

ELMA MOTORS



| Data Sheet | | | | No. | | |
|-----------------------------|-------------------------|------------------------------|---------------------------------------|--------------------------------------|---------------------------|------|
| Three Phase Induction Motor | | | | Drawing No. | | |
| Customer | | | | | | |
| Client reference | | | | | | |
| Type: | | EM2-112M-2 4KW 400 690V 50HZ | | | | |
| Brand | | Elma | | Date 20-11-2013 | | |
| Identification | | | | | | |
| Frame: | 112 | mm | Insulation Class: | F | | |
| Output: | 4 | kW | Temperature Rise: | 39.5K | | |
| Frequency: | 50 | Hz | Service Factor: | 1.00 | | |
| Poles: | 2 | P | Duty: | S1 | | |
| Rated Speed: | 2890 | rpm | Ambient Temperature: | -20~+40°C | | |
| Slip: | 3,7 | % | Altitude: | 1000m | | |
| Rated Voltage: | 400 | V | Protection Degree: | IP55 | | |
| Connection: | Δ | | Cooling: | IC411 | | |
| Rated Current: | 7,5 | A | Mounting: | IM B3 | | |
| Rotor Voltage: | | | Vibration: | 1.6 mm/s | | |
| Connection: | | | Approx. Weight: | 41 | kg | |
| Rotor Current: | | | Moment of Inertia: | 0,0065 | kg/m ² | |
| Locked Rotor Current: | 770 | % | Noise Level (Lp) : | 63,6 | dB(A) | |
| No Load Current: | | | Direction of Rotation: | CW | | |
| Rated Torque: | 13,2 | Nm | Starting Method: | DOL Y/D VFD soft-st | | |
| Locked Rotor Torque: | 300 | % | Coupling: | DIRECT | | |
| Breakdown Torque: | 320 | % | Colour | RAL 7031 | | |
| | | | Load Type: | Constant torque / Quadratical torque | | |
| Performance | | | efficiency class IE2 | | | |
| Output: | 50% | 75% | 100% | Bearing Information | | |
| Efficiency(%) : | 87,6 | 87,9 | 86,83 | DE | NDE | |
| Power Factor: | 0,75 | 0,85 | 0,89 | Bearing: | 6306ZZ/C3 6306ZZ/C3 | |
| | | | | Regreasing int.(h): | | |
| | | | | Grease amount(g) | | |
| | | | | Grease-PolyrexEM | Caltex SRI-2 Caltex SRI-2 | |
| Notes / Accessories | | | Cassification | | | |
| Winding : 3XPTC150°C | | | attest 3.1 3.2 | | | |
| Heaters, 230V 50Hz | | | Bureau Veritas n.a. n.a. | | | |
| | | | Germanischer Lloyd n.a. n.a. | | | |
| | | | Lloyds register of shipping n.a. n.a. | | | |
| | | | RINA n.a. n.a. | | | |
| | | | DNV n.a. n.a. | | | |
| | | | Other n.a. n.a. | | | |
| Standards | | | | PRELIMINARY DOCUMENT | | |
| Specification: | IEC60034-1 / GB755 | | | | | |
| Test: | IEC60034-2-1 / GB/T1032 | | | | | |
| Noise: | IEC60034-9 / GB10069.3 | | | | | |
| Vibration: | IEC60034-14 / GB10068 | | | | | |
| Edition | | | | | | |
| Performed | Checked | Date | | | | |
| | | | | | | |
| Item | Changes | | | Performed | Checked | Date |
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