

Motorreductores sinfín corona  
de doble reducción

**Motoredutores de rosca  
sem fim combinados**

Double reduction wormgearmotors





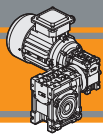


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**CMM**

**Motorreductores sinfín corona de doble reducción**  
**Motoredutores de rosca sem fim combinados**  
**Double reduction wormgearmotors**

**60 Hz**

**Características técnicas**

**Características técnicas**

**Technical features**

El rango de combinación de los motorreductores sinfín corona CMM tienen las siguientes características principales:

- Caja de aluminio para tamaños 026, 030, 040, 050, 063, 075, 090 y 110. El tamaño 130 tiene carcasa de hierro fundido;
- Doble rodamiento de rodillos cónicos en tamaños 090, 110 y 130;
- Lubricación permanente con aceite sintético.

CMM Motoredutores de rosca sem fim combinados as seguintes características:

- *Carcaça de alumínio em tamanhos 026, 030, 040, 050, 063, 070, 075, 090, 110. Tamanho 130 em carcaça de ferro fundido.*
- *Rolamentos cônicos nos seguintes tamanhos 090, 110 and 130;*
- *Lubrificação permanente com óleo sintético*

CMM double reduction worm gearmotors range have the following main features:

- Die-cast aluminum housing on sizes 026, 030, 040, 050, 063, 070, 075, 090 and 110. Cast iron housing on size 130;
- Double taper roller bearing on sizes 090, 110 and 130;
- Permanent synthetic oil long-life lubrication.

**Clasificación**

**Designação**

**Classification**

REDUCTOR / REDUTOR / GEARBOX											
CMM	030/063	FD	20	71	B5	SZDX	BRSX	90	M1	US1	VS
Tipo Tipo Type	Tamaño Tamanho Size	Versión Versão Version	Relación de reducción Rapporto Ratio	IEC 	Forma constructiva Forma constructiva Version	∅ Eje de salida ∅ Eixo saída ∅ Output shaft	Brazo de reacción Braço de reação Torque arm	Ángulo Ângulo Angle	Posición de montaje Pos. de montagem Mounting position	Ejecución de montaje Tipos de montagem Mounting execution	Opción Opções Options
<b>CMM</b> 	<b>026/026</b> <b>026/026 (D11)</b> <b>026/026 (D14)</b> <b>026/030</b> <b>026/040</b> <b>026/050</b> <b>030/040</b> <b>030/050</b> <b>030/063</b> <b>040/063</b> <b>040/070</b> <b>040/075</b> <b>040/090</b> <b>050/110</b> <b>063/130</b>	<b>U</b> <b>FD</b> <b>FS</b> <b>FBD</b> <b>FBS</b> <b>FLD</b> <b>FLS</b>	Véase tablas Veja tabelas see tables	<b>56..</b> — <b>90..</b>	<b>B5</b> <b>B14</b>	<b>SZDX</b> <b>SZSX</b> <b>DZ</b>	<b>BRDX</b> <b>BRSX</b>  *	<b>0°</b> <b>90°</b> <b>180°</b> <b>270°</b>	<b>M1 (B3)</b> <b>M2 (V6)</b> <b>M3 (B8)</b> <b>M4 (V5)</b> <b>M6 (B6)</b> <b>M5 (B7)</b>	<b>UB1</b> <b>UB2</b> <b>US1</b> <b>US2</b> <b>UV1</b> <b>UV2</b> <b>UC1</b> <b>UC2</b>	<b>VS1</b> <b>VS2</b>
Relación de reducción Versão Redutor Gearbox Version			Eje de salida Eixo de saída Output shaft			Brazo de reacción Braço de reação Torque arm *		Ángulo Ângulo Angle			
<p><b>U</b>      <b>F...D</b>      <b>F...S</b></p>			<p><b>SZDX</b>      <b>SZSX</b>      <b>DZ</b></p>			<p><b>BRDX</b>      <b>BRSX</b></p>					

NOTA: el brazo de reacción se suministra desmontado.  
 \* NOTA: o braço de reação é fornecido desmontado.  
 NOTE: the torque arm will be supplied not assembled.

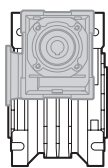
MOTOR / MOTOR / MOTOR						
0.25kW	4p	3ph	230/400V	50Hz	T1	
Potencia Potência Power	Polos Pólos Poles	Fases Fases Phases	Tensión Tensão Voltage	Frecuencia Frequência Frequency	Posición caja de bornes Pos. Conexão Terminal box pos.	
Véase tablas Veja tabelas see tables	<b>2p</b> <b>4p</b> <b>6p</b> <b>8p</b>	<b>1ph</b> <b>3ph</b>	<b>230V</b> <b>230/400V</b>	<b>60Hz</b>	<p><b>T1 (Std)</b> <b>T4</b>      <b>T2</b> <b>T3</b></p>	



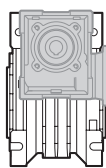
## Ejecución de montaje

## Tipos de montagem

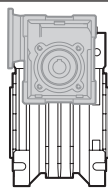
## Mounting executions



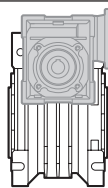
UB1



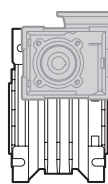
UB2



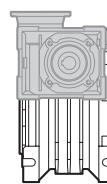
US1



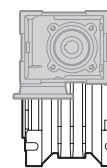
US2



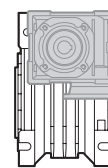
UV1



UV2



UC1



UC2

## Nomenclatura

## Simbologia

## Legend

$n_1$	[rpm]	Velocidad de entrada / <i>Velocidade na entrada</i> / Input speed
$n_2$	[rpm]	Velocidad de salida / <i>Velocidade na saída</i> / Output speed
$i$		Relación de reducción / <i>Relação de redução</i> / Ratio
$P_1$	[kW]	Potencia en la entrada / <i>Potência da entrada</i> / Input power
$M_2$	[Nm]	Par en la salida en función de $P_1$ / <i>Torque na saída em função de <math>P_1</math></i> / Output torque referred to $P_1$
$sf$		Factor de servicio / <i>Fator de serviço</i> / Service factor
$R_2$	[N]	Carga radial admisible en la salida / <i>Carga radial admissível na saída</i> / Maximum output radial load
$A_2$	[N]	Carga axial admisible en la salida / <i>Carga axial admissível na saída</i> / Maximum output axial load

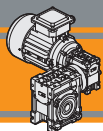
## Relaciones combinadas

## Combinações de reduções

## 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 040/063 - CMM 040/070 - 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	3000
$i_1$	7.5	10	10	10	10	10	10	10	20	25	30	40	50	60	60	60
$i_2$	10	10	15	20	25	30	40	50	30	30	30	30	30	30	40	50

**Lubricación**

La lubricación permanente con aceite sintético de larga vida (grado de viscosidad 320) hace que sea posible el uso de los reductores tamaños 40, 50, 63, 75, 90 y 110 en todas las posiciones de montaje. Solo para el tamaño 130 la lubricación depende de la posición de montaje.

