DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 Brake Motor NEMA Premium Product code: 14742134 Efficiency Three-Phase Frame : 143/5TC Locked rotor time : 25s (cold) 14s (hot) Output : 1.5 HP (1.1 kW) Temperature rise : 80 K Poles : 4 Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 575 V Altitude : 1000 m.a.s.l. : IP55 Protection degree Rated current : 1.68 A L. R. Amperes : 14.1 A Cooling method : IC411 - TEFC **LRC** : 8.4x(Code L) Mounting : F-1 No load current : 0.960 A Rotation¹ : Both (CW and CCW) Rated speed : 1755 rpm Noise level² : 51.0 dB(A) Slip : 2.50 % Starting method : Direct On Line Rated torque : 0.620 kgfm Approx. weight³ : 27.6 kg Locked rotor torque : 290 % Breakdown torque : 350 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.0060 kgm² Design : B 75% 50% 100% Foundation loads Output Efficiency (%) 82.5 85.5 86.5 Max. traction : 48 kgf Power Factor 0.54 0.67 0.76 Max. compression : 75 kgf Losses at normative operating points (speed;torque), in percentage of rated output power P2 (0,5;1,0) P4 (0,9;0,5) P1 (0,9;1,0) P3 (0,25;1,0) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0,25) 14.7 12.1 12.0 8.7 4.9 3.6 6.1 Drive end Non drive end Bearing type 6205 ZZ 6204 ZZ V'Ring Lip Seal Sealing Lubrication interval Lubricant amount Lubricant type Mobil Polyrex EM Notes This revision replaces and cancel the previous one, which These are average values based on tests with sinusoidal must be eliminated. power supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end. MG-1. (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.

| (1) | | | | | |
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DATA SHEET



| Three Phase Induction Motor - Squirrel Cage | | | <u> </u> | | |
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| Customer | : | | | | <u>. </u> |
| | | Dualta infarmantin | | | |
| Voltage: 525-575 Brake Torque: 1. | 5 V 63 kgfm | Brake information | n | | |
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LOAD PERFORMANCE CURVE

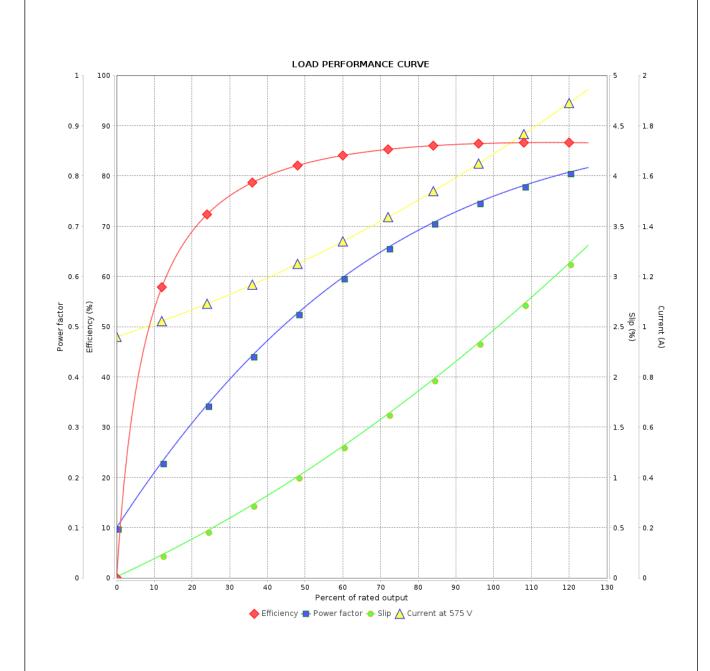
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Brake Motor NEMA Premium Product code : 14742134

Efficiency Three-Phase



| Performance | : 575 V 60 Hz 4P | | | | | |
|---------------------|-------------------|-----------------------|------------------|---------------|-------------|--|
| 1 CHOITIANCE | . 373 ¥ 00 112 41 | | | | | |
| Rated current | : 1.68 A | Moment of inertia (J) | | : 0.0060 kgm² | | |
| LRC | : 8.4 | Duty cycle | Duty cycle | | : Cont.(S1) | |
| Rated torque | : 0.620 kgfm | Insulation | Insulation class | | : F | |
| Locked rotor torque | : 290 % | Service fa | Service factor | | : 1.25 | |
| Breakdown torque | : 350 % | Temperati | Temperature rise | | : 80 K | |
| Rated speed | : 1755 rpm | Design | Design | | : B | |
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