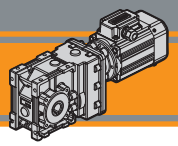
TRANSTECNO®
the modular gearmotor

CMB

CMB Alù

CMB

Motoriduttori ad assi ortogonali
Helical bevel gearmotors



ENERGY SAVING

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Caratteristiche tecniche

Technical features

I motoriduttori ad assi ortogonali della serie CMB sono caratterizzati da un elevato grado di modularità: sono stati realizzati con una carcassa completamente intercambiabile con quella dei riduttori a vite senza fine della serie CM.
Sono pertanto configurabili secondo le esigenze dell'applicazione con flangia di uscita, albero di uscita, braccio di reazione.

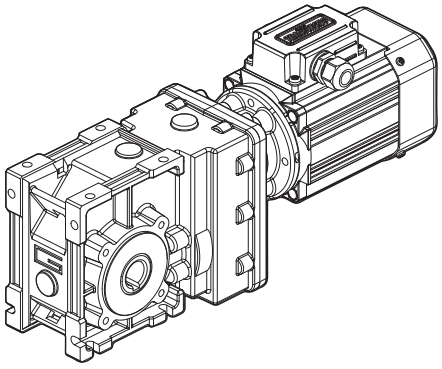
The high degree of modularity of CMB helical bevel gearmotors allows it to be completely interchangeable with CM wormgear-boxes.

It is possible to set up the version required using output flanges, output shafts and optional torque arms.

Caratteristiche comuni a tutta la serie:
- Carcassa in alluminio.
- Ingranaggi cilindrici a denti elicoidali, induriti e rettificati.
- Lubrificazione permanente con olio sintetico.
- Disponibili con giunto elastico in ingresso

Common features of all CMB range are:
- *Die-cast aluminium housing.*
- *Ground-hardened helical gears.*
- *Permanent synthetic oil long-life lubrication.*
- *Input flexible coupling available*

ENERGY SAVING



Designazione

Classification

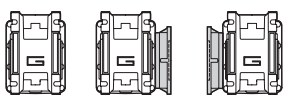
RIDUTTORE / *GEARBOX*

CMB	63	3	U	9.81	D25	90	B5	SZDX	BRSX	90	FX
Tipo *Type*	Grandezza *Size*	Stadi *Stages*	Versione *Version*	Rapporto *Ratio*	Albero cavo uscita *Hollow output shaft*	IEC	Forma costruttiva *Version*	Albero di uscita *Output shaft*	Braccio di reazione *Torque arm*	Angolo *Angle*	Giunto elastico *Flexible coupling*
CMB	40 50 63 90	2 3	U FD FS FBD FBS FLD FLS	vedi tabelle *see tables*	vedi tabelle *see tables*	56.. — 90..	B5 B14	SZDX SZSX DZ	BRDX BRSX (*)	0° 90° 180° 270°	FX

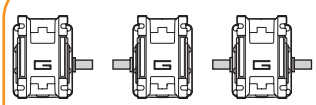
RIDUTTORE / *GEARBOX*

CMBIS	63	3	U	9.81	D25	SZDX	BRSX	90
Tipo *Type*	Grandezza *Size*	Stadi *Stages*	Versione *Version*	Rapporto *Ratio*	Albero cavo uscita *Hollow output shaft*	Albero di uscita *Output shaft*	Braccio di reazione *Torque arm*	Angolo *Angle*
CMBIS	40 50 63 90	2 3	U FD FS FBD FBS FLD FLS	vedi tabelle *see tables*	vedi tabelle *see tables*	SZDX SZSX DZ	BRDX BRSX (*)	0° 90° 180° 270°

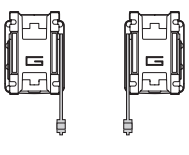
Versione Riduttore *Gearbox Version*



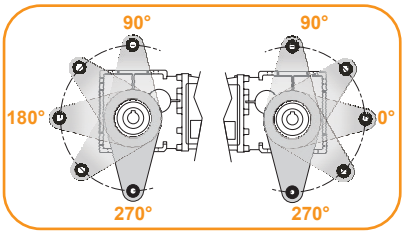
Albero di uscita *Output shaft*



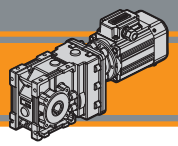
Braccio di reazione *Torque arm* (*)



Angolo *Angle*



(*) NOTA: il braccio di reazione viene fornito smontato.
NOTE: the torque arm will be supplied not assembled.



Designazione — *Classification*

MOTORE TRIFASE / *THREE PHASE MOTOR*

SMT	63	2	4	0.18 kW	IE2	B14	230-400 V	50 Hz	TEFC	BR	T1
Tipo *Type*	Grandezza *Size*	Indicativo potenza *Power coefficient*	Poli *Poles*	Potenza *Power*	Efficienza *Efficiency level*	Forma costruttiva *Version*	Tensione *Voltage*	Frequenza *Frequency*	*Ventilazione Fan cooling*	*Opzioni Options*	Pos. Morsettiera *Terminal box pos.*
SMT	N1 pag.	1-2-3-4-5	4	0.04 kW ... 2.2 kW	IE1-IE2-IE3 N4 pag.	B14	230-400 V 460V	50Hz 60Hz	TEFC TENV	Q1-P1 Q1-S1 pag.	T1 (Std) T2 T3 T4

MOTORE MONOFASE / *SINGLE PHASE MOTOR*

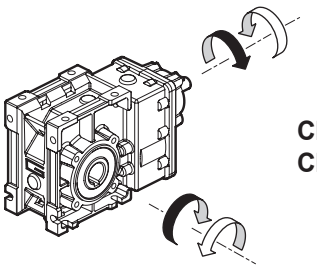
SMM	63	2	4	0.18 kW	B14	230 V	50 Hz	TEFC	UL-CSA	T1
Tipo *Type*	Grandezza *Size*	Indicativo potenza *Power coefficient*	Poli *Poles*	Potenza *Power*	Forma costruttiva *Version*	Tensione *Voltage*	Frequenza *Frequency*	*Ventilazione Fan cooling*	*Opzioni Options*	Pos. Morsettiera *Terminal box pos.*
SMM	N1 pag.	1-2-3-4	4	0.04 kW ... 0.75 kW	B14	230V	50Hz	TEFC TENV	Q1 pag.	T1 (Std) T2 T3 T4

MOTORE TRIFASE / *THREE PHASE MOTOR*

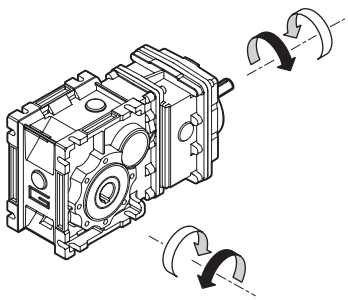
T	2A	63	2	4	0.18 kW	B5	PTO	230-400 V	50 Hz	T1
Tipo *Type*	Efficienza *Efficiency level*	Grandezza *Size*	Indicativo potenza *Power coefficient*	Poli *Poles*	Potenza *Power*	Forma costruttiva *Version*	Protezione termica *Thermal protector*	Tensione *Voltage*	Frequenza *Frequency*	Pos. Morsettiera *Terminal box pos.*
T	S (IE1) 2A (IE2) 3A (IE3)	T1 pag.	1-2-3-S L1-L2 M1-M2	2 4 6	0.09 kW ... 2.2 kW	B5 B14 B3	Null PTO	230-400 V 275-480 V 400-690 V	50Hz 60Hz 50Hz	T1 (Std) T2 T3 T4

Sensi di rotazione — *Direction of rotation*

CMB...2
CMBIS..2



CMB...3
CMBIS..3



Simbologia — *Symbols*

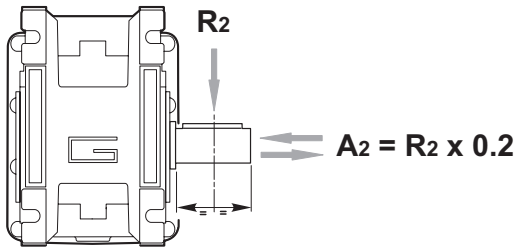
n_1	[min^{-1}]	Velocità in ingresso / *Input speed*
n_2	[min^{-1}]	Velocità in uscita / *Output speed*
i		Rapporto di riduzione / *Ratio*
P_1	[kW]	Potenza in entrata / *Input power*
M_2	[Nm]	Coppia nominale in uscita in funzione di P_1 / *Output torque referred to P_1*
Pn_1	[kW]	Potenza nominale in entrata / *Nominal input power*
Mn_2	[Nm]	Coppia nominale in uscita in funzione di Pn_1 / *Nominal output torque referred to Pn_1*
sf		Fattore di servizio / *Service factor*
R_2	[N]	Carico radiale ammissibile in uscita / *Permitted output radial load*
A_2	[N]	Carico assiale ammissibile in uscita / *Permitted output axial load*
Kg	[kg]	Peso del solo riduttore / *Weight of the gearbox only*

Lubrificazione — *Lubrication*

Tutti i motoriduttori CMB sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di montaggio e non necessitano di manutenzione.

Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use CMB gearmotors in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance.

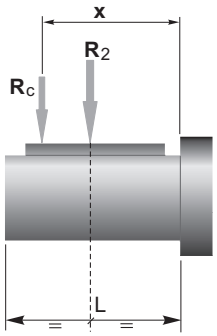
Carichi radiali — *Radial loads*



n_2 [min^{-1}]	R_2 [N]			
	CMB 402	CMB 502	CMB 633	CMB 903
400	905	1116	1835	2682
300	996	1228	2020	2952
200	1141	1406	2312	3379
170	1204	1484	2441	3567
140	1414	1743	2604	3806
100	1582	1949	2913	4686
90	1638	2019	3321	4853
60	2047	2490	3801	5556
40	2524	3029	4492	6614
30	2778	3334	5159	7540
20	3180	3816	5906	8631
15	3500	4200	6500	9500
10	3500	4200	6500	9500

Quando il carico radiale risultante non è applicato sulla mezzeria dell'albero occorre calcolare quello effettivo con la seguente formula

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:



	CMB 402	CMB 502	CMB 633	CMB 903
a	86	104	118	157
b	66	79	93	117
R_{2MAX}	3500	4200	6500	9500

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

$$R \leq R_c$$

a, b = valori riportati nella tabella
a, b = values given in the table

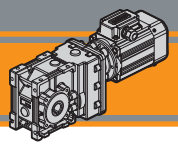
Motori applicabili — *Motors adapters*

CMB	SMT						SMM				
	5014 5024 5034 5044	5624 5634 5444 5654	6324 6334 6344	7124 7134 7144	8024 8034	9024 9034	5014 5024 5034	5624 5634 5444	6324 6334	7124 7134	8024
402											
502											
633											
903											

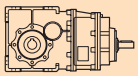
CMB	TS						T2A			T3A			
	5624	6314 6324 6334	7114 7124 7134 7144	8024 8034	90S4 90L14 90L24	100L14	6324 6334	7124 7134	8014	8024 8034	90S4 90L14 90LB4	100L14 100L24 100L34	112M4
402													
502													
633													
903													

N.B. Le aree evidenziate in grigio indicano l'applicabilità della corrispondente grandezza motore.

N.B. *Grey areas indicate motor inputs available on each size of unit.*



Dati tecnici — n_1 1400 min^{-1} — ***Technical data***



n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC Motori applicabili / *IEC Motor adapters*			
CMBIS 402				**56 B5/B14**	**63 B5/B14**	**71 B5/B14**	**80 B5/B14**
227	40	1.0	6.18				*
187	40	0.83	7.49				*
152	40	0.68	9.2				*
118	45	0.59	11.83				*
112	45	0.56	12.48				*
94.4	45	0.47	14.83				*
79.4	45	0.40	17.63				*
75.3	55	0.46	18.6				*
62.7	55	0.38	22.33				*
58.6	55	0.36	23.91				*
48.5	65	0.35	28.89				*
45.4	65	0.33	30.84				*
41.7	65	0.30	33.57				*
39.3	65	0.28	35.63				*
32.7	65	0.24	42.75				*
25.3	65	0.18	55.31			*	*
23.7	65	0.17	59.06			*	*
21.8	65	0.16	64.29			*	*
19.3	65	0.14	72.50			*	*
CMBIS 502				**56 B5/B14**	**63 B5/B14**	**71 B5/B14**	**80 B5/B14**
227	70	1.8	6.18				
187	70	1.5	7.49				
152	70	1.2	9.20				
118	90	1.2	11.83				
112	90	1.1	12.48				
94.4	90	0.95	14.83				
79.4	90	0.80	17.63				
75.3	110	0.92	18.60				
62.7	110	0.77	22.33				
58.6	110	0.72	23.91				
48.5	125	0.67	28.89				
45.4	125	0.63	30.84				
41.7	125	0.58	33.57				
39.3	125	0.55	35.63				
32.7	125	0.46	42.75				*
25.3	125	0.35	55.31				*
23.7	125	0.33	59.06				*
21.8	125	0.30	64.29				*
19.3	125	0.27	72.50				*

N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.

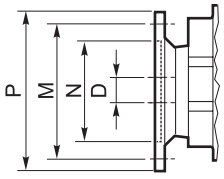
***** = Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. C8 alla pag. C12.

N.B.
Highlighted areas indicate motor inputs available on each size of unit.

***** = *The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.*

Before selecting any gearbox, please read the performance values shown in the tables on page C8 to C12.



Dimensioni IEC / *IEC Dimensions*								
	56 B5	**56 B14**	**63 B5**	**63 B14**	**71 B5**	**71 B14**	**80 B5**	**80 B14**
N	80	50	95	60	110	70	130	80
M	100	65	115	75	130	85	165	100
P	120	80	140	90	160	105	200	120
D	9		11		14		19	

Dati tecnici — n_1 1400 min^{-1} — *Technical data*

n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC Motori applicabili / *IEC Motor adapters* 56 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14	90 B5/B14
CMBIS 633								
213	150	3.6	6.58					
175	150	2.9	7.99					
143	150	2.4	9.81					
134	150	2.2	10.44					
112	150	1.9	12.53					
105	150	1.8	13.31					
88.6	170	1.7	15.81					
78.8	220	1.9	17.77					
64.9	220	1.6	21.56					
52.9	220	1.3	26.48					
49.7	220	1.2	28.17					
41.4	220	1.0	33.81					
39.0	220	0.96	35.92					
36.0	250	1.00	38.88					
29.7	250	0.83	47.16					*
24.2	250	0.67	57.93					*
22.7	250	0.63	61.63					*
18.9	250	0.53	73.96					*
17.8	250	0.50	78.58					*
15.0	250	0.42	93.33				*	*
10.0	250	0.28	140.52				*	*
7.7	250	0.21	181.81				*	*
6.6	250	0.18	211.31			*	*	*
5.9	250	0.16	238.31			*	*	*

N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.

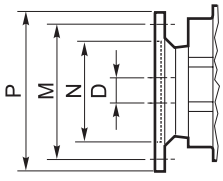
N.B.
Highlighted areas indicate motor inputs available on each size of unit.

*** =** Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

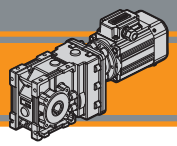
Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. C8 alla pag. C12.

**** =*** *The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.*

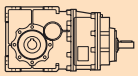
Before selecting any gearbox, please read the performance values shown in the tables on page C8 to C12.



Dimensioni IEC / *IEC Dimensions*	56 B5	56 B14	63 B5	63 B14	71 B5	71 B14	80 B5	80 B14	90 B5	90 B14
N	80	50	95	60	110	70	130	80	130	95
M	100	65	115	75	130	85	165	100	165	115
P	120	80	140	90	160	105	200	120	200	140
D	9		11		14		19		24	



Dati tecnici — n_1 1400 min^{-1} — *Technical data*

	n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC Motori applicabili *IEC Motor adapters*			
CMBIS 903					**71 B5**	**80 B5/B14**	**90 B5/B14**	**100112 B5/B14**
	211	280	6.57	6.65	**B**			
	175	280	5.46	8.00	**B**			
	144	280	4.48	9.74	**B**			
	125	280	3.90	11.21	**B**			
	99.3	300	3.32	14.09	**B**			
	78.0	450	3.91	17.95	**B**			
	64.8	450	3.25	21.60	**B**			
	53.2	450	2.67	26.30	**B**			
	46.3	450	2.32	30.25	**B**			
	35.7	500	1.99	39.26	**B**			
	29.6	500	1.65	47.25	**B**			*
	24.3	500	1.36	57.52	**B**			*
	21.2	500	1.18	66.17	**B**			*
	16.8	500	0.94	83.20	**B**			*
	13.0	500	0.72	108.09	**B**		*	*
	10.6	500	0.59	132.23	**B**		*	*
	9.5	500	0.53	147.92	**B**		*	*
	8.4	500	0.47	167.09	**B**		*	*
	7.3	500	0.41	191.06	**B**	*	*	*
	6.3	500	0.35	221.88	**B**	*	*	*
	5.3	500	0.30	262.96	**B**	*	*	*

N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.
B = Boccola di riduzione in acciaio.

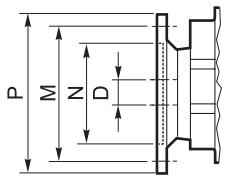
*** =** Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. C8 alla pag. C12.

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

*** =** *The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.*

Before selecting any gearbox, please read the performance values shown in the tables on page C8 to C12.



