

Enquiry N°: 1858

Created by: DB / Approved by: WT

SERVO MOTOR - 067UDB306BFCRA

067UDB306BFCRA



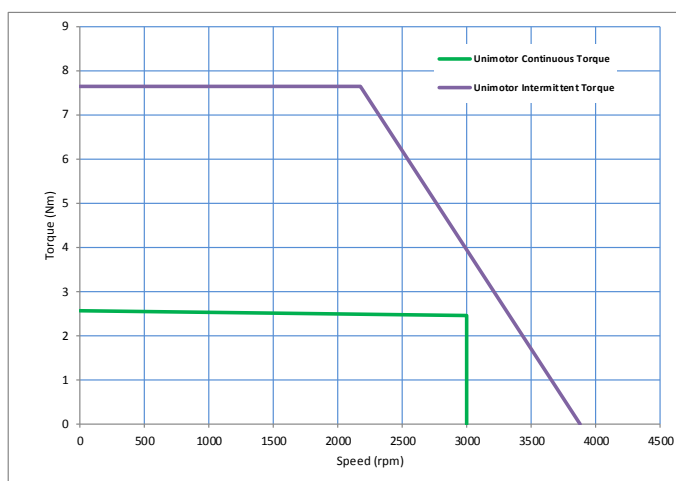
Definition

Type	Unimotor HD	
Frame Size (mm)	067	
Voltage	U	400 V
Magnet type	D	High Dynamic
Frame Length	B	
Speed (min ⁻¹)	30	3000
Brake	6	Braked
Connection type	B	Power and Signal 90° rotatable (Size 1)
Output shaft	F	Half key and full key supplied in bag
Feedback device code	CR	4096 ppr Incremental encoder (R35i)
Inertia & thermistor	A	Standard inertia + PTC thermistor
PCD	075	075 (FF 75 / 60)
Shaft Diameter	140	14j6 x 30.0
Fan Box	-	
Insulation class	F	
UL Motor / UL Stator	UL Motor / UL Stator	

Nominal characteristics

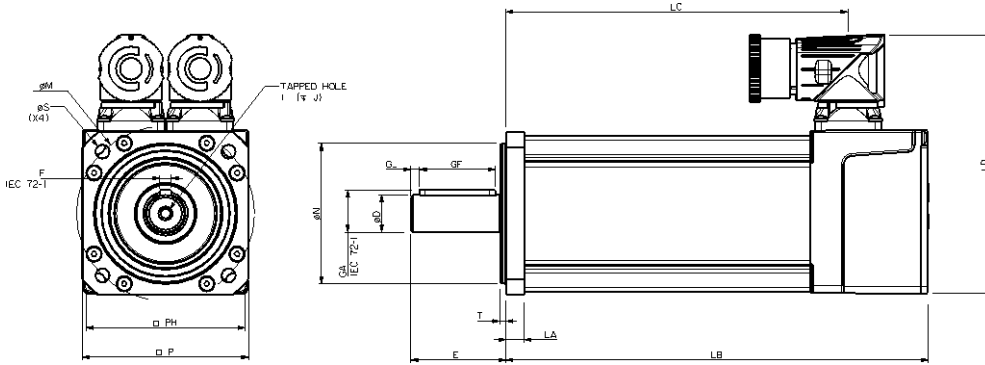
Motor Ambient Temperature (°C)	40	Drive Fsw (kHz)	12
Motor Stall Torque (N.m)	2.55	Stall Current (A)	1.59
Rated Torque (N.m)	2.45	Nominal Current (A)	1.53
Motor Peak Torque (N.m)	7.65	Kt (Nm/A)	1.6
Rated Power (kW)	0.77	Ke (V/kmin ⁻¹)	98.0
Winding Thermal Time Constant (s)	61	R (ph-ph) (Ohm)	15.2
Number of Poles	10	L (ph-ph) (mH)	54.2
Maximum Cogging (N.m)	0.04		
Inertia (kg.cm ²)	0.55	Weight (kg)	3.3
Ingress Protection Level (IP)	IP65		
Brake	Type 6	Static Torque (N.m)	2
Release Time (ms)	65	Backlash (°)	1.64
Brake Supply Voltage (V)	24	Brake Coil Power (W)	15

Torque / speed graph



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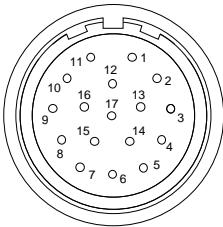
Motors (° & mm)



LB	Total length	207.9
LC	Power connector position	174.0
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	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	5.0
I	Tapped Hole Thread Size	M5 x 0.8
J	Tapped Hole Depth	13.5
	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)

