DATA SHEET

Three Phase Induction Motor - Squirrel Cage



| Customer | : | | | | | |
|--|--------------|--|---|---|--|--|
| Product line | | : Close Coupled Pump NEMA Product code : 11080264 Premium Efficiency Three-Phase | | | | |
| Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class Service factor Moment of inertia (J) Design | | : E143/5JM : 2 HP (1.5 kW) : 2 : 60 Hz : 575 V : 2.00 A : 19.0 A : 9.5x(Code L) : 0.784 A : 3430 rpm : 4.72 % : 0.423 kgfm : 450 % : 350 % : F : 1.15 : 0.0025 kgm² : B | | Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³ | : 27s (cold) 15s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP21 : IC01 - ODP : F-1 : Both (CW and CCW) : 60.0 dB(A) : Direct On Line : 20.0 kg | |
| Output | 50% | 75% | 100% | Foundation loads | | |
| Efficiency (%) Power Factor | 84.0 0.70 | 85.5 0.81 | 86.5 0.87 | Max. traction Max. compression | : 32 kgf : 52 kgf | |
| Bearing type Sealing Lubrication inte Lubricant amou | | : : Wit : | Drive end 6206 ZZ nout Bearing Seal - - | Non drive end 6204 ZZ Without Bearing Seal - | | |

Mobil Polyrex EM

Notes

Lubricant type

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 NEMA MG-1.

| Rev. | | Changes Summary | Performed | Checked | Date |
|--------------|------------|-----------------|-----------|---------|----------|
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| Performed by | | | | | |
| Checked by | | | | Page | Revision |
| Date | 23/10/2024 | | | 1/2 | |

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

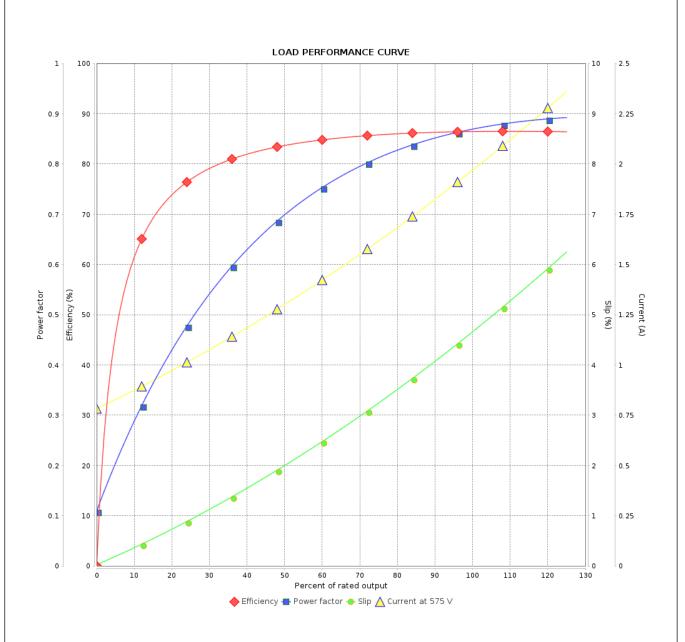
Date

23/10/2024

Product line : Close Coupled Pump NEMA

Premium Efficiency Three-Phase

Product code: 11080264



| Performance | : 5 | 575 V 60 Hz 2P | | | | | | |
|---|---------------------------------|---|--|-----------|--|-------------------------|--|--|
| Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed | : 9 : 0 jue : 4 ie : 3 | 2.00 A 9.5 9.423 kgfm 150 % 850 % 8430 rpm | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design | | : 0.0025 kgm² : Cont.(S1) : F : 1.15 : 80 K : B | : F : 1.15 : 80 K | | |
| Rev. | Changes Summary | | | Performed | Checked | Date | | |
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Revision