

Type : 3EL112M4D-PC-B0-C34

RE: 894729

Date : 03.01.2022

|                                    |                 |                            |                 |
|------------------------------------|-----------------|----------------------------|-----------------|
| Power [kW]                         | : 4.00          | Efficiency Class           | : IE3           |
| Input Voltage [V]                  | : 400           | Duty Cycle                 | : S1            |
| Connection Type [ $\Delta$ / Y]    | : $\Delta$      | Service Factor             | : 1.20          |
| Frequency [Hz]                     | : 50            | Frame Size                 | : 112M          |
| Pole Number                        | : 4             | Weight [kg]                | : 33.9          |
| Nominal Speed [rpm]                | : 1460          | Insulation Class           | : F [155°C]     |
| Nominal Current [A]                | : 8.05          | Temperature Rise           | : B [80°K]      |
| Nominal Moment [Nm]                | : 26.2          | Protection Class           | : IP55          |
| Nominal Efficiency [ $\eta$ ]      | : 88.6          | Vibration Severity Grade   | : A             |
| Power Factor [ $\cos\phi$ ]        | : 0.81          | Method of Cooling          | : IC411         |
| Locked Rotor Current [ $I_a/I_n$ ] | : 7.4           | Direction of Rotation      | : Bidirectional |
| Locked Rotor Torque [Ma/Mn]        | : 2.8           | Balance                    | : Half Key      |
| Breakdown Torque [Mk/Mn]           | : 3.8           | Motor Protection           | : --            |
| Motor Color                        | : RAL 7031      | Altitude Above Sea Level   | : 1000m         |
| Ambient Temperature                | : -15°C / +40°C | Sound Pressure Level [dBA] | : 58            |

### ELECTRICAL DATA

| $\Delta$ / Y | U [V] | f [Hz] | P [kW] | n [rpm] | I [A] | $\eta$ [%] | $\cos\phi$ |
|--------------|-------|--------|--------|---------|-------|------------|------------|
| $\Delta$     | 400   | 50     | 4.00   | 1460    | 8.05  | 88.6       | 0.81       |
| Y            | 690   | 50     | 4.00   | 1460    | 4.65  | 88.6       | 0.81       |
| $\Delta$     | 460   | 60     | 4.55   | 1755    | 7.78  | 89.5       | 0.82       |

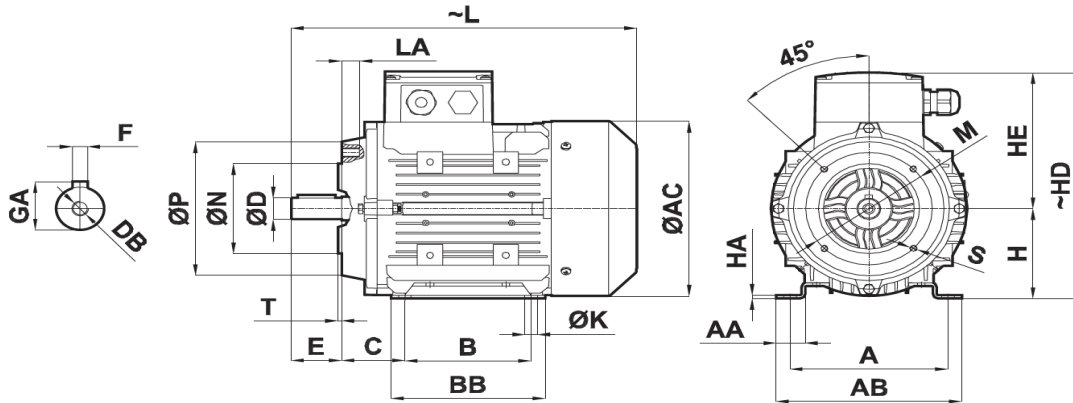
### MECHANICAL DATA

|                                       |                   |
|---------------------------------------|-------------------|
| Moment of Inertia [kgm <sup>2</sup> ] | : 0.01437         |
| Bearing DS / NS                       | : 6206ZZ / 6206ZZ |
| Frame Material                        | : Aluminum        |
| Flange Type / Material                | : B34 / Aluminum  |
| Cooling Fan Material                  | : Plastic         |
| End Shield Material                   | : Aluminum        |

### TERMINAL BOX

|                          |            |
|--------------------------|------------|
| Terminal Box Material    | : Aluminum |
| Terminal Box Position    | : Top      |
| Terminal Box Cable Entry | : M25x1.5  |
| Terminal Box Blind Cap   | : M25x1.5  |
| Contact Screw Thread     | : M5       |

### MECHANICAL DIMENSIONS



| FLANGE TYPE | D  | N   | P     | E  | T   | LA | L   | AC  | S  | M   | H   | HE  | HD  | F | GA | DB  | C  | ØK | B   | BB  | HA | AA | A   | AB  |
|-------------|----|-----|-------|----|-----|----|-----|-----|----|-----|-----|-----|-----|---|----|-----|----|----|-----|-----|----|----|-----|-----|
| B34         | 28 | 110 | 159.5 | 60 | 3.5 | 17 | 390 | 215 | M8 | 130 | 112 | 161 | 273 | 8 | 31 | M10 | 70 | 12 | 140 | 177 | 4  | 36 | 190 | 217 |

Manufactured and tested in accordance with IEC 60034

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\*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

\*MECALINE has right to change all the data without prior notice.