**Lubrificação**

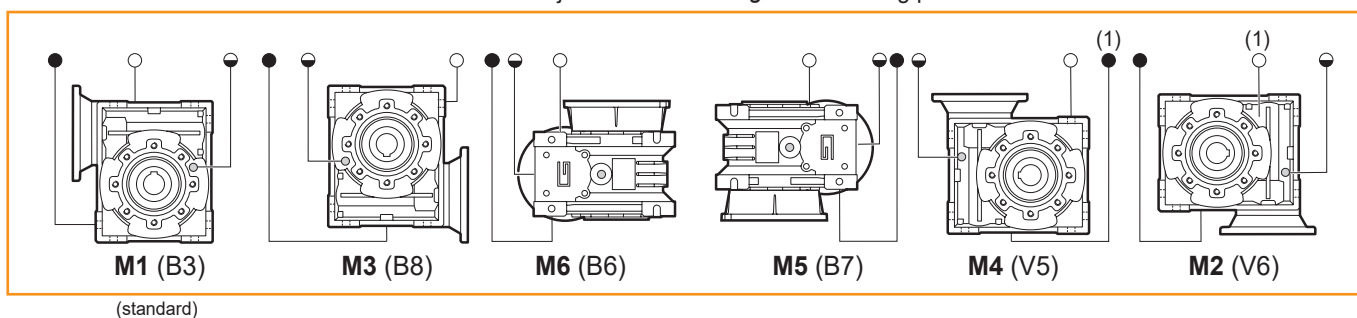
*Lubrificação permanente longa vida óleo sintético (Grau de viscosidade 320) faz com que seja possível usar os tamanhos de motoredutores 26, 30, 40, 50, 63, 70, 75, 90, 110 em todas as posições de montagem; Por essa razão eles podem ser instalados em qualquer posição de montagem e não requerem manutenção. Apenas para o tamanho 130, a lubrificação depende de posição de montagem.*

**Lubrication**

Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use the gearmotors size 26, 30, 40, 50, 63, 70, 75, 90, 110 in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance. Only for size 130, the lubrication depended of mounting positions.

Cantidad de aceite (litros) / Quantidade de óleo (litros) / Oil quantity (litres)						
	M1 (B3)	M3 (B8)	M6 (B6)	M5 (B7)	M4 (V5)	M2 (V6)
<b>CM130</b>	4.5	3.3	3.5	3.5	4.5	3.3





Lubricación permanente  
Lubrificação permanente  
Life lubrication

**Posición de montaje / Pos. de montagem / Mounting positions**

(1): Tapón en posición trasera  
Válvula na posição posterior  
Plug in backside position

- Tapón de purga y tapón de llenado del aceite  
Válvula de Respiro e tampa de preenchimento / Breather and filling plug
- ◐ Nivel del aceite / Nivel de óleo / Oil level plug
- Tapon de drenado del aceite / Oil drain plug


**Datos técnicos**
**Dados técnicos**
**Technical data**

$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i			$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i									
<b>0.09</b>							<b>0.09</b>													
(0.12 hp)	12	33	0.8	150	CMM 026/026	B14	(0.12 hp)	12	45	3.6	150	CMM 030/050	B5/B14							
	7.8	33	0.8	225					8.8	56	2.4			200						
56B4 (1750 min <sup>-1</sup> )	5.8	34	0.8	300					7.0	66	1.9			250						
	3.9	34	0.8	450					5.8	72	2.3			300						
	2.9	34	0.8	600					4.4	87	1.5			400						
	1.9	34	0.8	900					3.5	99	1.3			500						
	1.5	34	0.8	1200					2.9	128	1.3			600						
	1.2	34	0.8	1500					2.3	154	1.1			750						
	0.97	34	0.8	1800					1.9	172	0.9			900						
	0.73	28	0.8	2400					1.5	203	0.8			1200						
	0.58	25	0.8	3000					1.2	203	0.8			1500						
	0.49	23	0.8	3600					0.97	203	0.8			1800						
									0.73	169	0.8			2400						
									0.58	156	0.8			3000						
	12	41	1.0	150			CMM 026/030	B14		5.8	74			4.2	300	CMM 030/063	B5/B14			
	7.8	49	0.8	225							4.4			89	2.9			400		
	5.8	50	0.8	300							3.5			103	2.2			500		
	3.9	50	0.8	450							2.9			138	2.2			600		
	2.9	50	0.8	600							2.3			164	1.9			750		
	1.9	50	0.8	900					1.9	186	1.7	900								
	1.5	50	0.8	1200					1.5	230	1.3	1200								
	1.2	50	0.8	1500					1.2	265	1.2	1500								
	0.97	50	0.8	1800					0.97	308	1.0	1800								
	0.73	43	0.8	2400					0.73	325	0.8	2400								
	0.58	38	0.8	3000					0.58	290	0.8	3000								
	0.49	34	0.8	3600																
	12	42	2.1	150	CMM 026/040	B14				5.8	74	4.2	300	CMM 040/063	B5/B14					
	7.8	59	1.5	225							4.4	89	2.9					400		
	5.8	70	1.3	300							3.5	103	2.2					500		
	3.9	98	0.9	450							2.9	138	2.2					600		
	2.9	113	0.8	600							2.3	164	1.9					750		
	1.9	113	0.8	900							1.9	186	1.7					900		
	1.5	113	0.8	1200							1.5	230	1.3					1200		
	1.2	113	0.8	1500					1.2	265	1.2	1500								
	0.97	113	0.8	1800					0.97	308	1.0	1800								
	0.73	93	0.8	2400					0.73	325	0.8	2400								
	0.58	85	0.8	3000					0.58	290	0.8	3000								
	0.49	78	0.8	3600																
	12	44	3.3	150			CMM 026/050	B14		2.9	138	3.3	600			CMM 040/070	B5/B14			
	7.8	62	2.3	225							2.3	164	2.8					750		
	5.8	71	2.3	300							1.9	186	2.4					900		
	3.9	100	1.6	450							1.5	207	2.2					1200		
	2.9	126	1.3	600							1.2	265	1.7					1500		
	1.9	169	1.0	900							0.97	308	1.5					1800		
	1.5	203	0.8	1200							0.73	369	1.0					2400		
	1.2	203	0.8	1500					0.58	420	0.8	3000								
	0.97	203	0.8	1800																
	0.73	169	0.8	2400					1.5	230	2.4	1200	CMM 040/075	B5/B14						
	0.58	156	0.8	3000					1.2	265	2.1	1500								
	0.49	141	0.8	3600					0.97	308	1.8	1800								
									0.73	376	1.2	2400								
									0.58	427	0.9	3000								
	23	23	3.6	75	CMM 030/040	B5/B14				1.2	278	2.5	1500	CMM 040/090	B5/B14					
	18	31	2.7	100							0.97	323	2.0					1800		
	12	43	2.0	150							0.73	397	2.0					2400		
	8.8	55	1.3	200					0.58	461	1.5	3000								
	7.0	66	1.0	250																
	5.8	71	1.3	300																
	4.4	86	0.9	400																
	3.5	85	0.8	500																
	2.9	113	0.8	600																
	2.3	113	0.8	750																
	1.9	113	0.8	900																
	1.5	113	0.8	1200																
	1.2	113	0.8	1500																
	0.97	113	0.8	1800																
	0.73	93	0.8	2400																
	0.58	85	0.8	3000																

Nota:

Por favor, compruebe que el par de salida M2 no exceda el valor en las áreas grises

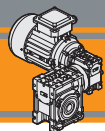
N. B.

Sempre verifique que o torque (M2) não exceda o valor indicado nas tabelas cinzas

N.B.

Please check that the output torque M2 does not exceed the value in the grey areas





