

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Multimounting High Efficiency Three-Phase      Product code : 13982681  
Catalog # : .1818EP3EAL63-W22

Frame	: 63	Locked rotor time	: 34s (cold) 19s (hot)
Output	: 0.25 HP (0.18 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	: 0.551 A	Protection degree	: IP55
L. R. Amperes	: 2.53 A	Cooling method	: IC411 - TEFC
LRC	: 4.6	Mounting	: B3L(E)
No load current	: 0.460 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 1390 rpm	Noise level <sup>2</sup>	: 44.0 dB(A)
Slip	: 7.33 %	Starting method	: Direct On Line
Rated torque	: 0.944 ft.lb	Approx. weight <sup>3</sup>	: 14.5 lb
Locked rotor torque	: 200 %		
Breakdown torque	: 210 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0133 sq.ft.lb		
Design	: N		

Output	25%		50%		75%		100%		Foundation loads	
Efficiency (%)	61.0	58.0	63.0	60.0	66.0	66.0	68.0	68.0	Max. traction	: 19 lb
	61.0		63.0		67.0		69.0			
Power Factor	0.27	0.22	0.50	0.42	0.63	0.54	0.73	0.65	Max. compression	: 34 lb
	0.22		0.42		0.54		0.64			

				<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:			6201 ZZ	6201 ZZ
Sealing	:			Oil Seal	Oil Seal
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	Revision
			1 / 1	