

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase      Product code : 12770647  
 Catalog # : 02018OT3H256T-S

Frame	: 254/6T	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 20 HP (15 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	: 20.0 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 126 A	Mounting	: F-1
LRC	: 6.3x(Code G)	Rotation <sup>1</sup>	: Both (CW and CCW)
No load current	: 9.15 A	Noise level <sup>2</sup>	: 64.0 dB(A)
Rated speed	: 1770 rpm	Starting method	: Direct On Line
Slip	: 1.67 %		
Rated torque	: 58.5 ft.lb		
Locked rotor torque	: 240 %		
Breakdown torque	: 290 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 2.23 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%
Efficiency (%)	91.7	92.4	92.4	93.0
Power Factor	0.38	0.63	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		1 /		
Date	23/01/2018			