

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Multimounting IE3 Three-Phase

Product code :

14052062

Catalog # :

00318ET3WAL100LFF-W2

Frame : L100L  
Output : 4 HP (3 kW)  
Poles : 4  
Frequency : 50 Hz  
Rated voltage : 220/380 V  
Rated current : 10.8/6.26 A  
L. R. Amperes : 84.3/48.8 A  
LRC : 7.8  
No load current : 5.53/3.20 A  
Rated speed : 1430 rpm  
Slip : 4.67 %  
Rated torque : 14.7 ft.lb  
Locked rotor torque : 310 %  
Breakdown torque : 330 %  
Insulation class : F  
Service factor : 1.25  
Moment of inertia (J) : 0.2848 sq.ft.lb  
Design : N

Locked rotor time : 23s (cold) 13s (hot)  
Temperature rise : 80 K  
Duty cycle : S1  
Ambient temperature : -20°C to +40°C  
Altitude : 1000 m.a.s.l.  
Protection degree : IP55  
Cooling method : IC411 - TEFC  
Mounting : B35L(E)  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 53.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 84.4 lb

Output	25%		50%		75%		100%	
Efficiency (%)	87.6	85.6	87.7	86.3	88.0	87.7	87.7	88.1
	81.3		84.0		86.5		89.5	
Power Factor	0.38	0.31	0.65	0.56	0.77	0.70	0.83	0.78
	0.34		0.59		0.71		0.79	

Foundation loads  
Max. traction : 399 lb  
Max. compression : 483 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	