4.6	7.93			B5/B14	177	78	2.3			7.93	B5/B14		
	154	65	4.3	9.08			B5/B14	154	89	2.0			9.08	B5/B14		
	128	79	3.6	10.93			B5/B14	128	107	1.7			10.93	B5/B14		
	111	91	3.9	12.60			B5/B14	111	124	2.0			12.60	B5/B14		
	105	96	3.7	13.30			B5/B14	105	131	1.9			13.30	B5/B14		
	91.5	110	3.8	15.30			B5/B14	91.5	150	1.9			15.30	B5/B14		
	76.9	131	3.2	18.21			B5/B14	76.9	179	1.6			18.21	B5/B14		
	72.8	139	3.0	19.24			B5/B14	72.8	189	1.5			19.24	B5/B14		
	45.8	220	2.3	30.57			B5/B14	66.2	208	1.3			21.15	B5/B14		
	31.7	318	1.6	44.18			B5/B14	45.8	300	1.0			30.57	B5/B14		
	27.3	370	1.4	51.30			B5/B14									
	23.0	438	1.1	60.80	B5/B14											
	31.0	319	1.6	45.21	CMG043	B5/B14	374	37	6.3	3.74	CMG042	B5/B14				
	22.8	433	1.2	61.32			B5/B14	311	44	5.2			4.50	B5/B14		
	19.2	514	1.0	72.83			B5/B14	255	54	4.3			5.48	B5/B14		
	371	27	15.1	3.78	CMG052	B5/B14	222	62	4.2	6.31			B5/B14			
	292	35	11.9	4.80			B5/B14	177	78	3.3			7.93	B5/B14		
	241	42	9.8	5.82			B5/B14	154	89	3.1			9.08	B5/B14		
	210	48	9.8	6.68			B5/B14	128	107	2.6			10.93	B5/B14		
	167	60	7.8	8.37			B5/B14	111	124	2.8			12.60	B5/B14		
	153	66	7.7	9.16			B5/B14	105	131	2.7			13.30	B5/B14		
	141	71	7.1	9.90			B5/B14	91.5	150	2.8			15.30	B5/B14		
	120	84	7.5	11.64			B5/B14	76.9	179	2.3			18.21	B5/B14		
	106	95	6.6	13.25			B5/B14	72.8	189	2.2			19.24	B5/B14		
	99.2	102	7.4	14.11			B5/B14	45.8	300	1.7			30.57	B5/B14		
	86.4	117	6.4	16.20			B5/B14	31.7	434	1.2			44.18	B5/B14		
	68.9	146	5.1	20.31			B5/B14	27.3	504	1.0			51.30	B5/B14		
	58.3	173	5.2	24.02			B5/B14									
	43.6	231	3.9	32.13			B5/B14	31.0	435	1.1	45.21	CMG043	B5/B14			
	30.2	334	2.7	46.31			B5/B14	22.8	590	0.8	61.32			B5/B14		
	25.0	395	2.3	56.05	CMG053	B5/B14	371	37	11.1	3.78	CMG052	B5/B14				
	21.7	455	2.0	64.48			B5/B14	292	47	8.7			4.80	B5/B14		
	18.7	529	1.7	74.96			B5/B14	241	57	7.2			5.82	B5/B14		
	17.3	572	1.6	81.07			B5/B14	210	66	7.2			6.68	B5/B14		
	16.2	608	1.5	86.24			B5/B14	167	82	5.7			8.37	B5/B14		
	12.9	765	1.2	108.43			B5/B14	153	90	5.7			9.16	B5/B14		
	10.9	909	1.0	128.84			B5/B14	141	97	5.2			9.90	B5/B14		
								120	114	5.5			11.64	B5/B14		
								106	130	4.8			13.25	B5/B14		
								99.2	139	5.4			14.11	B5/B14		
								86.4	159	4.7			16.20	B5/B14		
								68.9	199	3.8			20.31	B5/B14		
								58.3	236	3.8			24.02	B5/B14		
								43.6	316	2.9			32.13	B5/B14		
								30.2	455	2.0			46.31	B5/B14		

CMG

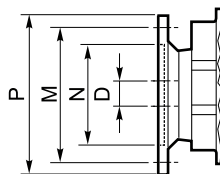
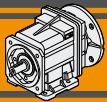


