

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Multimounting IE3 Three-Phase

Product code :

14731240

Catalog # :

00152ET3WAL100L-W22

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 : B3L(E)
Rotation¹ : Both (CW and CCW)
Starting method : Direct On Line
Approx. weight³ : 81.6 lb

Output	25%	50%	75%	100%				
Efficiency (%)	0.000	82.0	82.0	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	6205 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	