**ECMM****MOTORIDUTTORI C.C. COMBINATI**
PERMANENT MAGNETS D.C. COMBINATION GEARMOTORS**Caratteristiche tecniche****Technical features**

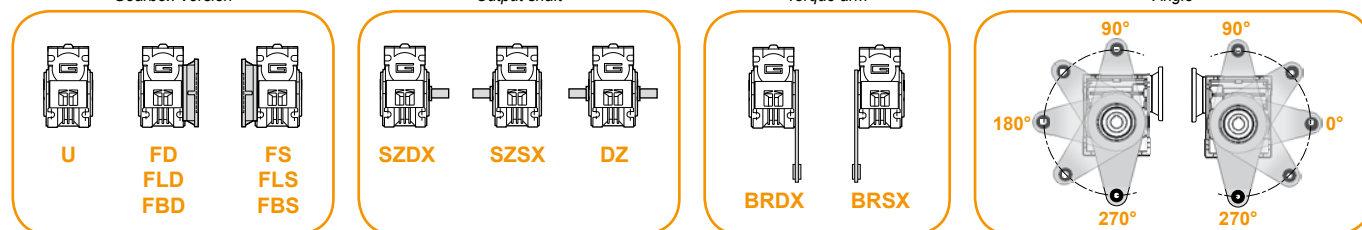
Le caratteristiche principali dei motoriduttori a corrente continua della serie ECMM sono:

The main features of ECMM DC gearmotor range are:

- Alimentazione in bassa tensione 12/24Vcc
- Possibilità di montaggio encoder
- Potenze motore disponibili da 100 a 800W S2
- Magneti in ferrite
- Carcassa in pressofusione di alluminio nelle grandezze 026, 030, 040, 050, 063, 075, 090 e 110. La grandezza 130 è costruita con carcassa in ghisa
- Lubrificazione permanente con olio sintetico
- Low voltage power supply 12/24Vdc
- Suitable for encoder assembly
- Motor power ratings available from 100 up to 800W S2
- Ferrite magnets
- Die cast aluminium housing on sizes 026, 030, 040, 050, 063, 075, 090 and 110. Cast iron housing on size 130
- Permanent synthetic oil long life lubrication

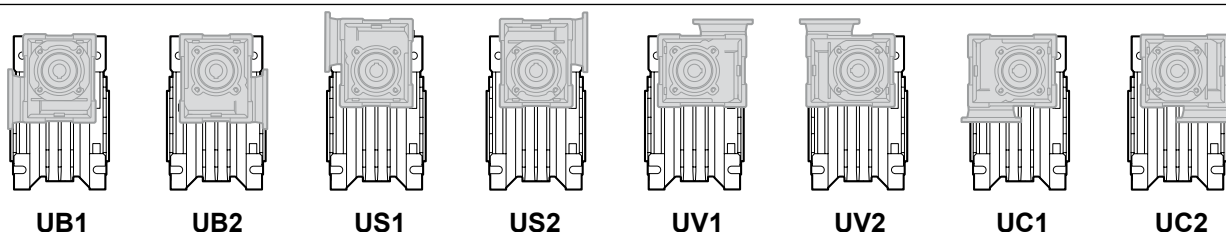
Designazione**Classification**

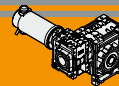
MOTORIDUTTORE / GEARMOTOR															
ECMM	100/026/026					U	150	SZDX	BRSX	90	B3	UB1	120	VS1	
Tipo Type	Grandezza Size					Versione Version	Rapporto Ratio	Albero di uscita Output shaft	Braccio di reazione Torque arm	Angolo Angle	Pos. di montaggio Mounting position	Esecuzione di montaggio Mounting execution	Versione motore Motor version	Opzioni Options	
	ECMM	070/026/026	100/026/026	180/026/040	250/030/040	350/030/040	U	vedi tabelle	SZDX	BRDX	0°	B3	UB1	120	VS1 VS2
	070/026/030	100/026/030	180/026/050	250/030/050	350/030/050	FD	SZSX		BRSX	90°	B8	UB2	240		
	070/026/040	100/026/040	180/030/040	250/030/063	350/030/063	FS	see tables	DZ		180°	B6	US1	24E		
	070/026/050	100/026/050	180/030/050	250/040/075	350/040/075	FLD				270°	B7	US2			
	070/030/040	100/030/040	180/030/063	250/040/090	350/040/090	FLS					V5	UV1			
	070/030/050	100/030/050	180/040/075	250/050/110	350/050/110	FBD				V6	UV2				
	070/030/063	100/030/063	180/040/090		350/063/130	FBS					UC1				
	070/040/075	100/040/075	180/050/110								UC2				
	070/040/090	100/040/090													
					600/040/075										
					600/040/090										
					600/050/110										
					600/063/130										

