

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium  
Efficiency Three-Phase

Product code : 12799569

Catalog # : 01012ET3H256T-SG

Frame : 254/6T  
Output : 10 HP (7.5 kW)  
Poles : 6  
Frequency : 60 Hz  
Rated voltage : 575 V  
Rated current : 11.0 A  
L. R. Amperes : 59.6 A  
LRC : 5.4x(Code G)  
No load current : 5.69 A  
Rated speed : 1175 rpm  
Slip : 2.08 %  
Rated torque : 44.1 ft.lb  
Locked rotor torque : 210 %  
Breakdown torque : 229 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 2.83 sq.ft.lb  
Design : B

Locked rotor time : 54s (cold) 30s (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  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 59.0 dB(A)  
Starting method : Direct On Line

Output	25%	50%	75%	100%
Efficiency (%)	90.0	90.2	91.0	91.0
Power Factor	0.33	0.57	0.69	0.75

### 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				
Date	22/01/2018			
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