**CMM**





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60 Hz

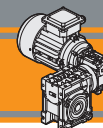
Datos técnicos





Dados técnicos

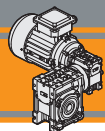
Technical data

P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i			P <sub>1</sub> [kW]	n <sub>2</sub> [min <sup>-1</sup> ]	M <sub>2</sub> [Nm]	sf	i										
<b>0.12</b>							<b>0.18</b>														
(0.16 hp)	23	31	2.7	75	<b>CMM</b> <b>030/040</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>	(0.25 hp)	23	47	1.8	75	<b>CMM</b> <b>030/040</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>								
	18	41	2.0	100				18	62	1.4	100										
63A4 (1750 min <sup>-1</sup> )	12	57	1.5	150				12	85	1.0	150										
	8.8	74	1.0	200																	
	5.8	94	1.0	300																	
	23	32	4.6	75	<b>CMM</b> <b>030/050</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		23	48	3.1	75	<b>CMM</b> <b>030/050</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>								
	18	42	3.6	100				18	63	2.4	100										
	12	59	2.7	150				12	89	1.8	150										
	8.8	75	1.8	200				8.8	112	1.2	200										
	7.0	88	1.4	250				7.0	132	0.9	250										
	5.8	96	1.7	300				5.8	144	1.1	300										
	4.4	117	1.2	400				12	88	2.4	150										
	3.5	132	0.9	500				8.8	111	2.4	200										
	2.9	171	0.9	600				7.0	130	1.8	250										
	8.8	74	3.5	200			<b>CMM</b> <b>030/063</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		5.8	149			2.1	300	<b>CMM</b> <b>030/063</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>				
	7.0	87	2.6	250		4.4			178	1.5	400										
	5.8	99	3.1	300		3.5			206	1.1	500										
	4.4	119	2.2	400		2.9			265	1.2	600										
	3.5	138	1.7	500		2.3			318	1.0	750										
	2.9	177	1.8	600		1.9			355	0.9	900										
	2.3	212	1.5	750		8.8			111	2.4	200										
	1.9	237	1.3	900		7.0			130	1.8	250										
	1.5	292	1.1	1200		5.8			149	2.1	300										
	1.2	342	0.9	1500		4.4			178	1.5	400										
	4.4	119	2.2	400	<b>CMM</b> <b>040/063</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		2.3	318	1.0	750	<b>CMM</b> <b>040/063</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>								
	3.5	138	1.7	500				1.9	371	0.8	900										
	2.9	184	1.7	600				8.8	112	3.5	200										
	2.3	218	1.4	750				7.0	134	2.5	250										
	1.9	248	1.3	900				5.8	149	3.1	300										
	1.5	306	1.0	1200				4.4	178	2.1	400										
	1.2	354	0.9	1500				3.5	206	1.6	500										
	3.5	138	2.4	500			<b>CMM</b> <b>040/070</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		2.9	276			1.6	600	<b>CMM</b> <b>040/070</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>				
	2.9	184	2.5	600						2.3	327			1.4	750						
	2.3	218	2.1	750						1.9	371			1.2	900						
	1.9	248	1.8	900		1.5			414	1.1	1200										
	1.5	276	1.6	1200		1.2			530	0.9	1500										
	1.2	354	1.3	1500		4.4			182	2.6	400										
	0.97	410	1.1	1800		3.5			206	2.0	500										
	2.3	218	2.5	750	<b>CMM</b> <b>040/075</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>				2.9	276	2.0	600	<b>CMM</b> <b>040/075</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>						
	1.9	248	2.2	900						2.3	327	1.7	750								
	1.5	306	1.8	1200						1.9	371	1.5	900								
	1.2	354	1.5	1500				1.5	460	1.2	1200										
	0.97	410	1.3	1800				1.2	530	1.0	1500										
	0.73	501	0.9	2400				0.97	615	0.9	1800										
	1.5	322	2.4	1200			<b>CMM</b> <b>040/090</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		3.5	223	3.1	500			<b>CMM</b> <b>040/090</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>				
	1.2	371	1.9	1500						2.9	290	2.5	600								
	0.97	431	1.5	1800						2.3	343	2.0	750								
	0.73	529	1.5	2400						1.9	390	2.2	900								
	0.58	615	1.1	3000		1.5			483	1.6	1200										
	0.97	453	2.8	1800	<b>CMM</b> <b>050/110</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>				1.2	557	1.3	1500	<b>CMM</b> <b>050/110</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>						
	0.73	575	2.5	2400						0.97	646	1.0	1800								
	0.58	684	1.9	3000						0.73	793	1.0	2400								
	0.73	624	2.9	2400					<b>CMM</b> <b>063/130</b>	<b>B5</b> <b>B5</b>		1.5	505					2.8	1200	<b>CMM</b> <b>050/110</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>
	0.58	755	2.1	3000								1.2	594					2.2	1500		
	0.97	679	1.9	1800				0.97			679	1.9	1800								
	0.73	863	1.7	2400				0.73			863	1.7	2400								
	0.58	1026	1.2	3000				0.58			1026	1.2	3000								
	0.97	735	2.8	1800			<b>CMM</b> <b>063/130</b>	<b>B5</b> <b>B5</b> <b>B5</b>				0.97	735			2.8	1800	<b>CMM</b> <b>063/130</b>	<b>B5</b> <b>B5</b> <b>B5</b>		
	0.73	936	1.9	2400								0.73	936			1.9	2400				
	0.58	1132	1.4	3000		0.58					1132	1.4	3000								








**Datos t3cnicos**
**Dados t3cnicos**
**Technical data**

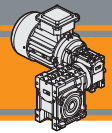
$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i			$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i		
<b>0.25</b>							<b>0.37</b>						
(0.33 hp)	23	65	1.3	75	<b>CMM</b>	B5/B14	(0.50 hp)	23	100	2.9	75	<b>CMM</b>	B5/B14
	18	86	1.0	100	<b>030/040</b>	B5/B14		18	131	2.2	100	<b>040/063</b>	B5/B14
63C4 (1750 min <sup>-1</sup> )	23	66	2.2	75	<b>CMM</b>	B5/B14	71A4 (1750 min <sup>-1</sup> )	12	181	1.7	150		B5/B14
	18	87	1.8	100	<b>030/050</b>	B5/B14		8.8	227	1.1	200		B5/B14
	12	124	1.3	150		B5/B14		7.0	267	0.9	250		B5/B14
	8.8	156	0.9	200		B5/B14		5.8	305	1.0	300		B5/B14
	23	67	2.2	75	<b>CMM</b>	B5/B14		23	102	3.2	75	<b>CMM</b>	B5/B14
	18	88	1.8	100	<b>030/063</b>	B5/B14		18	132	2.5	100	<b>040/070</b>	B5/B14
	12	122	1.8	150		B5/B14		12	183	2.4	150		B5/B14
	8.8	154	1.7	200		B5/B14		8.8	231	1.7	200		B5/B14
	7.0	180	1.3	250		B5/B14		7.0	276	1.2	250		B5/B14
	5.8	206	1.5	300		B5/B14		5.8	305	1.5	300		B5/B14
	4.4	248	1.1	400		B5/B14		4.4	366	1.0	400		B5/B14
	12	122	2.5	150	<b>CMM</b>	B5/B14		8.8	234	2.0	200	<b>CMM</b>	B5/B14
	8.8	154	1.7	200	<b>040/063</b>	B5/B14		7.0	276	1.5	250	<b>040/075</b>	B5/B14
	7.0	180	1.3	250		B5/B14		5.8	305	1.8	300		B5/B14
	5.8	206	1.5	300		B5/B14		4.4	373	1.3	400		B5/B14
	4.4	248	1.1	400		B5/B14		3.5	424	1.0	500		B5/B14
	8.8	156	2.5	200	<b>CMM</b>	B5/B14		2.9	567	1.0	600		B5/B14
	7.0	186	1.8	250	<b>040/070</b>	B5/B14		8.8	244	2.5	200	<b>CMM</b>	B5/B14
	5.8	206	2.2	300		B5/B14		7.0	293	2.4	250	<b>040/090</b>	B5/B14
	4.4	248	1.5	400		B5/B14		5.8	321	2.5	300		B5/B14
	3.5	287	1.2	500		B5/B14		4.4	393	2.1	400		B5/B14
	2.9	383	1.2	600		B5/B14		3.5	458	1.5	500		B5/B14
	2.3	454	1.0	750		B5/B14		2.9	595	1.2	600		B5/B14
	1.9	516	0.9	900		B5/B14		2.3	706	1.0	750		B5/B14
	7.0	186	2.2	250	<b>CMM</b>	B5/B14		1.9	801	1.1	900		B5/B14
	5.8	206	2.7	300	<b>040/075</b>	B5/B14		1.5	992	0.8	1200		B5/B14
	4.4	252	1.9	400		B5/B14		4.4	419	3.4	400	<b>CMM</b>	B5/B14
	3.5	287	1.4	500		B5/B14		3.5	498	2.6	500	<b>050/110</b>	B5/B14
	2.9	383	1.4	600		B5/B14		2.9	613	2.2	600		B5/B14
	2.3	454	1.2	750		B5/B14		2.3	737	1.7	750		B5/B14
	1.9	516	1.1	900		B5/B14		1.9	837	1.9	900		B5/B14
	1.5	638	0.9	1200		B5/B14		1.5	1039	1.3	1200		B5/B14
	4.4	266	3.1	400	<b>CMM</b>	B5/B14		1.2	1221	1.1	1500		B5/B14
	3.5	309	2.2	500	<b>040/090</b>	B5/B14		0.97	1396	0.9	1800		B5/B14
	2.9	402	1.8	600		B5/B14		2.3	780	2.6	750	<b>CMM</b>	B5/B14
	2.3	477	1.4	750		B5/B14		1.9	900	2.3	900	<b>063/130</b>	B5/B14
	1.9	541	1.6	900		B5/B14		1.5	1119	1.8	1200		B5/B14
	1.5	670	1.1	1200		B5/B14		1.2	1319	1.6	1500		B5/B14
	1.2	774	0.9	1500		B5/B14		0.97	1511	1.4	1800		B5/B14
	3.5	336	3.8	500	<b>CMM</b>	B5/B14		0.73	1923	0.9	2400		B5/B14
	2.9	414	3.2	600	<b>050/110</b>	B5/B14							
	2.3	498	2.6	750		B5/B14							
	1.9	566	2.8	900		B5/B14							
	1.5	702	2.0	1200		B5/B14							
	1.2	825	1.6	1500		B5/B14							
	0.97	943	1.3	1800		B5/B14							
	0.73	1198	1.2	2400		B5/B14							
	0.58	1424	0.9	3000		B5/B14							
	1.5	756	2.7	1200	<b>CMM</b>	B5							
	1.2	891	2.3	1500	<b>063/130</b>	B5							
	0.97	1021	2.0	1800		B5							
	0.73	1300	1.4	2400		B5							
	0.58	1573	1.0	3000		B5							