Dimensioni IEC / *IEC Dimensions*							
	71 B5	**80 B5**	**80 B14**	**90 B5**	**90 B14**	**100/112 B5**	**100/112 B14**
N	110	130	80	130	95	180	110
M	130	165	100	165	115	215	130
P	160	200	120	200	140	250	160
D	14	19		24		28	

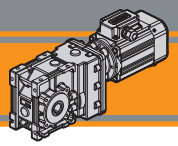
Dati tecnici — *Technical data*

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
0.04					
SMT5014	**227**	2	25.25	6.18	**CMB402**
SMM5014	**187**	2	20.81	7.49	
(1400 min^{-1})	**152**	2	16.94	9.20	
	118	3	14.83	11.83	
SMT SMM	**112**	3	14.05	12.48	
	94	4	11.83	14.83	
	79	5	9.95	17.63	
	75	5	11.53	18.60	
	63	6	9.61	22.33	
	59	6	8.97	23.91	
	48	7	8.77	28.89	
	45	8	8.22	30.84	
	42	9	7.55	33.57	
	39	9	7.11	35.63	
	33	11	5.93	42.75	
	25	14	4.58	55.31	
	24	15	4.29	59.06	
	22	16	3.94	64.29	
	19	19	3.50	72.50	
	24	15	8.25	59.06	**CMB502**
	22	16	7.58	64.29	
	19	19	6.72	72.50	
	17.8	20	12.40	78.58	**CMB633**
	15.0	24	10.44	93.33	
	10.0	36	6.94	140.52	
	7.7	47	5.36	181.81	
	6.6	54	4.61	211.31	
	5.9	61	4.09	238.31	
0.06					
SMT5024	**227**	2	16.8	6.18	**CMB402**
SMM5024	**187**	3	13.9	7.49	
(1400 min^{-1})	**152**	4	11.3	9.20	
	118	5	9.9	11.83	
SMT SMM	**112**	5	9.4	12.48	
	94	6	7.9	14.83	
	79	7	6.6	17.63	
	75	7	7.7	18.60	
	63	9	6.4	22.33	
	59	9	6.0	23.91	
	48	11	5.8	28.89	
	45	12	5.5	30.84	
	42	13	5.0	33.57	
	39	14	4.7	35.63	
	33	16	4.0	42.75	
	25	21	3.1	55.31	
	24	23	2.9	59.06	
	22	25	2.6	64.29	
	19	28	2.3	72.50	

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
0.06					
SMT5024	**24**	23	5.5	59.06	**CMB502**
SMM5024	**22**	25	5.1	64.29	
(1400 min^{-1})	**19**	28	4.5	72.50	
SMT SMM	**19**	43	5.9	73.96	**CMB633**
	18	45	5.5	78.58	
	15	54	4.6	93.33	
	10	81	3.1	140.52	
	7.7	105	2.4	181.81	
	6.6	122	2.1	211.31	
	5.9	138	1.8	238.31	
0.09					
SMT5034	**227**	4	11	6.18	**CMB402**
SMM5034	**187**	4	9.3	7.49	
SMT5624	**152**	5	7.5	9.20	
SMM5624	**118**	7	6.6	11.83	
(1400 min^{-1})	**112**	7	6.3	12.48	
SMT SMM	**94**	9	5.3	14.83	
	79	10	4.4	17.63	
	75	11	5.1	18.60	
TS5624	**63**	13	4.3	22.33	
(1400 min^{-1})	**59**	14	4.0	23.91	
	48	17	3.9	28.89	
	45	18	3.7	30.84	
	42	19	3.4	33.57	
	39	21	3.2	35.63	
	33	25	2.6	42.75	
	25	32	2.0	55.31	
	24	34	1.9	59.06	
	22	37	1.8	64.29	
	19	42	1.6	72.50	
	33	25	5.1	42.75	**CMB502**
	25	32	3.9	55.31	
	24	34	3.7	59.06	
	22	37	3.4	64.29	
	19	42	3.0	72.50	
	19	43	5.9	73.96	**CMB633**
	18	45	5.5	78.58	
	15	54	4.6	93.33	
	10	81	3.1	140.52	
	7.7	105	2.4	181.81	
	6.6	122	2.1	211.31	
	5.9	138	1.8	238.31	

IEC

Motori *Motors*	SMT		SMM		TS
	5014 5024 5034	5624	5014 5024 5034	5624	5624
IEC	56 B14	56 B14	56 B14	56 B14	56 B5/B14



Dati tecnici / *Technical data*

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
0.12					
SMT5044	**227**	5	8.4	6.18	**CMB402**
SMT5634	**187**	6	6.9	7.49	
SMT5634IE2	**152**	7	5.6	9.20	
SMM5634	**118**	9	4.9	11.83	
(1400 min^{-1})	**112**	10	4.7	12.48	
SMT SMM	**94**	11	3.9	14.83	
	79	14	3.3	17.63	
	75	14	3.8	18.60	
TS6314	**63**	17	3.2	22.33	
(1400 min^{-1})	**59**	18	3.0	23.91	
	48	22	2.9	28.89	
	45	24	2.7	30.84	
	42	26	2.5	33.57	
	39	27	2.4	35.63	
	33	33	2.0	42.75	
	25	43	1.5	55.31	
	24	45	1.4	59.06	
	22	49	1.3	64.29	
	19	56	1.2	72.50	
	33	33	3.8	42.75	**CMB502**
	25	43	2.9	55.31	
	24	45	2.8	59.06	
	22	49	2.5	64.29	
	19	56	2.2	72.50	
	19	57	4.4	73.96	**CMB633**
	18	60	4.1	78.58	
	15	72	3.5	93.33	
	10	108	2.3	140.52	
	7.7	140	1.8	181.81	
	6.6	163	1.5	211.31	
	5.9	183	1.4	238.31	
0.18					
SMT5644	**227**	7	5.6	6.18	**CMB402**
SMT6324	**187**	9	4.6	7.49	
SMT6324IE2	**152**	11	3.8	9.20	
SMM5644	**118**	14	3.3	11.83	
SMM6324	**112**	14	3.1	12.48	
(1400 min^{-1})	**94**	17	2.6	14.83	
SMT SMM	**79**	20	2.2	17.63	
	75	21	2.6	18.60	
	63	26	2.1	22.33	
TS6324	**59**	28	2.0	23.91	
T2A6324	**48**	33	1.9	28.89	
(1400 min^{-1})	**45**	36	1.8	30.84	
	42	39	1.7	33.57	
	39	41	1.6	35.63	
	33	49	1.3	42.75	
	25	64	1.0	55.31	
	24	68	0.95	59.06	
	22	74	0.88	64.29	
	19	84	0.8	72.50	

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
0.18					
SMT5644	**45**	36	3.5	30.84	**CMB502**
SMT6324	**42**	39	3.2	33.57	
SMT6324IE2	**39**	41	3.0	35.63	
SMM5644	**33**	49	2.5	42.75	
SMM6324	**25**	64	2.0	55.31	
(1400 min^{-1})	**24**	68	1.8	59.06	
	22	74	1.7	64.29	
SMT SMM	**19**	84	1.5	72.50	
TS6324	**24**	67	3.7	57.93	**CMB633**
T2A6324	**23**	71	3.5	61.63	
(1400 min^{-1})	**19**	85	2.9	73.96	
	18	91	2.8	78.58	
	15	108	2.3	93.33	
	10	162	1.5	140.52	
	7.7	210	1.2	181.81	
	6.6	244	1.0	211.31	
	5.9	275	0.9	238.31	
0.25					
SMT5654	**227**	10	4.0	6.18	**CMB402**
SMT6334	**187**	12	3.3	7.49	
SMT6334IE2	**152**	15	2.7	9.20	
SMM6334	**118**	19	2.4	11.83	
(1400 min^{-1})	**112**	20	2.2	12.48	
	94	24	1.9	14.83	
SMT SMM	**79**	28	1.6	17.63	
	75	30	1.8	18.60	
TS6334	**63**	36	1.5	22.33	
TS7114	**59**	38	1.4	23.91	
T2A6334	**48**	46	1.4	28.89	
(1400 min^{-1})	**45**	49	1.3	30.84	
	42	54	1.2	33.57	
	39	57	1.1	35.63	
	33	69	0.9	42.75	
	227	10	7.1	6.18	**CMB502**
	187	12	5.8	7.49	
	152	15	4.7	9.20	
	118	19	4.7	11.83	
	112	20	4.5	12.48	
	94	24	3.8	14.83	
	79	28	3.2	17.63	
	75	30	3.7	18.60	
	63	36	3.1	22.33	
	59	38	2.9	23.91	
	48	46	2.7	28.89	
	45	49	2.5	30.84	
	42	54	2.3	33.57	
	39	57	2.2	35.63	
	33	69	1.8	42.75	
	25	89	1.4	55.31	
	24	95	1.3	59.06	
	22	103	1.2	64.29	
	19	116	1.1	72.50	

