

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - C type Single-Phase

Product code : 13772646

Catalog # : 00236OS1BJPR56C-S

Frame : 56C
 Output : 2 HP (1.5 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 115/208-230 V
 Rated current : 21.8/12.1-10.9 A
 L. R. Amperes : 170/94.0-85.0 A
 LRC : 7.8x(Code L)
 No load current : 12.6/5.43-6.30 A
 Rated speed : 3490 rpm
 Slip : 3.06 %
 Rated torque : 3.01 ft.lb
 Locked rotor torque : 250 %
 Breakdown torque : 260 %
 Insulation class : F
 Service factor : 1.20
 Moment of inertia (J) : 0.0747 sq.ft.lb
 Design : L

Locked rotor time : 10s (cold) 6s (hot)
 Temperature rise : 80 K
 Duty cycle : Cont.(S1)
 Ambient temperature : -20°C to +40°C
 Altitude : 1000 m.a.s.l.
 Cooling method : IC01 - ODP
 Mounting : F-1
 Rotation¹ : CCW
 Noise level² : 58.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 37.7 lb

Output 25% 50% 75% 100%

Efficiency (%) 66.4 69.0 72.0 75.0
 Power Factor 0.35 0.60 0.72 0.80

Foundation loads

Max. traction : 58 lb
 Max. compression : 95 lb

	Drive end	Non drive end
Bearing type :	6203 2RS	6202 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 Revision		
Checked by				
Date	26/03/2024			