**CMM**

Motorreductores sinfín corona de doble reducción  
 Motoredutores de rosca sem fim combinados  
 Double reduction wormgearmotors

**60 Hz****Datos técnicos****Dados técnicos****Technical data**

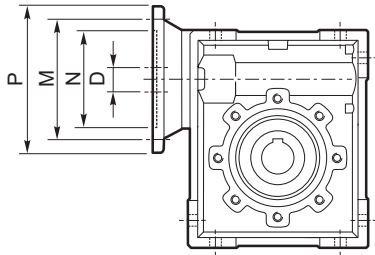
$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i			$P_1$ [kW]	$n_2$ [min <sup>-1</sup> ]	$M_2$ [Nm]	sf	i							
<b>0.55</b>							<b>0.75</b>											
(0.75 hp)	23	149	1.9	75	<b>CMM</b> <b>040/063</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>	(1.0 hp)	23	216	2.8	75	<b>CMM</b> <b>050/110</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>					
	18	194	1.5	100				18	282	2.3	100				18	282	2.3	100
71B4 (1750 min <sup>-1</sup> )	12	269	1.1	150				12	397	2.3	150				12	397	2.3	150
	23	151	2.2	75	<b>CMM</b> <b>040/070</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		8.8	515	2.3	200	<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>					
	18	197	1.7	100				7.0	626	2.1	250				7.0	626	2.1	250
	12	272	1.6	150				5.8	668	2.4	300				5.8	668	2.4	300
	8.8	343	1.1	200	<b>CMM</b> <b>040/075</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		4.4	849	1.7	400	<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>					
	23	151	2.2	75				3.5	1009	1.3	500				3.5	1009	1.3	500
	18	197	1.7	100				2.9	1242	1.1	600				2.9	1242	1.1	600
	12	276	1.7	150	<b>CMM</b> <b>040/090</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		2.3	1493	0.9	750	<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>					
	8.8	348	1.3	200				1.9	1697	0.9	900				7.0	642	2.5	250
	7.0	410	1.0	250				7.0	642	2.5	250				5.8	697	3.0	300
	5.8	454	1.2	300	<b>CMM</b> <b>040/090</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		4.4	887	2.0	400	<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>					
	4.4	555	0.8	400				3.5	1074	1.5	500				4.4	887	2.0	400
	12	284	1.7	150				2.9	1313	1.6	600				3.5	1074	1.5	500
	8.8	363	1.7	200	<b>CMM</b> <b>040/090</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		2.3	1580	1.3	750	<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>					
	7.0	435	1.6	250				1.9	1823	1.1	900				2.3	1580	1.3	750
	5.8	477	1.7	300				1.5	2269	0.9	1200				1.9	1823	1.1	900
	4.4	585	1.4	400	<b>CMM</b> <b>040/090</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		1.5	2269	0.9	1200	<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>					
	3.5	681	1.0	500				1.5	2269	0.9	1200				1.5	2269	0.9	1200
	2.9	885	0.8	600				1.5	2269	0.9	1200				1.5	2269	0.9	1200
	7.0	459	2.8	250	<b>CMM</b> <b>050/110</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>	<b>1.1</b>	(1.5 hp)	23	317	1.9	75	<b>CMM</b> <b>050/110</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>				
	5.8	490	3.1	300				18	413	1.5	100				18	413	1.5	100
	4.4	622	2.3	400				12	582	1.5	150				12	582	1.5	150
	3.5	740	1.7	500	<b>CMM</b> <b>050/110</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		8.8	755	1.5	200	<b>CMM</b> <b>050/110</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>					
	2.9	911	1.4	600				7.0	918	1.4	250				7.0	918	1.4	250
	2.3	1095	1.2	750				5.8	980	1.6	300				5.8	980	1.6	300
	1.9	1245	1.3	900	<b>CMM</b> <b>050/110</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		4.4	1245	1.2	400	<b>CMM</b> <b>050/110</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>					
	1.5	1544	1.0	1200				3.5	1480	0.9	500				3.5	1480	0.9	500
	3.5	787	2.0	500				12	596	2.7	150				12	596	2.7	150
	2.9	963	2.1	600	<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		8.8	774	2.3	200	<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>					
	2.3	1159	1.8	750				7.0	942	1.7	250				7.0	942	1.7	250
	1.9	1337	1.5	900				5.8	1022	2.0	300				5.8	1022	2.0	300
	1.5	1664	1.2	1200	<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		4.4	1301	1.4	400	<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>					
	1.2	1961	1.1	1500				3.5	1575	1.0	500				3.5	1575	1.0	500
	0.97	2246	0.9	1800				2.9	1925	1.1	600				2.9	1925	1.1	600
							2.3	2318	0.9	750		2.3	2318	0.9	750			
<b>1.5</b>							<b>1.5</b>											
					<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>	(2.0 hp)	23	443	2.5	75	<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>					
								18	577	2.0	100				18	577	2.0	100
								12	813	2.0	150				12	813	2.0	150
					<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		8.8	1056	1.7	200	<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>					
								7.0	1285	1.3	250				7.0	1285	1.3	250
								5.8	1394	1.5	300				5.8	1394	1.5	300
					<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		4.4	1774	1.0	400	<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>					
								4.4	1774	1.0	400				4.4	1774	1.0	400
								4.4	1774	1.0	400				4.4	1774	1.0	400
<b>2.2</b>							<b>2.2</b>											
					<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>	(3.0 hp)	23	650	1.7	75	<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>					
								18	847	1.4	100				18	847	1.4	100
								12	1193	1.4	150				12	1193	1.4	150
					<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>		8.8	1549	1.2	200	<b>CMM</b> <b>063/130</b>	<b>B5/B14</b> <b>B5/B14</b> <b>B5/B14</b>					
								7.0	1884	0.9	250				7.0	1884	0.9	250
								5.8	2044	1.0	300				5.8	2044	1.0	300



Motores Aplicables IEC

Motores aplicáveis

IEC Motor adapters



**N.B.** Las áreas grises indican los tamaño de los motores aplicables

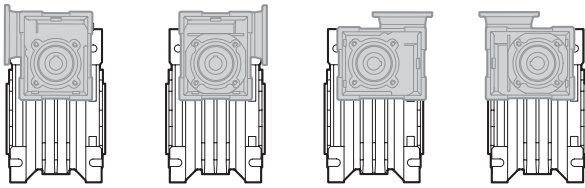
**N.B.** As áreas evidenciadas em cinza indicam a aplicabilidade da correspondente grandeza do motor.