IEC

Motori *Motors*	SMT			SMM		TS		T2A
	5044	5634 5634IE2 5644 5654	6324 6324IE2 6334 6334IE2	5634 5644	6334	6314 6324 6334	7114	6324 6334
IEC	56 B14	56 B14	63 B14	56 B14	63 B14	63 B5/B14	71 B5/B14	63 B5/B14

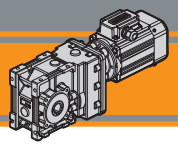
Dati tecnici

Technical data

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
0.25					
SMT5654 SMT6334 SMT6334IE2 SMM6334 (1400 min^{-1}) SMT SMM	**41** **39** **36** **30** **24** **23** **19** **18**	54 58 62 76 93 99 119 126	4.1 3.8 4.0 3.3 2.7 2.5 2.1 2.0	33.81 35.92 38.88 47.16 57.93 61.63 73.96 78.58	**CMB633**
TS6334 TS7114 T2A6334 (1400 min^{-1})	**15** **10** **7.7**	150 225 291	1.7 1.1 0.9	93.33 140.52 181.81	
TS7114 B5 Solo / *Only* (1400 min^{-1})	**24** **21** **17** **13** **11** **9.5** **8.4** **7.3** **6.3** **5.3**	92 106 133 173 212 237 268 306 356 422	5.4 4.7 3.7 2.9 2.4 2.1 1.9 1.6 1.4 1.2	57.52 66.17 83.20 108.09 132.23 147.92 167.09 191.06 221.88 262.96	**CMB903**
0.37					
SMT6344 SMT7124 SMT7124IE2 SMM7124 (1400 min^{-1}) SMT SMM	**227** **187** **152** **118** **112** **94** **79** **75**	15 18 22 28 30 35 42 44	2.7 2.3 1.8 1.6 1.5 1.3 1.1 1.2	6.18 7.49 9.20 11.83 12.48 14.83 17.63 18.60	**CMB402**
TS7124 T2A7124 (1400 min^{-1})	**63** **59** **48** **45** **42**	53 57 69 73 80	1.0 1.0 0.9 0.9 0.8	22.33 23.91 28.89 30.84 33.57	
	227 **187** **152** **118** **112** **94** **79** **75** **63** **59** **48** **45** **42** **39** **33** **25** **24**	15 18 22 28 30 35 42 44 53 57 69 73 80 85 101 131 140	4.8 3.9 3.2 3.2 3.0 2.6 2.2 2.5 2.1 1.9 1.8 1.7 1.6 1.5 1.2 1.0 0.9	6.18 7.49 9.20 11.83 12.48 14.83 17.63 18.60 22.33 23.91 28.89 30.84 33.57 35.63 42.75 55.31 59.06	**CMB502**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
0.37					
SMT6344 SMT7124 SMT7124IE2 SMM7124 (1400 min^{-1}) SMT SMM	**65** **53** **50** **41** **39** **36** **30** **24**	51 63 67 80 85 92 112 137	4.3 3.5 3.3 2.7 2.6 2.7 2.2 1.8	21.56 26.48 28.17 33.81 35.92 38.88 47.16 57.93	**CMB633**
TS7124 T2A7124 (1400 min^{-1})	**23** **19** **18** **15**	146 175 186 221	1.7 1.4 1.3 1.1	61.63 73.96 78.58 93.33	
TS7124 T2A7124 B5 Solo / *Only* (1400 min^{-1})	**30** **24** **21** **17** **13** **11** **9.5** **8.4** **7.3** **6.3** **5.3**	112 136 157 197 256 314 351 396 453 526 624	4.5 3.7 3.2 2.5 1.9 1.6 1.4 1.3 1.1 0.9 0.8	47.25 57.52 66.17 83.20 108.09 132.23 147.92 167.09 191.06 221.88 262.96	**CMB903**
0.55					
SMT7134 SMT7134IE2 SMM7134 (1400 min^{-1}) SMT SMM	**227** **187** **152** **118** **112** **94**	22 26 32 42 44 52	1.8 1.5 1.2 1.1 1.0 0.9	6.18 7.49 9.20 11.83 12.48 14.83	**CMB402**
TS7134 T2A7134 (1400 min^{-1})					
SMT7134 SMT7134IE2 SMM7134 (1400 min^{-1}) SMT SMM	**227** **187** **152** **118** **112** **94** **79** **75**	22 26 32 42 44 52 62 66	3.2 2.6 2.2 2.2 2.0 1.7 1.4 1.7	6.18 7.49 9.20 11.83 12.48 14.83 17.63 18.60	**CMB502**
TS7134 TS8014 T2A7134 T2A8014 (1400 min^{-1})	**63** **59** **48** **45** **42** **39**	79 84 102 109 118 126	1.4 1.3 1.2 1.1 1.1 1.0	22.33 23.91 28.89 30.84 33.57 35.63	

Motori *Motors*	SMT			SMM		TS		T2A		
	5654	6334 6334IE2 6344	7124 7124IE2 7134 7134IE2	6334	7124 7134	7114 7124 7134	8014	6334	7124 7134	8014
IEC	56 B14	63 B14	71 B14	63 B14	71 B14	71 B5/B14	80 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14



Dati tecnici — *Technical data*

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
0.55					
SMT7134 SMT7134IE2 SMM7134 (1400 min^{-1}) SMT SMM	**213** **175** **143** **134** **112** **105** **89**	23 28 35 37 44 47 56	6.5 5.3 4.3 4.1 3.4 3.2 3.0	6.58 7.99 9.81 10.44 12.53 13.31 15.81	**CMB633**
TS7134 TS8014 T2A7134 T2A8014 (1400 min^{-1})	**79** **65** **53** **50** **41** **39** **36** **30** **24** **23** **19** **18**	63 76 93 99 119 127 137 166 204 217 261 277	3.5 2.9 2.4 2.2 1.8 1.7 1.8 1.5 1.2 1.2 1.0 0.9	17.77 21.56 26.48 28.17 33.81 35.92 38.88 47.16 57.93 61.63 73.96 78.58	
TS7134 T2A7134 B5 Solo / *Only* TS8014 T2A8014 (1400 min^{-1})	**46** **36** **30** **24** **21** **17** **13** **11** **9.5** **8.4**	107 138 167 203 233 293 381 466 522 589	4.2 3.6 3.0 2.5 2.1 1.7 1.3 1.1 1.0 0.8	30.25 39.26 47.25 57.52 66.17 83.20 108.09 132.23 147.92 167.09	**CMB903**
0.75					
SMT7144 SMT8024 IE3 SMM8024 (1400 min^{-1}) SMT SMM	**227** **187** **152** **118** **112** **94** **79**	30 36 44 57 60 71 85	2.4 1.9 1.6 1.6 1.5 1.3 1.1	6.18 7.49 9.20 11.83 12.48 14.83 17.63	**CMB502**
TS7144 TS8024 T3A8024 (1400 min^{-1})	**75** **63** **59** **48**	89 107 115 139	1.2 1.0 1.0 0.9	18.60 22.33 23.91 28.89	

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
0.75					
SMT7144 SMT8024 IE3 SMM8024 (1400 min^{-1}) SMT SMM	**213** **175** **143** **134** **112** **105** **89**	32 38 47 50 60 64 76	4.7 3.9 3.2 3.0 2.5 2.3 2.2	6.58 7.99 9.81 10.44 12.53 13.31 15.81	**CMB633**
TS7144 TS8024 T3A8024 (1400 min^{-1})	**79** **65** **53** **50** **41** **39** **36** **30** **24** **23**	85 104 127 135 163 173 187 227 279 296	2.6 2.1 1.7 1.6 1.4 1.3 1.3 1.1 0.9 0.8	17.77 21.56 26.48 28.17 33.81 35.92 38.88 47.16 57.93 61.63	
SMT8024 IE3 SMM8024 (1400 min^{-1}) SMT SMM	**65** **53** **46** **36** **30** **24**	104 126 145 189 227 277	4.3 3.6 3.1 2.6 2.2 1.8	21.60 26.30 30.25 39.26 47.25 57.52	**CMB903**
TS7144 B5 Solo / *Only* TS8024 T3A8024 (1400 min^{-1})	**21** **17** **13**	318 400 520	1.6 1.2 1.0	66.17 83.20 108.09	
1.1					
SMT8034 IE3 (1400 min^{-1}) SMT SMM	**213** **175** **143** **134** **112**	46 56 69 74 88	3.2 2.7 2.2 2.0 1.7	6.58 7.99 9.81 10.44 12.53	**CMB633**
TS8034 TS90S4 T3A8034 T3A90S4 (1400 min^{-1})	**105** **89** **79** **65** **53** **50** **41** **39** **36**	94 112 125 152 187 199 238 253 274	1.6 1.5 1.8 1.4 1.2 1.1 0.9 0.9 0.9	13.31 15.81 17.77 21.56 26.48 28.17 33.81 35.92 38.88	

