## **DATA SHEET**



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 Brake Motor NEMA Premium Efficiency Product code : 14138271 : 254/6TC Frame Locked rotor time : 54s (cold) 30s (hot) Output : 20 HP (15 kW) Temperature rise : 80 K Poles 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 : IP55 Rated current : 19.3 A L. R. Amperes : 133 A Cooling method : IC411 - TEFC **LRC** : 6.9x(Code H) Mounting : F-1 : 7.68 A No load current Rotation<sup>1</sup> : Both (CW and CCW) Rated speed : 1770 rpm Noise level<sup>2</sup> : 64.0 dB(A) Slip : 1.67 % Starting method : Direct On Line Rated torque : 8.20 kgfm Approx. weight3 : 179 kg Locked rotor torque : 240 % Breakdown torque : 260 % : F Insulation class Service factor : 1.25 Moment of inertia (J) : 0.1305 kgm<sup>2</sup> Design : B 50% 75% 100% Foundation loads Output Efficiency (%) 91.7 92.4 93.0 Max. traction : 246 kgf Power Factor 0.68 0.79 0.84 Max. compression : 425 kgf Losses at normative operating points (speed;torque), in percentage of rated output power P2 (0,5;1,0) P1 (0,9;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) 7.5 6.4 3.6 1.6 1.1 5.8 2.5 Drive end Non drive end Bearing type 6309 C3 6209 C3 V'Ring Lip Seal Sealing 20000 h Lubrication interval 20000 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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## DATA SHEET



Three Phase Induction Motor - Squirrel Cage			<u>WEY</u>		
Customer	:				
Voltago: 525 575 V	Brake informat	ion			
Voltage: 525-575 V Brake Torque: 15.3 kgfm					
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## LOAD PERFORMANCE CURVE

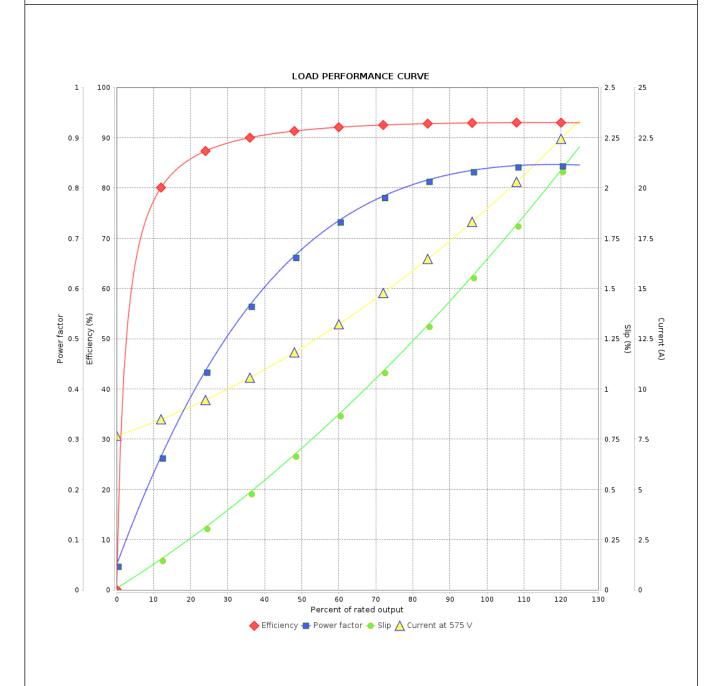
## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Brake Motor NEMA Premium Efficiency Product code : 14138271

Three-Phase



Performance	: 575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 6.9 Duty : 8.20 kgfm Insu : 240 % Serv		class	: 0.1305 kgm² : Cont.(S1) : F : 1.25 : 80 K	
Rated speed	: 1770 rpm	Design		: B	
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