

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Multimounting IE3 Three-Phase Product code : 13589094

|                       |                           |                             |                        |
|-----------------------|---------------------------|-----------------------------|------------------------|
| Frame                 | : 63                      | Locked rotor time           | : 36s (cold) 20s (hot) |
| Output                | : 0.12 kW (0.16 HP)       | Temperature rise            | : 80 K                 |
| Frequency             | : 50 Hz                   | Duty cycle                  | : S1                   |
| Rated voltage         | : 230/400 V               | Ambient temperature         | : -20°C to +40°C       |
| Poles                 | : 4                       | Altitude                    | : 1000 m.a.s.l.        |
| Rated current         | :                         | Protection degree           | : IP55                 |
|                       | YDESCRICAO_CORRENTE       | Cooling method              | : IC411 - TEFC         |
| LRC                   | : 5.5                     | Mounting                    | : B3T                  |
| Rated speed           | : 1415 rpm                | Rotation <sup>1</sup>       | : Both (CW and CCW)    |
| Rated torque          | : 0.810 Nm                | Noise level <sup>2</sup>    | : 44.0 dB(A)           |
| Insulation class      | : F                       | Starting method             | : Direct On Line       |
| Service factor        | : 1.00                    | Approx. weight <sup>3</sup> | : 6.3 kg               |
| Moment of inertia (J) | : 0.0004 kgm <sup>2</sup> |                             |                        |
| Design                | : N                       |                             |                        |

|                |      |      |      |                  |         |
|----------------|------|------|------|------------------|---------|
| Output         | 50%  | 75%  | 100% | Foundation loads |         |
| Efficiency (%) | 53.0 | 60.0 | 64.8 | Max. traction    | : 81 N  |
| Power Factor   | 0.47 | 0.58 | 0.68 | Max. compression | : 142 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) |
|--------------|--------------|---------------|--------------|--------------|---------------|----------------|
| 52.7         | 46.2         | 43.6          | 35.9         | 25.6         | 22.4          | 15.9           |

|                      | Drive end          | Non drive end |
|----------------------|--------------------|---------------|
| Bearing type         | : 6201 ZZ          | : 6201 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   |                 |           | Page    | Revision |
| Date         | 02/03/2026      |           | 1 / 2   |          |

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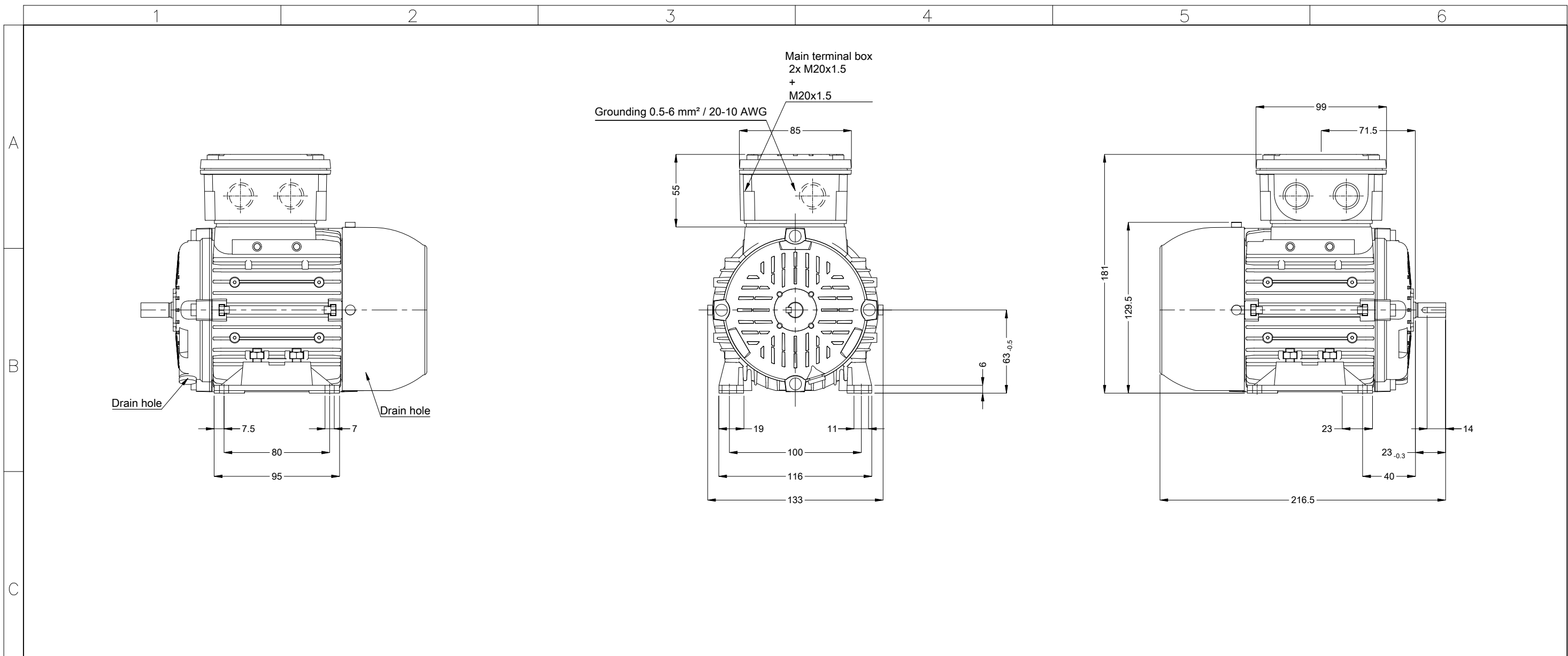


Customer : \_\_\_\_\_

### Thermal protection

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

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|--------------|-----------------|-----------|---------|----------|
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| Checked by   |                 |           | Page    | Revision |
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|  |  |           |            |   |  |          |         |          |      |     |
|--|--|-----------|------------|---|--|----------|---------|----------|------|-----|
|  |  |           |            | 0.12 kW 04 Poles 50 Hz                      |  | A        |         |          |      |     |
|  |  |           |            | Scale                                       |  | 1 : 3    |         |          |      |     |
|  |  |           |            | HYBRISUSER                                  |  | 00       |         |          |      |     |
|  |  | ECM       | LOC        | SUMMARY OF MODIFICATIONS                    |  | EXECUTED | CHECKED | RELEASED | DATE | VER |
|  |  | EXECUTED  | HYBRISUSER | THREE PH. MOTOR MULTIMOUNTIN TOP PREM. EFF. |  | PREVIEW  |         |          |      |     |
|  |  | CHECKED   |            | FRAME 63 IP55 TEFC                          |  | WDD      |         | 00       |      |     |
|  |  | RELEASED  |            |   |  | SHEET    |         | 1 / 1    |      |     |
|  |  | REL. DATE |            |   |  |          |         |          |      |     |

Thermal protection to switch off - thermistors 155°C  
 Color RAL 5009  
 Painting plan 207A  
 Mounting B3T

