

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three-Phase Product code : 11408177

Frame	: 184T	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 105 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 13.1/6.55 A	Protection degree	: IP21
L. R. Amperes	: 90.4/45.2 A	Cooling method	: IC01 - ODP
LRC	: 6.9x(Code J)	Mounting	: F-1
No load current	: 6.40/3.20 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1750 rpm	Noise level ²	: 55.0 dB(A)
Slip	: 2.78 %	Starting method	: Direct On Line
Rated torque	: 15.0 ft.lb	Approx. weight ³	: 68.6 lb
Locked rotor torque	: 210 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.3177 sq.ft.lb		
Design	: B		

Output	25%		50%		75%		100%		Foundation loads	
Efficiency (%)	85.1	82.1	85.5	82.5	87.5	84.0	87.5	84.0	Max. traction	: 255 lb
	82.1	80.9	82.5	82.5	84.0	84.0	84.0	85.5		
Power Factor	0.37	0.42	0.61	0.65	0.74	0.77	0.81	0.81	Max. compression	: 323 lb
	0.37	0.33	0.60	0.54	0.73	0.69	0.79	0.77		

		<u>Drive end</u>	<u>Non drive end</u>
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 1 / 1		
Checked by				
Date	26/03/2024			
			Revision	