

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Close Coupled Pump Single-Phase

Product code : 12724451
Catalog # : 00536OS1B184JM

Frame : 182/4JM
Output : 5 HP (3.7 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 115/208-230 V
Rated current : 37.3/21.0-18.7 A
L. R. Amperes : 354/200-178 A
LRC : 9.5x(Code K)
No load current : 7.80/3.10-3.90 A
Rated speed : 3530 rpm
Slip : 1.94 %
Rated torque : 7.44 ft.lb
Locked rotor torque : 190 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 0.2254 sq.ft.lb

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.
Protection degree : IP21
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : CCW
Starting method : Direct On Line
Approx. weight³ : 112 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	84.2	87.3	88.0
Power Factor	0.00	0.97	0.98	0.98

Foundation loads
Max. traction : 86 lb
Max. compression : 199 lb

	Drive end	Non drive end
Bearing type	6207 ZZ	6205 ZZ
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	0 h	0 h
Lubricant amount	0 g	0 g
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	26/03/2024			
		Revision		