

VYBO Electric a.s.



Data Sheet

No.

Three Phase Induction Motor

Drawing No.

| | |
|------------------|------------------------------|
| Customer | |
| Client reference | |
| Type | H17R 500-4 1600KW 6000V 50HZ |
| Brand | VYBO Electric |

Identification

| | | | | |
|-----------------------|----------------------|------------------------|---------------------------|----|
| Type: | H17R 500-4 | Frame: | 500 | mm |
| Power: | 1600 kW | Poles: | 4 | P |
| Rated Current: | 185,7 A | Rated Voltage: | 6 000 | V |
| Speed: | 1488 rpm | Connection: | Y | |
| Frequency: | 50 Hz | Insulation Class: | F | |
| Locked Rotor Current: | 650 % | Temperature Rise: | 80K | |
| Rated Torque: | 10268,8 Nm | Service Factor: | 1,0 | |
| Locked Rotor Torque: | 80 % | Duty: | S1 | |
| Breakdown Torque: | 200 % | Ambient Temperature: | -20 ~ 40°C | |
| Noise level: | 100 dB(A) | Altitude: | 1000m | |
| Approx. weight: | 7280 kg | Protection Degree: | IP55 | |
| Rotor inertia: | 73 kg/m ² | Cooling: | IC411 | |
| Slip: | 0,008 | Mounting: | IM B3 | |
| | | Vibration: | 2.8 mm/s | |
| | | Direction of Rotation: | BOTH | |
| | | Starting Method: | DOL | |
| | | Coupling: | DIRECT | |
| | | Load Type: | Parabolic or linear curve | |

Performance

Bearing Information

| | | | | | | |
|-----------------|------|------|------|---------------------|---------------|---------------|
| Output: | 50% | 75% | 100% | | DE | NDE |
| Efficiency (%): | 93,5 | 96,4 | 96,4 | Bearing: | 6330C3 | 6330C3 |
| | | | | Regreasing int.(h): | 4000 | 4000 |
| Power factor: | 0,73 | 0,82 | 0,86 | Grease amount(g): | 110 | 110 |
| | | | | Grease: | CALTEX SRI-2# | CALTEX SRI-2# |

Notes / Accessories

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| With winding RTD: PT100 3 PCS |
| With Bearing RTD: PT100 2 PCS |
| With Space Heater 230V |
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Standards

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|----------------|------------------------|
| Specification: | IEC60034-1 / GB755 |
| Test: | IEC60034-2 / GB/T1032 |
| Noise: | IEC60034-9 / GB10069.3 |
| Vibration: | IEC60034-14 / GB10068 |



Edition

| | | |
|-----------|---------|------|
| Performed | Checked | Date |
| | | |

| Item | Changes | Performed | Checked | Date |
|------|---------|-----------|---------|------|
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