

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Multimounting IE3 Three-Phase

Product code :

14056488

Catalog # :

00152ET3WAL100LFF-W2

Frame : L100L  
Output : 2 HP (1.5 kW)  
Poles : 6  
Frequency : 50 Hz  
Rated voltage : 220/380 V  
Rated current : 6.28/3.63 A  
L. R. Amperes : 32.7/18.9 A  
LRC : 5.2  
No load current : 3.30/1.91 A  
Rated speed : 950 rpm  
Slip : 5.00 %  
Rated torque : 11.1 ft.lb  
Locked rotor torque : 200 %  
Breakdown torque : 250 %  
Insulation class : F  
Service factor : 1.25  
Moment of inertia (J) : 0.4176 sq.ft.lb  
Design : N

Locked rotor time : 0s (cold) 0s (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)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 81.6 lb

Output	25%	50%	75%	100%				
Efficiency (%)	0.000	82.0	82.0	82.5	82.5	82.5	82.5	
	0.000	85.5	87.5	88.5				
	0.000							
Power Factor	0.00	0.00	0.56	0.49	0.69	0.63	0.76	0.71
	0.00	0.49	0.62	0.68				

Foundation loads  
Max. traction : 165 lb  
Max. compression : 246 lb

Losses at normative operating points (speed;torque), in percentage of rated output power

Losses (%)	P1 (0,9;1,0)	20.1	20.1	12.3
	P2 (0,5;1,0)	16.3	16.3	10.0
	P3 (0,25;1,0)	15.1	15.1	9.3
	P4 (0,9;0,5)	12.6	12.6	7.7
	P5 (0,5;0,5)	8.9	8.9	5.4
	P6 (0,5;0,25)	7.2	7.2	4.4
	P7 (0,25;0,25)	5.4	5.4	3.3

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6206 ZZ	6206 ZZ
Sealing	:	V'Ring	V'Ring
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				
Checked by				
Date	26/03/2024			
			Page	Revision
			1 / 1	