

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump Single-Phase

Product code : 15194884

Catalog # : 00536OS1B184JM-S

Frame : 182/4JM
 Output : 5 HP (3.7 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 115/208-230 V
 Rated current : 39.5/22.0-19.7 A
 L. R. Amperes : 265/147-132 A
 LRC : 6.7x(Code G)
 No load current : 10.4/3.00-5.20 A
 Rated speed : 3500 rpm
 Slip : 2.78 %
 Rated torque : 7.50 ft.lb
 Locked rotor torque : 175 %
 Breakdown torque : 250 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 0.1566 sq.ft.lb
 Design : L

Locked rotor time : 16s (cold) 9s (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 : Both (CW and CCW)
 Starting method : Direct On Line
 Approx. weight³ : 81.6 lb

Output 25% 50% 75% 100%

Efficiency (%) 0.000 77.2 81.8 84.0
 Power Factor 0.00 0.92 0.96 0.97

Foundation loads

Max. traction : 79 lb
 Max. compression : 160 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 Revision 1 / 1		
Checked by				
Date	11/03/2025			



W01

MADE IN MEXICO

15194884

22JAN2025

S/N: 1109012805

kW(HP) 3.70(5.00)

MODEL 00536OS1B184JM-S

PH1 60Hz Fr. 182/4JM 1000m.a.s.l. ODP 80lb DUTY CONT.

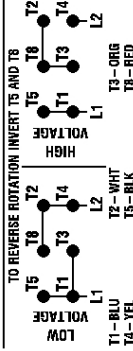
AMB 40°C INS cl. F DT80K Code G DES L

V	Hz	RPM	A	SFA	SF	PF	IE code	NEMA NOM EFF
115	230	60	39.5	46.3	23.2	1.15	0.97	84.0
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

USABLE @208V 22.0A SF 1.00

Electric Motor

MOBIL POLYREX EM



WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.

AVERTISSEMENT: Le moteur doit être mis à la terre conformément aux codes électriques locaux et nationaux afin d'éviter tout choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine.



W01 MO0IC0X0X