Auswahltabellen

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i						
2.2							4										
100LA4 (1400 min ⁻¹)	371	54	7.5	3.78	CMG052	B5/B14	112M4 (1400 min ⁻¹)	374	98	1.5	3.74	CMG032	B5/B14				
	292	69	5.9	4.80			B5/B14	311	118	1.3	4.50			B5/B14			
	241	84	4.9	5.82			B5/B14	255	144	1.0	5.48			B5/B14			
	210	96	4.9	6.68			B5/B14	222	165	1.1	6.31			B5/B14			
	167	121	3.9	8.37			B5/B14	177	208	0.9	7.93			B5/B14			
	153	132	3.9	9.16			B5/B14										
	141	143	3.6	9.90			B5/B14	374	98	2.3	3.74			CMG042	B5/B14		
	120	168	3.8	11.64			B5/B14	311	118	1.9	4.50					B5/B14	
	106	191	3.3	13.25			B5/B14	255	144	1.6	5.48					B5/B14	
	99.2	203	3.7	14.11			B5/B14	222	165	1.6	6.31					B5/B14	
	86.4	233	3.2	16.20			B5/B14	177	208	1.3	7.93					B5/B14	
	68.9	293	2.6	20.31			B5/B14	154	238	1.2	9.08					B5/B14	
	58.3	346	2.6	24.02			B5/B14	128	286	1.0	10.93					B5/B14	
	43.6	463	1.9	32.13			B5/B14	111	330	1.1	12.60					B5/B14	
	30.2	667	1.3	46.31			B5/B14	105	348	1.0	13.30					B5/B14	
	25.0	791	1.1	56.05	CMG053	B5/B14	91.5	401	1.0	15.30	CMG052	B5/B14					
	21.7	910	1.0	64.48			B5/B14	76.9	477	0.9			18.21			B5/B14	
	18.7	1057	0.9	74.96			B5/B14	72.8	504	0.8			19.24			B5/B14	
3							5.5										
100LB4 (1400 min ⁻¹)	374	74	2.0	3.74	CMG032	B5/B14	132S4 (1400 min ⁻¹)	371	136	3.0			3.78			CMG052	B5
	311	88	1.7	4.50			B5/B14	292	173	2.4			4.80				
	255	108	1.4	5.48			B5/B14	241	210	2.0			5.82	B5			
	222	124	1.5	6.31			B5/B14	210	241	2.0			6.68	B5			
	177	156	1.2	7.93			B5/B14	167	302	1.6			8.37	B5			
	154	178	1.0	9.08			B5/B14	153	330	1.5			9.16	B5			
	128	215	0.8	10.93			B5/B14	141	357	1.4			9.90	B5			
	111	248	1.0	12.60			B5/B14	120	419	1.5			11.64	B5			
	105	261	1.0	13.30			B5/B14	106	477	1.3			13.25	B5			
	91.5	301	0.9	15.30			B5/B14	99.2	508	1.5			14.11	B5			
	76.9	358	1.2	18.21			B5/B14	86.4	583	1.3			16.20	B5			
	72.8	378	1.1	19.24			B5/B14	68.9	731	1.0	20.31	B5					
	45.8	601	0.8	30.57			B5/B14	58.3	865	1.0	24.02	B5					
	374	74	3.1	3.74			CMG042	B5/B14									
	311	88	2.6	4.50					B5/B14								
	255	108	2.1	5.48	B5/B14												
	222	124	2.1	6.31	B5/B14												
	177	156	1.7	7.93	B5/B14												
	154	178	1.6	9.08	B5/B14												
	128	215	1.3	10.93	B5/B14												
	111	248	1.4	12.60	B5/B14												
	105	261	1.3	13.30	B5/B14												
	91.5	301	1.4	15.30	B5/B14												
	76.9	358	1.2	18.21	B5/B14												
	72.8	378	1.1	19.24	B5/B14												
	45.8	601	0.8	30.57	B5/B14												
	371	74	5.5	3.78	CMG052	B5/B14											
	292	94	4.3	4.80					B5/B14								
	241	114	3.6	5.82			B5/B14										
	210	131	3.6	6.68			B5/B14										
	167	164	2.9	8.37			B5/B14										
	153	180	2.8	9.16			B5/B14										
	141	195	2.6	9.90			B5/B14										
	120	229	2.8	11.64			B5/B14										
	106	260	2.4	13.25			B5/B14										
	99.2	277	2.7	14.11			B5/B14										
	86.4	318	2.4	16.20			B5/B14										
	68.9	399	1.9	20.31			B5/B14										
	58.3	472	1.9	24.02			B5/B14										
	43.6	631	1.4	32.13			B5/B14										
	30.2	910	1.0	46.31			B5/B14										
	25.0	1078	0.8	56.05	CMG053	B5/B14											
7.5							7.5										
							132MA4 (1400 min ⁻¹)	371	185	2.2	3.78	CMG052	B5				
							292	236	1.7	4.80	B5						
							241	286	1.4	5.82	B5						
							210	328	1.4	6.68	B5						
							167	411	1.1	8.37	B5						
							153	450	1.1	9.16	B5						
							141	486	1.0	9.90	B5						
							120	572	1.1	11.64	B5						
							106	651	1.0	13.25	B5						
							99.2	693	1.1	14.11	B5						
							86.4	796	0.9	16.20	B5						

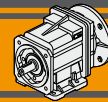
CMG



	IEC	N	M	P	D	i (Untersetzung / ratio)																		
						5.03	6.1	7.49	8.99	10.16	12.07	13.4	15.14	18.17	21.58	23.51	25.1	27.08	32.49	42.04	44.89	48.86		
CMG002	80B5	130	165	200	19																			
	80B14	80	100	120																				
	71B5	110	130	160	14																			
	71B14	70	85	105																				
	63B5	95	115	140	11	B																		
	63B14	60	75	90																				
	56B5	80	100	120	9	BS																		
	56B14	50	65	80																				
						3.82	4.63	5.69	7.72	9.17	9.81	11.50	11.90	13.80	14.62	17.86	19.07	19.83	23.56	29.56	35.47	45.89	49.00	53.33
CMG012	90 B5	130	165	200	24																			
	90 B14	95	115	140																				
	80 B5	130	165	200	19																			
	80 B14	80	100	120																				
	71 B5	110	130	160	14	B																		
	71 B14	70	85	105																				
	63 B5	95	115	140	11	BS																		
						46.61	55.36	63.22	75.08	89.17	113.05	134.27	173.72	202.16	261.57	304.00	393.33							
CMG013	90 B5	130	165	200	24																			
	90 B14	95	115	140																				
	80 B5	130	165	200	19																			
	80 B14	80	100	120																				
	71 B5	110	130	160	14	B																		
	71 B14	70	85	105																				
	63 B5	95	115	140	11	BS																		
						3.66	4.43	5.45	7.39	8.78	9.93	11.01	12.05	13.21	14.81	17.10	18.26	20.08	23.85	29.93	35.91	46.46	49.61	54.00
CMG022	90 B5	130	165	200	24																			
	90 B14	95	115	140																				
	80 B5	130	165	200	19																			
	80 B14	80	100	120																				
	71 B5	110	130	160	14	B																		
	71 B14	70	85	105																				
	63 B5	95	115	140	11	BS																		
						47.19	56.05	64.01	76.02	90.29	114.46	135.95	175.89	204.69	264.84	307.80	398.25							
CMG023	90 B5	130	165	200	24																			
	90 B14	95	115	140																				
	80 B5	130	165	200	19																			
	80 B14	80	100	120																				
	71 B5	110	130	160	14	B																		
	71 B14	70	85	105																				
	63 B5	95	115	140	11	BS																		

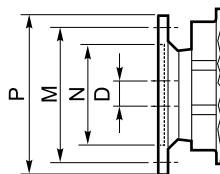
N.B.
Hervorgehobene Bereiche = Mögliche Motorgrößen
B/BS = Reduzierhülse

N.B.
Highlighted areas indicate motor inputs available on each size of unit.
B/BS = Metal shaft sleeve.