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

**B/BS** = Casquillo de reducción en acero

**B/BS** = Bucha de redução em aço

**B/BS** = Metal shaft sleeve



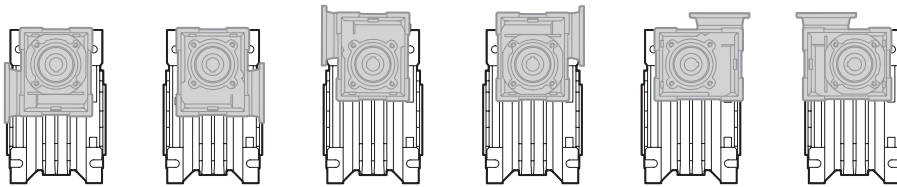
US1

US2

UV1

UV2

CMM	IEC	N	M	P	D	i <sub>1</sub>						
						10	15	20	30	40	50	60
026/026	56B14	50	65	80	9							



UB1

UB2

US1

US2

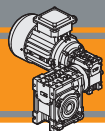
UV1

UV2

CMM	IEC	N	M	P	D	i <sub>1</sub>						
						10	15	20	30	40	50	60
026/030 026/040 026/050	56B14	50	65	80	9							

CMM





**CMM**

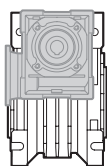
Motorreductores sinfín corona de doble reducción  
 Motoredutores de rosca sem fim combinados  
 Double reduction wormgearmotors

60 Hz

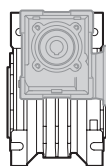
Motores Aplicables IEC

Motores aplicáveis

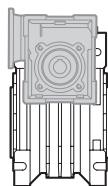
IEC Motor adapters



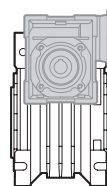
UB1



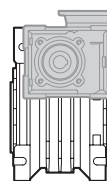
UB2



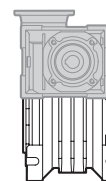
US1



US2



UV1



UV2

CMM	IEC	N	M	P	D	i <sub>1</sub>								
						7.5	10	15	20	25	30	40	50	60
030/040 030/050 030/063	63B5	95	115	140	11									
	63B14	60	75	90										
	56B5	80	100	120	9	B	B	B	B	B	B	B	B	
	56B14	50	65	80										
040/063 040/070 040/075 040/090	71B5 (*)	110	130	160	14									
	71B14	70	85	105										
	63B5	95	115	140	11	B	B	B	B	B	B	B		
	63B14	60	75	90										
	56B5	80	100	120	9	BS	BS	BS	BS	BS	BS	BS	B	B
	56B14	50	65	80										
050/110	80B5	130	165	200	19									
	80B14	80	100	120										
	71B5	110	130	160	14	B	B	B	B	B				
	71B14	70	85	105										
	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	B	B	B
	63B14	60	75	90										
063/130	90B5	130	165	200	24									
	90B14	95	115	140										
	80B5	130	165	200	19	B	B	B	B	B				
	80B14	80	100	120										
	71B5	110	130	160	14	BS	BS	BS	BS	BS	BS	B	B	B
	71B14	70	85	105										
	63B5	95	115	140	11							BS	BS	BS

N.B. Las áreas grises indican los tamaño de los motores aplicables

N.B. As áreas evidenciadas em cinza indicam a aplicabilidade da correspondente grandeza do motor.

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

B/BS = Casquillo de reducción en acero

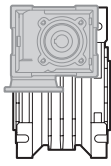
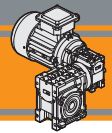
B/BS = Bucha de redução em aço

B/BS = Metal shaft sleeve

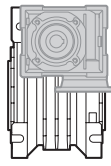
NOTA: la posición de montaje no está disponible para CMM 040/090.

(\*) NOTA : posição de montagem não disponível para CMM 040/090.

NOTE: assembly position not available for CMM 040/090.



UC1



UC2

CMM	IEC	N	M	P	D	i <sub>1</sub>								
						7.5	10	15	20	25	30	40	50	60
030/040 030/050	63B14	60	75	90	11									
	56B5	80	100	120	9	B	B	B	B	B	B	B	B	
	56B14	50	65	80										
030/063	63B5	95	115	140	11									
	63B14	60	75	90										
	56B5	80	100	120	9	B	B	B	B	B	B			
	56B14	50	65	80										
040/063 040/070 040/075 040/090	71B5	110	130	160	14									
	71B14	70	85	105										
	63B5	95	115	140	11	B	B	B	B	B	B			
	63B14	60	75	90										
	56B5	80	100	120	9	BS	BS	BS	BS	BS	BS	BS	B	B
	56B14	50	65	80										
050/110	80B14	80	100	120	19									
	71B5	110	130	160	14	B	B	B	B	B				
	71B14	70	85	105										
	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	B	B	B
	63B14	60	75	90										
063/130	90B14	95	115	140	24									
	80B14	80	100	120	19	B	B	B	B	B				
	71B5	110	130	160	14	BS	BS	BS	BS	BS	BS	B	B	B
	71B14	70	85	105										
	63B5	95	115	140	11							BS	BS	BS

N.B. Las áreas grises indican los tamaño de los motores aplicables

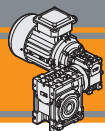
N.B. As áreas evidenciadas em cinza indicam a aplicabilidade da correspondente grandeza do motor.

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

B/BS = Casquillo de reducción en acero

B/BS = Bucha de redução em aço

B/BS = Metal shaft sleeve



**CMM**

Motorreductores sinfín corona de doble reducción  
 Motoredutores de rosca sem fim combinados  
 Double reduction wormgearmotors

60 Hz

Dimensiones

Dimensões

Dimensions

CMM..U - CMM..F...																	
	A	C	D <sub>H8</sub>	E	F	G	G1	H	H1	I	I1	K	L	M	N <sub>h8</sub>	N1	N2
026/026 (D11)	45	70	11	83	22	47.5	50	35	34	26	26	34	42	55	45	22.5	21
026/026			12														
026/026 (D14)			14														
026/030	54	80	14	97	32	47.5	63	40	34	30	26	44	56	65	55	29	21
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

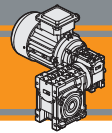
CMM..U - CMM..F...														
	O	P	Q	R	R1	S	T	V	Z	KE	a	b	t	Kg
026/026 (D11)	6	—	37	49	49	5	15	21	76	7	—	4	12.8	1.6
026/026												4	13.8	
026/026 (D14)												5	16.2	
026/030	6.5	75	44	57	49	5.5	22	27	81	M6x10(n.4)	90°	5	16.3	2.4
026/040	6.5	87	55	71.5	49	6.5	26	35	91.5	M6x8(n.4)	45°	6	20.8	3.5
026/050	8.5	98	64	84	49	7	30	40	100.5	M8x10(n.4)	45°	8	28.3	5.0

	CMM..F								CMM..F28						CMM..F30										
	a1	KA	KB	KC	KM	KN <sub>H8</sub>	KO	KP	KQ	KA	KB	KC	KM	KN <sub>H8</sub>	KO	KP	KQ	KA	KB	KC	KM	KN <sub>H8</sub>	KO	KP	KQ
026/026 (D11)	45°	45	6	4.5	55-69	40	6.5(n.4)	75	70	44	6.5	5	56-64	40	6.5	70	60	48	6.5	5	68	50	6.5	80	70
026/026																									
026/026 (D14)																									

	CMM..F								CMM..FB						CMM..FL										
	a1	KA	KB	KC	KM	KN <sub>H8</sub>	KO	KP	KQ	KA	KB	KC	KM	KN <sub>H8</sub>	KO	KP	KQ	KA	KB	KC	KM	KN <sub>H8</sub>	KO	KP	KQ
026/026	45°	45	6	4.5	55-69	40	6.5(n.4)	75	70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
026/030	45°	54.5	6	4	68	50	6.5(n.4)	80	70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
026/040	45°	67	7.5	4.5	80-95	60	9(n.4)	110	95	80	8.5	5	115-125	95	9.5(n.4)	140	112	97	7.5	4.5	80-95	60	9(n.4)	110	95
026/050	45°	90	9	5	90-110	70	11(n.4)	125	110	89	9	5	130-145	110	9.5(n.4)	160	132	120	9	5	90-110	70	11(n.4)	125	110

