

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump High Efficiency Three-Phase Product code : 13180569

Frame	: 182/4JM	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 17.3/8.67 A	Protection degree	: IP55
L. R. Amperes	: 151/75.4 A	Cooling method	: IC411 - TEFC
LRC	: 8.7x(Code K)	Mounting	: F-1
No load current	: 6.08/3.04 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 3480 rpm	Noise level <sup>2</sup>	: 68.0 dB(A)
Slip	: 3.33 %	Starting method	: Direct On Line
Rated torque	: 11.3 ft.lb	Approx. weight <sup>3</sup>	: 92.6 lb
Locked rotor torque	: 270 %		
Breakdown torque	: 360 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1913 sq.ft.lb		
Design	: A		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	89.1	88.5	89.5	88.5	Max. traction	: 214 lb
Power Factor	0.51	0.77	0.86	0.90	Max. compression	: 306 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6207 ZZ	6205 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes:  
USABLE @208V 19.2A SF 1.00 SFA 19.2A

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 Revision		
Checked by				
Date	29/03/2024			