

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium
Efficiency Three-Phase

Product code : 12674796

Catalog # : 00318OT3E182T-S

Frame	: 182/4T	Cooling method	: IC01 - ODP
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 ^a	: 67.7 lb
Design	: B	Moment of inertia (J)	: 0.3092 sq.ft.lb

Output [HP]	3	3	3
Poles	4	4	4
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	8.54-7.72/3.86	9.08/4.54	8.17/4.33
L. R. Amperes [A]	71.7-64.8/32.4	58.1/29.1	61.3/32.5
LRC [A]	8.4x(Code K)	6.4x(Code H)	7.5x(Code J)
No load current [A]	3.57-4.14/2.07	4.08/2.04	4.48/2.37
Rated speed [RPM]	1765	1460	1470
Slip [%]	1.94	2.67	2.00
Rated torque [ft.lb]	8.81	10.6	10.6
Locked rotor torque [%]	220	150	180
Breakdown torque [%]	330	240	300
Service factor	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	27s (cold) 15s (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%	87.5	86.8
	75%	88.5	87.8
	100%	89.5	87.2
Power Factor	25%		
	50%	0.60	0.60
	75%	0.73	0.73
	100%	0.80	0.81

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	23/01/2018			

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