CMMIS						
	A	B	D1 <sub>j6</sub>	E	F	M
026/026	45	20	9	M4	3	10.2
026/030						
026/040						
026/050						



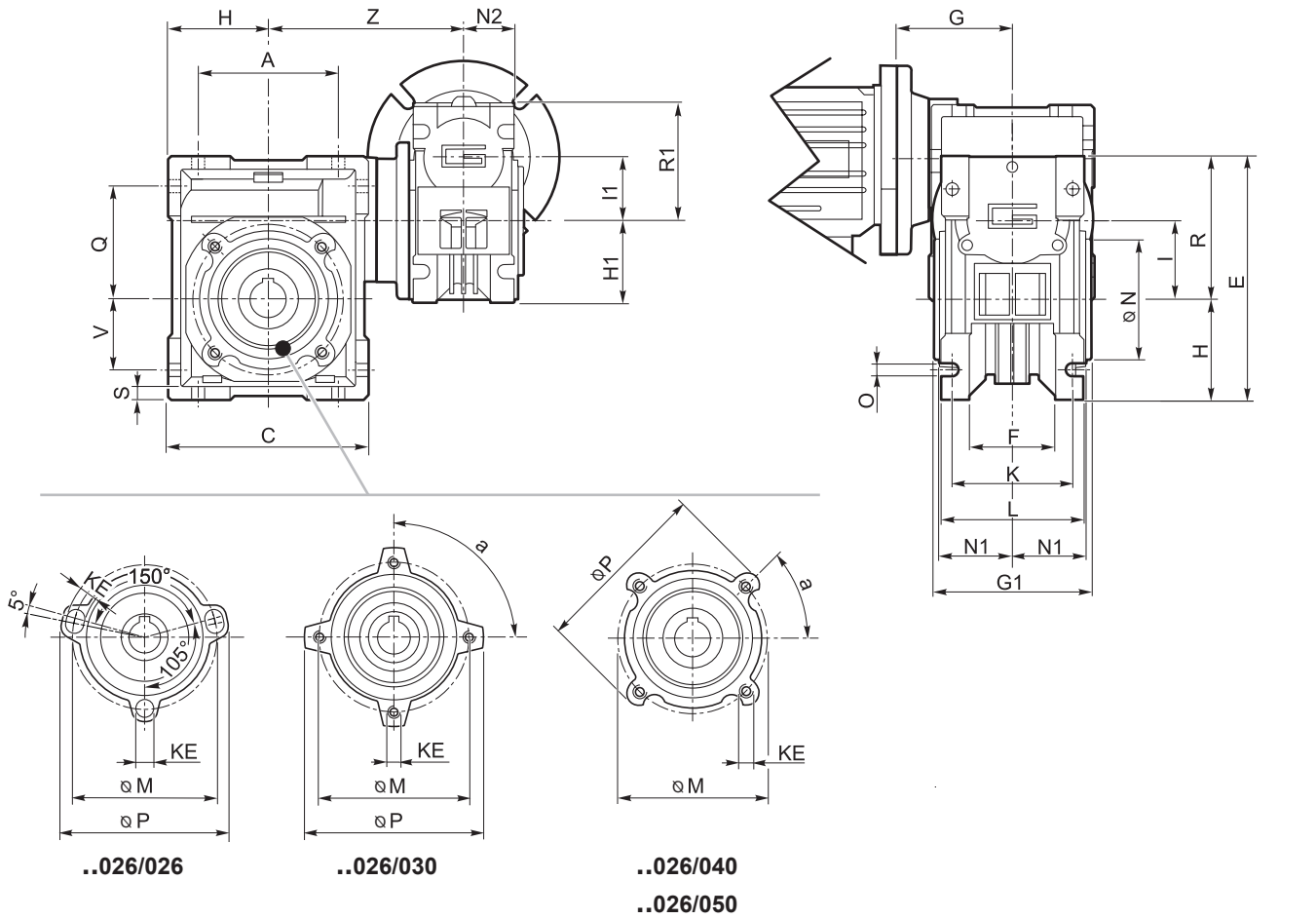


Dimensiones

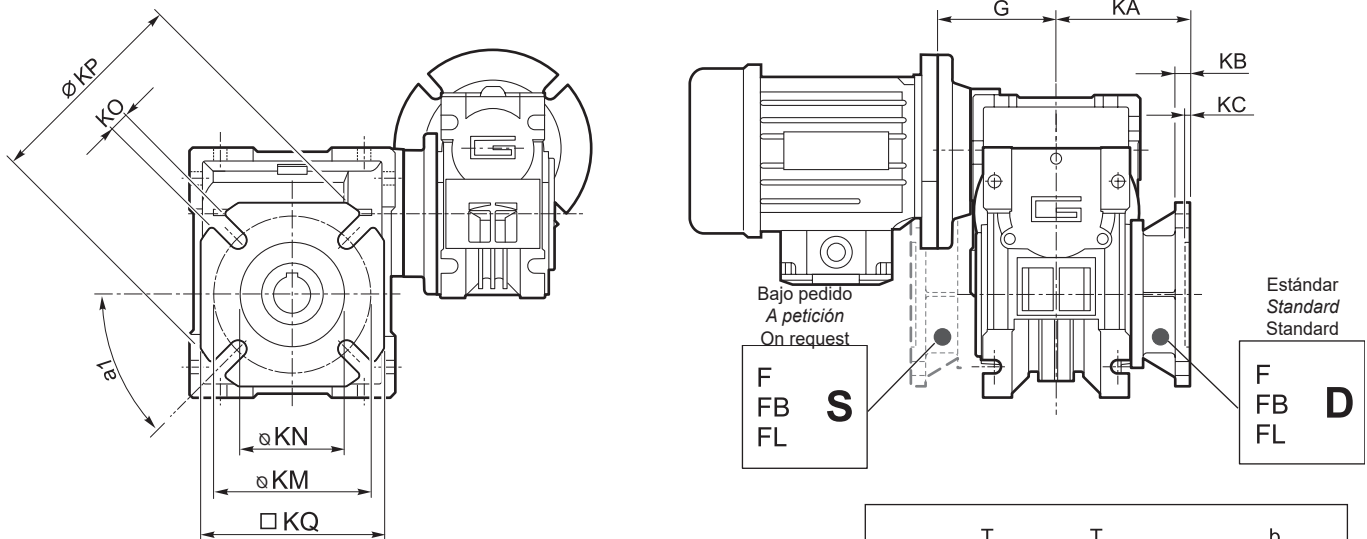
Dimensões

Dimensions

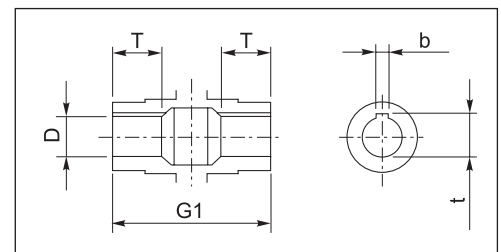
CMM026/..U



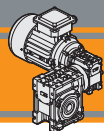
CMM



CMM026/026 F - F28 - F30  
 CMM026/..F - FB - FL



Eje de salida hueco  
 Eixo saída vazado  
 Hollow output shaft



**CMM**

Motorreductores sin fin corona de doble reducción  
 Motoredutores de rosca sem fim combinados  
 Double reduction wormgearmotors

