

**Type** : 3EL112M4D-FA-B0-000**Date** : 03.01.2022

|                              |                 |                            |                 |
|------------------------------|-----------------|----------------------------|-----------------|
| Power [kW]                   | : 4.00          | Efficiency Class           | : IE3           |
| Input Voltage [V]            | : 400           | Duty Cycle                 | : S1            |
| Connection Type [Δ / Y]      | : Δ             | 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 [η]       | : 88.6          | Vibration Severity Grade   | : A             |
| Power Factor [cosφ]          | : 0.81          | Method of Cooling          | : IC411         |
| Locked Rotor Current [Ia/In] | : 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**

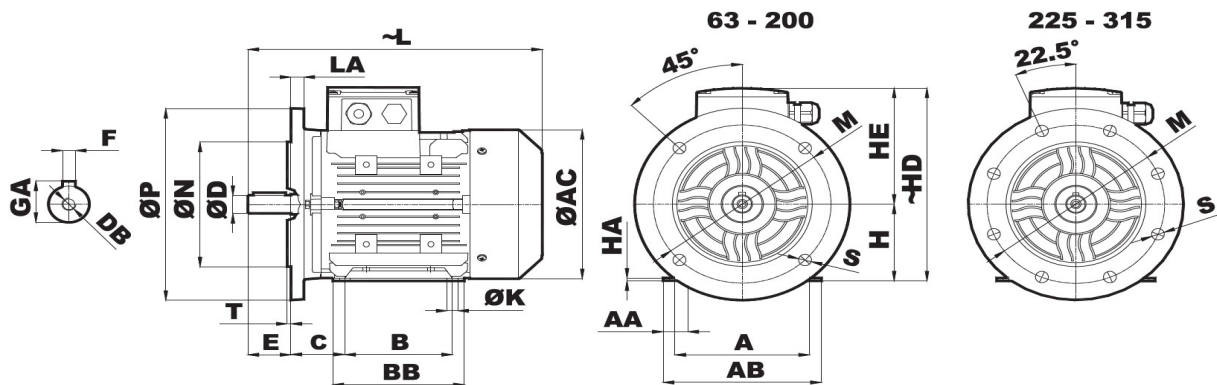
| Δ / Y | U [V] | f [Hz] | P [kW] | n [rpm] | I [A] | η [%] | cosφ |
|-------|-------|--------|--------|---------|-------|-------|------|
| Δ     | 400   | 50     | 4.00   | 1460    | 8.05  | 88.6  | 0.81 |
| Y     | 690   | 50     | 4.00   | 1460    | 4.65  | 88.6  | 0.81 |
| Δ     | 460   | 60     | 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                | : B5 / 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  | E  | N   | P   | T | LA | L   | AC  | S    | M   | H   | HE  | HD  | F | GA | DB  | C  | ØK | B   | BB  | HA | AA | A   | AB  |
|-------------|----|----|-----|-----|---|----|-----|-----|------|-----|-----|-----|-----|---|----|-----|----|----|-----|-----|----|----|-----|-----|
| B5          | 28 | 60 | 180 | 250 | 4 | 15 | 390 | 215 | 14.5 | 215 | 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.

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