

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22Xdb IE2 Three-Phase

Product code : 13845053

Area classification : ZONA 1, GRUPO IIB, T4 (135 °C)

Catalog # : E03018XP3YAX200LF3-W

| | | | |
|-----------------------|-----------------|-----------------------------|------------------------|
| Frame | : 200M/L | Locked rotor time | : 19s (cold) 11s (hot) |
| Output | : 30 kW (40 HP) | Temperature rise | : 80 K |
| Poles | : 4 | Duty cycle | : S1 |
| Frequency | : 50 Hz | Ambient temperature | : -20°C to +40°C |
| Rated voltage | : 380/660 V | Altitude | : 1000 m.a.s.l. |
| Rated current | : 59.5/34.3 A | Protection degree | : IP56 |
| L. R. Amperes | : 363/209 A | Cooling method | : IC411 - TEFC |
| LRC | : 6.1 | Mounting | : B3T |
| No load current | : 21.6/12.4 A | Rotation ¹ | : Both (CW and CCW) |
| Rated speed | : 1470 rpm | Noise level ² | : 65.0 dB(A) |
| Slip | : 2.00 % | Starting method | : Direct On Line |
| Rated torque | : 144 ft.lb | Approx. weight ³ | : 713 lb |
| Locked rotor torque | : 210 % | | |
| Breakdown torque | : 229 % | | |
| Insulation class | : F | | |
| Service factor | : 1.00 | | |
| Moment of inertia (J) | : 6.90 sq.ft.lb | | |
| Design | : N | | |

| Output | 25% | | 50% | | 75% | | 100% | | Foundation loads | |
|----------------|------|------|------|------|------|------|------|------|------------------|-----------|
| Efficiency (%) | 91.8 | 91.9 | 92.0 | 92.1 | 92.3 | 92.4 | 92.3 | 92.4 | Max. traction | : 963 lb |
| | 91.9 | 92.3 | 92.0 | 92.4 | 92.4 | 93.0 | 92.4 | 93.0 | | |
| Power Factor | 0.44 | 0.40 | 0.68 | 0.64 | 0.78 | 0.75 | 0.83 | 0.81 | Max. compression | : 1676 lb |
| | 0.37 | 0.38 | 0.61 | 0.61 | 0.73 | 0.74 | 0.79 | 0.81 | | |

| | | | | | | |
|----------------------|---|--|--|--|------------------|----------------------|
| | | | | | <u>Drive end</u> | <u>Non drive end</u> |
| Bearing type | : | | | | 6312 C3 | 6212 C3 |
| Sealing | : | | | | Oil Seal | Lip Seal |
| Lubrication interval | : | | | | 20000 h | 20000 h |
| Lubricant amount | : | | | | 21 g | 13 g |
| Lubricant type | : | | | | Mobil Polyrex EM | |

Notes:

EAC
EA3C RU C-BR.AA87.B.00379/20
1Ex db IIB T4 Gb X
ООО «НАННО ЦСВЭ»
IECEX
IECEX INE 22.0044X
Ex db IIB T4 Gb

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.

| Rev. | Changes Summary | Performed | Checked | Date |
|--------------|-----------------|-----------|---------|----------|
| | | | | |
| Performed by | | | | |
| Checked by | | | | |
| Date | 27/03/2024 | | | |
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| | | | 1 / 2 | |

Customer :

Thermal protection

| ID | Application | Type | Quantity | Sensing Temperature |
|----|-------------|----------------------|-----------|---------------------|
| 1 | Winding | Thermistor - 2 wires | 1 x Phase | 150 °C |

Space heater information

Voltage: 200 - 240 V

| Rev. | Changes Summary | | Performed | Checked | Date |
|--------------|-----------------|--|-----------|---------|----------|
| | | | | | |
| Performed by | | | | Page | Revision |
| Checked by | | | | 2 / 2 | |
| Date | 27/03/2024 | | | | |