

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel JP Pump High Efficiency Three-Phase      Product code : 12693849

Frame	: 254/6JP	Locked rotor time	: 23s (cold) 13s (hot)
Output	: 15 HP (11 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 37.0/18.5 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 222/111 A	Mounting	: F-1
LRC	: 6.0x(Code G)	Rotation <sup>1</sup>	: Both (CW and CCW)
No load current	: 16.9/8.47 A	Noise level <sup>2</sup>	: 64.0 dB(A)
Rated speed	: 1770 rpm	Starting method	: Direct On Line
Slip	: 1.67 %	Approx. weight <sup>3</sup>	: 176 lb
Rated torque	: 44.5 ft.lb		
Locked rotor torque	: 190 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 1.22 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	90.0	92.3	90.2	89.9	91.0	88.7	91.0	86.1	Max. traction	: 455 lb
	89.9	88.8	88.8	88.9	87.5				Max. compression	: 631 lb
Power Factor	0.40	0.46	0.66	0.73	0.77	0.82	0.82	0.85		
	0.39	0.65	0.77	0.82						

		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6309 Z C3		6208 Z C3	
Sealing	:	Without Bearing Seal		Without Bearing Seal	
Lubrication interval	:	20000 h		20000 h	
Lubricant amount	:	13 g		8 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						
Checked by						
Date	29/03/2024				Page 1 / 1	Revision