	Motori *Motors*	SMT		SMM		TS			T2A		T3A	
IEC		7134 7134IE2 7144	8024 8034	7134	8024	7134 7144	8024 8034	90S4	7134	8014	8024 8034	90S4
	IEC	71 B14	80 B14	71 B14	80 B14	71 B5/B14	80 B5/B14	90 B5/B14	71 B5/B14	80 B5/B14	80 B5/B14	90 B5/B14

Dati tecnici — *Technical data*

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
1.1					
SMT8034 IE3 (1400 min^{-1}) SMT SMM	**211**	47	6.0	6.65	**CMB903**
	175	56	5.0	8.00	
	144	69	4.1	9.74	
	125	79	3.5	11.21	
	99	99	3.0	14.09	
TS8034	**78**	127	3.6	17.95	
TS90S4	**65**	152	3.0	21.60	
T3A8034	**53**	185	2.4	26.30	
T3A90S4	**46**	213	2.1	30.25	
(1400 min^{-1})	**36**	277	1.8	39.26	
	30	333	1.5	47.25	
	24	406	1.2	57.52	
	21	467	1.1	66.17	
	17	587	0.9	83.20	
1.5					
SMT9024 IE3 (1400 min^{-1}) SMT SMM	**213**	63	2.4	6.58	**CMB633**
	175	77	2.0	7.99	
	143	94	1.6	9.81	
	134	100	1.5	10.44	
	112	120	1.2	12.53	
TS90L14	**105**	128	1.2	13.31	
T3A90L14	**89**	152	1.1	15.81	
(1400 min^{-1})	**79**	171	1.3	17.77	
	65	207	1.1	21.56	
	53	255	0.9	26.48	
	211	64	4.4	6.65	**CMB903**
	175	77	3.6	8.00	
	144	94	3.0	9.74	
	125	108	2.6	11.21	
	99	136	2.2	14.09	
	78	173	2.6	17.95	
	65	208	2.2	21.60	
	53	253	1.8	26.30	
	46	291	1.5	30.25	
	36	378	1.3	39.26	
	30	454	1.1	47.25	
	24	553	0.9	57.52	

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i	
2.2					
SMT9034 IE3 (1400 min^{-1}) SMT SMM	**211**	94	3.0	6.65	**CMB903**
	175	113	2.5	8.00	
	144	137	2.0	9.74	
	125	158	1.8	11.21	
	99	199	1.5	14.09	
TS90L24	**78**	253	1.8	17.95	
TS100L14	**65**	305	1.5	21.60	
T3A90LB4	**53**	371	1.2	26.30	
T3A100L14	**46**	427	1.1	30.25	
(1400 min^{-1})	**36**	554	0.9	39.26	
3					
T3A100L24 B5 Solo / *Only* (1400 min^{-1})	**211**	128	2.2	6.65	**CMB903**
	175	154	1.8	8.00	
	144	187	1.5	9.74	
	125	216	1.3	11.21	
	99	271	1.1	14.09	
	78	345	1.3	17.95	
	65	416	1.1	21.60	
	53	506	0.9	26.30	
4					
T3A100L34 T3A112M4 B5 Solo / *Only* (1400 min^{-1})	**211**	171	1.6	6.65	**CMB903**
	175	205	1.4	8.00	
	144	250	1.1	9.74	
	125	287	1.0	11.21	
	99	361	0.8	14.09	
	78	460	1.0	17.95	

IEC

Motori *Motors*	SMT		SMM		TS			T3A			
	8034	9024 9034	7134	8024	8034	90S4 90L14 90L24	100L14	8034	90L14 90LB4	100L14 100L24 100L34	112M4
IEC	71 B14	80 B14	71 B14	80 B14	80 B5/B14	90 B5/B14	100 B5/B14	80 B5/B14	90 B5/B14	100 B5/B14	112 B5

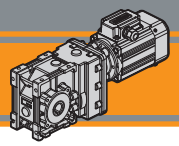
Dati tecnici elettrici — *Electrical technical data*

Si prega di consultare il paragrafo dedicato:

SMT SMM → N4 pag.

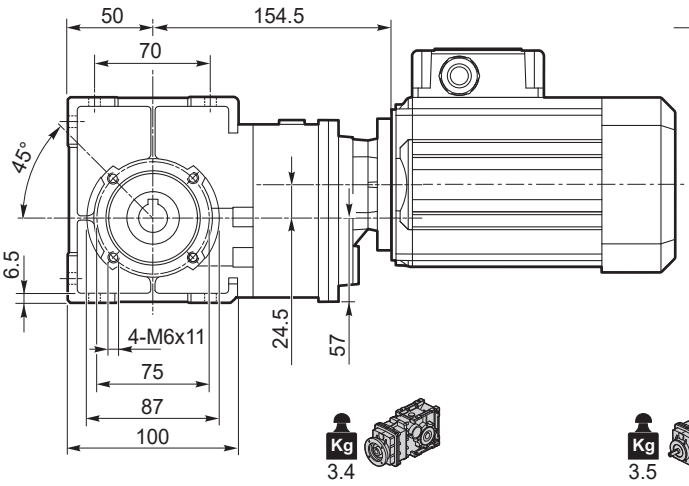
Please see the dedicated paragraph:

TS T2A T3A → T3 pag.



CMB 402.. - CMBIS 402..

CMB 402 U..



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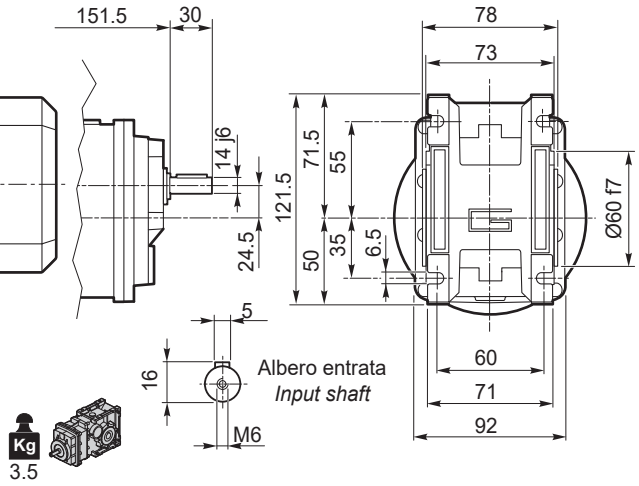
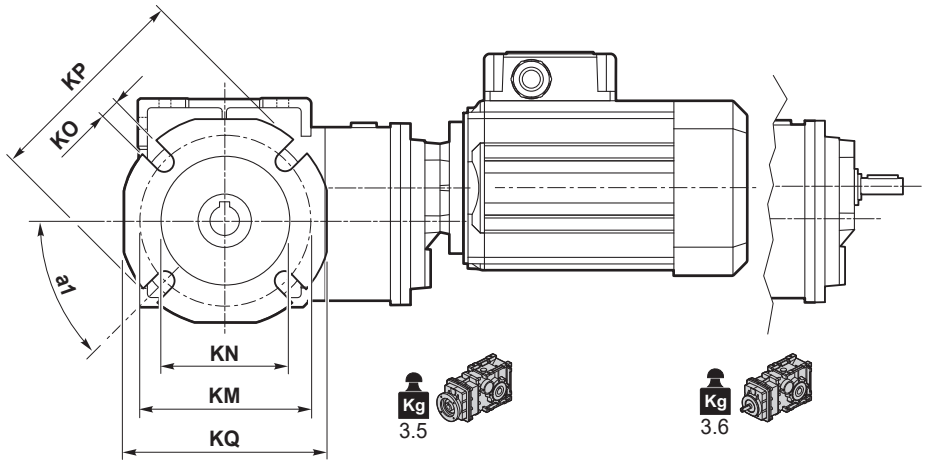
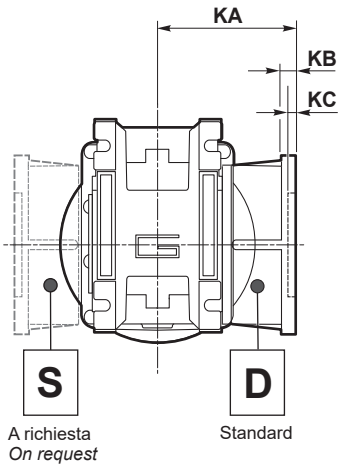


CMB 402 F..



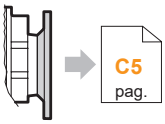
CMBIS 402 F..



