

SERVO MOTOR – 067UDA300BACRA075110

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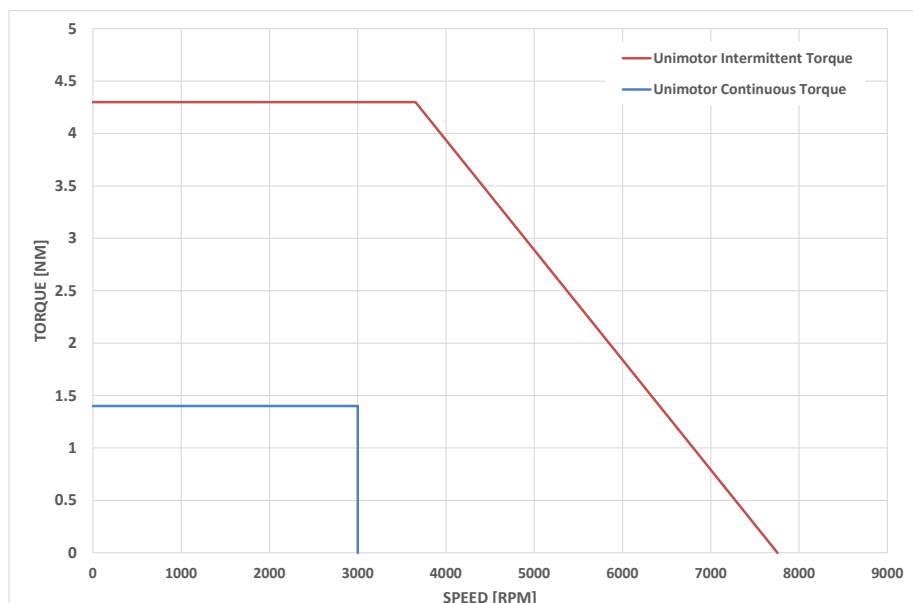
Definition

Type	Unimotor HD	
Frame Size (mm)	067	
Voltage	U	400 V
Magnet type	D	High Dynamic
Frame Length	A	
Speed (min ⁻¹)	30	3000
Brake	0	Unbraked
Connection type	B	Power and Signal 90° rotatable (size 1)
Output shaft	A	With output key
Feedback device code	CR	4096 ppr Incremental encoder (R35i)
Inertia & thermistor	A	Standard inertia + PTC thermistor
PCD	075	075 (FF 75 / 60)
Shaft Diameter	110	11j6 x 23.0
Fan Box	-	
Insulation class	F	
UL Motor / UL Stator	UL Motor / UL Stator	

Nominal characteristics

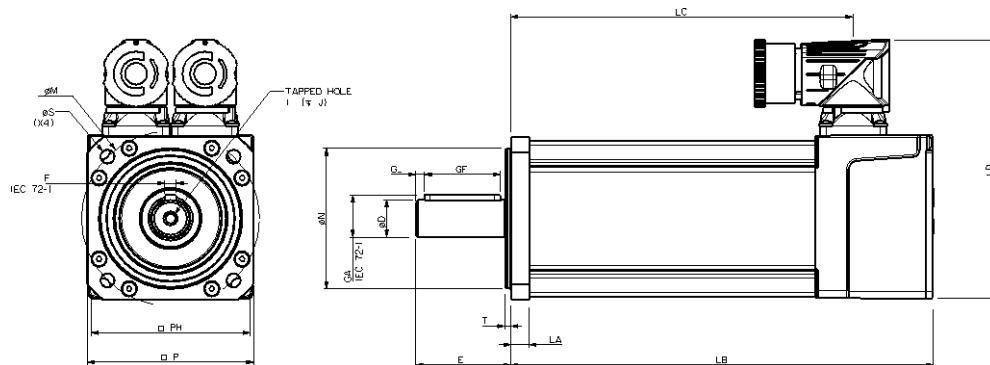
Motor Ambient Temperature (°C)	40	Drive Fsw (kHz)	12
Motor Stall Torque (N.m)	1.4	Stall Current (A)	1.8
Rated Torque (N.m)	1.4	Nominal Current (A)	1.75
Motor Peak Torque (N.m)	4.3	Kt (Nm/A)	0.8
Rated Power (kW)	0.4	Ke (V/kmin ⁻¹)	49.0
Winding Thermal Time Constant (s)	54	R (ph-ph) (Ohm)	11.7
Number of Poles	10	L (ph-ph) (mH)	35.2
Typical Cogging (N.m)	0.02		
Inertia (kg.cm ²)	0.30	Weight (kg)	2.0
Ingress Protection Level (IP)	IP65		

Torque / speed graph



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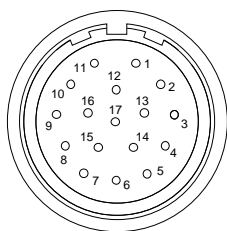
Motors (° & mm)



LB	Total length	142.9
LC	Power connector 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 Connectors option:

Feedback device code: CR - 4096 ppr Incremental encoder (R35i)



- | | |
|------------------|------------|
| 1 - Thermistor - | 10 - A |
| 2 - Thermistor + | 11 - Z |
| 3 - | 12 - Z/ |
| 4 - U | 13 - A/ |
| 5 - U/ | 14 - B |
| 6 - V | 15 - B/ |
| 7 - V/ | 16 - Power |
| 8 - W | 17 - 0 V |
| 9 - W/ | Screen |

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