Versione Riduttore
Gearbox VersionAlbero di uscita
Output shaftBraccio di reazione
Torque armAngolo
Angle**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 in uscita in funzione di P_1 / Output torque referred to P_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

Esecuzioni di montaggio**Mounting executions**



Combinazioni rapporti

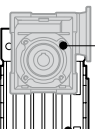
Combination ratio

CMM 026/026 - CMM 026/030 - CMM 026/040 - CMM 026/050												
$i (i_1 \times i_2)$												
	150	225	300	450	600	900	1200	1500	1800	2400	3000	3600
i_1	10	15	10	15	20	30	40	50	60	60	60	60
i_2	15	15	30	30	30	30	30	30	30	40	50	60

CMM 030/040 - CMM 030/050 - CMM 030/063 - CMM 040/075 - CMM 040/090 - CMM 050/110 - CMM 063/130															
$i (i_1 \times i_2)$															
	75	100	150	200	250	300	400	500	600	750	900	1200	1500	1800	2400
i_1	7.5	10	10	10	10	10	10	10	20	25	30	40	50	60	60
i_2	10	10	15	20	25	30	40	50	30	30	30	30	30	30	40

Lubrificazione

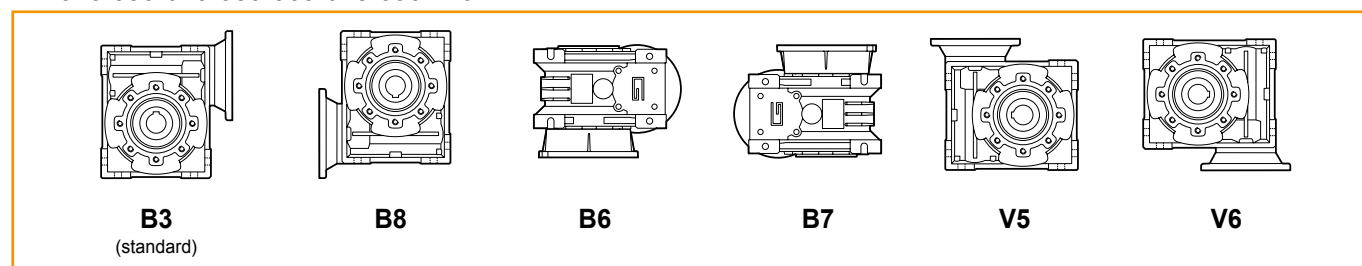
Lubrication



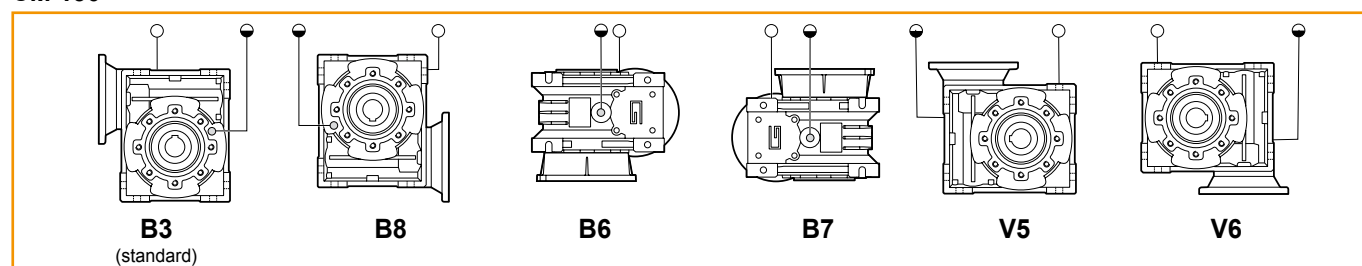
CMM												
	026/026	026/030	026/040	026/050	030/040	030/050	030/063	040/075	040/090	050/110	063/130	
1	026				030			040		050	063	
Lubrificazione a vita / Life lubricated												
2	026	030	040	050	040	050	063	075	090	110	130	
Lubrificazione a vita / Life lubricated												