IEC Motoradapter

IEC Motor adapters



CMG

	IEC	N	M	P	D	i (Untersetzung / ratio)														
						3.74	4.50	5.48	6.31	7.93	9.08	10.93	12.60	13.30	15.30	18.21	19.24	21.15	30.57	44.18
CMG032	100/112B5	180	215	250	28															
	100/112B14	110	130	160																
	90 B5	130	165	200	24															
	90 B14	95	115	140																
	80 B5	130	165	200	19	B														
	80 B14	80	100	120																
	71 B5	110	130	160	14	BS														

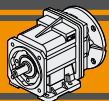
						3.74	4.50	5.48	6.31	7.93	9.08	10.93	12.60	13.30	15.30	18.21	19.24	30.57	44.18	51.30
CMG042	100/112B5	180	215	250	28															
	100/112B14	110	130	160																
	90 B5	130	165	200	24															
	90 B14	95	115	140																
	80 B5	130	165	200	19	B														
	80 B14	80	100	120																
	71 B5	110	130	160	14	BS														

						45.21	61.32	72.83	97.45	115.74	140.81	174.26	225.47	262.05	325.79	378.64
CMG033 CMG043	90 B5	130	165	200	24											
	90 B14	95	115	140												
	80 B5	130	165	200	19											
	80 B14	80	100	120												
	71 B5	110	130	160	14	B										
	71 B14	70	85	105												
	63 B5	95	115	140	11	BS										

						3.78	4.80	5.82	6.68	8.37	9.16	9.90	11.64	13.25	14.11	16.20	20.31	24.02	32.13	46.31															
CMG052	132 B5	230	265	300	38																														
	100/112B5	180	215	250	28																														
	100/112B14	110	130	160																															
	90 B5	130	165	200	24																B														
	90 B14	95	115	140																															
	80 B5	130	165	200	19																BS														

						56.05	64.48	74.96	81.07	86.24	108.43	128.84	172.32	186.17	216.19	248.99	289.15
CMG053	100/112B5	180	215	250	28												
	100/112B14	110	130	160													
	90 B5	130	165	200	24												
	90 B14	95	115	140													
	80 B5	130	165	200	19	B											
	80 B14	80	100	120													
	71 B5	110	130	160	14	BS											





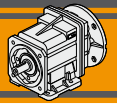
Abmessungen

Dimensions

CMG CMGIS	A	B	I	j	LM	LR	Eingangswelle / Input shaft					Abtriebswelle / Output shaft					Gewicht/ Weight [kg]	
							D ₁ h6	E ₁	F ₁	G ₁	T ₁	D ₂ h6	E ₂	F ₂	G ₂	T ₂	CMG	CMGIS
002	92	81.5	0	44	143 ¹⁾ 153 ²⁾	140	14	30	5	M6	16	16 20	40	5 6	M6	18 22.5	2.9 ¹⁾ 3.2 ²⁾	3.0
012	124	93	6.5	45	195	187	16	40	5	M6	18	20	40	6	M6	22.5	5.3	5.0
013		112	43		268	260											7.8	7.5
022	124	98	11.5	45	205	197	16	40	5	M6	18	25	50	8	M8	28	6.2	5.9
023		117	48		278	270											8.7	8.4
032	156	118	5	70	237	229.5	19	40	6	M6	21.5	30	60	8	M10	33	11.3	11.2
033			41.5		303	295											16	5
042	156	128	15	70	250	242.5	19	40	6	M6	21.5	35	70	10	M12	38	13.2	13.1
043			51.5		316	308											16	5
052	190	157	20	88	307.5	286.5	28	60	8	M10	31	40	80	12	M16	43	37.5	37.8
053			68		380	373											19	40

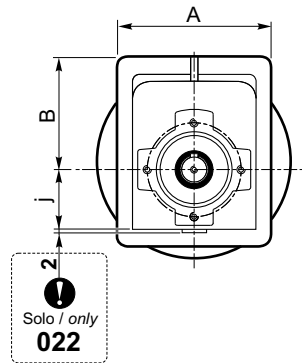
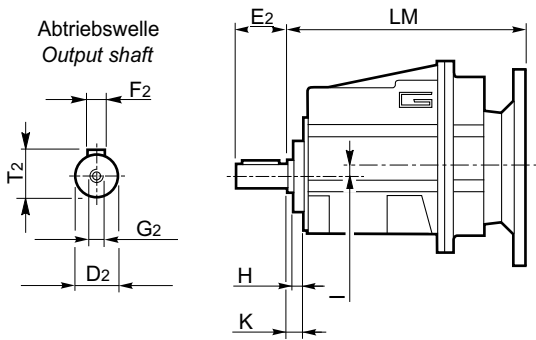
¹⁾ IEC 63/71, ²⁾ IEC 80

Version U / U Version						
CMG CMGIS	H	K	L	M	N f7	O
002	2.5	11	78	64	50	n°5 M6x14
012 013	8.5	13.5	95	76	60	n°4 M8x15
022 023	8.5	13.5	95	76	60	n°4 M8x15
032 033	9	15	127	110	90	n°6 M8x19
042 043	9	15	127	110	90	n°6 M8x19
052 053	10	16	160	135	110	n°6 M10x22

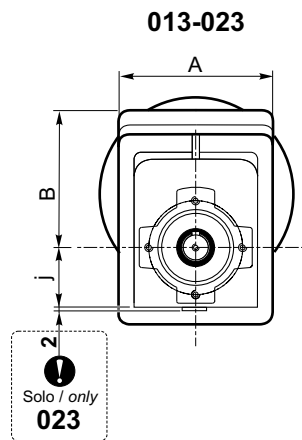
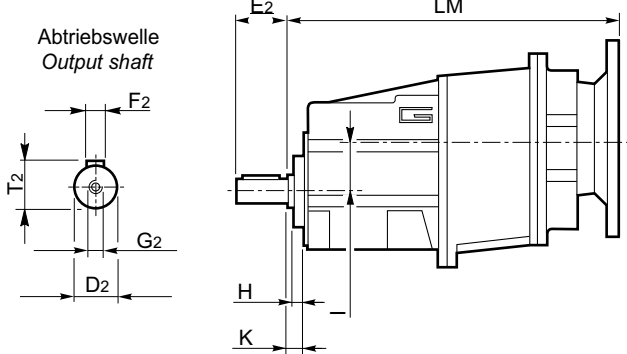


