

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Close Coupled Pump Single-Phase      Product code : 12724451  
Catalog # : 00536OS1B184JM

Frame	: 182/4JM	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 5 HP (3.7 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	: 37.3/21.0-18.7 A	Protection degree	: IP21
L. R. Amperes	: 354/200-178 A	Cooling method	: IC01 - ODP
LRC	: 9.5x(Code K)	Mounting	: F-1
No load current	: 7.80/3.10-3.90 A	Rotation <sup>1</sup>	: CCW
Rated speed	: 3530 rpm	Starting method	: Direct On Line
Slip	: 1.94 %	Approx. weight <sup>3</sup>	: 112 lb
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		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	84.2	87.3	88.0	Max. traction : 86 lb
Power Factor	0.00	0.97	0.98	0.98	Max. compression : 199 lb

Bearing type	:	Drive end	Non drive end
		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					
Checked by					
Date	26/03/2024				
				Page	Revision
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