




| VYBO Electric a.s. | | | |  | | |
|---|-------------|---------|---|---|---------------|--|
| Data Sheet | | | No. | | | |
| Three Phase Squirrel Cage Induction Motor | | | Drawing No. | | | |
| Customer | | | | | | |
| Client reference | | | | | | |
| Type | | | H27R-4503-2 1120KW 6000V 50HZ | | | |
| Brand | | | VYBO Electric | | | |
| General data | | | Environmental conditions | | | |
| Type: | H27R 4503-2 | | Ambient Temperature: | -20~40°C | | |
| Frame: | 450 | mm | Altitude: | 1000m | | |
| Electrical data | | | Mechanical data | | | |
| Power: | 1120 | kW | Temperature Rise: | 80K | | |
| Rated Current: | 122,9 | A | Mounting: | IM B3 | | |
| Speed: | 2986 | rpm | Duty: | S1 | | |
| Frequency: | 50 | Hz | Protection Degree: | IP55 | | |
| Poles: | 2 | P | Insulation Class: | F | | |
| Rated Voltage: | 6000 | V | Cooling: | IC611 (on request IC616, IC666) | | |
| Rated torque | 3582 | Nm | Weight: | 4600 kg | | |
| Connection: | Y | | Vibration: | 2.8 mm/s | | |
| Mmax/Mn: | 2,9 | | Direction of Rotation: | Both | | |
| Mst/Mn: | 0,70 | | Starting Method: | DOL or VFD | | |
| Ist/Mn: | 6,9 | | Load Type: | Parabolic or linear curve | | |
| Jmotor: | 15,3 | kg/m2 | Color: | RAL7030 | | |
| Jload: | 75 | kg/m2 | Paint shade: | shiny | | |
| | | | Rotor cage: | copper bar | | |
| | | | Type of terminal box: | VYBO CB1 | | |
| Performance | | | Bearing Information | | | |
| Output: | 100% | | | DE | NDE | |
| Efficiency (%): | 96,7 | | Bearing: | 6322 | 6322 | |
| Power factor: | 0,91 | | Grease: | CALTEX SRI-2# | CALTEX SRI-2# | |
| Notes / Accessories | | |  | | | |
| 6 x PT100 in windings | | | | | | |
| 1 x PT100 in NDE bearing | | | | | | |
| 1 x PT100 in DE bearing | | | | | | |
| Space Heater 230V | | | | | | |
| Standards | | |  | | | |
| Specification: | IEC60034-1 | | | | | |
| Test: | IEC60034-2 | | | | | |
| Noise: | IEC60034-9 | | | | | |
| Vibration: | IEC60034-14 | | | | | |
| Edition | | | | | | |
| Performed | | Checked | Date | | | |
| | | | | | | |
| Item | Changes | | Performed | Checked | Date | |
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