

ELMA MOTORS



| Data Sheet | | | | No. | |
|-----------------------------|-------------------------|-------------------------------|---------------------------------------|--------------------------------------|---------------------------|
| Three Phase Induction Motor | | | | Drawing No. | |
| Customer | | | | | |
| Client reference | | | | | |
| Type: | | EM2-200L-4 30KW 400 690V 50HZ | | | |
| Brand | | Elma | | Date 20-11-2013 | |
| Identification | | | | | |
| Frame: | 200 | mm | Insulation Class: | F | |
| Output: | 30 | kW | Temperature Rise: | 55.8K | |
| Frequency: | 50 | Hz | Service Factor: | 1.00 | |
| Poles: | 4 | P | Duty: | S1 | |
| Rated Speed: | 1470 | rpm | Ambient Temperature: | -20~+40°C | |
| Slip: | 2.0 | % | Altitude: | 1000m | |
| Rated Voltage: | 400 | V | Protection Degree: | IP55 | |
| Connection: | Δ | | Cooling: | IC411 | |
| Rated Current: | 54,1 | A | Mounting: | IM B3 | |
| Rotor Voltage: | | | Vibration: | 2.2 mm/s | |
| Connection: | | | Approx. Weight: | 248 | kg |
| Rotor Current: | | | Moment of Inertia: | 0,245 | kg/m ² |
| Locked Rotor Current: | 700 | % | Noise Level (Lp) : | 60,4 | dB(A) |
| No Load Current: | | | Direction of Rotation: | Both | |
| Rated Torque: | 194,9 | Nm | Starting Method: | DOL Y/D VFD soft -st | |
| Locked Rotor Torque: | 230 | % | Coupling: | DIRECT | |
| Breakdown Torque: | 280 | % | Colour | RAL 7031 | |
| | | | Load Type: | Constant torque / Quadratical torque | |
| Performance | | | efficiency class IE2 | | |
| Output: | 50% | 75% | 100% | Bearing Information | |
| Efficiency(%) : | 92,3 | 93,1 | 92,97 | DE | NDE |
| Power Factor: | 0,72 | 0,82 | 0,861 | Bearing: | 6312ZZ/C3 6312ZZ/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 | | | |
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| Item | Changes | | Performed | Checked | Date |
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