

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium
Efficiency Three-Phase

Product code : 12881322

Catalog # : 00536OT3V182T-S

Frame : 182/4T
Output : 5 HP (3.7 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 200/400 V
Rated current : 14.0/7.01 A
L. R. Amperes : 107/53.3 A
LRC : 7.6x(Code J)
No load current : 5.93/2.96 A
Rated speed : 3510 rpm
Slip : 2.50 %
Rated torque : 7.38 ft.lb
Locked rotor torque : 190 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.1386 sq.ft.lb
Design : B

Locked rotor time : 21s (cold) 12s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 65.0 dB(A)
Starting method : Direct On Line

Output	25%	50%	75%	100%
Efficiency (%)	85.2	85.5	86.5	86.5
Power Factor	0.45	0.73	0.83	0.88

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			
		1 /		