

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Three-Phase

Product code : 12809252
Catalog # : 7512OT3E56-S

Frame	: 56H	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 ²	: 35.7 lb
Design	: A	Moment of inertia (J)	: 0.1685 sq.ft.lb

Output [HP]	0.75	0.75	0.75
Poles	6	6	6
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	2.78-2.52/1.26	2.86/1.43	2.62/1.39
L. R. Amperes [A]	16.4-14.9/7.43	13.2/6.58	13.9/7.37
LRC [A]	5.9x(Code J)	4.6x(Code G)	5.3x(Code H)
No load current [A]	1.55-1.79/0.896	1.77/0.886	1.86/0.987
Rated speed [RPM]	1160	945	955
Slip [%]	3.33	5.50	4.50
Rated torque [ft.lb]	3.35	4.11	4.07
Locked rotor torque [%]	220	170	220
Breakdown torque [%]	280	229	280
Service factor		1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	59s (cold) 33s (hot)	64s (cold) 36s (hot)	54s (cold) 30s (hot)
Noise level ²	50.0 dB(A)	48.0 dB(A)	48.0 dB(A)
Efficiency (%)	25%		
	50%	75.5	75.2
	75%	80.0	78.6
	100%	81.7	78.9
Power Factor	25%		
	50%	0.45	0.47
	75%	0.58	0.60
	100%	0.67	0.70

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			

Page 1 / Revision