## **DATA SHEET**



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 Brake Motor NEMA Premium Efficiency Product code : 13924894 : 213/5T Frame Locked rotor time : 36s (cold) 20s (hot) Output : 7.5 HP (5.5 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. Rated current Protection degree : IP55 : 7.34 A L. R. Amperes : 52.1 A Cooling method : IC411 - TEFC **LRC** : 7.1x(Code H) Mounting : F-1 : Both (CW and CCW) No load current : 3.36 A Rotation<sup>1</sup> Rated speed : 1765 rpm Noise level<sup>2</sup> : 58.0 dB(A) Slip : 1.94 % Starting method : Direct On Line Rated torque : 3.08 kgfm Approx. weight<sup>3</sup> : 86.8 kg Locked rotor torque : 220 % Breakdown torque : 310 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0566 kgm<sup>2</sup> Design : B 75% Output 50% 100% Foundation loads Efficiency (%) 89.5 91.0 91.7 Max. traction : 133 kgf Power Factor 0.66 0.76 0.82 Max. compression : 220 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) 8.8 7.0 6.5 4.9 3.3 2.4 1.6 Drive end Non drive end Bearing type 6308 ZZ 6207 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.

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Date	15/01/2024			1/3	

## DATA SHEET



Three Pha	se Induction	<u> </u>			
Customer	:				
Voltage: 525-578 Brake Torque: 8.	5 V 15 kgfm	Brake informa	ation		
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2/3

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## LOAD PERFORMANCE CURVE

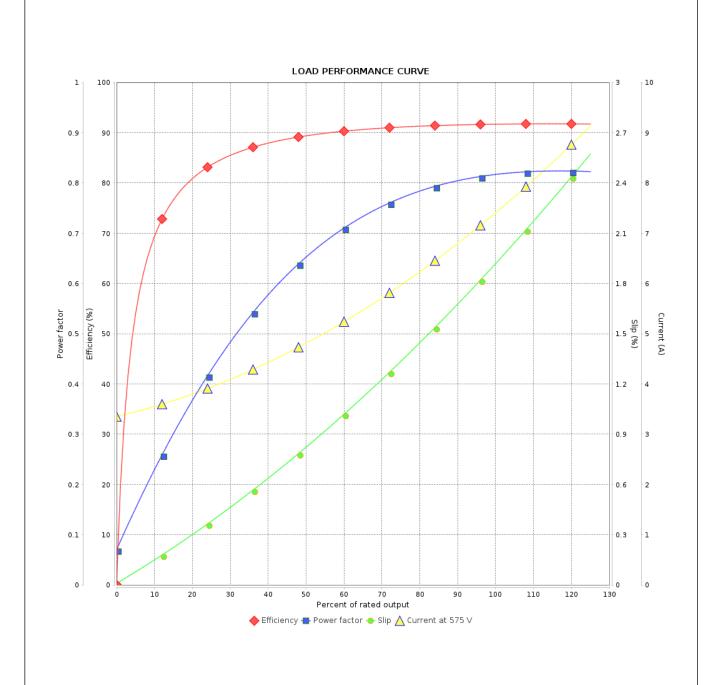
## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Brake Motor NEMA Premium Efficiency Product code : 13924894

Three-Phase



Performance		: 575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 7.34 A : 7.1 : 3.08 kgfm : 220 % : 310 % : 1765 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0566 kgm <sup>2</sup> : Cont.(S1) : F : 1.25 : 80 K : B	
Rev. Changes Summary		1	Performed	Checked	Date	

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Date	15/01/2024				3/3	
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