

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump NEMA Premium
Efficiency Three-Phase

Product code : 13482590

Catalog # : 00152OT3E182JMV-S

Frame : 182/4JM
Output : 1.5 HP (1.1 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 4.50/2.25 A
L. R. Amperes : 29.3/14.6 A
LRC : 6.5x(Code J)
No load current : 2.74/1.37 A
Rated speed : 1165 rpm
Slip : 2.92 %
Rated torque : 6.76 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 310 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.2178 sq.ft.lb
Design : B

Locked rotor time : 82s (cold) 46s (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 : W-6
Rotation¹ : Both (CW and CCW)
Noise level² : 52.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 62.5 lb

Output	25%		50%		75%		100%	
Efficiency (%)	82.8	84.0	84.0	83.3	85.5	84.1	86.5	82.8
	80.8		81.2		83.5		83.5	
Power Factor	0.29	0.35	0.51	0.59	0.63	0.71	0.71	0.77
	0.29		0.51		0.64		0.72	

Foundation loads
Max. traction : 115 lb
Max. compression : 178 lb

	Drive end	Non drive end
Bearing type :	6207 ZZ	6205 ZZ
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	29/03/2024			
		Revision		