DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 Brake Motor NEMA Premium Product code: 16812341 Efficiency Three-Phase Frame : 143/5TC Locked rotor time : 21s (cold) 12s (hot) Output : 2 HP (1.5 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : 2 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 : 2.15 A L. R. Amperes : 19.2 A Cooling method : IC411 - TEFC **LRC** : 8.9x(Code L) Mounting : F-1 No load current : 0.960 A Rotation¹ : Both (CW and CCW) Rated speed : 3500 rpm Noise level² : 68.0 dB(A) Slip : 2.78 % Starting method : Direct On Line Rated torque : 0.415 kgfm Approx. weight³ : 28.2 kg Locked rotor torque : 270 % Breakdown torque : 380 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.0026 kgm² Design : B 75% 50% 100% Foundation loads Output Efficiency (%) 82.5 85.5 85.5 Max. traction : 30 kgf Max. compression Power Factor 0.64 0.76 0.82 : 59 kgf Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) P2 (0,5;1,0) P3 (0,25;1,0) P4 (0,9;0,5) P5 (0,5;0,5) P6 (0,5;0,25) P7 (0,25;0,25) 15.7 12.3 11.6 8.8 5.4 3.9 2.7 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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		Dualta infarmantin				
Voltage: 525-575 Brake Torque: 1.	5 V 63 kgfm	Brake information	n			
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Date

LOAD PERFORMANCE CURVE

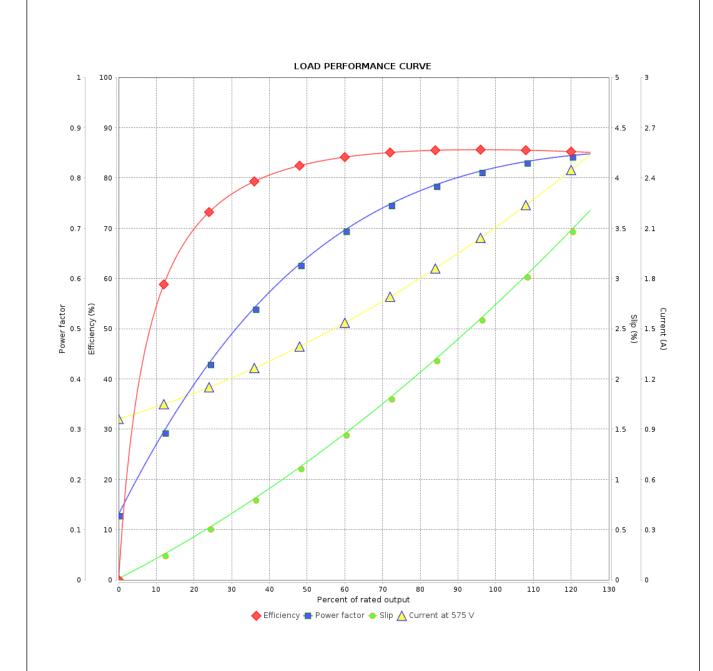
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Brake Motor NEMA Premium Product code : 16812341

Efficiency Three-Phase



Rev.	Changes Summary		Performed	Checked	Date	
Rated speed	: 3500 rpm	Design		: B		
Breakdown torque	: 380 %	Duty cycle : Cont.(S1) Insulation class : F Service factor : 1.25 Temperature rise : 80 K		· · · - ·		
Locked rotor torque	: 270 %					
Rated torque	: 0.415 kgfm			: F		
LRC	: 8.9			: Cont.(S1)		
Rated current	: 2.15 A	Moment of inertia (J) : 0.0026 kgm²		!		
Performance	: 575 V 60 Hz 2P					

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