

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Standard Efficiency Three-Phase Product code : 10488405

Frame	: 213/5T	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 15.8-14.3/7.15 A	Protection degree	: IP21
L. R. Amperes	: 101-91.5/45.8 A	Cooling method	: IC01 - ODP
LRC	: 6.4x(Code J)	Mounting	: F-2
No load current	: 8.85-8.00/4.00 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 1135 rpm	Noise level <sup>2</sup>	: 59.0 dB(A)
Slip	: 5.42 %	Starting method	: Direct On Line
Rated torque	: 23.1 ft.lb	Approx. weight <sup>3</sup>	: 118 lb
Locked rotor torque	: 280 %		
Breakdown torque	: 0 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 1.20 sq.ft.lb		
Design	: D		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	83.3	84.1	85.1	85.5	Max. traction : -59 lb
Power Factor	0.33	0.57	0.69	0.76	Max. compression : 59 lb

	Drive end	Non drive end
Bearing type	: 6208 ZZ	: 6206 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	26/03/2024			
			Revision	