

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line	: W22 Brake Motor NEMA Premium Efficiency Three-Phase					
Product code	: 13972891					
Frame : 254/6T Output : 10 HP (7.5 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 575 V Rated current : 10.6 A L. R. Amperes : 69.2 A LRC : 6.5x(Code H) No load current : 4.80 A Rated speed : 1175 rpm Slip : 2.08 % Rated torque : 6.18 kgfm Locked rotor torque : 229 % Breakdown torque : 280 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.1867 kgm ² Design : B	Locked rotor time : 46s (cold) 26s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 59.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 165 kg					
Output	50% 75% 100%					
Efficiency (%)	90.2 91.0 91.0					
Power Factor	0.63 0.74 0.78					
Foundation loads						
Max. traction : 190 kgf						
Max. compression : 354 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)
9.8	8.4	7.8	5.0	3.6	2.5	1.8
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6309 C3		6209 C3		
Sealing	:	V'Ring		Lip Seal		
Lubrication interval	:	20000 h		20000 h		
Lubricant amount	:	13 g		9 g		
Lubricant type	:	Mobil Polyrex EM				
Notes:						
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (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.				These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.		
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Brake information

Voltage: 525-575 V
Brake Torque: 15.3 kgfm

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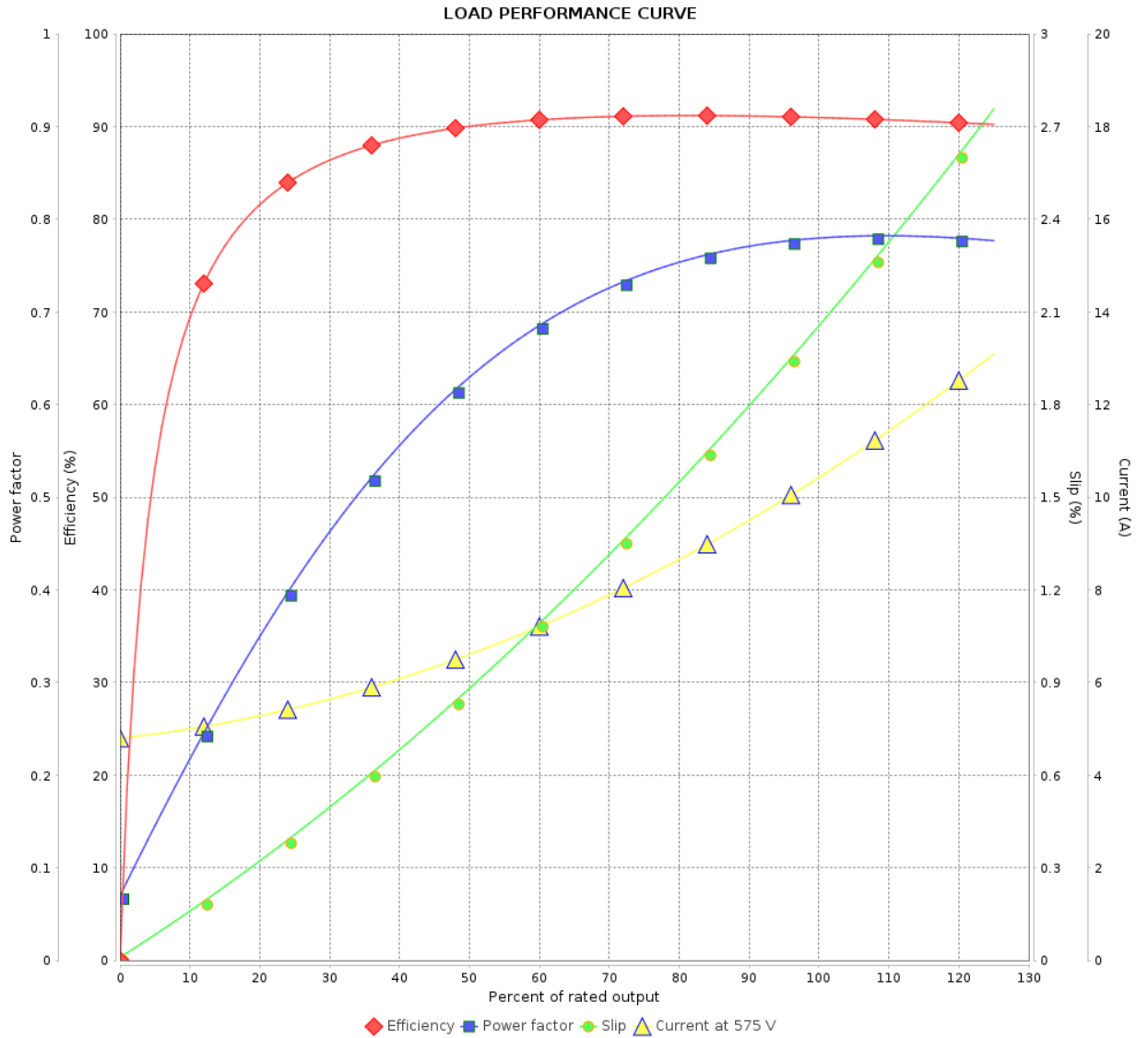
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 Brake Motor NEMA Premium Efficiency Product code : 13972891
 Three-Phase



Performance : 575 V 60 Hz 6P

Rated current : 10.6 A
 LRC : 6.5
 Rated torque : 6.18 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 280 %
 Rated speed : 1175 rpm

Moment of inertia (J) : 0.1867 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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