

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase
Product code : 13482797
Catalog # : 01036OT3E213JMV-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	: 123 lb
Design	: B	Moment of inertia (J)	: 0.4651 sq.ft.lb

Output [HP]	10	10	10
Poles	2	2	2
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	26.5-24.0/12.0	29.0/14.5	25.1/13.3
L. R. Amperes [A]	180-163/81.6	157/78.3	163/86.5
LRC [A]	6.8x(Code H)	5.4x(Code F)	6.5x(Code G)
No load current [A]	8.03-9.32/4.66	9.15/4.58	10.4/5.51
Rated speed [RPM]	3535	2910	2930
Slip [%]	1.81	3.00	2.33
Rated torque [ft.lb]	14.7	17.8	17.7
Locked rotor torque [%]	200	150	180
Breakdown torque [%]	280	210	250
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	19s (cold) 11s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²	66.0 dB(A)	64.0 dB(A)	64.0 dB(A)
Efficiency (%)	25%	88.3	89.9
	50%	88.5	89.0
	75%	89.5	89.1
	100%	89.5	87.9
Power Factor	25%	0.47	0.45
	50%	0.74	0.73
	75%	0.84	0.84
	100%	0.88	0.89

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads	
Bearing type	: 6209 ZZ	6206 ZZ	Max. traction	: 191 lb
Sealing	: Without	Without	Max. compression	: 314 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