

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - J type Three-Phase
Product code : 12676609
Catalog # : 00136OS3EJPR56J-S

Frame : 56J	Cooling method : IC01 - ODP
Insulation class : F	Mounting : F-1
Duty cycle : Cont.(S1)	Rotation ¹ : CCW
Ambient temperature : -20°C to +40°C	Starting method : Direct On Line
Altitude : 1000 m.a.s.l.	Approx. weight ² : 22.5 lb
	Moment of inertia (J) : 0.0517 sq.ft.lb

Output [HP]	1	1	1
Poles	2	2	2
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	3.40-3.08/1.54	3.52/1.76	3.28/1.74
L. R. Amperes [A]	21.8-19.7/9.86	16.2/8.10	17.1/9.05
LRC [A]	6.4x(Code J)	4.6x(Code F)	5.2x(Code H)
No load current [A]	1.64-1.90/0.950	1.80/0.900	2.26/1.20
Rated speed [RPM]	3470	2800	2840
Slip [%]	3.61	6.67	5.33
Rated torque [ft.lb]	1.49	1.85	1.82
Locked rotor torque [%]	220	160	200
Breakdown torque [%]	250	190	229
Service factor		1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	41s (cold) 23s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²	62.0 dB(A)	60.0 dB(A)	60.0 dB(A)
Efficiency (%)	25%	68.4	73.7
	50%	70.0	72.6
	75%	74.0	74.5
	100%	75.5	72.6
Power Factor	25%	0.34	0.41
	50%	0.60	0.70
	75%	0.73	0.82
	100%	0.81	0.89

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	19/01/2018			

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