

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Three-Phase

Product code : 12894805
Catalog # : .7536ES3H56CFL-S

Frame : 56C
Output : 0.75 HP (0.550 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 575 V
Rated current : 0.904 A
L. R. Amperes : 6.33 A
LRC : 7.0x(Code K)
No load current : 0.440 A
Rated speed : 3475 rpm
Slip : 3.47 %
Rated torque : 1.12 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 290 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.0517 sq.ft.lb

Locked rotor time : 41s (cold) 23s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 68.0 dB(A)
Starting method : Direct On Line

Output	25%	50%	75%	100%
Efficiency (%)	58.8	62.0	68.0	72.0
Power Factor	0.45	0.70	0.79	0.85

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		Page Revision 1 /		
Checked by				
Date	23/01/2018			