## **DATA SHEET**

## Three Phase Induction Motor - Squirrel Cage



| Customer   | :           |  |  |   |  |
|--|-------------|--|--|---|--|
| Product line   | : Ge<br>Pha |  | remium Efficiency                              | Three- Product code :   | 10730720   |
| 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 |             | : 213/5T<br>: 10 HP (7<br>: 4<br>: 60 Hz<br>: 575 V<br>: 9.90 A<br>: 64.3 A<br>: 6.5x(Cod<br>: 4.36 A<br>: 1765 rpm<br>: 1.94 %<br>: 4.11 kgfn<br>: 210 %<br>: 290 %<br>: F<br>: 1.15<br>: 0.0504 kg | le H)<br>n                                     | Locked rotor time Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation¹ Noise level² Starting method Approx. weight³ | : 10s (cold) 6s (hot) : 105 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP21 : IC01 - ODP : F-1 : Both (CW and CCW) : 59.0 dB(A) : Direct On Line : 54.2 kg |
| Output   | 50%         | 75%  | 100%   | Foundation loads  |  |
| Efficiency (%)   | 90.2        | 91.0   | 91.7   | Max. traction   | : 193 kgf  |
| Power Factor   | 0.64        | 0.76   | 0.83   | Max. compression  | : 248 kgf  |
| Bearing type<br>Sealing<br>Lubrication inte  | rval        | :<br>: Wit   | Drive end<br>6208 ZZ<br>hout Bearing Seal<br>- | Non drive end<br>6206 ZZ<br>Without Bearing   | _  |

Mobil Polyrex EM

Notes:

Lubricant amount 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     |
|--------------|------------|-----------------|-----------|---------|----------|
|              |            |                 |           |         |          |
| Performed by |            |                 |           |         |          |
| Checked by   |            |                 |           | Page    | Revision |
| Date         | 05/02/2024 |                 |           | 1/2     |          |

## LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer :

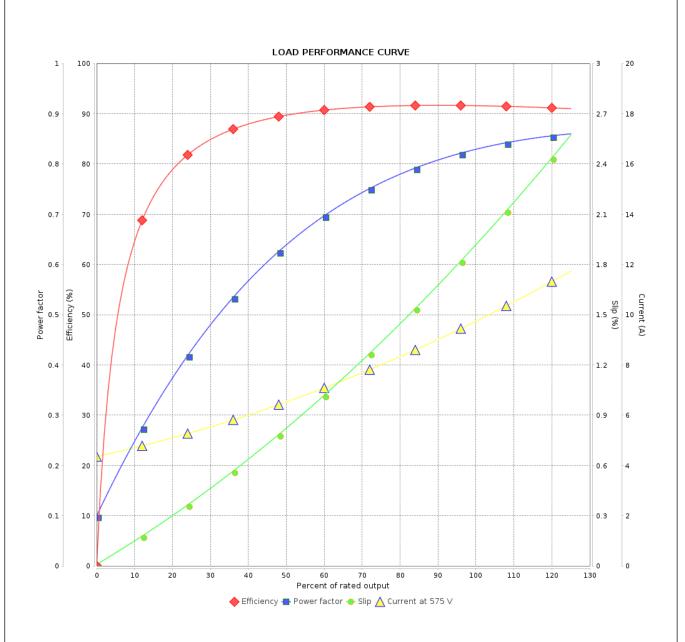
Product line : General NEMA Premium Efficiency Three-

Phase

05/02/2024

Date

Product code: 10730720



| Performance  | : 5                           | 75 V 60 Hz 4P   |  |  |      |   |  |
|--|-------------------------------|---|--|--|------|---|--|
| Rated current<br>LRC<br>Rated torque<br>Locked rotor torque<br>Breakdown torque<br>Rated speed | : 6<br>: 4<br>ue : 2<br>e : 2 | 0.90 A<br>5.5<br>1.11 kgfm<br>110 %<br>190 %<br>765 rpm | Duty cycle<br>Insulation<br>Service fa | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design |      | : 0.0504 kgm²<br>: Cont.(S1)<br>: F<br>: 1.15<br>: 105 K<br>: B |  |
| Rev.   | Changes Summary               |   | Performed                              | Checked  | Date |   |  |
| Performed by Checked by  |                               |   |  |  | Page | Revision  |  |

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