CMG..U

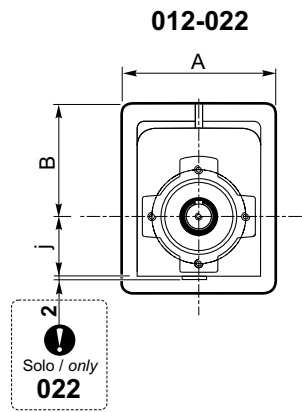
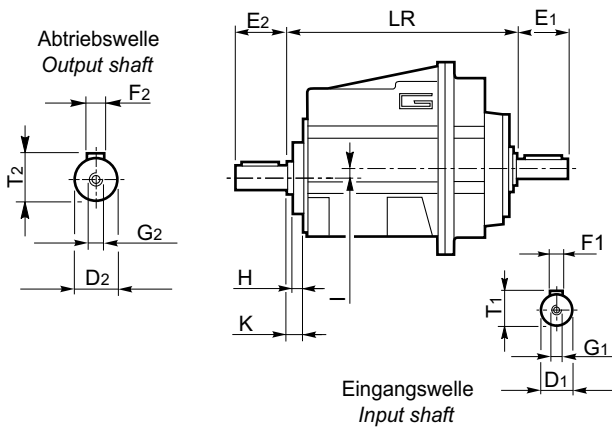
CMG..2 U



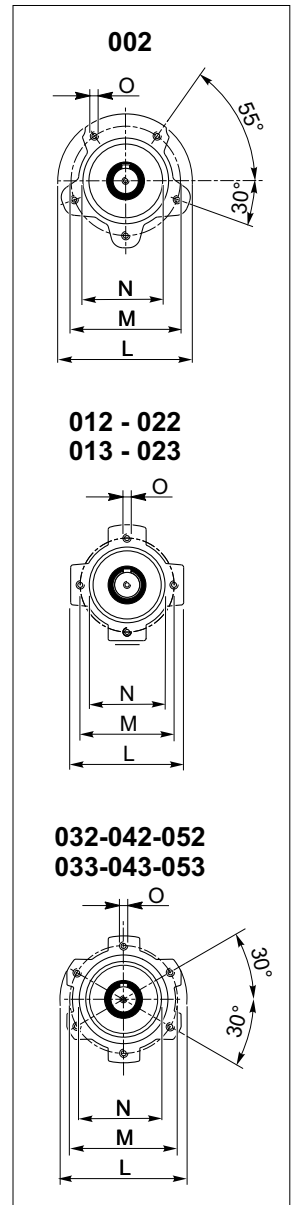
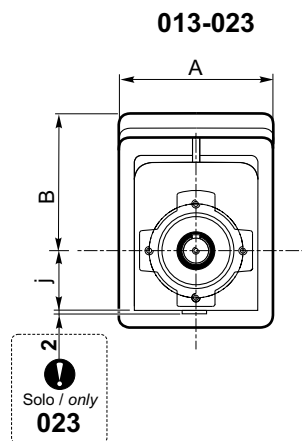
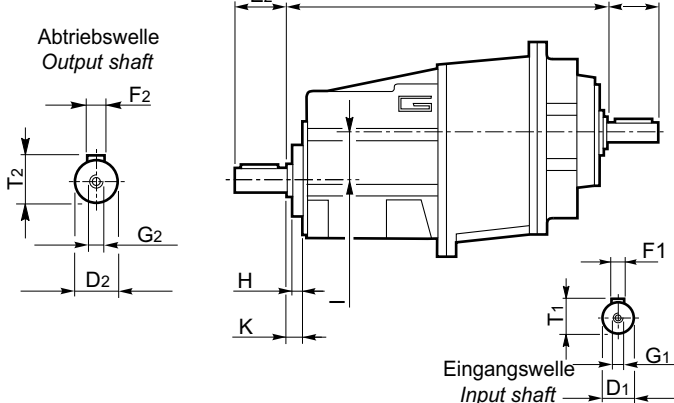
CMG..3 U



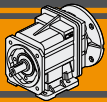
CMGIS..2 U



CMGIS..3 U



CMG



Abmessungen

Dimensions

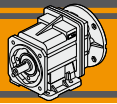
CMG CMGIS	A	B	I	LM	LR	Eingangswelle / Input shaft					Abtriebswelle / Output shaft					*Gewicht/ Weight [kg]	
						D ₁ h6	E ₁	F ₁	G ₁	T ₁	D ₂ h6	E ₂	F ₂	G ₂	T ₂	CMG	CMGIS
002	92	81.5	0	143 ¹⁾ 153 ²⁾	140	14	30	5	M6	16	16 20	40	5 6	M6	18 22.5	2.9 ¹⁾ 3.2 ²⁾	3.0
012	124	93	6.5	195	187	16	40	5	M6	18	20	40	6	M6	22.5	5.3	5.0
013		112	43	268	260											7.8	7.5
022	124	98	11.5	205	197	16	40	5	M6	18	25	50	8	M8	28	6.2	5.9
023		117	48	278	270											8.7	8.4
032	156	118	5	237	229.5	19	40	6	M6	21.5	30	60	8	M10	33	11.3	11.2
033			41.5	303	295	16		5		18						13.6	13.3
042	156	128	15	250	242.5	19	40	6	M6	21.5	35	70	10	M12	38	13.2	13.1
043			51.5	316	308	16		5		18						15.5	15.2
052	190	157	20	307.5	286.5	28	60	8	M10	31	40	80	12	M16	43	37.5	37.8
053			68	380	373	19	40	6	M6	21.5						42.0	42.3

