## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



: 25s (cold) 14s (hot)

: -20°C to +40°C

: 1000 m.a.s.l.

: IC411 - TEFC

: 70.0 dB(A)

: 114 kg

: Direct On Line

: Both (CW and CCW)

: 80 K

: IP55

: B3T

: S1

: MGE : MGE Customer reference

Product line : W20 Three-Phase Product code: 15991542

Locked rotor time

Temperature rise

Protection degree

Cooling method

Starting method

Approx. weight3

Ambient temperature

Duty cycle

Altitude

Mounting

Rotation<sup>1</sup>

Noise level<sup>2</sup>

Frame : 160M

Output : 15 kW (20 HP) Poles : 2

Frequency : 50 Hz Rated voltage : 400/690 V Rated current : 27.1/15.7 A L. R. Amperes : 217/126 A

LRC : 8.0

No load current : 9.50/5.51 A Rated speed : 2940 rpm Slip : 2.00 % Rated torque : 48.7 Nm Locked rotor torque : 280 %

Breakdown torque : 320 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0565 kgm<sup>2</sup>

Design : N

Output 50% 75% 100% Foundation loads

Efficiency (%) 90.5 91.5 91.9 Max. traction : 1896 N Power Factor 0.75 0.84 0.87 Max. compression : 3016 N

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0) P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0,25) 8.3 6.5 6.2 4.4 2.7 1.8 1.1

Drive end Non drive end Bearing type 6209 ZZ C3 6209 ZZ C3 V'Ring V'Ring Sealing

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.

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Customer : MGE
Customer reference : MGE

Thermal protection								
ID	Application	Туре	Quantity	y Sensing Temperature				
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C				

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