

Three Phase Induction Motor - Squirrel Cage



Product line : Rolled Steel JM Pump High Efficiency Three-Phase Product code : 12676926

Frame	: 213/5JM	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 15 HP (11 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	: 35.0/17.5 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 228/114 A	Mounting	: F-1
LRC	: 6.5x(Code G)	Rotation ¹	: Both (CW and CCW)
No load current	: 14.7/7.36 A	Noise level ²	: 66.0 dB(A)
Rated speed	: 3525 rpm	Starting method	: Direct On Line
Slip	: 2.08 %	Approx. weight ³	: 126 lb
Rated torque	: 22.3 ft.lb		
Locked rotor torque	: 190 %		
Breakdown torque	: 260 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.4651 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	88.3	91.3	88.5	88.5	89.5	83.9
	88.6		87.3		87.3	85.6
Power Factor	0.46	0.52	0.73	0.80	0.83	0.88
	0.42		0.71		0.82	0.88

	<u>Drive end</u>	<u>Non drive end</u>
Bearing type	6209 ZZ	6206 ZZ
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	-	-
Lubricant amount	-	-
Lubricant type	Mobil Polyrex EM	

- (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				