

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

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

Product code : 14277192

Catalog # : 00518OT3E184JP-SG

Frame : 182/4JP  
Output : 5 HP (3.7 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 230/460 V  
Rated current : 12.7/6.33 A  
L. R. Amperes : 91.2/45.6 A  
LRC : 7.2x(Code J)  
No load current : 6.29/3.15 A  
Rated speed : 1760 rpm  
Slip : 2.22 %  
Rated torque : 14.9 ft.lb  
Locked rotor torque : 200 %  
Breakdown torque : 310 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 0.4003 sq.ft.lb  
Design : B

Locked rotor time : 21s (cold) 12s (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  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 55.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 87.9 lb

Output	25%	50%	75%	100%				
Efficiency (%)	87.5	90.4	88.5	88.2	88.5	87.3	89.5	84.8
	88.4		87.5		87.7		86.4	
Power Factor	0.38	0.44	0.63	0.71	0.76	0.82	0.82	0.86
	0.37		0.64		0.76		0.83	

Foundation loads  
Max. traction : 267 lb  
Max. compression : 355 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		