

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase
Product code : 13482796
Catalog # : 01018OT3E215JMV-S

Frame	: 213/5JM	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: W-6
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight ²	: 127 lb
Design	: B	Moment of inertia (J)	: 1.30 sq.ft.lb

Output [HP]	10	10	10
Poles	4	4	4
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	27.4-24.8/12.4	29.8/14.9	26.4/14.0
L. R. Amperes [A]	192-174/86.8	191/95.4	201/106
LRC [A]	7.0x(Code H)	6.4x(Code G)	7.6x(Code J)
No load current [A]	10.3-12.0/5.99	11.8/5.89	13.1/6.93
Rated speed [RPM]	1770	1460	1470
Slip [%]	1.67	2.67	2.00
Rated torque [ft.lb]	29.3	35.5	35.2
Locked rotor torque [%]	250	200	250
Breakdown torque [%]	350	250	300
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	25s (cold) 14s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²	59.0 dB(A)	56.0 dB(A)	56.0 dB(A)
Efficiency (%)	25%	89.4	89.5
	50%	90.2	89.1
	75%	91.0	89.7
	100%	91.7	89.0
Power Factor	25%	0.38	0.38
	50%	0.64	0.64
	75%	0.77	0.77
	100%	0.83	0.84

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type	: 6209 ZZ	6206 ZZ	Max. traction : 541 lb
Sealing	: Without	Without	Max. compression : 668 lb
	Bearing Seal	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				
Date	19/01/2018			

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Revision