60 Hz

Dimensiones

Dimensões

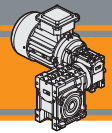
Dimensions

CMM.. - CMM..F - CMM..FB - CMM..FL																	
	A	C	D <sub>H8</sub>	E	F	G	G1	H	H1	I	I1	K	L	M	N <sub>H8</sub>	N1	N2
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
040/063	100	144	25	174	67	55	112	72	50	63	40	85	104	95	80	53	36.5
040/070	110	160	28	195	64	70	120	80	50	70	40	90	104	115	95	57	36.5
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
063/130	200	292.5	45	335	—	95	170	147.5	72	130	63	120	155	215	180	81	53

CMM.. - CMM..F - CMM..FB - CMM..FL															
	O	P	Q	R	R1	S	T	V	Z	KE	a	b	t	Kg	
030/040	6.5	87	55	71.5	57	6.5	26	35	122	M6x8(n.4)	45°	6	20.8 (21.8)	3.9	
030/050	8.5	98	64	84	57	7	30	40	132	M8x14(n.4)	45°	8	28.3 (27.3)	5.0	
030/063	8.5	110	80	102	57	8	36	50	145	M8x10(n.8)	45°	8	28.3	7.5	
040/063	8.5	110	80	102	71.5	8	36	50	155.5	M8x10(n.8)	45°	8	28.3	9.2	
040/070	9	130	91	115	71.5	9	40	55	160	M8x14(n.8)	45°	8	31.3	10.5	
040/075	11	140	93	119	71.5	10	40	60	165	M8x14(n.8)	45°	8	31.3	12.0	
040/090	13	160	102	135	71.5	11	45	70	182	M10x18(n.8)	45°	10	38.3	15.6	
050/110	14	200	125	167.5	84	14	50	85	225	M10x18(n.8)	45°	12	45.3	30.2	
063/130	16	250	140	187.5	102	15	60	100	245	M12x21(n.8)	45°	14	48.8	55.0	

	CMM..F								CMM..FB								CMM..FL								
	a1	KA	KB	KC	KM	KN <sub>H8</sub>	KO	KP	KQ	KA	KB	KC	KM	KN <sub>H8</sub>	KO	KP	KQ	KA	KB	KC	KM	KN <sub>H8</sub>	KO	KP	KQ
030/040	45°	67	7.5	4	80-95	60	9(n.4)	110	95	80	8.5	5	115-125	95	9.5(n.4)	140	112	97	7.5	4.5	80-95	60	9(n.4)	110	95
030/050	45°	90	9	5	90-110	70	11(n.4)	125	110	89	9	5	130-145	110	9.5(n.4)	160	132	120	9	5	90-110	70	11(n.4)	125	110
030/063	45°	82	10	6	150-160	115	11(n.4)	180	142	98	10	5	165-180	130	11(n.4)	200	160	112	10	6	150-160	115	11(n.4)	180	142
040/063	45°	82	10	6	150-160	115	11(n.4)	180	142	98	10	5	165-180	130	11(n.4)	200	160	112	10	6	150-160	115	11(n.4)	180	142
040/070	45°	111	13	6	165-180	130	14(n.4)	200	170	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
040/075	45°	111	13	6	165-180	130	14(n.4)	200	170	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
040/090	45°	111	13	6	175-190	152	14(n.4)	210	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
050/110	45°	131	15	6	230	170	14(n.8)	280	260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
063/130	22.5°	140	15	6	255	180	16(n.8)	320	290	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

CMMIS						
	A	B	D1 <sub>j6</sub>	E	F	M
030/040 030/050 030/063	51	20	9	M4	3	10.2
040/063 040/070 040/075 040/090	66	23	11	M5	4	12.5
050/110	76	30	14	M6	5	16
063/130	94.5	40	19	M6	6	21.5

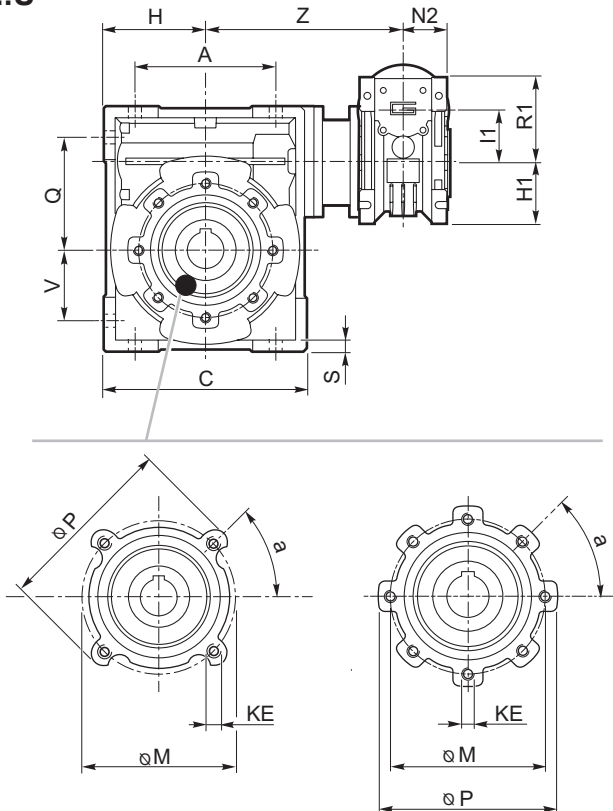


Dimensiones

Dimensões

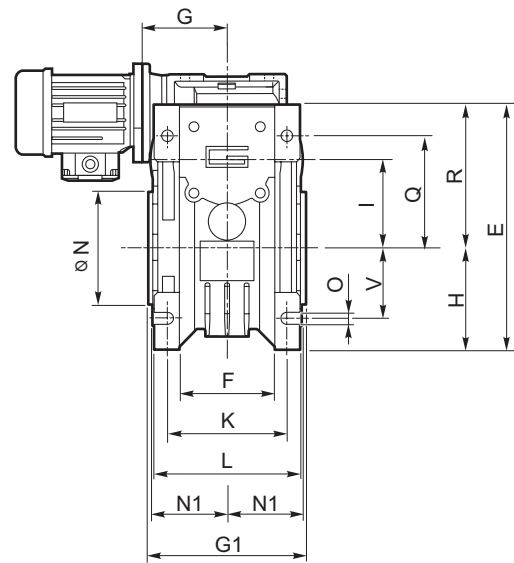
Dimensions

CMM..U

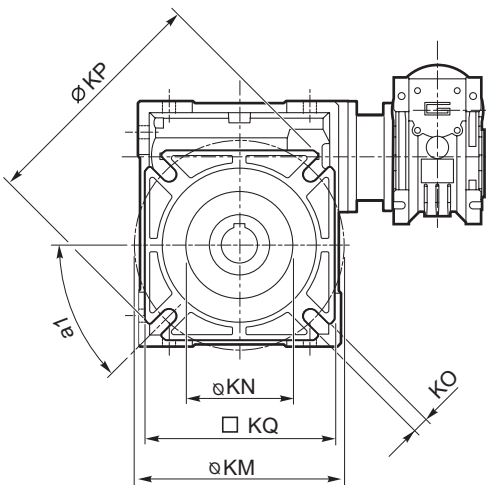


..030/040  
 ..030/050

..030/063 ..040/063  
 ..040/070 ..040/075  
 ..040/090 ..050/110  
 ..063/130



CMM



CMM..F (../030 - ../090)

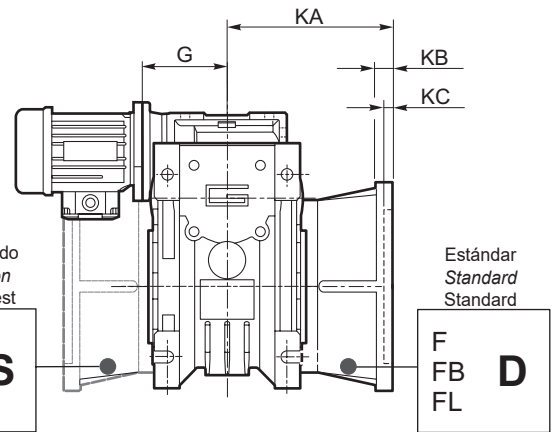
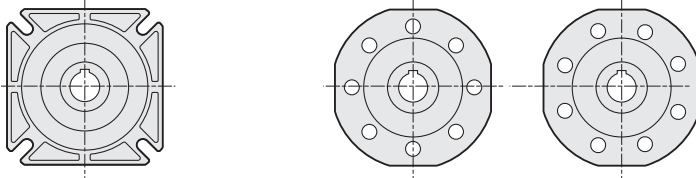
CMM..FB (../040 - ../063)

