

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase			
Product code :	12676950			
Catalog # :	00536OT3H182JM-S			
Frame	: 182/4JM			
Output	: 5 HP (3.7 kW)			
Poles	: 2			
Frequency	: 60 Hz			
Rated voltage	: 575 V			
Rated current	: 5.06 A			
L. R. Amperes	: 38.4 A			
LRC	: 7.6x(Code J)			
No load current	: 2.48 A			
Rated speed	: 3510 rpm			
Slip	: 2.50 %			
Rated torque	: 7.48 ft.lb			
Locked rotor torque	: 190 %			
Breakdown torque	: 300 %			
Insulation class	: F			
Service factor	: 1.15			
Moment of inertia (J)	: 0.1386 sq.ft.lb			
Design	: B			
Locked rotor time	: 27s (cold) 15s (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>	: 65.0 dB(A)			
Starting method	: Direct On Line			
Approx. weight <sup>3</sup>	: 67.3 lb			
Output	25%    50%    75%    100%			
Efficiency (%)	85.2    85.5    86.5    86.5			
Power Factor	0.39    0.66    0.78    0.85			
Foundation loads				
Max. traction	: 109 lb			
Max. compression	: 177 lb			
Bearing type	: <u>Drive end</u> 6207 ZZ <u>Non drive end</u> 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				
Checked by			Page	Revision
Date	29/03/2024		1 / 1	