¹⁾ IEC 63/71, ²⁾ IEC 80

* Version U / U Version

Version H / H Version										
CMG CMGIS	P	Q	R	S	U	V	X	Z	Fuß / Foot	
									Typ / Type	Gewicht/ Weight [kg]
002	18	60	80	9	100	10	60	120	H60	0.2
	18	80	104	9	110 - 120	10	75	145	H75	0.3
	18	50 - 87	110	9	110	10	85	135	H85	0.4
012 013	20	85	108	9	115	12	65	139	H65	0.7
	18	80	118	9	110	12	75	140	H75	1.0
	25	85	120	9	120	12	80	140	H80	1.1
	18	50 - 87	118	9	110	12	85	130	H85	1.2
	25	130	154	9	110	12	90	135	H90	1.5
	18	50 - 107.5	135	11	130	12	100	155	H100	1.7
022 023	20	85	108	9	115	12	65	139	H65	0.7
	18	80	118	9	110	12	75	140	H75	1.0
	25	85	120	9	120	12	80	140	H80	1.1
	18	50 - 87	118	9	110	12	85	130	H85	1.2
	25	130	154	9	110	12	90	135	H90	1.5
	18	50 - 107.5	135	11	130	12	100	155	H100	1.7
032 033	30	105	136	14	160	14	95	194	H95	1.5
	30	100	150	11	150	14	110	185	H110	1.9
	18	70			160					
	30	165	195	14	135	14	115	170	H115	2.2
	35	110	160	14	170	14	120	210	H120	2.6
042 043	30	105	136	14	160	14	95	194	H95	1.5
	30	100	150	11	150	14	110	185	H110	1.9
	18	70			160					
	30	165	195	14	135	14	115	170	H115	2.2
	35	110	160	14	170	14	120	210	H120	2.6
052 053	35	145	200	18	200	22	120	239	H120	3.5
	35	205	244	18	170	22	140	219	H140	4.3
	25	110 156	199	18	225	22	155	264	H155	5.1

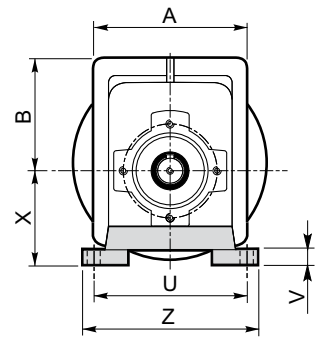
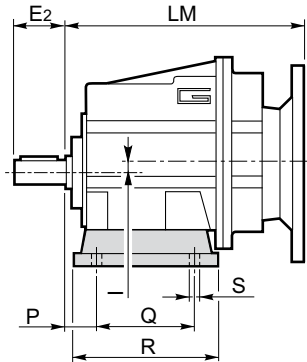
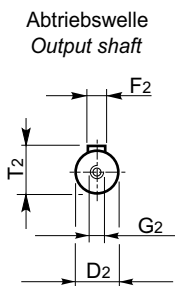
Bevorzugt / Preferred



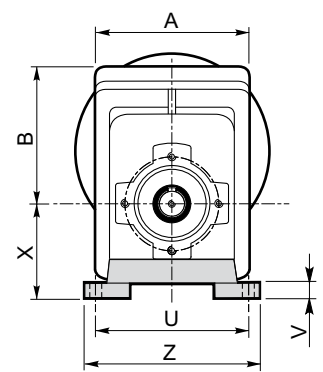
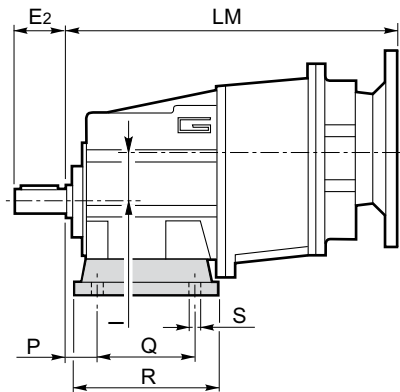
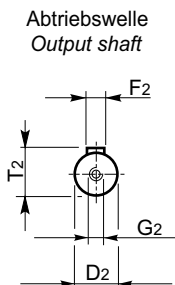
CMG..H

CMG

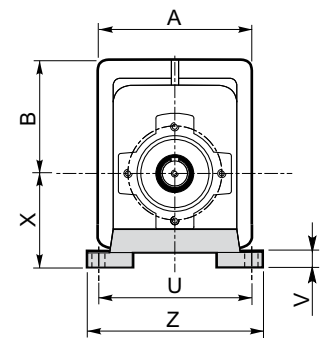
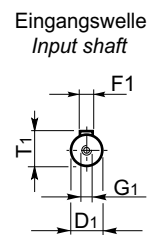
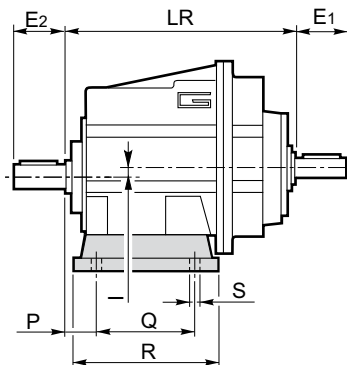
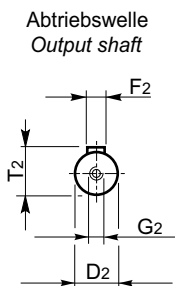
CMG..2 H..



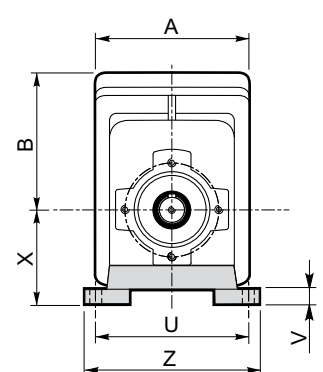
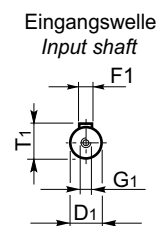
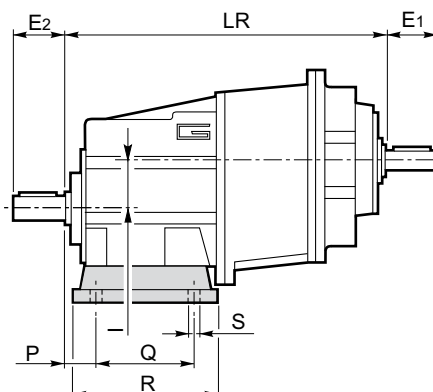
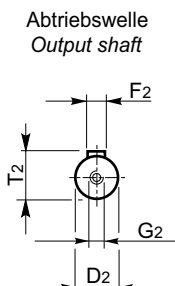
CMG..3 H..

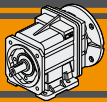


CMGIS..2 H..



CMGIS..3 H..





