

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Multimounting IE3 Three-Phase Product code : 14056488
 Catalog # : 00152ET3WAL100LFF-W2

Frame	: L100L	Locked rotor time	: 0s (cold) 0s (hot)
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 220/380 V	Altitude	: 1000 m.a.s.l.
Rated current	: 6.28/3.63 A	Protection degree	: IP55
L. R. Amperes	: 32.7/18.9 A	Cooling method	: IC411 - TEFC
LRC	: 5.2	Mounting	: B35L(E)
No load current	: 3.30/1.91 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 950 rpm	Starting method	: Direct On Line
Slip	: 5.00 %	Approx. weight ³	: 81.6 lb
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		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	0.000	82.0	82.0	82.5	82.5	82.5	Max. traction	: 165 lb		
	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	Max. compression	: 246 lb
	0.00	0.49	0.62	0.68						

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				Page	Revision
Date	26/03/2024			1 / 1	