

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel High Efficiency Three-Phase
Product code : 12675494
Catalog # : 00736OP3HFP184TC-S

Frame	: 182/4TC				Locked rotor time	: 14s (cold) 8s (hot)
Output	: 7.5 HP (5.5 kW)				Temperature rise	: 80 K
Poles	: 2				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	: 7.09 A				Cooling method	: IC01 - ODP
L. R. Amperes	: 49.6 A				Mounting	: F-1
LRC	: 7.0x(Code H)				Rotation ¹	: Both (CW and CCW)
No load current	: 2.80 A				Noise level ²	: 65.0 dB(A)
Rated speed	: 3500 rpm				Starting method	: Direct On Line
Slip	: 2.78 %					
Rated torque	: 11.1 ft.lb					
Locked rotor torque	: 180 %					
Breakdown torque	: 280 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.1559 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	88.1	87.5	88.5	87.5		
Power Factor	0.47	0.74	0.84	0.89		

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				
Checked by				
Date	18/01/2018			

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