

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Multimounting IE3 Three-Phase

Product code : 13984846
Catalog # : 00318ET3HAL100L-W22

Frame	: L100L	Locked rotor time	: 32s (cold) 18s (hot)
Output	: 4 HP (3 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 4.26 A	Protection degree	: IP55
L. R. Amperes	: 36.7 A	Cooling method	: IC411 - TEFC
LRC	: 8.6	Mounting	: B3L(E)
No load current	: 2.56 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1740 rpm	Noise level ²	: 54.0 dB(A)
Slip	: 3.33 %	Starting method	: Direct On Line
Rated torque	: 12.1 ft.lb	Approx. weight ³	: 76.5 lb
Locked rotor torque	: 459 %		
Breakdown torque	: 480 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.2848 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	81.3	84.0	86.5	89.5	Max. traction	: 403 lb
Power Factor	0.34	0.59	0.71	0.79	Max. compression	: 479 lb

		Drive end	Non drive end
Bearing type	:	6206 ZZ	6206 ZZ
Sealing	:	V'Ring	V'Ring
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	