

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Multimounting IE3 Three-Phase

Product code :

13984868

Catalog # :

00718ET3HAL132M-W22

Frame : 132M
Output : 10 HP (7.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 575 V
Rated current : 10.2 A
L. R. Amperes : 107 A
LRC : 10.5
No load current : 5.04 A
Rated speed : 1770 rpm
Slip : 1.67 %
Rated torque : 29.7 ft.lb
Locked rotor torque : 270 %
Breakdown torque : 420 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 1.52 sq.ft.lb
Design : N

Locked rotor time : 27s (cold) 15s (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)
Noise level² : 58.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 148 lb

Output	25%	50%	75%	100%
Efficiency (%)	89.4	90.2	91.0	91.7
Power Factor	0.38	0.65	0.76	0.81

Foundation loads
Max. traction : 629 lb
Max. compression : 777 lb

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

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
8.8	7.0	6.3	5.2	3.5	2.7	1.8

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type :		6308 ZZ	6207 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				
Checked by				
Date	26/03/2024			

Page 1 / 1
Revision