CMM..FL (../040 - ../063)

CMM..F

(../110

../130)

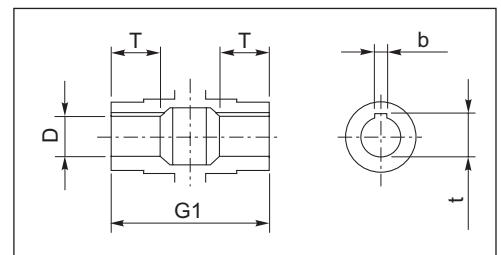


Bajo pedido  
 A petición  
 On request

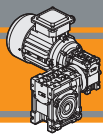
F  
 FB  
 FL **S**

Estándar  
 Standard  
 Standard

F  
 FB  
 FL **D**



Eje de salida hueco  
 Eixo saída vazado  
 Hollow output shaft



**CMM**

Motorreductores sinfín corona de doble reducción  
 Motores de rosca sem fim combinados  
 Double reduction wormgearmotors

60 Hz

Accesorios

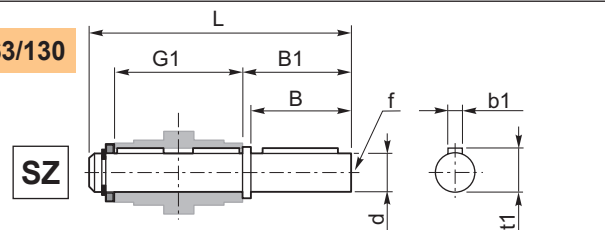
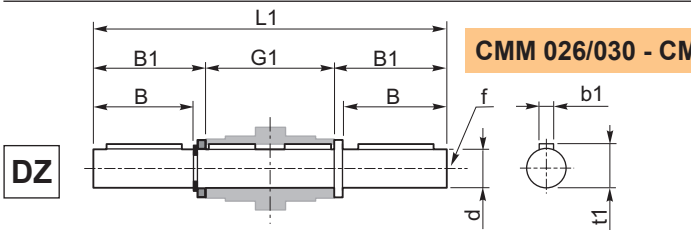
Acessórios

Accessories

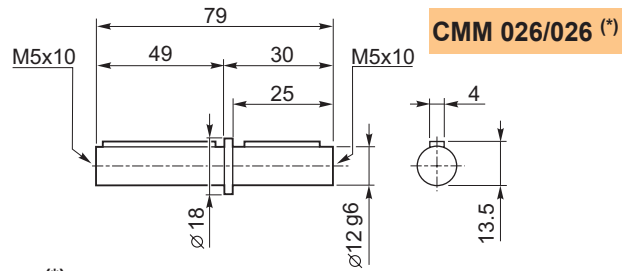
Eje de salida simple y doble

Eixo lenta simples e dupla

Single and double output shaft



CMM	d <sub>h7</sub>	B	B1	G1	L	L1	f	b1	t1
026/030	14	30	32.5	63	102	128	M6	5	16
026/040	18	40	43	78	128	164	M6	6	20.5
030/040	18	40	43	78	128	164	M6	6	20.5
026/050	25	50	53.5	92	153	199	M10	8	28
030/050	25	50	53.5	92	153	199	M10	8	28
030/063	25	50	53.5	112	173	219	M10	8	28
040/063	25	50	53.5	112	173	219	M10	8	28
040/070	28	60	63.5	120	192	247	M10	8	31
040/075	28	60	63.5	120	192	247	M10	8	31
040/090	35	80	84.5	140	234	309	M12	10	38
050/110	42	80	84.5	155	249	324	M16	12	45
063/130	45	80	85	170	265	340	M16	14	48.5

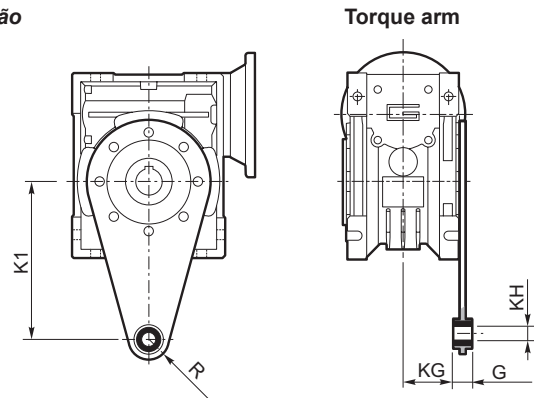


(\*)  
 Nota: disponible solo para eje de salida hueco Ø12  
 Note: disponível somente para eixo de saída oco de Ø12  
 Note: available for output hollow shaft Ø12 only

Brazo de reacción

Braço de reação

CMM	K1	G	KG	KH	R
026/030	85	14	23	8	15
026/040	100	14	31	10	18
030/040	100	14	31	10	18
026/050	100	14	38	10	18
030/050	100	14	38	10	18
030/063	150	14	47.5	10	18
040/063	150	14	47.5	10	18
040/070	200	25	46.5	20	30
040/075	200	25	46.5	20	30
040/090	200	25	56.5	20	30
050/110	250	30	62	25	35
063/130	250	30	69	25	35

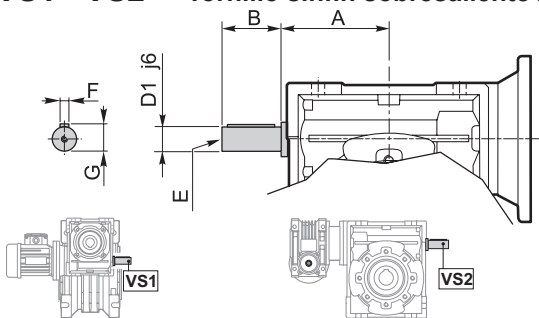


Opciones

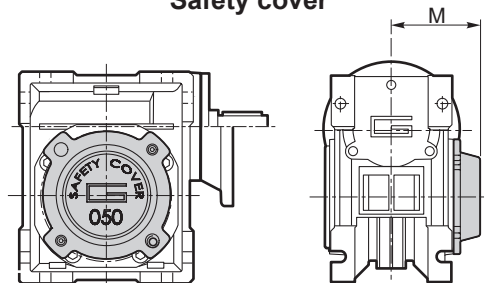
Opções

Options

VS1 - VS2 - Tornillo sinfín sobresaliente / Parafuso saliente / Extended input shaft



SC - Cubierta de seguridad  
 Tampa de proteção  
 Safety cover



CMM	VS1						VS2					
	A	B	D <sub>1</sub> j6	E	F	G	A	B	D <sub>1</sub> j6	E	F	G
026/030	—	—	—	—	—	—	45	20	9	M4	3	10.2
026/040	—	—	—	—	—	—	53	23	11	M5	4	12.5
026/050	—	—	—	—	—	—	64	30	14	M6	5	16
030/040	45	20	9	M4	3	10.2	53	23	11	M5	4	12.5
030/050	45	20	9	M4	3	10.2	64	30	14	M6	5	16
030/063	45	20	9	M4	3	10.2	75	40	19	M6	6	21.5
040/063	53	23	11	M5	4	12.5	75	40	19	M6	6	21.5
040/070	53	23	11	M5	4	12.5	84	40	19	M6	6	21.5
040/075	53	23	11	M5	4	12.5	90	50	24	M8	8	27
040/090	53	23	11	M5	4	12.5	108	50	24	M8	8	27
050/110	64	30	14	M6	5	16	135	60	28	M10	8	31
063/130	75	40	19	M6	6	21.5	—	—	—	—	—	—

M	CM								
	30	40	50	63	70	75	90	110	130
	47	54.5	62.5	73	75	79	94	102	117

Construido bajo pedido  
 Fabricado sob encomenda  
 Built on request

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