

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel Three-Phase Product code : 12895593
 Catalog # : .2518ES3H56C-S

Frame	: 56C	Locked rotor time	: 68s (cold) 38s (hot)
Output	: 0.25 HP (0.18 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 0.417 A	Protection degree	: IP55
L. R. Amperes	: 2.63 A	Cooling method	: IC411 - TEFC
LRC	: 6.3x(Code M)	Mounting	: F-1
No load current	: 0.360 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1765 rpm	Noise level ²	: 52.0 dB(A)
Slip	: 1.94 %	Starting method	: Direct On Line
Rated torque	: 0.734 ft.lb		
Locked rotor torque	: 240 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0453 sq.ft.lb		

Output	25%	50%	75%	100%
Efficiency (%)	54.4	57.5	66.0	70.0
Power Factor	0.24	0.43	0.54	0.62

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
Checked by		1 /		
Date	27/01/2018			