Posizioni di montaggio / Mounting positions

CM 026-030-040-050-063-075-090-110



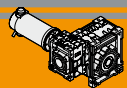
CM 130



○ Sfiato e tappo di riempimento / Breather and filling plug
 ● Livello olio / Oil level plug

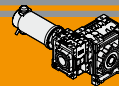
Quantità di olio (litri) / Oil quantity (litres)						
	B3	B8	B6	B7	V5	V6
CM026				0.02		
CM030				0.03		
CM040				0.07		
CM050				0.1		
CM063				0.25		
CM075				0.4		
CM090				0.7		
CM110				1.1		
CM130	4.5	3.3	3.5	3.5	4.5	3.3

Lubrificati a vita
 Life lubrication

**ECMM****MOTORIDUTTORI C.C. COMBINATI**
PERMANENT MAGNETS D.C. COMBINATION GEARMOTORS**Dati tecnici per servizio S2****Technical data for S2 duty**

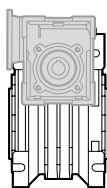
P_1 [W]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		Versione motore Motor version	P_1 [W]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		Versione motore Motor version
250							250						
(3000 min ⁻¹)	20.0	70	1.2	150	ECMM 180/026/040	120/240	(3000 min ⁻¹)	12.0	115	3.3	250	ECMM 180/040/075	120/240/24E
	13.3	103	0.8	225				10.0	132	3.9	300		
	10.0	116	0.8	300				7.5	159	2.7	400		
	20.0	73	2.2	150	ECMM 180/026/050	120/240		6.0	184	2.0	500		
	13.3	108	1.5	225			5.0	251	2.0	600			
	10.0	118	1.4	300			4.0	302	1.7	750			
	6.7	173	0.9	450				3.3	349	1.5	900		
	5.0	223	0.7	600			2.5	421	1.0	1200			
							2.0	522	1.0	1500			
	40.0	40	2.1	75	ECMM 180/030/040	120/240/24E		1.7	599	0.9	1800		
	30.0	52	1.6	100			1.3	432	1.0	2400			
	20.0	71	1.2	150			1.0	378	1.0	3000			
	15.0	92	0.8	200				5.0	263	3.3	600	ECMM 180/040/090	120/240/24E
	12.0	67	1.0	250			4.0	317	2.8	750			
	10.0	90	1.0	300			3.3	366	2.4	900			
	7.5	74	1.0	400				2.5	451	1.7	1200		
	6.0	68	1.0	500			2.0	546	1.6	1500			
	5.0	90	1.0	600			1.7	627	1.4	1800			
	4.0	90	1.0	750				1.3	773	1.0	2400		
	3.3	90	1.0	900			1.0	903	0.7	3000			
	40.0	40	3.9	75	ECMM 180/030/050	120/240/24E		3.3	376	3.9	900	ECMM 180/050/110	24E
	30.0	52	3.0	100		120/240/24E	2.5	487	2.7	1200	120/240/24E		
	20.0	74	2.2	150		120/240/24E	2.0	571	2.6	1500	120/240/24E		
	15.0	94	1.5	200		120/240/24E	1.7	656	2.3	1800		120/240/24E	
	12.0	110	1.1	250		120/240/24E	1.3	849	1.6	2400		120/240/24E	
	10.0	120	1.4	300		120/240/24E	1.0	996	1.2	3000		120/240/24E	
	7.5	146	0.9	400		120/240/24E							
	6.0	165	0.8	500		120/240/24E							
	5.0	226	0.7	600		120/240/24E							
	4.0	162	1.0	750		120/240/24E							
	3.3	162	1.0	900		120/240/24E							
	2.5	135	1.0	1200		120/240/24E							
	2.0	162	1.0	1500		120/240/24E							
	1.7	162	1.0	1800		120/240							
	15.0	92	2.8	200	ECMM 180/030/063	120/240/24E							
	12.0	108	2.1	250		120/240/24E							
	10.0	124	2.5	300		120/240/24E							
	7.5	149	1.7	400		120/240/24E							
	6.0	172	1.3	500		120/240/24E							
	5.0	233	1.3	600		120/240/24E							
	4.0	281	1.1	750		120/240/24E							
	3.3	320	1.0	900		120/240/24E							
	2.5	384	0.7	1200		120/240/24E							
	2.0	468	0.7	1500		120/240/24E							
	1.7	310	1.0	1800		120/240							
	1.3	260	1.0	2400		120/240							
	1.0	232	1.0	3000		120/240							
							350						
(3000 min ⁻¹)							(3000 min ⁻¹)	40.0	55	1.5	75	ECMM 250/030/040	120/240
								30.0	72	1.2	100		
								20.0	100	0.9	150		
								15.0	74	1.0	200		
							12.0	67	1.0	250			
							10.0	90	1.0	300			
								7.5	74	1.0	400		
							6.0	68	1.0	500			
							5.0	90	1.0	600			
								4.0	90	1.0	750		
							3.3	90	1.0	900			
							2.5	74	1.0	1200			
								2.0	90	1.0	1500		
								40.0	56	2.8	75	ECMM 250/030/050	120/240
							30.0	73	2.1	100			
							20.0	104	1.5	150			
								15.0	131	1.0	200		
							12.0	154	0.8	250			
							10.0	168	1.0	300			