Versione **F** / ***F** Version*										
CMB CMBIS	**a_1**	**KA**	**KB**	**KC**	**KM**	**KN** H8	**KO**	**KP**	**KQ**	**Flangia / *Flange*** Tipo / *Type*
402	45°	67	7.5	4.5	80-95	60	9	110	95	**F**
	45°	97	7.5	4.5	80-95	60	9	110	95	**FL**
	45°	80	8.5	5	115-125	95	9.5	140	112	**FB**

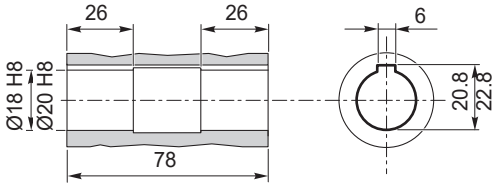
CMB 402.. D18 - CMBIS 402.. D18
CMB 402.. D20 - CMBIS 402.. D20

Flangia entrata
Input flange



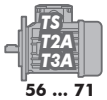
C5
pag.

Albero uscita cavo
Hollow output shaft



50 ... 71

N4
pag.



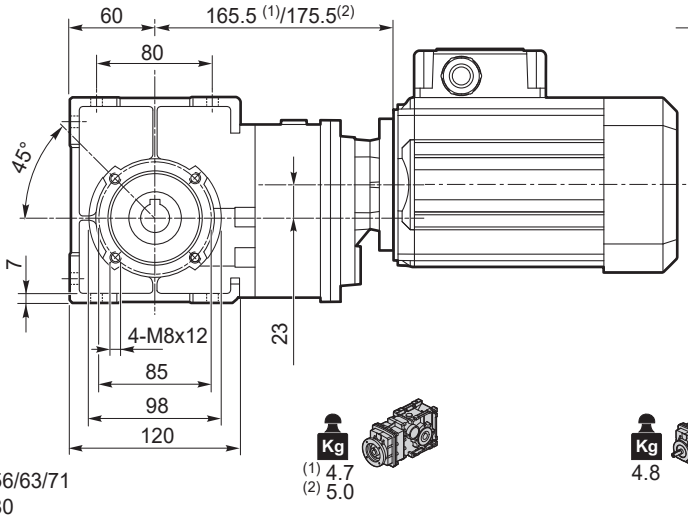
56 ... 71

T4
pag.

Dimensioni *Dimensions*

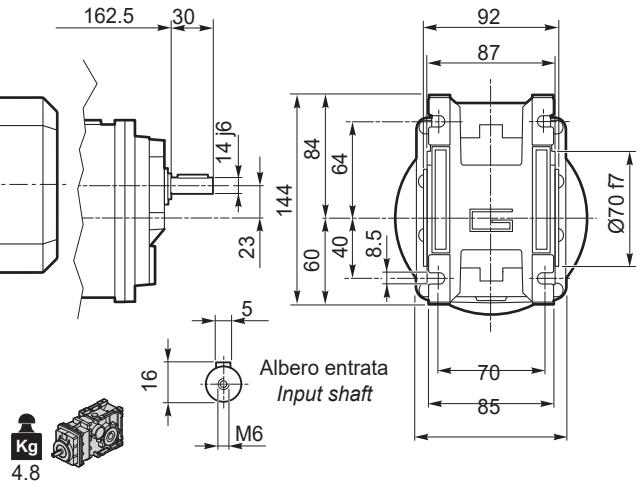
CMB 502.. - CMBIS 502..

CMB 502 U..

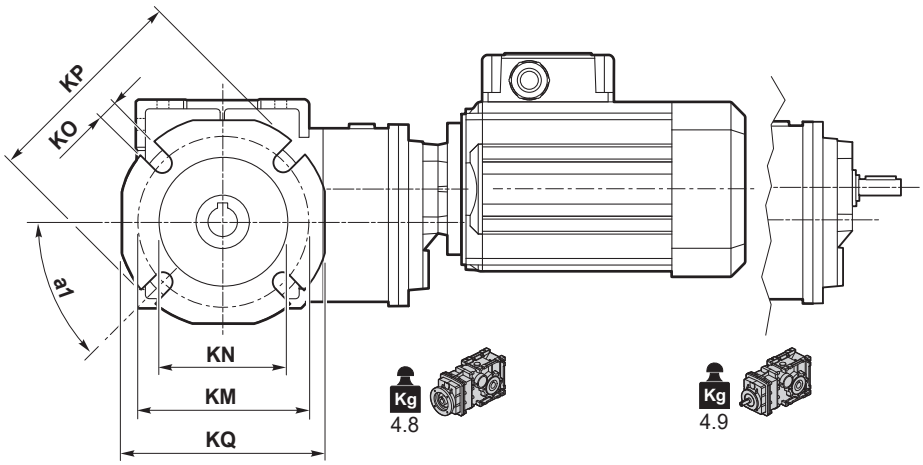


(1)IEC 56/63/71
(2)IEC 80

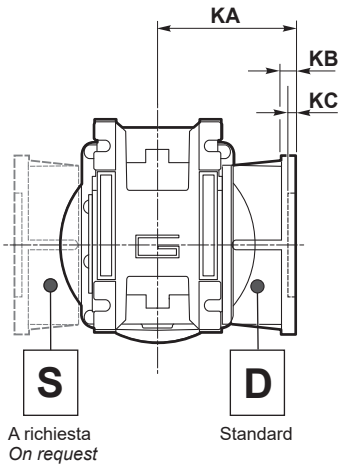
CMBIS 502 U..



CMB 502 F..



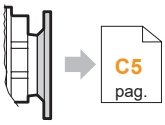
CMBIS 502 F..



Versione **F** / ***F** Version*										
CMB CMBIS	**a_1**	**KA**	**KB**	**KC**	**KM**	**KN** H8	**KO**	**KP**	**KQ**	**Flangia / *Flange*** Tipo / *Type*
502	45°	90	9	5	90-110	70	11	125	110	**F**
	45°	120	9	5	90-110	70	11	125	110	**FL**
	45°	89	9	5	130-145	110	9.5	160	132	**FB**

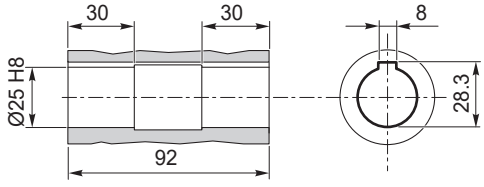
CMB 502.. D25 - CMBIS 502.. D25

Flangia entrata
Input flange

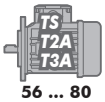


C5 pag.

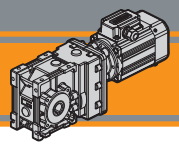
Albero uscita cavo
Hollow output shaft



50 ... 80 → N4 pag.

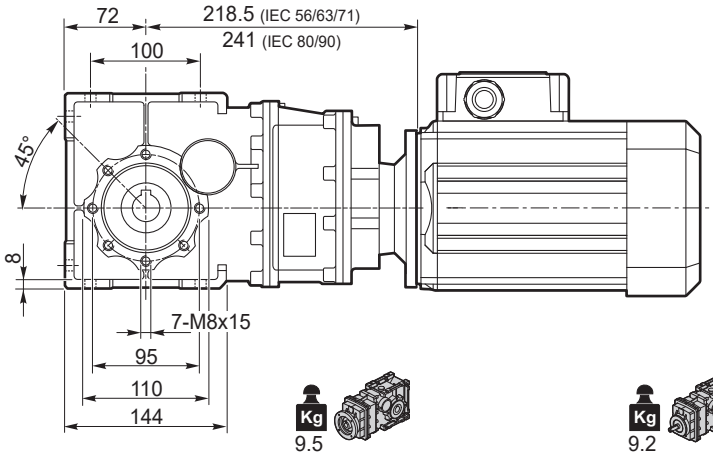


56 ... 80 → T4 pag.

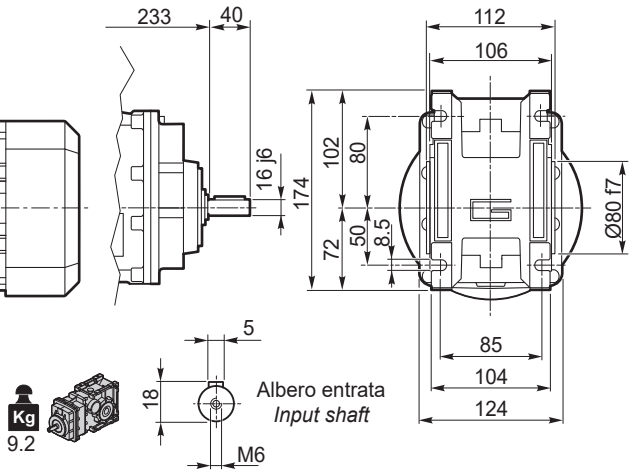


CMB 633.. - CMBIS 633..

