

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase
Product code : 12913380
Catalog # : 00312ET3E213JM-S

Frame : 213/5JM	Cooling method : IC411 - TEFC
Insulation class : F	Mounting : F-1
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 : 139 lb
Protection degree : IP55	Moment of inertia (J) : 1.08 sq.ft.lb
Design : B	

Output [HP]	3	3	3
Poles	6	6	6
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	9.22-8.34/4.17	9.76/4.88	8.79/4.66
L. R. Amperes [A]	59.0-53.4/26.7	49.8/24.9	52.7/28.0
LRC [A]	6.4x(Code H)	5.1x(Code F)	6.0x(Code H)
No load current [A]	4.06-4.71/2.36	4.66/2.33	4.93/2.61
Rated speed [RPM]	1175	970	975
Slip [%]	2.08	3.00	2.50
Rated torque [ft.lb]	13.2	16.0	15.9
Locked rotor torque [%]	229	170	220
Breakdown torque [%]	290	220	270
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	82s (cold) 46s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²	55.0 dB(A)	53.0 dB(A)	53.0 dB(A)
Efficiency (%)	25%		
	50%	85.5	86.2
	75%	88.5	87.8
	100%	89.5	87.6
Power Factor	25%		
	50%	0.55	0.55
	75%	0.67	0.68
	100%	0.74	0.75

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).
- (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	22/01/2018			

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