Nota: Verificare sempre che la coppia M2 utilizzata non ecceda il valore indicato nelle caselle in grigio**Note:** Please check that the output torque M2 does not exceed the value into the grey areas

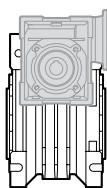


Motori applicabili

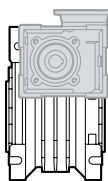
IEC Motor adapters



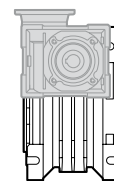
US1



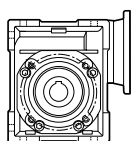
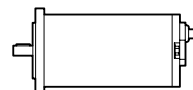
US2



UV1



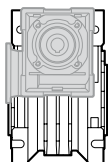
UV2



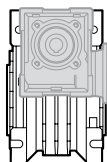
		EC			
		070.120 070.240	100.120 100.240	100.24E	180.120 180.240
CMM	026/026	150 - 3600	150 - 3600	150 - 3600	150 - 3600

150 - 3600

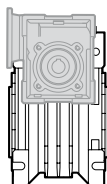
Rapporti di riduzione i
Ratio i



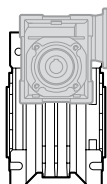
UB1



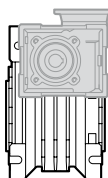
UB2



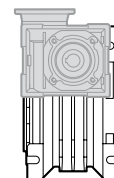
US1



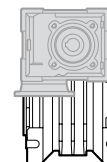
US2



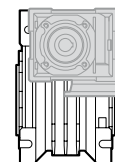
UV1



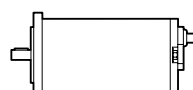
UV2



UC1



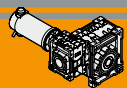
UC2



		EC							
		070.120 070.240	100.120 100.240	100.24E	180.120 180.240	180.24E	250.120 250.240	350.120 350.240	600.120 600.240
CMM	026/030	150 - 3600	150 - 3600	150 - 3600	150 - 3600				
	026/040	150 - 3600	150 - 3600	150 - 3600	150 - 3600				
	026/050	150 - 3600	150 - 3600	150 - 3600	150 - 3600				
	030/040	75 - 3000	75 - 3000	75 - 3000	75 - 3000	75 - 1500	75 - 1500	75 - 1500	
	030/050	75 - 3000	75 - 3000	75 - 3000	75 - 3000	75 - 1500	75 - 1500	75 - 1500	
	030/063	75 - 3000	75 - 3000	75 - 3000	75 - 3000	75 - 1500	100 - 1500	75 - 1500	
	040/075	75 - 3000	75 - 3000	75 - 3000	75 - 3000	75 - 3000	200 - 3000	75 - 3000	75 - 1200
	040/090	75 - 3000	75 - 3000	75 - 3000	75 - 3000	75 - 3000	250 - 3000	75 - 3000	75 - 1200
	050/110				1200 - 3000	75 - 3000	500 - 3000	75 - 3000	75 - 3000
	063/130							75 - 3000	75 - 3000

