

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Single-Phase

Product code : 17008703

Frame	: 132M/L	Locked rotor time	: 34s (cold) 19s (hot)
Output	: 3 kW (4 HP)	Temperature rise	: 80 K
Frequency	: 50 Hz	Duty cycle	: S1
Rated voltage	: 230 V	Ambient temperature	: -20°C to +40°C
Poles	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 16.1 A	Protection degree	: IP55
LRC	: 7.4	Cooling method	: IC411 - TEFC
Rated speed	: 1450 rpm	Mounting	: B3T
Rated torque	: 19.8 Nm	Rotation ¹	: Both (CW and CCW)
Insulation class	: F	Noise level ²	: 61.0 dB(A)
Service factor	: 1.00	Starting method	: Direct On Line
Moment of inertia (J)	: 0.0551 kgm ²	Approx. weight ³	: 90.7 kg

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	80.0	84.0	85.5	Max. traction	: 397 N
Power Factor	0.93	0.95	0.95	Max. compression	: 1286 N

	<u>Drive end</u>	<u>Non drive end</u>
Bearing type	: 6308 ZZ	: 6206 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		Page 1 / 1		
Checked by				
Date	24/03/2026			
		Revision		