

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium  
Efficiency Three-Phase

Product code : 12675403

Catalog # : 00318ET3H182T-S

Frame : 182/4T  
Output : 3 HP (2.2 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 575 V  
Rated current : 3.05 A  
L. R. Amperes : 26.8 A  
LRC : 8.8x(Code K)  
No load current : 1.60 A  
Rated speed : 1765 rpm  
Slip : 1.94 %  
Rated torque : 8.81 ft.lb  
Locked rotor torque : 220 %  
Breakdown torque : 300 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 0.4017 sq.ft.lb  
Design : B

Locked rotor time : 32s (cold) 18s (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> : 56.0 dB(A)  
Starting method : Direct On Line

Output	25%	50%	75%	100%
Efficiency (%)	86.4	87.5	88.5	89.5
Power Factor	0.36	0.61	0.74	0.81

### 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	23/01/2018			
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