Abmessungen

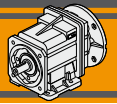
Dimensions

CMG CMGIS	A	B	I	LM	LR	Eingangswelle / Input shaft					Abtriebswelle / Output shaft					*Gewicht/ Weight [kg]	
						D ₁ h6	E ₁	F ₁	G ₁	T ₁	D ₂ h6	E ₂	F ₂	G ₂	T ₂	CMG	CMGIS
002	92	81.5	0	143 ¹⁾ 153 ²⁾	140	14	30	5	M6	16	16 20	40	5 6	M6	18 22.5	2.9 ¹⁾ 3.2 ²⁾	3.0
012	124	93	6.5	195	187	16	40	5	M6	18	20	40	6	M6	22.5	5.3	5.0
013		112	43	268	260											7.8	7.5
022	124	98	11.5	205	197	16	40	5	M6	18	25	50	8	M8	28	6.2	5.9
023		117	48	278	270											8.7	8.4
032	156	118	5	237	229.5	19	40	6	M6	21.5	30	60	8	M10	33	11.3	11.2
033			41.5	303	295	16		5		18						13.6	13.3
042	156	128	15	250	242.5	19	40	6	M6	21.5	35	70	10	M12	38	13.2	13.1
043			51.5	316	308	16		5		18						15.5	15.2
052	190	157	20	307.5	286.5	28	60	8	M10	31	40	80	12	M16	43	37.5	37.8
053			68	380	373	19										40	6

¹⁾ IEC 63/71, ²⁾ IEC 80

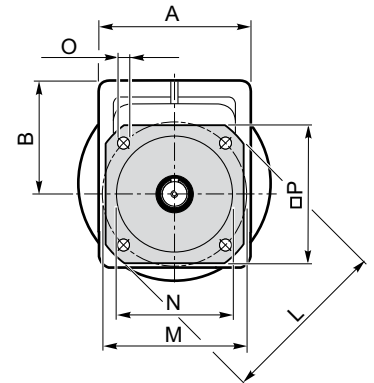
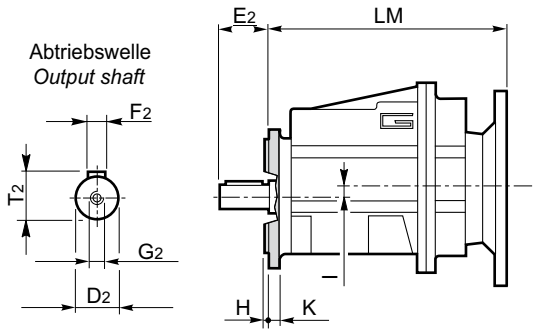
* Version U / U Version

Version F / F Version									
CMG CMGIS	H	K	L	M	N f7	O	P	Flansch / Flange	
								Typ / Type	Gewicht/ Weight [kg]
002	3.5	7	105	85	70	6.5	90	F105	0.1
	3.5	8	120	100	80	7	100	F120	0.2
	3.5	8	140	115	95	9	115	F140	0.2
012 013	3	9	120	100	80	9	106	F120	0.5
	3.5	9	140	115	95	9	115	F140	0.8
	3.5	9	160	130	110	9	126	F160	1.1
	3.5	11	200	165	130	11	165	F200	1.8
022 023	3	9	120	100	80	9	106	F120	0.5
	3.5	9	140	115	95	9	115	F140	0.8
	3.5	9	160	130	110	9	126	F160	1.1
	3.5	11	200	165	130	11	165	F200	1.8
032 033	3.5	11	160	130	110	9	140	F160	1.0
	3.5	11	200	165	130	11	165	F200	1.8
	4	13	250	215	180	14	215	F250	2.9
042 043	3.5	11	160	130	110	9	140	F160	1.0
	3.5	11	200	165	130	11	165	F200	1.8
	4	13	250	215	180	14	215	F250	2.9
052 053	4	13	250	215	180	14	215	F250	2.9
	4	13	300	265	230	14	265	F300	4.4

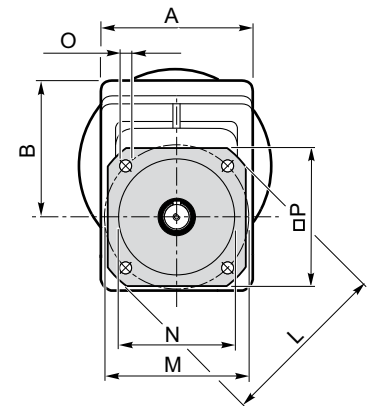
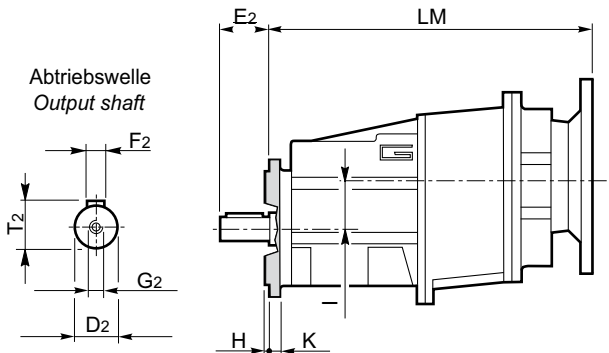


CMG..F

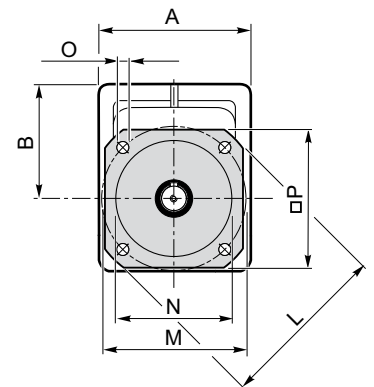
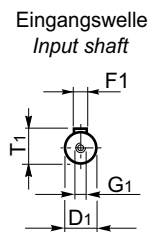
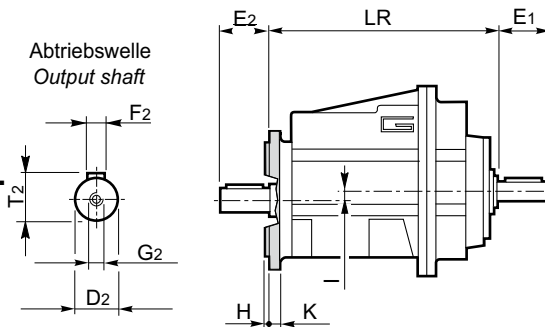
CMG..2 F..



