

Enquiry N°: 2456 Created by: DB / Approved by: EG

SERVO MOTOR 115UDB300BACAA115190-SSAA

115UDB300BACAA115190-SSAA

115 PCD EXTENDED FEF, Ø19 x 40mm OUTPUT SHAFT (motor derated - torque output from motor limited by output shaft diameter)



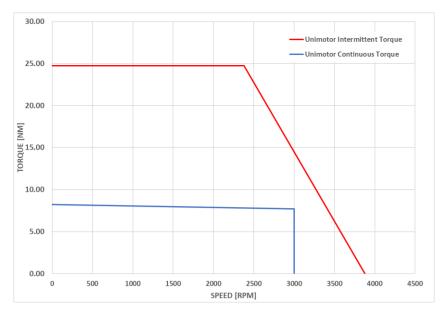
Data sheet

Date : 24 June 24 (v1)

Definition				
Туре	Unimotor HD			
Frame Size (mm)	115			
Voltage	U	400 V		
Magnet type	D	High Dynamic		
Frame Length	В			
Speed (min ⁻¹)	30	3000		
Brake	0	Unbraked		
Connection type	В	Power and Signal 90° rotatable (Size 1)		
Output shaft	Α	With output key		
Feedback device code	CA	4096 ppr Incremental encoder (CFS50)		
Inertia & thermistor	Α	High inertia + PTC thermistor		
PCD	115	115 (FF 115 / 95)		
Shaft Diameter	190	19j6 x 40.0 (torque output from motor limited by output shaft dia)		
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)	8.25	Stall Current (A)	5.2	
Rated Torque (N.m)	7.7	Nominal Current (A)	4.8	
Motor Peak Torque (N.m)	24.8	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	
Typical Cogging (N.m)	0.15			
Inertia (kg.cm ²)	4.41	Weight (kg)	6.9	
Ingress Protection Level (IP)	IP65			

Torque / speed graph



Version V1.0

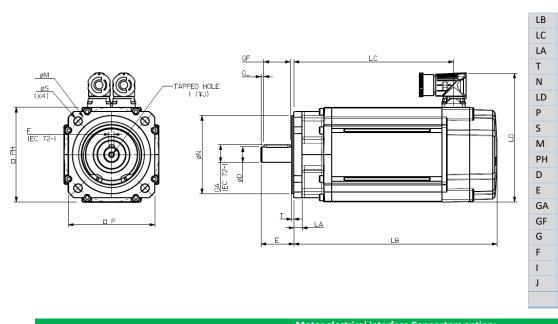
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SERVO MOTOR 115UDB300BACAA115190-SSAA Motors (° & mm)

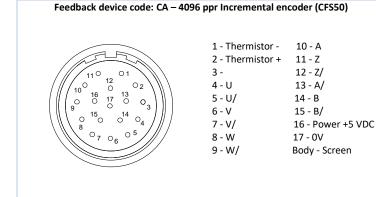


LB	Total length	239.5
LC	Power connector position	186.7
LA	Flange thickness	10.1
Т	Register Length	2.8
Ν	Register Diameter	95.0
LD	Connector overall height	156.5
Р	Flange Square	105.0
S	Fixing Hole Diameter	10.0
М	Fixing hole PCD	115.0
PH	Motor Housing Width	115.0
D	Shaft Diameter	19j6
Е	Shaft Length	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

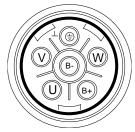
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Motor electrical interface Connectors option:



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



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