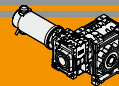
150 - 3600

Rapporti di riduzione i
Ratio i


ECMM
MOTORIDUTTORI C.C. COMBINATI
PERMANENT MAGNETS D.C. COMBINATION GEARMOTORS
Dimensioni
Dimensions

CMM..U - CMM..F - CMM..FB - CMM..FL																	
	A	C	D _{H8}	E	F	G	G1	H	H1	I	I1	K	L	M	N _{H8}	N1	N2
026/040	70	100	18	121.5	43	47.5	78	50	34	40	26	60	71	75	60	36.5	21
026/050	80	120	25	144	49	47.5	92	60	34	50	26	70	85	85	70	43.5	21
030/040	70	100	18	121.5	43	55	78	50	40	40	30	60	71	75	60	36.5	29
030/050	80	120	25	144	49	55	92	60	40	50	30	70	85	85	70	43.5	29
030/063	100	144	25	174	67	55	112	72	40	63	30	85	104	95	80	53	29
040/075	120	172	28	205	72	70	120	86	50	75	40	90	112	115	95	57	36.5
040/090	140	208	35	238	74	70	140	103	50	90	40	100	130	130	110	67	36.5
050/110	170	252.5	42	295	—	80	155	127.5	60	110	50	115	144	165	130	74	43.5