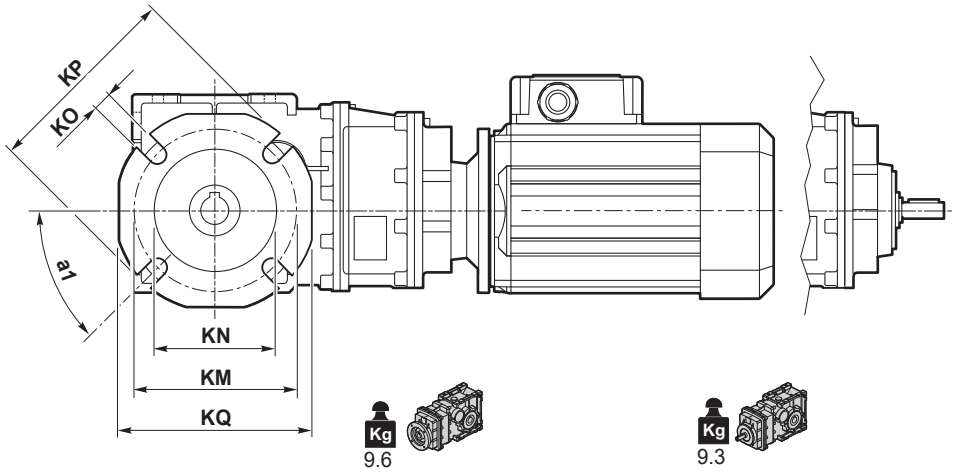
CMB 633 U..



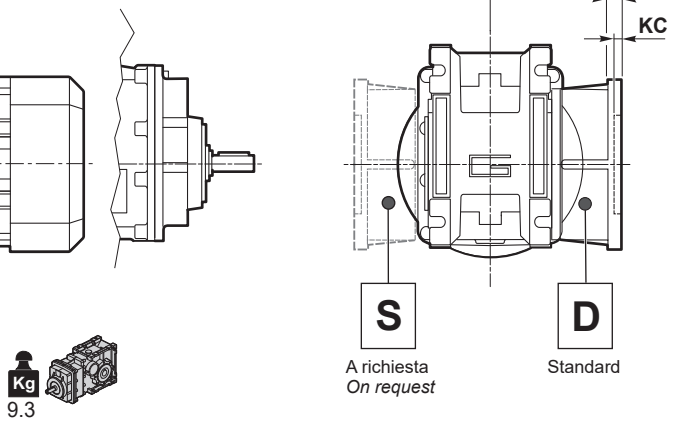
CMBIS 633 U..



CMB 633 F..

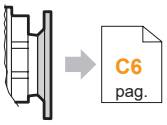


CMBIS 633 F..

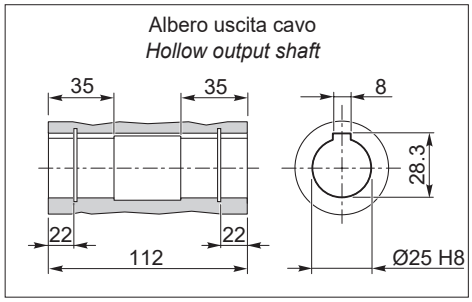


Versione **F** / ***F** Version*										
CMB CMBIS	**a_1**	**KA**	**KB**	**KC**	**KM**	**KN** H8	**KO**	**KP**	**KQ**	**Flangia / *Flange*** Tipo / *Type*
633	45°	82	10	6	150-160	115	11	180	142	**F**
	45°	112	10	8	150-160	115	11	180	142	**FL**
	45°	98	11	5	165	130	11	200	160	**FB**

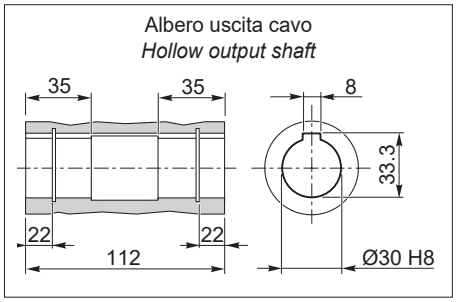
Flangia entrata
Input flange

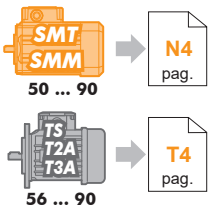


CMB 633.. D25
CMBIS 633.. D25



CMB 633.. D30
CMBIS 633.. D30

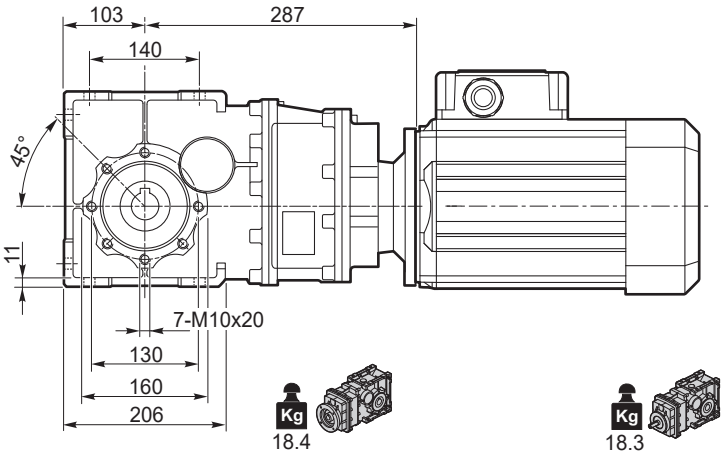




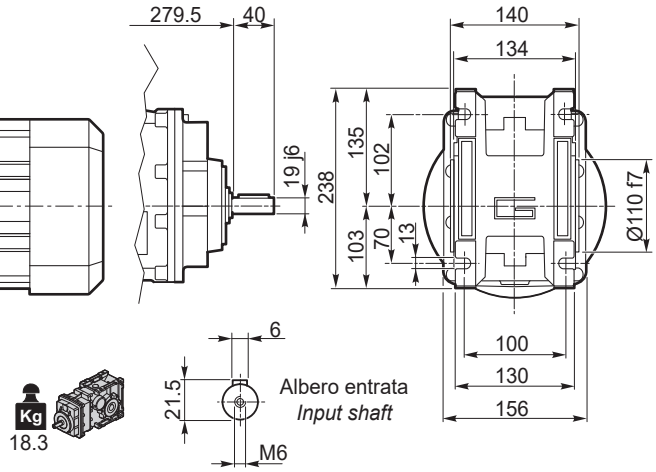
Dimensioni *Dimensions*

CMB 903.. - CMBIS 903..

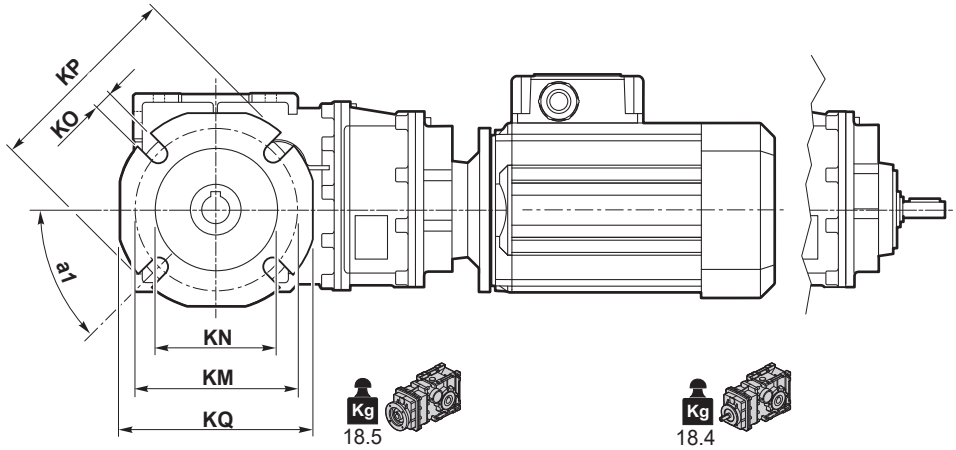
CMB 903 U..



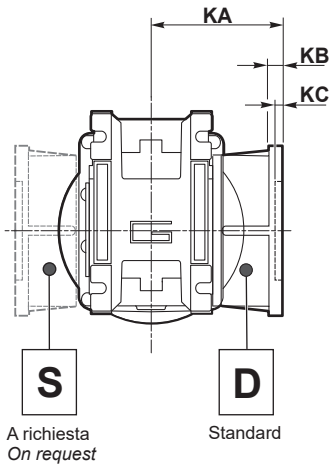
CMBIS 903 U..



CMB 903 F..



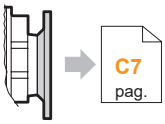
CMBIS 903 F..



