

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Standard Efficiency Three-Phase Product code : 10120644

Frame	: 184T	Locked rotor time	: 32s (cold) 18s (hot)
Output	: 2 HP (1.5 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	: 7.49-6.77/3.39 A	Protection degree	: IP21
L. R. Amperes	: 53.9-48.7/24.4 A	Cooling method	: IC01 - ODP
LRC	: 7.2x(Code L)	Mounting	: F-2
No load current	: 3.66-4.26/2.13 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1140 rpm	Starting method	: Direct On Line
Slip	: 5.00 %	Approx. weight ³	: 0.0 lb
Rated torque	: 9.21 ft.lb		
Locked rotor torque	: 290 %		
Breakdown torque	: 0 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.4343 sq.ft.lb		
Design	: D		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	81.0	83.0	83.0	Max. traction : 0 lb
Power Factor	0.00	0.46	0.58	0.67	Max. compression : 0 lb

	Drive end	Non drive end
Bearing type	: 6206 ZZ	: 6205 ZZ
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: 0 h	: 0 h
Lubricant amount	: 0 g	: 0 g
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			