

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Close Coupled Pump Single-Phase

Product code : 12724453
Catalog # : 00336OS1B182JM

Frame	: 182/4JM	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 24.4/12.8-12.2 A	Protection degree	: IP21
L. R. Amperes	: 268/141-134 A	Cooling method	: IC01 - ODP
LRC	: 11.0x(Code M)	Mounting	: F-1
No load current	: 10.4/4.10-5.20 A	Rotation ¹	: CCW
Rated speed	: 3560 rpm	Starting method	: Direct On Line
Slip	: 1.11 %	Approx. weight ³	: 0.0 lb
Rated torque	: 4.43 ft.lb		
Locked rotor torque	: 200 %		
Breakdown torque	: 360 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.1732 sq.ft.lb		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	78.0	74.0	86.0	Max. traction : 101 lb
Power Factor	0.00	0.86	0.89	0.91	Max. compression : 101 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 Revision		
Checked by				
Date	26/03/2024			