DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Single-Phase Start Capacitor

Product code : 10502538
Catalog # : PCJ115

Frame	: L56J	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 70 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +50°C
Rated voltage	: 115/230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 17.7/8.85 A	Protection degree	: IP21
L. R. Amperes	: 104/52.2 A	Cooling method	: IC01 - ODP
LRC	: 5.9x(Code K)	Mounting	: F-1
No load current	: 10.5/5.25 A	Rotation¹	: CCW
Rated speed	: 3450 rpm	Noise level²	: 58.0 dB(A)
Slip	: 4.17 %	Starting method	: Direct On Line
Rated torque	: 0.316 kgfm	Approx. weight³	: 13.5 kg
Locked rotor torque	: 130 %		
Breakdown torque	: 210 %		
Insulation class	: B		
Service factor	: 1.10		
Moment of inertia (J)	: 0.0015 kgm²		

Output	25%	50%	75%	100%
Efficiency (%)	63.5	64.5	69.0	69.6
Power Factor	0.35	0.61	0.72	0.79

Foundation loads

Max. traction

Max. compression

		Drive end	Non drive end
Bearing type	:	6203 2RS	6203 2RS
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes

This revision replaces and cancel the previous one, which must be eliminated.
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(3) Approximate weight subject to changes after manufacturing process.
(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	28/06/2022		1 / 1	

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