

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Multimounting IE3 Three-Phase

Product code : 13984841
Catalog # : 00718ET3YAL132M-W22

Frame	: 132M	Locked rotor time	: 23s (cold) 13s (hot)
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 380 V	Altitude	: 1000 m.a.s.l.
Rated current	: 14.5 A	Protection degree	: IP55
L. R. Amperes	: 123 A	Cooling method	: IC411 - TEFC
LRC	: 8.5	Mounting	: B3L(E)
No load current	: 6.20 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1460 rpm	Noise level ²	: 56.0 dB(A)
Slip	: 2.67 %	Starting method	: Direct On Line
Rated torque	: 36.0 ft.lb	Approx. weight ³	: 149 lb
Locked rotor torque	: 220 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 1.52 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	91.0	90.0	91.0	90.5	91.5	91.4	91.2	91.7	Max. traction	: 628 lb
	89.4		90.2		91.0		91.7			
Power Factor	0.43	0.37	0.70	0.64	0.81	0.76	0.86	0.81	Max. compression	: 777 lb
	0.38		0.65		0.76		0.81			

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

Losses (%)	P1 (0,9;1,0)	9.4	8.8	8.8
	P2 (0,5;1,0)	7.4	7.0	7.0
	P3 (0,25;1,0)	6.8	6.3	6.3
	P4 (0,9;0,5)	5.6	5.2	5.2
	P5 (0,5;0,5)	3.7	3.5	3.5
	P6 (0,5;0,25)	2.8	2.7	2.7
	P7 (0,25;0,25)	1.9	1.8	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		Page 1 / 1		
Checked by				
Date	26/03/2024			
			Revision	