

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : ASTRAPROM

Product line : W22 IE3 Three-Phase Product code : 12887987

| | | | |
|-----------------------|---------------------------|-----------------------------|----------------------|
| Frame | : L132M/L | Locked rotor time | : 9s (cold) 5s (hot) |
| Output | : 11 kW (15 HP) | Temperature rise | : 80 K |
| Frequency | : 50 Hz | Duty cycle | : S1 |
| Rated voltage | : 400/690 V | Ambient temperature | : -20°C to +40°C |
| Poles | : 4 | Altitude | : 1000 m.a.s.l. |
| Rated current | : 21.2/12.3 A | Protection degree | : IP55 |
| LRC | : 10.0 | Cooling method | : IC411 - TEFC |
| Rated speed | : 1465 rpm | Mounting | : B35T |
| Rated torque | : 71.7 Nm | Rotation ¹ | : Both (CW and CCW) |
| Insulation class | : F | Starting method | : Direct On Line |
| Service factor | : 1.00 | Approx. weight ³ | : 98.0 kg |
| Moment of inertia (J) | : 0.0864 kgm ² | | |
| Design | : N | | |

| | | | | | | |
|----------------|-------|------|------|------|------------------|----------|
| Output | 25% | 50% | 75% | 100% | Foundation loads | |
| Efficiency (%) | 0.000 | 89.6 | 90.6 | 91.4 | Max. traction | : 4567 N |
| Power Factor | 0.00 | 0.62 | 0.75 | 0.82 | Max. compression | : 5529 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) |
|--------------|--------------|---------------|--------------|--------------|---------------|----------------|
| 9.2 | 7.9 | 7.8 | 4.8 | 3.5 | 2.6 | 1.9 |

| | | | |
|----------------------|---|------------------|----------------------|
| | | <u>Drive end</u> | <u>Non drive end</u> |
| Bearing type | : | 6308 ZZ | 6207 ZZ |
| Sealing | : | Oil Seal | Lip Seal |
| Lubrication interval | : | 0 h | 0 h |
| Lubricant amount | : | 0 g | 0 g |
| Lubricant type | : | 00088 | |

Notes
W22 IE3

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 | | | Page | Revision |
| Date | 17/04/2026 | | 1 / 2 | |

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer : ASTRAPROM

Thermal protection

| ID | Application | Type | Quantity | Sensing Temperature |
|----|-------------|----------------------|-----------|---------------------|
| 1 | Winding | Thermistor - 2 wires | 1 x Phase | 155 °C |

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------|----------|
| Performed by | | | | |
| Checked by | | | Page | Revision |
| Date | 17/04/2026 | | 2 / 2 | |

