DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 IE3 Three-Phase Product code: 12862849 Frame : 80 Locked rotor time : 45s (cold) 25s (hot) Output : 0.37 kW Temperature rise : 80 K Poles Duty cycle : S1 : 6 Frequency : 50 Hz Ambient temperature : -20°C to +40°C Rated voltage : 230/400 V Altitude : 1000 m.a.s.l. Protection degree Rated current : 1.69/0.969 A : IP55 Cooling method : IC411 - TEFC L. R. Amperes : 7.58/4.36 A LRC : 4.5 Mounting : B5T No load current : 1.10/0.630 A Rotation¹ : Both (CW and CCW) Rated speed : 925 rpm Noise level² : 43.0 dB(A) Slip : 7.50 % Starting method : Direct On Line Rated torque : 0.390 kgfm Approx. weight3 : 15.1 kg Locked rotor torque : 190 % Breakdown torque : 210 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.0025 kgm² Design : N Output 50% 75% 100% Foundation loads Efficiency (%) 66.0 69.5 73.5 Max. traction : 20 kgf Power Factor 0.51 0.65 0.75 Max. compression : 35 kgf Non drive end Drive end 6204 ZZ 6203 ZZ Bearing type Oil Seal Oil Seal Sealing Lubrication interval Lubricant amount Lubricant type Mobil 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 IEC 60034-1.

| Rev. | | Changes Summary | Performed | Checked | Date |
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VFD OPERATION CURVE

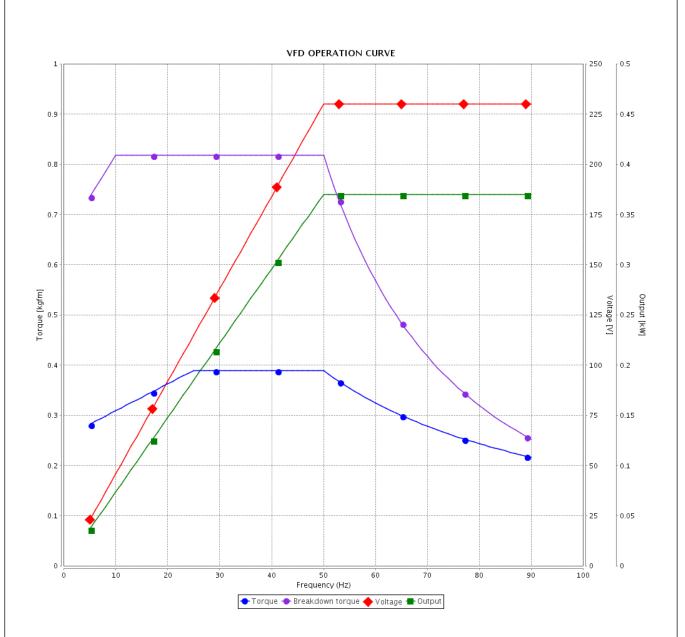
Three Phase Induction Motor - Squirrel Cage



Customer

Performed by

Product line : W22 IE3 Three-Phase Product code: 12862849



| Performance | | : 230/400 V 50 Hz 6P | | | | | |
|---|-----------------|--|--|--|------|---|--|
| Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed | | : 1.69/0.969 A : 4.5 : 0.390 kgfm : 190 % : 210 % : 925 rpm | Duty cycle Insulation Service fa | Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design | | : 0.0025 kgm² : S1 : F : 1.00 : 80 K : N | |
| Rev. | Changes Summary | | Performed | Checked | Date | | |

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