

Enquiry N°: 2579 Created by: SB/ Approved by: FA

SERVO MOTOR 115UDC200BACAA115190-SSAA

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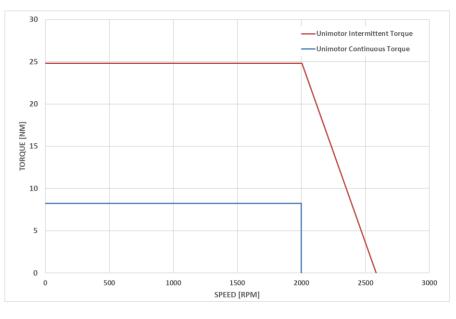
115 PCD EXTENDED FEF, Ø19 x 40mm OUTPUT SHAFT (motor derated - torque output from motor limited by output shaft diameter)



Definition				
Туре	Unimotor HD			
Frame Size (mm)	115			
Voltage	U	400 V		
Magnet type	D	High Dynamic		
Frame Length	С			
Speed (min ⁻¹)	20	2000		
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	Standard 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)	3.44	
Rated Torque (N.m)	8.25	Nominal Current (A)	3.44	
Motor Peak Torque (N.m)	24.8	Kt (Nm/A)	2.4	
Rated Power (kW)	2.5	Ke (V/kmin ⁻¹)	147	
Winding Thermal Time Constant (s)	168	R (ph-ph) (Ohm)	2.4	
Number of Poles	10	L (ph-ph) (mH)	24.7	
Typical Cogging (N.m)	0.22			
Inertia (kg.cm ²)	6.39	Weight (kg)	8.6	
Ingress Protection Level (IP)	IP65			

Torque / speed graph



Version V1.0

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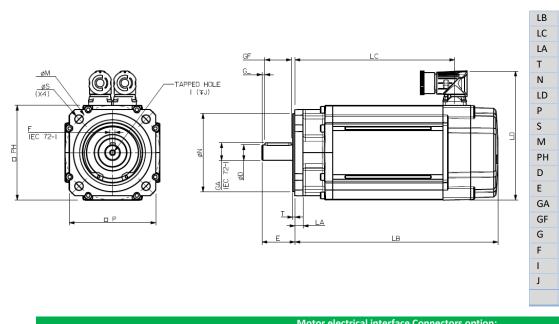
Data sheet

Date : 06 Feb 25 (v1)



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SERVO MOTOR 115UDC200BACAA115190-SSAA Motors (° & mm)

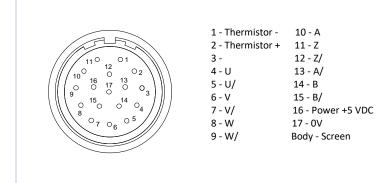


Total length 269.5 Power connector position 216.7 10.1 Flange thickness **Register Length** 2.8 **Register Diameter** 95.0 Connector overall height 156.5 Flange Square 105.0 **Fixing Hole Diameter** 10.0 Fixing hole PCD 115.0 Motor Housing Width 115.0 Shaft Diameter 19j6 Shaft Length 40.0 Key Height 21.5 Key Length 32.0 Key to Shaft End 3.6 Key Width 6.0 Tapped Hole Thread Size M6 x 1.0 Tapped Hole Depth 17.0 Mounting Bolt M8

Data sheet

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Motor electrical interface Connectors option:



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



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