

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Three-Phase

Product code : 12894834
Catalog # : .7512ES3H56CFL-S

Frame : 56C
Output : 0.75 HP (0.550 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 575 V
Rated current : 1.07 A
L. R. Amperes : 6.22 A
LRC : 5.8x(Code K)
No load current : 0.777 A
Rated speed : 1155 rpm
Slip : 3.75 %
Rated torque : 3.36 ft.lb
Locked rotor torque : 229 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.1331 sq.ft.lb
Design : A

Locked rotor time : 37s (cold) 21s (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 : 50.0 dB(A)
Starting method : Direct On Line

| Output | 25% | 50% | 75% | 100% |
|----------------|------|------|------|------|
| Efficiency (%) | 68.4 | 70.0 | 74.0 | 75.5 |
| Power Factor | 0.26 | 0.46 | 0.59 | 0.68 |

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 |
|--------------|-----------------|----------------------|---------|------|
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| Performed by | | Page Revision 1 / | | |
| Checked by | | | | |
| Date | 23/01/2018 | | | |