

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Standard Efficiency Three-Phase Product code : 11161547

Frame	: 184T	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 5.88-5.32/2.66 A	Protection degree	: IP21
L. R. Amperes	: 41.2-37.2/18.6 A	Cooling method	: IC01 - ODP
LRC	: 7.0x(Code L)	Mounting	: F-2
No load current	: 3.32-3.00/1.50 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1125 rpm	Noise level ²	: 55.0 dB(A)
Slip	: 6.25 %	Starting method	: Direct On Line
Rated torque	: 7.00 ft.lb	Approx. weight ³	: 67.0 lb
Locked rotor torque	: 360 %		
Breakdown torque	: 0 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.4435 sq.ft.lb		
Design	: D		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	65.0	67.0	69.0	71.0	Max. traction : -33 lb
Power Factor	0.31	0.50	0.65	0.73	Max. compression : 33 lb

	Drive end	Non drive end
Bearing type	: 6206 ZZ	: 6205 ZZ
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: -	: -
Lubricant amount	: -	: -
Lubricant type	: Mobil Polyrex EM	

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).
- (3) Approximate weight subject to changes after manufacturing process.
- (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 1 / 1		
Checked by				
Date	26/03/2024			

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