DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 Brake Motor NEMA Premium Product code: 14815569 Efficiency Three-Phase : 284/6TC Locked rotor time Frame : 36s (cold) 20s (hot) Output : 30 HP (22 kW) Temperature rise : 80 K Poles : 4 Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C : 1000 m.a.s.l. Rated voltage : 575 V Altitude Protection degree : IP55 Rated current : 28.1 A L. R. Amperes : 171 A Cooling method : IC411 - TEFC **LRC** : 6.1x(Code G) Mounting : F-1 No load current : 9.84 A Rotation¹ : Both (CW and CCW) Rated speed : 1770 rpm Noise level² : 63.0 dB(A) Slip : 1.67 % Starting method : Direct On Line Rated torque : 12.3 kgfm Approx. weight³ : 236 kg Locked rotor torque : 240 % Breakdown torque : 240 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.2467 kgm² Design : B 25% 100% Output 50% 75% Foundation loads Efficiency (%) 0.000 93.0 93.0 93.6 Max. traction : 304 kgf Power Factor 0.00 0.70 0.80 0.84 Max. compression : 540 kgf Losses at normative operating points (speed;torque), in percentage of rated output power P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P1 (0,9;1,0) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0,25) 6.8 5.8 3.1 2.2 0.9 5.2 Drive end Non drive end Bearing type 6311 C3 6211 C3 V'Ring Lip Seal Sealing 20000 h 20000 h Lubrication interval Lubricant amount 18 g 11 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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DATA SHEET



Three Pha	se induction	n Motor - Squirrel Cage			
Customer	:				
Voltage: 220-240 Brake Torque: 26) V 6.5 kgfm	Brake information	n		
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Date

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

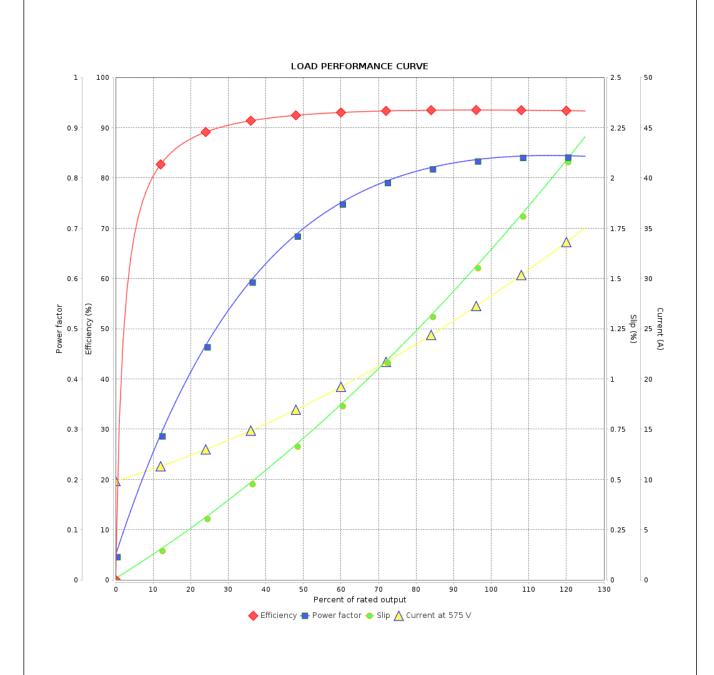
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Date

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Product line : W22 Brake Motor NEMA Premium Product code : 14815569

Efficiency Three-Phase



Performance	: 575 V 60 Hz 4P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 28.1 A : 6.1 : 12.3 kgfm : 240 % : 240 % : 1770 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.2467 kgm² : Cont.(S1) : F : 1.25 : 80 K : B			
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