

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Three-Phase

Product code : 12809607  
Catalog # : 00112OT3E56-S

Frame	: 56H	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: F-1
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup>	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>2</sup>	: 39.9 lb
Design	: A	Moment of inertia (J)	: 0.1951 sq.ft.lb

Output [HP]	1	1	1
Poles	6	6	6
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	3.71-3.36/1.68	3.82/1.91	3.55/1.88
L. R. Amperes [A]	23.0-20.8/10.4	18.3/9.17	19.9/10.5
LRC [A]	6.2x(Code K)	4.8x(Code G)	5.6x(Code J)
No load current [A]	2.07-2.40/1.20	2.34/1.17	2.49/1.32
Rated speed [RPM]	1160	940	950
Slip [%]	3.33	6.00	5.00
Rated torque [ft.lb]	4.47	5.51	5.45
Locked rotor torque [%]	240	190	240
Breakdown torque [%]	300	229	280
Service factor		1.15	1.15
Temperature rise	80 K	80 K	80 K
Locked rotor time	46s (cold) 26s (hot)	46s (cold) 26s (hot)	37s (cold) 21s (hot)
Noise level <sup>2</sup>	50.0 dB(A)	48.0 dB(A)	48.0 dB(A)
Efficiency (%)	25%		
	50%	77.0	76.1
	75%	81.5	79.2
	100%	82.5	79.3
Power Factor	25%		
	50%	0.45	0.47
	75%	0.58	0.61
	100%	0.68	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