DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 IEEE 841 NEMA Premium Product code: 13585398 Efficiency Three-Phase : 254/6TC Locked rotor time Frame : 34s (cold) 19s (hot) Output : 20 HP (15 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : 2 Frequency : 60 Hz Ambient temperature : -20°C to +40°C : 1000 m.a.s.l. Rated voltage : 575 V Altitude Protection degree : IP56 Rated current : 18.6 A L. R. Amperes : 113 A Cooling method : IC411 - TEFC **LRC** : 6.1x(Code G) Mounting : F-1 No load current : 5.20 A Rotation¹ : Both (CW and CCW) Rated speed : 3520 rpm Noise level² : 72.0 dB(A) Slip : 2.22 % Starting method : Direct On Line Rated torque : 4.12 kgfm Approx. weight³ : 142 kg Locked rotor torque : 220 % Breakdown torque : 250 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.0647 kgm² Design : B 75% Output 50% 100% Foundation loads Efficiency (%) 91.0 91.7 91.0 Max. traction : 91 kgf : 233 kgf Power Factor 0.80 0.87 0.89 Max. compression 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) 9.0 7.0 6.8 4.6 2.6 1.6 0.9 Drive end Non drive end Bearing type 6309 C3 6209 C3 Inpro/Seal Inpro/Seal Sealing 20000 h Lubrication interval 19000 h Lubricant amount 13 g 9 g 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.

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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



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Customer :

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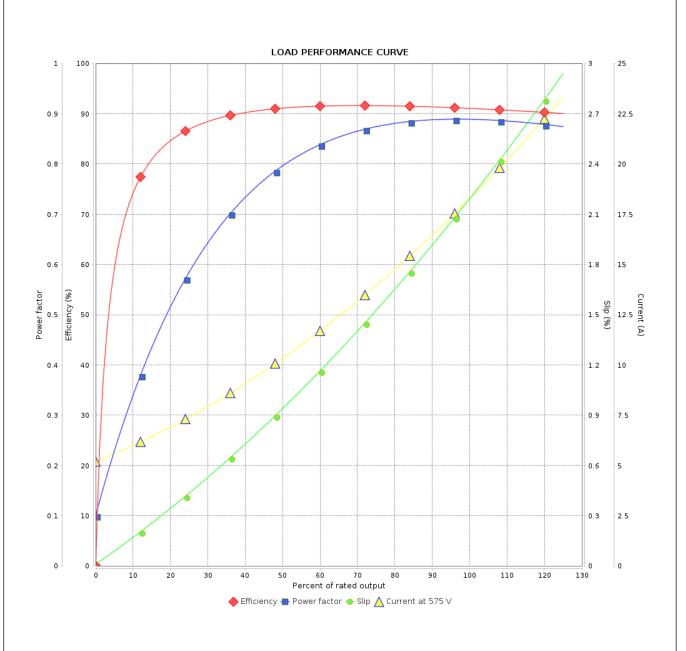
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22/10/2024

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 13585398



Performance : 575 V 60 Hz 2P : 18.6 A : 0.0647 kgm² Rated current Moment of inertia (J) **LRC** Duty cycle : Cont.(S1) : 6.1 Insulation class Rated torque : 4.12 kgfm : F Locked rotor torque : 220 % Service factor : 1.25 Breakdown torque : 250 % Temperature rise : 80 K Rated speed : 3520 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

