

Enquiry N°: 2600

Created by: SB / Approved by: FA

SERVO MOTOR 067UDA600BFEGA075110

067UDA600BFEGA075110



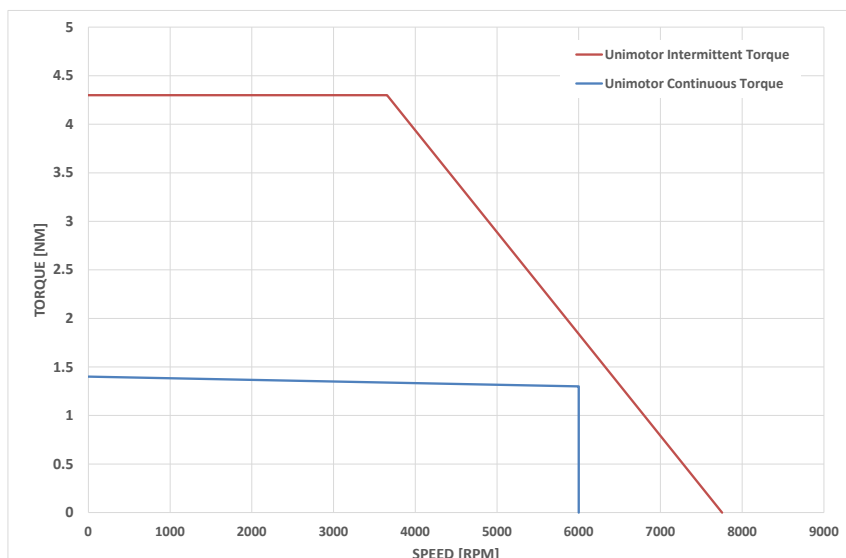
Definition

Type	Unimotor HD	
Frame Size (mm)	067	
Voltage	U	400 V
Magnet type	D	High Dynamic
Frame Length	A	
Speed (min-1)	60	6000
Brake	0 Unbraked	
Connection type	B Power and Signal 90° rotatable (Size 1)	
Output shaft	F Full key & half key supplied in bag	
Feedback device code	EG Inductive Multi-Turn EnDat 2.2/22 (EQI 1131 FS)	
Inertia & thermistor	A Standard inertia + PTC thermistor	
PCD (Gearbox)	075 075 (FF 75 / 60)	
Shaft Diameter (Gearbox)	110 11j6 x 23.0	
Fan Box	-	
Insulation class	F	
UL Motor / UL Stator	UL Motor / UL Stator	

Nominal characteristics

Motor Ambient Temperature (°C)	40	Drive Fsw (kHz)	12
Motor Stall Torque (Nm)	1.4	Stall Current (A)	2
Rated Torque (Nm)	1.3	Nominal Current (A)	1.62
Motor Peak Torque (Nm)	4.3	Kt (Nm/A)	0.8
Rated Power (kW)	0.8	Ke (V/kmin-1)	49.0
Winding Thermal Time Constant (s)	54	R (ph-ph) (Ohm)	11.7
Number of Poles	10	L (ph-ph) (mH)	35.2
Typical Cogging (Nm)	0.02		
Inertia (kg.cm ²)	0.30	Weight (kg)	2.0
Ingress Protection Level (IP)	IP65		

Torque / speed graph

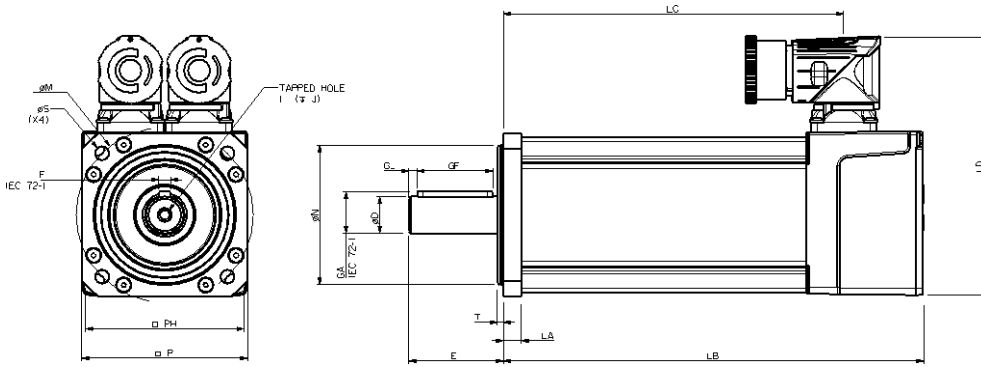


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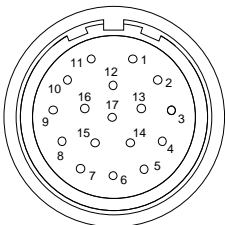
Motors (° & mm)



LB	Total length	142.9
LJ	Hybrid Box position	109.0
LA	Flange thickness	7.7
T	Register Length	2.5
N	Register Diameter	60.0
LD	Connector overall height	111.5
P	Flange Square	70.0
S	Fixing Hole Diameter	5.8
M	Fixing hole PCD	75.0
PH	Motor Housing Width	67.0
D	Shaft Diameter	11j6
E	Shaft Length	23.0
GA	Key Height	12.5
GF	Key Length	14.0
G	Key to Shaft End	3.6
F	Key Width	4.0
I	Tapped Hole Thread Size	M4 x 0.7
J	Tapped Hole Depth	11.0
	Mounting Bolt	M5

Motor electrical interface:

Feedback device code: EG - Inductive Multi-Turn EnDat 2.2/22 (EQI 1131 FS)



- | | |
|------------------|------------|
| 1 - Thermistor - | 10 - - |
| 2 - Thermistor + | 11 - DATA |
| 3 - Screen | 12 - DATA/ |
| 4 - - | 13 - - |
| 5 - - | 14 - - |
| 6 - - | 15 - - |
| 7 - - | 16 - Power |
| 8 - CLOCK | 17 - 0V |
| 9 - CLOCK/ | Screen |

Connection type: B - Power and Signal 90° rotatable (Size 1)

