## **DATA SHEET**



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 IEEE 841 NEMA Premium Efficiency Product code: 13533095 : 182/4TC Frame Locked rotor time : 41s (cold) 23s (hot) Output : 3 HP (2.2 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. Protection degree Rated current : 3.13 A : IP56 L. R. Amperes Cooling method : IC411 - TEFC : 25.3 A **LRC** : 8.1x(Code K) Mounting : F-1 : Both (CW and CCW) No load current : 1.60 A Rotation<sup>1</sup> Rated speed : 1760 rpm Noise level<sup>2</sup> : 56.0 dB(A) Slip : 2.22 % Starting method : Direct On Line Rated torque : 1.24 kgfm Approx. weight3 : 46.8 kg Locked rotor torque : 220 % Breakdown torque : 330 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.0143 kgm<sup>2</sup> Design : B 25% 50% 75% 100% Foundation loads Output Efficiency (%) 86.4 87.5 88.5 89.5 Max. traction : 62 kgf : 109 kgf Power Factor 0.36 0.61 0.71 0.79 Max. compression Losses at normative operating points (speed;torque), in percentage of rated output power P4 (0,9;0,5) P1 (0,9;1,0) P2 (0,5;1,0) P3 (0,25;1,0) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0,25) 11.0 8.9 8.8 4.0 3.0 2.1 Drive end Non drive end Bearing type 6206 C3 6207 C3 Inpro/Seal Inpro/Seal Sealing 20000 h Lubrication interval 20000 h Lubricant amount 7 g 5 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



Customer :

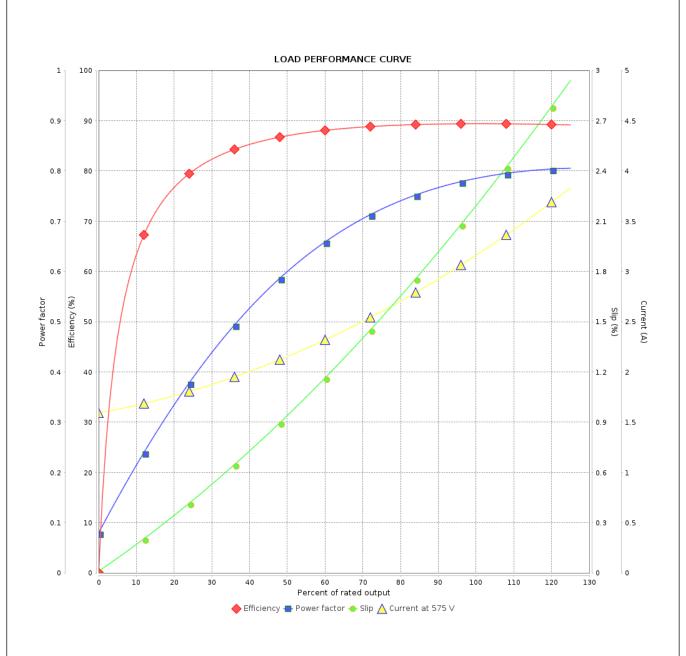
Product line : W22 IEEE 841 NEMA Premium Efficiency

Three Dhase

Product code:

13533095

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Performance	: 575	: 575 V 60 Hz 4P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	ue : 220 e : 330	4 kgfm	Moment of Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.0143 kgm <sup>2</sup> : Cont.(S1) : F : 1.25 : 80 K : B	2			
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