DATA SHEET

Three Phase Induction Motor - Squirrel Cage



| Customer | : | | | | |
|---|---------------|--|---|---|---|
| Product line | : Ger Phas | | remium Efficiency ⁻ | Γhree- Product code : | 12043768 |
| Frame Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor tor Breakdown torq Insulation class Service factor Moment of inert Design | que ue | : 213/5TC : 7.5 HP (\$: 4 : 60 Hz : 575 V : 7.22 A : 54.2 A : 7.5x(Cod : 3.04 A : 1765 rpn : 1.94 % : 3.08 kgfr : 200 % : 270 % : F : 1.15 : 0.0388 kg : B | e J) n | Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³ | : 21s (cold) 12s (hot) : 80 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP21 : IC01 - ODP : F-1 : Both (CW and CCW) : 58.0 dB(A) : Direct On Line : 49.0 kg |
| Output | 50% | 75% | 100% | Foundation loads | . 400 los |
| Efficiency (%) Power Factor | 89.0 0.68 | 90.2 0.79 | 91.0 0.84 | Max. traction Max. compression | : 129 kgf : 178 kgf |
| Bearing type : 6208 | | Drive end 6208 ZZ hout Bearing Seal - - | Non drive end 6206 ZZ Without Bearing - - bil Polyrex EM | | |

Notes:

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 |
|--------------|------------|-----------------|-----------|---------|----------|
| | | | | | |
| Performed by | | | | | |
| Checked by | | | | Page | Revision |
| Date | 05/05/2024 | | | 1/2 | |

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

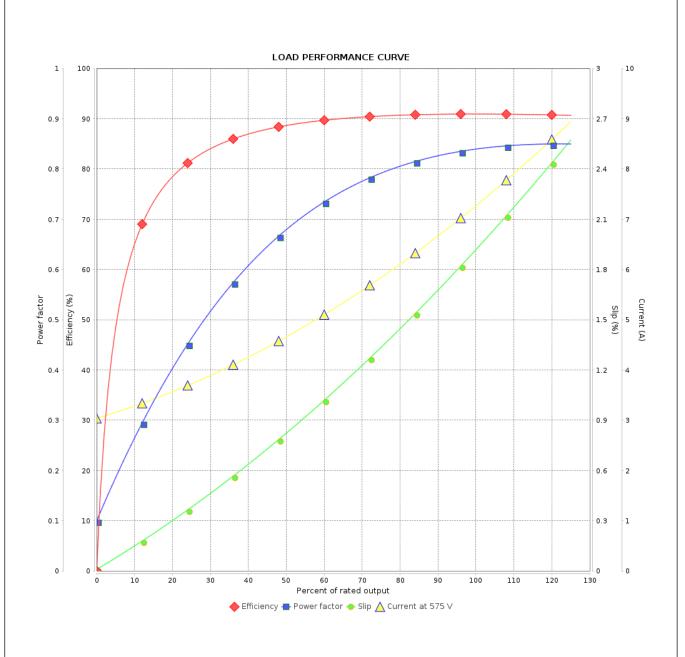
Product line : General NEMA Premium Efficiency Three-

Phase

Product code:

12043768

2/2



| Performance | : 575 V 60 Hz 4P | | | | |
|--|--|--|--|-------------------------|--|
| Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed | : 7.22 A : 7.5 : 3.08 kgfm : 200 % : 270 % : 1765 rpm | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design | : 0.0388 kgm² : Cont.(S1) : F : 1.15 : 80 K : B | : F : 1.15 : 80 K | |
| Rev. | Changes Summary | Performed | Checked | Date | |
| Performed by Checked by | | | Page | Revision | |

05/05/2024

Date