

Enquiry N°: 2604 Created by: SB / Approved by: FA

## SERVO MOTOR 115EDC300BAAEA115190-JSAA

## 115EDC300BAAEA115190-JSAA

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



Data sheet

Date : 04 Mar 25 (v1)

Definition				
Туре	Unimotor HD			
Frame Size (mm)	115			
Voltage	E	220 V		
Magnet type	D	High Dynamic		
Frame Length	С			
Speed (min <sup>-1</sup> )	30	3000		
Brake	0	Unbraked		
Connection type	В	Power and Signal 90° rotatable (size 1)		
Output shaft	Α	With output key		
Feedback device code	AE	Resolver (Size 52)		
Inertia & thermistor	A-JSAA	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)	9.17		
Rated Torque (N.m)	8.25	Nominal Current (A)	9.17		
Motor Peak Torque (N.m)	24.75	Kt (Nm/A)	0.9		
Rated Power (kW)	2.6	Ke (V/kmin <sup>-1</sup> )	57.0		
Winding Thermal Time Constant (s)	168	R (ph-ph) (Ohm)	0.4		
Number of Poles	10	L (ph-ph) (mH)	4.0		
Typical Cogging (N.m)	0.22				
Inertia (kg.cm²)	13.70	Weight (kg)	10.3		
Ingress Protection Level (IP)	IP65				



Version V1.0

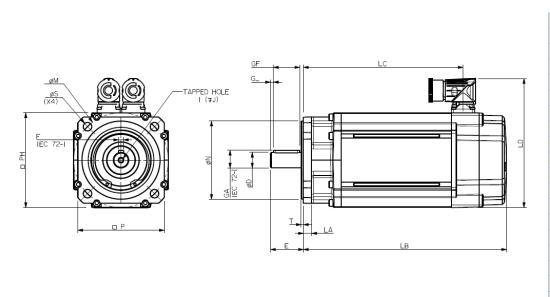
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## SERVO MOTOR 115EDC300BAAEA115190-JSAA Motors (° & mm)



LB	Total length	276.5	
LC	Connector position	246.7	
LA	Flange thickness	10.1	
Т	Register Length	2.8	
Ν	Register Diameter 95.		
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		
1	Tapped Hole Thread Size M6 x 1.0		
J	Tapped Hole Depth 17.0		
	Mounting Bolt	M8	

Motor electrical interface Connectors option:

Feedback device coo	le: AE – Resolver (	Size 52)	Connection type: B – Power and Signal 90° rotatable (Size 1)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1 - Excit 2 - Excit/ 3 - COS 4 - COS/ 5 - SIN 6 - SIN/	7 - Thermistor + 8 - Thermistor - 9 - 10 - 11 - 12 - Screen	

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