DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 IEEE 841 NEMA Premium Product code: 12810853 Efficiency Three-Phase : 254/6TC Locked rotor time Frame : 46s (cold) 26s (hot) Output : 10 HP (7.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C : 1000 m.a.s.l. Rated voltage : 575 V Altitude Rated current : 10.3 A Protection degree : IP55 : IC411 - TEFC L. R. Amperes : 64.0 A Cooling method **LRC** : 6.2x(Code H) Mounting : F-1 : Both (CW and CCW) No load current : 4.80 A Rotation¹ Rated speed : 1175 rpm Noise level² : 59.0 dB(A) Slip : 2.08 % Starting method : Direct On Line Rated torque : 6.17 kgfm Approx. weight³ : 133 kg Locked rotor torque : 220 % Breakdown torque : 270 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.1867 kgm² Design : B 50% 75% Output 100% Foundation loads Efficiency (%) 90.2 91.0 91.0 Max. traction : 196 kgf Power Factor 0.63 0.74 0.80 Max. compression : 328 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) 10.9 9.4 8.9 5.6 4.0 2.9 2.0 Drive end Non drive end Bearing type 6309 C3 6209 C3 Sealing Taconite Labyrinth Taconite Labyrinth 20000 h 20000 h Lubrication interval 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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Rev.	Changes Summary		Performed	Checked	Date
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Checked by				Page	Revision
Date	22/10/2024			1/2	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

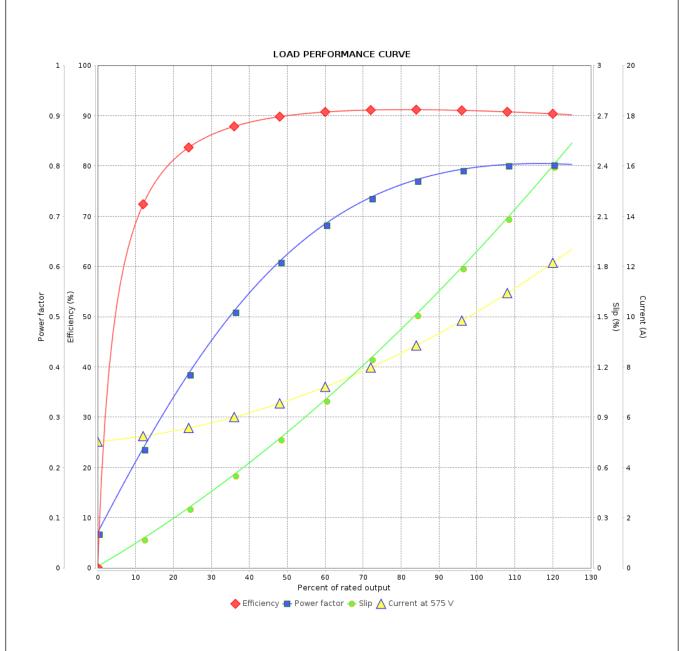
Date

22/10/2024

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 12810853



Performance : 575 V 60 Hz 6P : 10.3 A : 0.1867 kgm² Rated current Moment of inertia (J) **LRC** : 6.2 Duty cycle : Cont.(S1) Insulation class Rated torque : 6.17 kgfm : F Locked rotor torque : 220 % Service factor : 1.25 Breakdown torque : 270 % Temperature rise : 80 K Rated speed : 1175 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by Checked by Revision Page

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