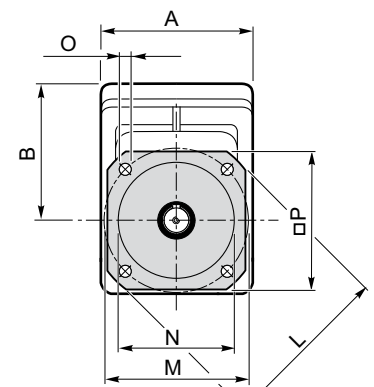
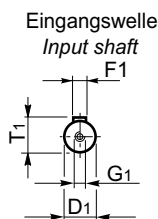
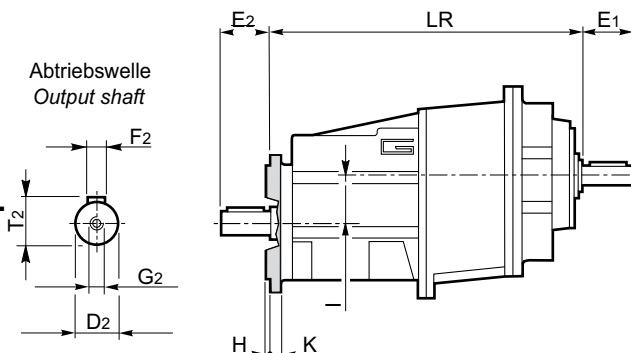
CMG..3 F..



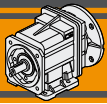
CMGIS..2 F..



CMGIS..3 F..



CMG



Abmessungen

Dimensions

CMG CMGIS	A	B	I	LM	LR	Eingangswelle / Input shaft					Abtriebswelle / Output shaft					*Gewicht / Weight [kg]	
						D ₁ h6	E ₁	F ₁	G ₁	T ₁	D ₂ h6	E ₂	F ₂	G ₂	T ₂	CMG	CMGIS
002	92	81.5	0	143 ¹⁾ 153 ²⁾	140	14	30	5	M6	16	16 20	40	5 6	M6	18 22.5	2.9 ¹⁾ 3.2 ²⁾	3.0
012 013	124	93 112	6.5 43	195 268	187 260	16	40	5	M6	18	20	40	6	M6	22.5	5.3 7.8	5.0 7.5
022 023	124	98 117	11.5 48	205 278	197 270	16	40	5	M6	18	25	50	8	M8	28	6.2 8.7	5.9 8.4
032 033	156	118	5 41.5	237 303	229.5 295	19 16	40	6 5	M6	21.5 18	30	60	8	M10	33	11.3 13.6	11.2 13.3
042 043	156	128	15 51.5	250 316	242.5 308	19 16	40	6 5	M6	21.5 18	35	70	10	M12	38	13.2 15.5	13.1 15.2
052 053	190	157	20 68	307.5 380	286.5 373	28 19	60 40	8 6	M10 M6	31 21.5	40	80	12	M16	43	37.5 42.0	37.8 42.3

¹⁾ IEC 63/71, ²⁾ IEC 80

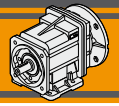
* Version U / U Version

CMG CMGIS	Version H / H Version									Mögliche Kombinationen H/F Possible assembling H/F							
	P	Q	R	S	U	V	X	Z	Fuß / Foot		F105	F120	F140	F160	F200	F250	F300
									Typ Type	Gewicht/ Weight [kg]							
002	18	60	80	9	100	10	60	120	H60	0.2	•	•	•				
	18	80	104	9	110 - 120	10	75	145	H75	0.3	•	•	•				
	18	50 - 87	110	9	110	10	85	135	H85	0.4	•	•	•				
012 013	20	85	108	9	115	12	65	139	H65	0.7		•	•				
	18	80	118	9	110	12	75	140	H75	1.0		•	•	•			
	25	85	120	9	120	12	80	140	H80	1.1		•	•	•			
	18	50 - 87	118	9	110	12	85	130	H85	1.2		•	•	•			
	25	130	154	9	110	12	90	135	H90	1.5		•	•	•	•		
022 023	18	50 - 107.5	135	11	130	12	100	155	H100	1.7		•	•	•	•		
	20	85	108	9	115	12	65	139	H65	0.7		•	•				
	18	80	118	9	110	12	75	140	H75	1.0		•	•	•			
	25	85	120	9	120	12	80	140	H80	1.1		•	•	•			
	18	50 - 87	118	9	110	12	85	130	H85	1.2		•	•	•			
032 033	25	130	154	9	110	12	90	135	H90	1.5		•	•	•	•		
	18	50 - 107.5	135	11	130	12	100	155	H100	1.7		•	•	•	•		
	30	105	136	14	160	14	95	194	H95	1.5				•	•		
	30	100	150	11	150	14	110	185	H110	1.9				•	•		
	18	70	160		160									•	•		
042 043	30	165	195	14	135	14	115	170	H115	2.2				•	•	•	
	35	110	160	14	170	14	120	210	H120	2.6				•	•	•	
	30	105	136	14	160	14	95	194	H95	1.5				•	•		
	30	100	150	11	150	14	110	185	H110	1.9				•	•		
052 053	18	70	160		160									•	•		
	30	165	195	14	135	14	115	170	H115	2.2				•	•	•	
	35	110	160	14	170	14	120	210	H120	2.6				•	•	•	
	35	145	199	18	200	22	120	239	H120	3.5						•	
052 053	35	205	244	18	170	22	140	219	H140	4.3						•	•
	25	110 156	199	18	225	22	155	264	H155	5.1						•	•

Bevorzugt / Preferred

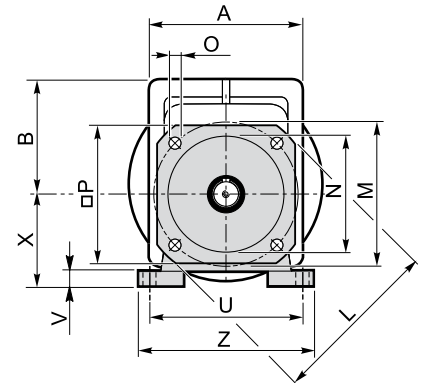
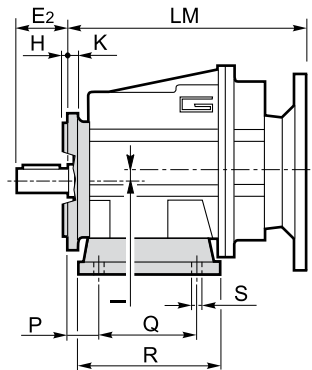
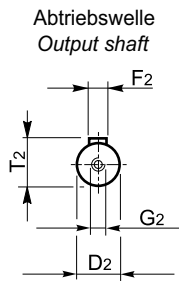
• Mögliche Kombinationen H/F / Possible assembling H/F

