

### SERVO MOTOR 075U3D306BAAEA075140



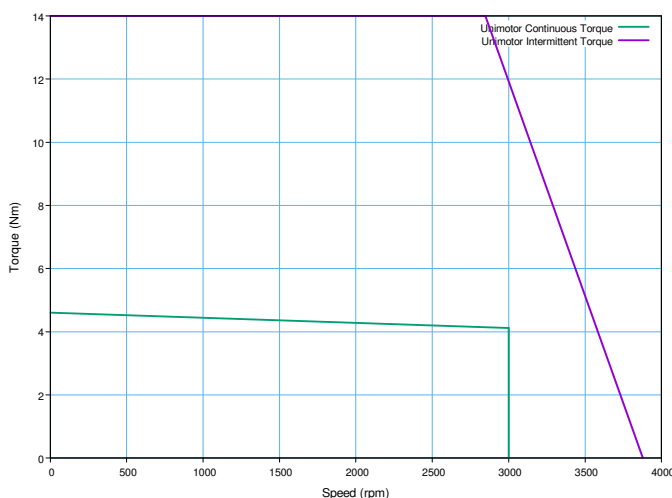
### Definition

Type	<b>Unimotor FM</b>	
Frame Size (mm)	<b>075</b>	
Voltage	<b>U</b>	U - 400V
Magnet type	<b>3</b>	3 - Standard
Frame Length	<b>D</b>	
Speed (min-1)	<b>30</b>	3000
Brake	<b>6</b>	Braked (6)
Connection type	<b>B</b>	B - Power and Signal 90° rotatable
Output shaft	<b>A</b> Key	
Feedback device code	<b>AE</b>	AE - Resolver (Size 52)
Inertia & thermistor	<b>A</b> A - Standard	
PCD	<b>075</b> 075 (FF 75 / 60)	
Shaft Diameter	<b>140</b> 14j6 x 30,0 .	
Fan box	<b>-</b>	
Classe d'isolation	<b>F</b>	
UL Motor / UL Stator	<b>UL Motor / UL Stator</b>	

### Nominal characteristics

Motor Ambient Temperature (°C)	40	Drive Fsw (kHz)	12	
Motor Stall Torque (N.m)	4,70	Stall Current (A)	2,90	
Rated Torque (N.m)	4,20	Rated Current (A)	2,6	
Motor Peak Torque (N.m)	14,00	Peak Current for Drive Selection (A)	8,75	
Rated Power (kW)	1,30	Kt (Nm/A)	1,60	
Winding Thermal Time Constant (s)	78	Ke (V/kmin-1)	98,00	
Number of Poles	6	R (ph-ph) (Ohm)	7,81	
Maximum Cogging (N.m)	0.14	L (ph-ph) (mH)	23,89	
Inertia (kg.cm <sup>2</sup> )	2,12	Peso del prodotto	6,47	
Ingress Protection Level (IP)	IP65			
Brake	<b>Braked (6)</b>		Static Torque (N.m)	2,0
Release Time (ms)	64	Backlash (°)	0,75	
Brake Supply Voltage (V)	24	Brake Coil Power (W)	11,6	

### Torque / speed graph

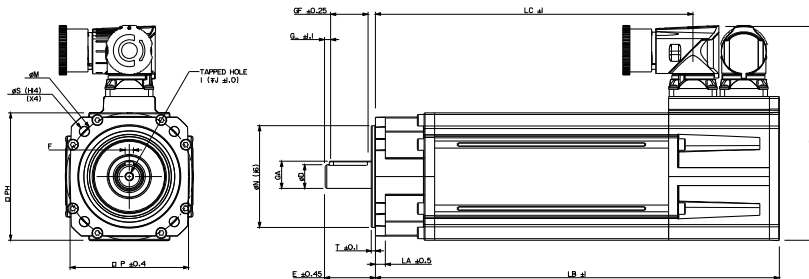


### Configured characteristics

Motor Ambient Temperature (°C)	40
Drive Fsw (kHz)	8
Derating Factor	0,98
Stall Torque with Derating Factor (N.m)	4,61
Nominal Torque after Derating (N.m)	4,12
Peak Torque with Derating Factor (N.m)	14,00

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#### Motor (° & mm)



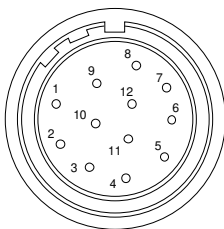
LB	Total length	328,20
LB1		
LC	Power connector position	277,20
LJ		
LA	Flange thickness	5,8
T	Register Length	2,4
N	Register Diameter	60,0
LD	Power connector overall height	135,50
LD1		
P	Flange Square	70,0
S	Fixing Hole Diameter	5,8
M	Fixing hole PCD	66,7 - 75
PH	Motor Housing Width	75
D	Shaft Diameter	14j6
E	Shaft Length	30,0
GA	Key Height	16,0
GF	Key Length	25,0
G	Key to Shaft End	1,5
F	Key Width	5
I	Tapped Hole Thread Size	M5x0.8
J	Tapped Hole Depth	13,5
	Mounting Bolt	M5

#### Motor electrical interface

Feedback device code : AE - Resolver (Size 52)

Connection type :  
Section des fils :

B - Power and Signal 90° rotatable  
4G1 + 2x 0.5



- 1 - Excit
- 2 - Excit /
- 3 - COS
- 4 - COS /
- 5 - SIN
- 6 - SIN /
- 7 - CTP
- 8 - CTP
- Screen

- U - Phase U
- V - Phase V
- W - Phase W
- Screen

- B+ Brake +
- B- Brake -

