

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Multimounting High Efficiency Three-Phase Product code : 14280722
Catalog # : .1809EP3WAL80-W22

Frame	: 80	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 0.25 HP (0.18 kW)	Temperature rise	: 80 K
Poles	: 8	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	: 1.53/0.886 A	Protection degree	: IP55
L. R. Amperes	: 4.59/2.66 A	Cooling method	: IC411 - TEFC
LRC	: 3.0	Mounting	: B3L(E)
No load current	: 1.30/0.750 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 690 rpm	Noise level ²	: 42.0 dB(A)
Slip	: 8.00 %	Starting method	: Direct On Line
Rated torque	: 1.90 ft.lb	Approx. weight ³	: 25.2 lb
Locked rotor torque	: 170 %		
Breakdown torque	: 180 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0574 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	35.8	28.0	38.0	31.0	46.0	40.0	49.0	46.0	Max. traction	: 23 lb
	30.9		34.6		43.3		50.5			
Power Factor	0.26	0.25	0.45	0.40	0.55	0.50	0.63	0.57	Max. compression	: 48 lb
	0.23		0.40		0.48		0.56			

					<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:				6204 ZZ	6203 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	