

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Pool Spa Pump Single-Phase Start Capacitor

Product code : 10674691

Catalog # : PCJ105H

Frame : K56J
 Output : 0.5 HP (0.37 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 115/230 V
 Rated current : 9.10/4.55 A
 L. R. Amperes : 53.7/26.8 A
 LRC : 5.9x(Code N)
 No load current : 7.70/3.85 A
 Rated speed : 3515 rpm
 Slip : 2.36 %
 Rated torque : 0.747 ft.lb
 Locked rotor torque : 210 %
 Breakdown torque : 400 %
 Insulation class : B
 Service factor : 1.60
 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 +40°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 : 22.0 lb

Output	25%	50%	75%	100%
Efficiency (%)	41.1	45.0	54.0	60.4
Power Factor	0.25	0.43	0.52	0.59

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