

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : MGE
Customer reference : MGE

Product line : W20

Product code : 15991579

Frame	: 132M	Locked rotor time	: 21s (cold) 12s (hot)
Output	: 7.5 kW (10 HP)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: S1
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 400/690 V	Altitude	: 1000 m.a.s.l.
Rated current	: 14.1/8.15 A	Protection degree	: IP55
L. R. Amperes	: 111/64.4 A	Cooling method	: IC411 - TEFC
LRC	: 7.9	Mounting	: B3T
No load current	: 6.32/3.66 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	: 49.1 Nm	Approx. weight ³	: 66.6 kg
Locked rotor torque	: 220 %		
Breakdown torque	: 340 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0638 kgm ²		
Design	: N		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	90.0	90.4	90.4	Max. traction	: 2763 N
Power Factor	0.68	0.79	0.85	Max. compression	: 3417 N

	Drive end	Non drive end
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 IEC 60034-1.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	05/05/2023			

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Revision