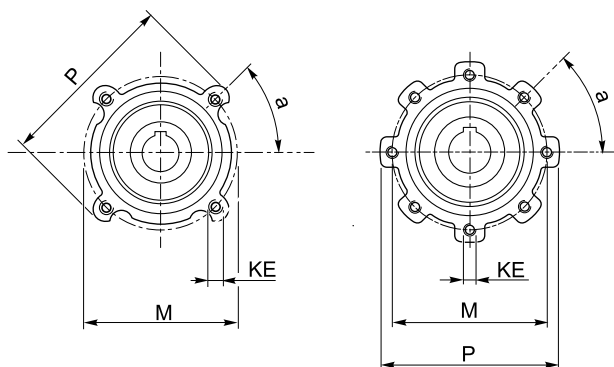
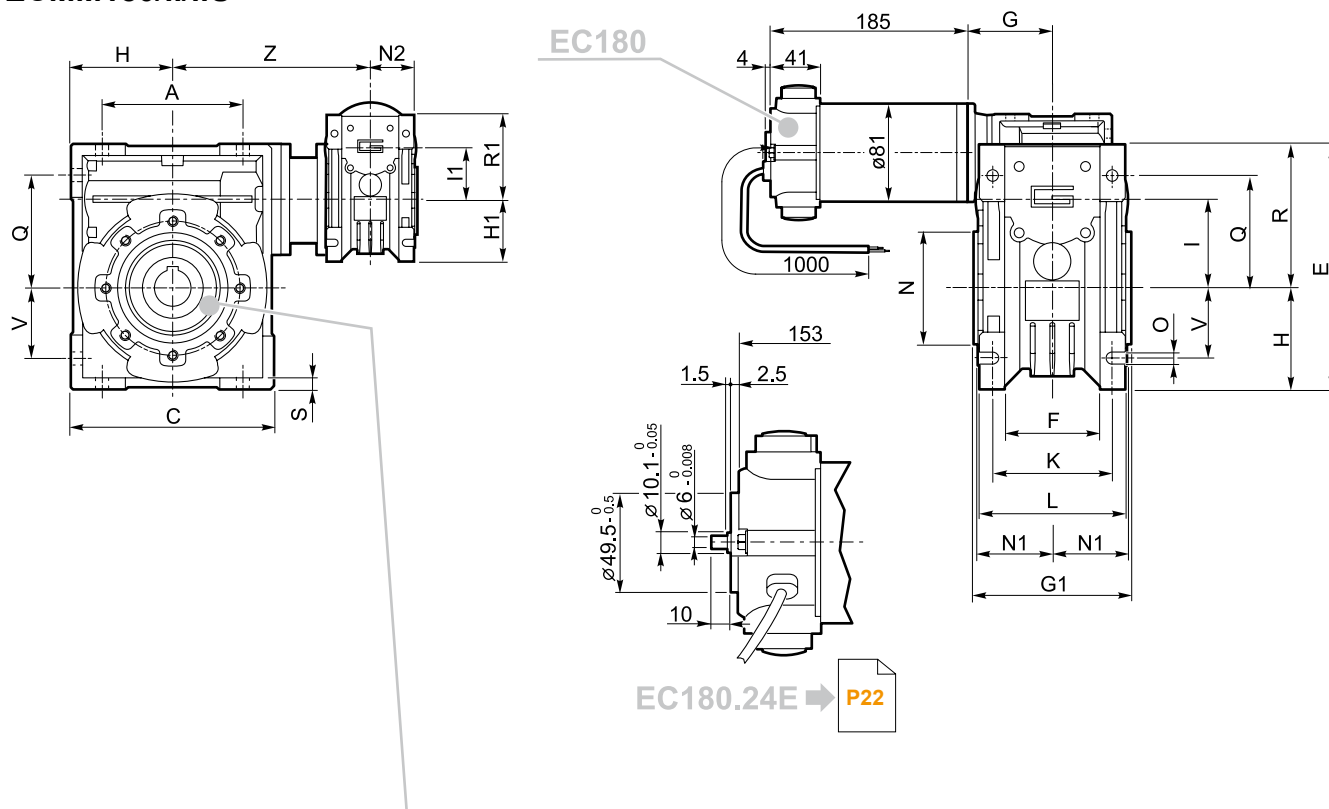
CMM..U - CMM..F - CMM..FB - CMM..FL														
	O	P	Q	R	R1	S	T	V	Z	KE	a	b	t	Kg
026/040	6.5	87	55	71.5	49	6.5	26	35	91.5	M6x8(n.4)	45°	6	20.8	6.9
026/050	8.5	98	64	84	49	7	30	40	100.5	M8x10(n.4)	45°	8	28.3	8.4
030/040	6.5	87	55	71.5	57	6.5	26	35	122	M6x8(n.4)	45°	6	20.8	7.3
030/050	8.5	98	64	84	57	7	30	40	132	M8x10(n.4)	45°	8	28.3	8.4
030/063	8.5	110	80	102	57	8	36	50	145	M8x14(n.8)	45°	8	28.3	10.4
040/075	11	140	93	119	71.5	10	40	60	165	M8x14(n.8)	45°	8	31.3	15.4
040/090	13	160	102	135	71.5	11	45	70	182	M10x18(n.8)	45°	10	38.3	19
050/110	14	200	125	167.5	84	14	50	85	225	M10x18(n.8)	45°	12	45.3	33.6



Dimensioni

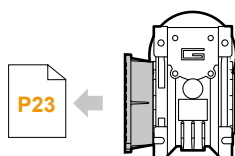
Dimensions

ECMM180/...U

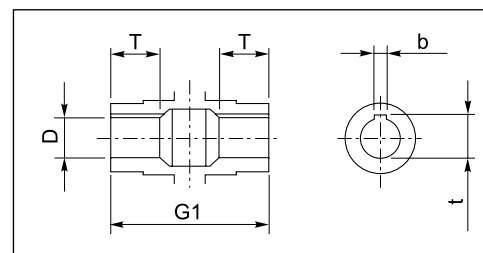


..026/040 ..026/050
 ..030/040 ..030/050

..030/063 ..040/075
 ..040/090 ..050/110



ECMM180/... F
ECMM180/... FL
ECMM180/... FB



Albero lento cavo / Hollow output shaft

ECMM