

SERVO MOTOR 115UDB300BFCAA115190-JSAA

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HIGH INERTIA MOTOR, 115 PCD MOUNTING HOLES, Ø19 x 40mm OUTPUT SHAFT



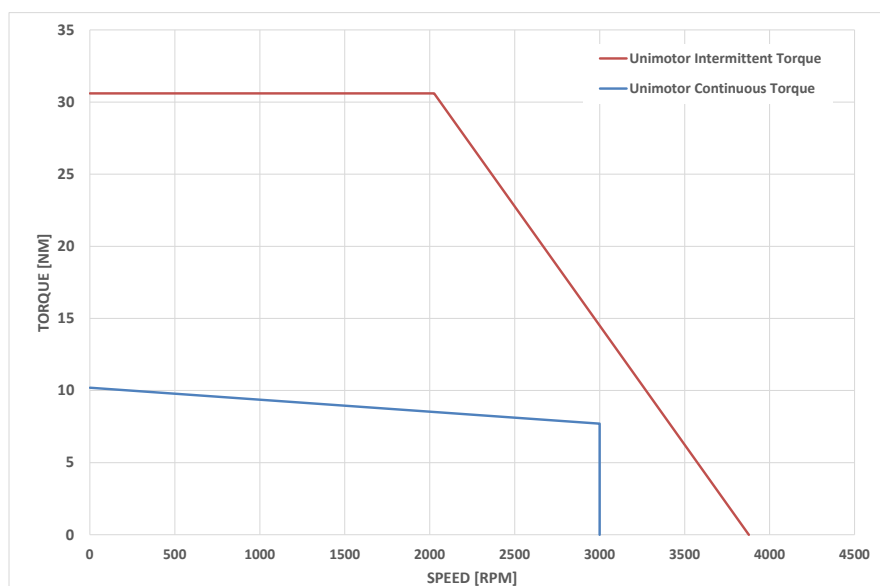
Definition

Type	Unimotor HD	
Frame Size (mm)	115	
Voltage	U	400 V
Magnet type	D	High Dynamic
Frame Length	B	
Speed (min ⁻¹)	30	3000
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	CA	4096 ppr Incremental encoder (CFS50)
Inertia & thermistor	A-JSAA	High inertia + PTC thermistor
PCD	115	115 (FF 115 / 95)
Shaft Diameter	190	19j6 x 40.0
Fan Box	-	
Insulation class	F	
UL Motor / UL Stator	UL Motor / UL Stator	

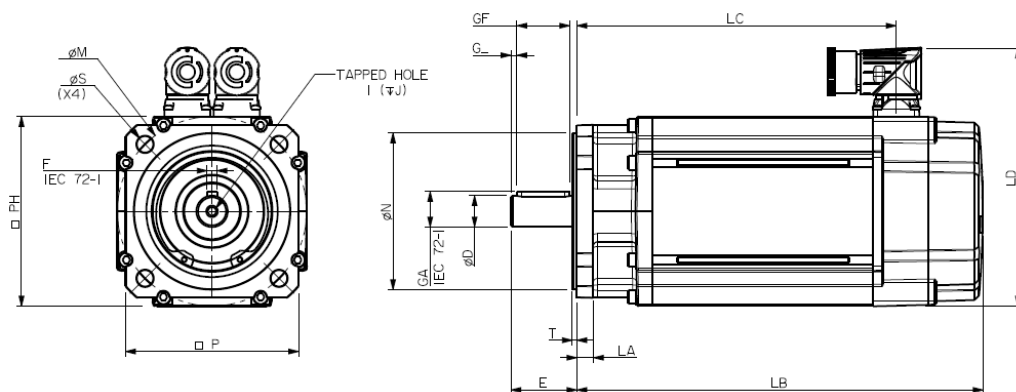
Nominal characteristics

Motor Ambient Temperature (°C)	40	Drive Fsw (kHz)	12
Motor Stall Torque (N.m)	10.2	Stall Current (A)	6
Rated Torque (N.m)	7.7	Nominal Current (A)	4.8
Motor Peak Torque (N.m)	30.6	Kt (Nm/A)	1.6
Rated Power (kW)	2.4	Ke (V/kmin ⁻¹)	98.0
Winding Thermal Time Constant (s)	164	R (ph-ph) (Ohm)	1.9
Number of Poles	10	L (ph-ph) (mH)	18.0
Maximum Cogging (N.m)	0.15		
Inertia (kg.cm ²)	10.8	Weight (kg)	8.3
Ingress Protection Level (IP)	IP65		

Torque / speed graph



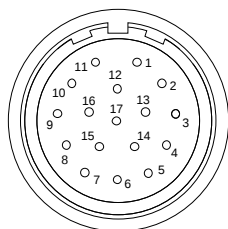
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Motors ($^{\circ}$ & *mm*)

LB	Total length	269.5
LC	Connector position	216.7
LA	Flange thickness	10.1
T	Register Length	2.8
N	Register Diameter	95.0
LD	Connector overall height	156.5
P	Flange Square	105.0
S	Fixing Hole Diameter	10.0
M	Fixing hole PCD	115.0
PH	Motor Housing Width	115.0
D	Shaft Diameter	19j6
E	Shaft Length	40.0
GA	Key Height	21.5
GF	Key Length	32.0
G	Key to Shaft End	3.6
F	Key Width	6.0
I	Tapped Hole Thread Size	M6 x 1.0
J	Tapped Hole Depth	17.0
	Mounting Bolt	M8

Motor electrical interface Connectors option:

Feedback device code: CA – 4096 ppr Incremental encoder (CFS50)



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)

