

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Pool Spa Pump Single-Phase Start Capacitor

Product code : 10715265

Catalog # : PCJ107

Frame : K56J
Output : 0.75 HP (0.55 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 115/230 V
Rated current : 10.2/5.10 A
L. R. Amperes : 54.1/27.0 A
LRC : 5.3x(Code K)
No load current : 7.70/3.85 A
Rated speed : 3465 rpm
Slip : 3.75 %
Rated torque : 1.14 ft.lb
Locked rotor torque : 140 %
Breakdown torque : 260 %
Insulation class : B
Service factor : 1.30
Moment of inertia (J) : 0.0233 sq.ft.lb

Locked rotor time : 10s (cold) 6s (hot)
Temperature rise : 70 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +50°C
Altitude : 1000 m.a.s.l.
Protection degree : IP21
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : CCW
Noise level² : 58.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 22.3 lb

Output	25%	50%	75%	100%
Efficiency (%)	52.1	55.0	62.5	66.2
Power Factor	0.30	0.53	0.63	0.72

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		Page Revision 1 / 1		
Checked by				
Date	27/03/2024			