Versione **F** / ***F** Version*										
CMB CMBIS	**a_1**	**KA**	**KB**	**KC**	**KM**	**KN** H8	**KO**	**KP**	**KQ**	**Flangia / *Flange*** Tipo / *Type*
903	45°	111	13	6	175-188	152	14	210	200	**F**

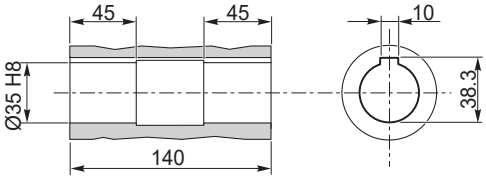
CMB 903.. D35 - CMBIS 903.. D35

Flangia entrata
Input flange



C7 pag.

Albero uscita cavo
Hollow output shaft



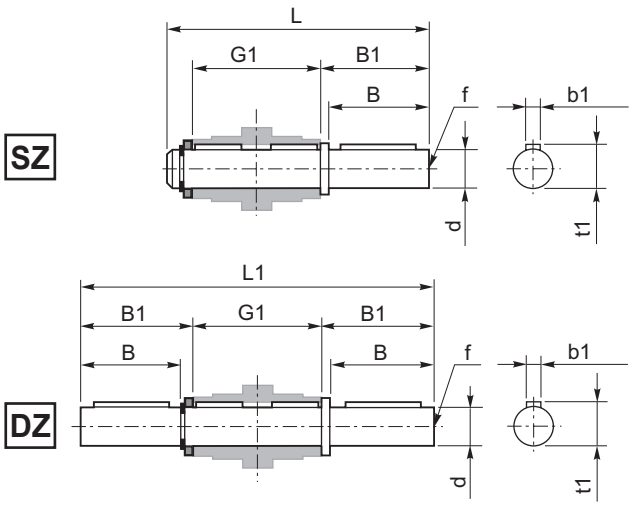
71 ... 90

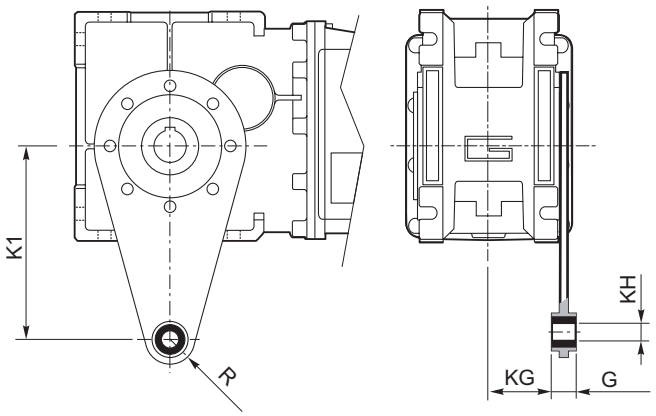
N4 pag.

71 ... 112

T4 pag.

Accessori / *Accessories*





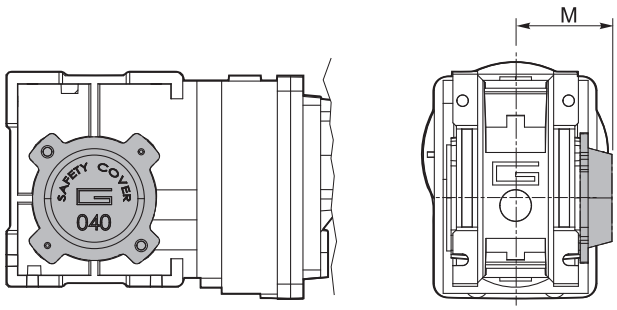
Albero lento / *Output shaft*

CMB CMBIS	d h7	B	B1	G1	L	L1	f	b1	t1
402	18	40	43	78	128	164	M6	6	20.5
502	25	50	53.5	92	153	199	M10	8	28
633	25	50	53.5	112	173	219	M10	8	28
903	35	80	84.5	140	234	309	M12	10	38

Braccio di reazione / *Torque arm*

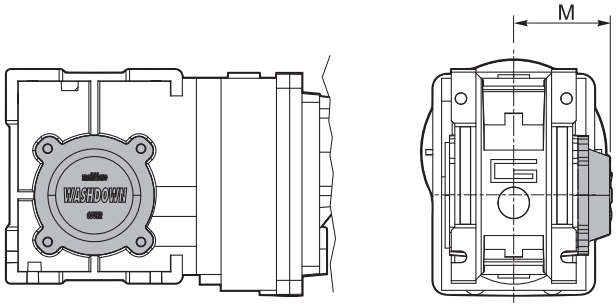
CMB CMBIS	K1	G	KG	KH	R
402	100	14	31	10	18
502	100	14	38	10	18
633	150	14	47.5	10	18
903	200	25	56.5	20	30

SC - *Safety cover*



CMB CMBIS	M
402	54.5
502	62.5
633	73
903	94

WD - *Washdown cover*



CMB CMBIS	M
402	55.5
502	63.5
633	71.5
903	95

Note/*Notes*

TRANSTECNO SRL
HEADQUARTERS
Company subject to the management
and coordination of INTERPUMP GROUP SPA
Via Caduti di Sabbiuno, 11
40011 Anzola dell'Emilia (BO)
ITALY
T+39 051 64 25 811
F +39 051 73 49 43
sales@transtecno.com
www.transtecno.com

TRANSTECNO®
the modular gearmotor

MEMBER OF INTERPUMP GROUP

HANGZHOU INTERPUMP
POWER TRANSMISSIONS CO LTD
No.4 Xiuyan Road Fengdu Industry Zone
Pingyao Town Yuhang District
Hangzhou City, Zhejiang Province
311115 – CHINA
T +86 571 86 92 02 60
info-china@transtecno.cn
www.transtecno.cn

TRANSTECNO IBÉRICA
THE MODULAR GEARMOTOR, S.A.
Carrer de la Ciència, 45
08840 Viladecans (Barcelona) - SPAIN
T +34 931 598 950
info@transtecno.es
www.transtecno.es

TRANSTECNO B.V.
Siliciumweg 32
3812 SX Amersfoort - NETHERLANDS
T +31(0) 33 45 19 505
info@transtecno.nl
www.transtecno.nl

TRANSTECNO AANDRIJFTECHNIEK B.V.
Siliciumweg 32
3812 SX Amersfoort - NETHERLANDS
T +31 (0) 33 20 4 7 006
info@transtecnoaandrijftechniek.nl
www.transtecnoaandrijftechniek.nl

MA TRANSTECNO S.A.P.I. DE C.V.
Julián Sepúlveda Dávila #107,
Parque Industrial SG
Apodaca, Nuevo León, CP. 66640
MÉXICO
T +52 8113340920
info@transtecno.com.mx
www.transtecno.com.mx

TRANSTECNO USA
8 Creek Parkway,
Boothwyn PA 19061-8136 - UNITED STATES
T + 1 (610) 4970154

TRANSTECNO USA – WEST COAST BRANCH
14561 Fryelands Blvd SE
Monroe, WA 98272 - UNITED STATES
T +1 360-863-1300
usaoffice@transtecno.com
www.transtecno.com

TRANSTECNO CANADA
51 B Caldari Road Unit 10
Vaughan, ON L4K 4G3 - CANADA
T +1 905 761 0762
canadaoffice@transtecno.com
www.transtecno.com

TRANSTECNO INDIA
#6A, Sipcot Industrial complex, Phase-1,Elasagiri Road
Hosur – 635126 Tamilnadu - INDIA
T +91 4344 274434
M +91 81443 88800
indiaoffice@transtecno.com
www.transtecno.com

INTERPUMP ANTRIEBSTECHNIK GMBH
Büro Stuttgart - Dieselstraße 6
70738 Fellbach - GERMANY
T +49 (0)171 4781909
germanoffice@transtecno.com
www.transtecno.com

TRANSTECNO BRAZIL
Rua Gilberto de Zorzi, 525 Forqueta - CEP. 95115-730
CX Postal 3544 Caxias do Sul RS – BRAZIL

TRANSTECNO BRAZIL – SÃO PAULO BRANCH
Rua Fortunato Jose Deltreggia, 745 – CEP: 13347-441
Indaiatuba, São Paulo – BRAZIL
T +55 19 98927 3906

TRANSTECNO BRAZIL – PORTO ALEGRE BRANCH
Rua Dr. Freire Alemão 155 / 402 - CEP. 90450-060
Auxiliadora Porto Alegre RS - BRAZIL
T +55 51 4042 0916
M +55 51 811 45 962
braziloffice@transtecno.com
www.transtecno.com.br

TRANSTECNO AUSTRALIA
1/2 Access Way, Carrum Downs, Victoria, 3201
AUSTRALIA
T +61 (03) 9775 1077
australiaoffice@transtecno.com
www.transtecno.com

SALES OFFICE OCEANIA
Unit 5, 12 Nyholt Drive, Yatala 4207
Queensland - AUSTRALIA
T +61 07 3800 0103
M +61 04 38060997
UNIT 9 , 94 Boundary Rd, Sunshine West 3020
Victoria - AUSTRALIA
T + 61 03 9312 4722
oceaniaoffice@transtecno.com
www.transtecno.com.au