

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 Explosion Proof Standard Three-Phase Product code : 10084674

Frame	: 132S	Locked rotor time	: 39s (cold) 22s (hot)
Output	: 3 kW (4 HP-cv)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 220/380 V	Altitude	: 1000 m.a.s.l.
Rated current	: 13.0/7.53 A	Protection degree	: IP55
L. R. Amperes	: 80.6/46.7 A	Cooling method	: IC411 - TFVE
LRC	: 6.2	Mounting	: B3D
No load current	: 8.00/4.63 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1160 rpm	Noise level ²	: 55.0 dB(A)
Slip	: 3.33 %	Starting method	: Direct On Line
Rated torque	: 2.52 kgfm	Approx. weight ³	: 69.4 kg
Locked rotor torque	: 210 %		
Breakdown torque	: 240 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0310 kgm ²		
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	79.0	82.0	83.0	Max. traction	: 77 kgf
Power Factor	0.53	0.64	0.73	Max. compression	: 146 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6308 ZZ	6207 ZZ
Sealing	:	Lip Seal	Lip 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 ABNT NBR 17094.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 2 Revision		
Checked by				
Date	07/10/2024			

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Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	130 °C

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page 2 / 2Revision	
Checked by					
Date	07/10/2024				