CMG CMGIS	Version F / F Version								Flansch / Flange	
	H	K	L	M	N f7	O	P	Gewicht / Weight [kg]		
								Typ / Type		
002	3.5	7	105	85	70	6.5	90	F105	0.1	
	3.5	8	120	100	80	7	100	F120	0.2	
	3.5	8	140	115	95	9	115	F140	0.2	
012 013	3	9	120	100	80	9	106	F120	0.5	
	3.5	9	140	115	95	9	115	F140	0.8	
	3.5	9	160	130	110	9	126	F160	1.1	
022 023	3.5	11	200	165	130	11	165	F200	1.8	
	3	9	120	100	80	9	106	F120	0.5	
	3.5	9	140	115	95	9	115	F140	0.8	
	3.5	9	160	130	110	9	126	F160	1.1	
032 033	3.5	11	200	165	130	11	165	F200	1.8	
	3.5	11	200	165	130	11	165	F200	1.8	
	4	13	250	215	150	14	215	F250	2.9	
	3.5	11	160	130	110	9	140	F160	1.0	
042 043	3.5	11	200	165	130	11	165	F200	1.8	
	3.5	11	200	165	130	11	165	F200	1.8	
	4	13	250	215	150	14	215	F250	2.9	
052 053	4	13	250	215	150	14	215	F250	2.9	
	4	13	300	265	230	14	265	F300	4.4	

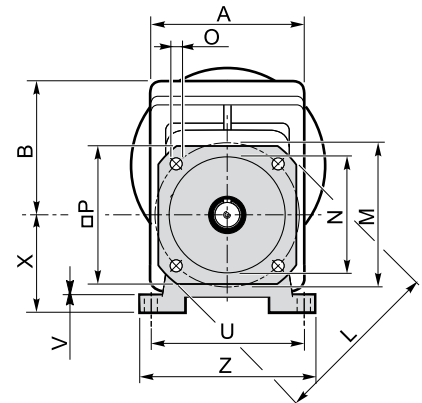
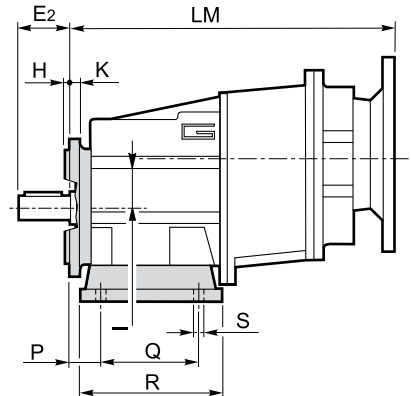
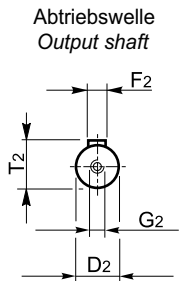


CMG..H../F..

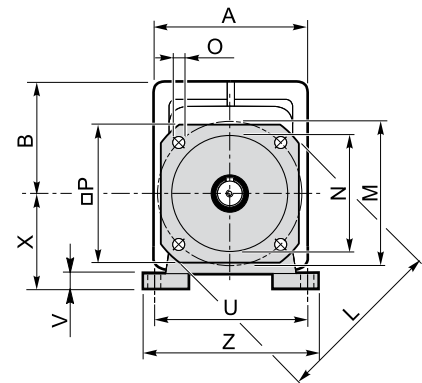
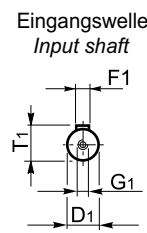
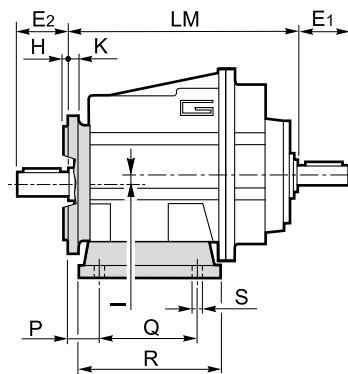
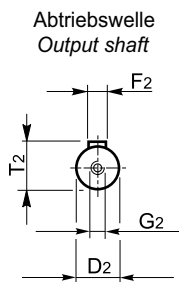
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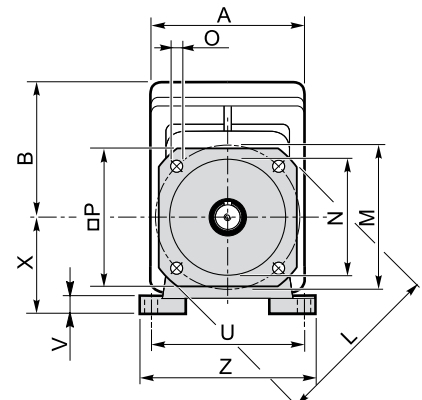
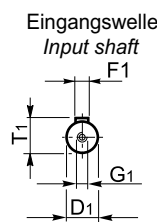
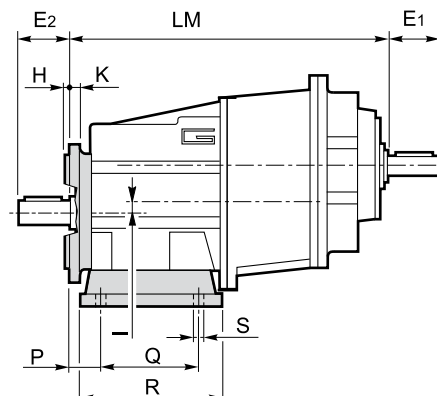
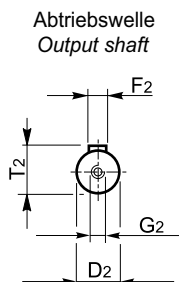
CMG..3 H../F..



CMGIS..2 H../F..



CMGIS..3 H../F..



CMG