

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line	: W22 Brake Motor NEMA Premium Efficiency Three-Phase						
Product code	: 15511033						
Frame : 213/5TC Output : 5 HP (3.7 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 575 V Rated current : 5.46 A L. R. Amperes : 37.2 A LRC : 6.8x(Code J) No load current : 2.76 A Rated speed : 1170 rpm Slip : 2.50 % Rated torque : 3.10 kgfm Locked rotor torque : 170 % Breakdown torque : 260 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0620 kgm ² Design : B	Locked rotor time : 102s (cold) 57s (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 : 55.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 92.3 kg						
Output	50% 75% 100%						
Efficiency (%)	88.5 89.5 89.5						
Power Factor	0.58 0.70 0.76						
Foundation loads							
Max. traction : 103 kgf							
Max. compression : 195 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)	
11.1	9.1	8.9	5.7	3.9	2.8	2.0	
		<u>Drive end</u>		<u>Non drive end</u>			
Bearing type	:	6308 ZZ		6207 ZZ			
Sealing	:	V'Ring		Lip Seal			
Lubrication interval	:	-		-			
Lubricant amount	:	-		-			
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: 8.15 kgfm

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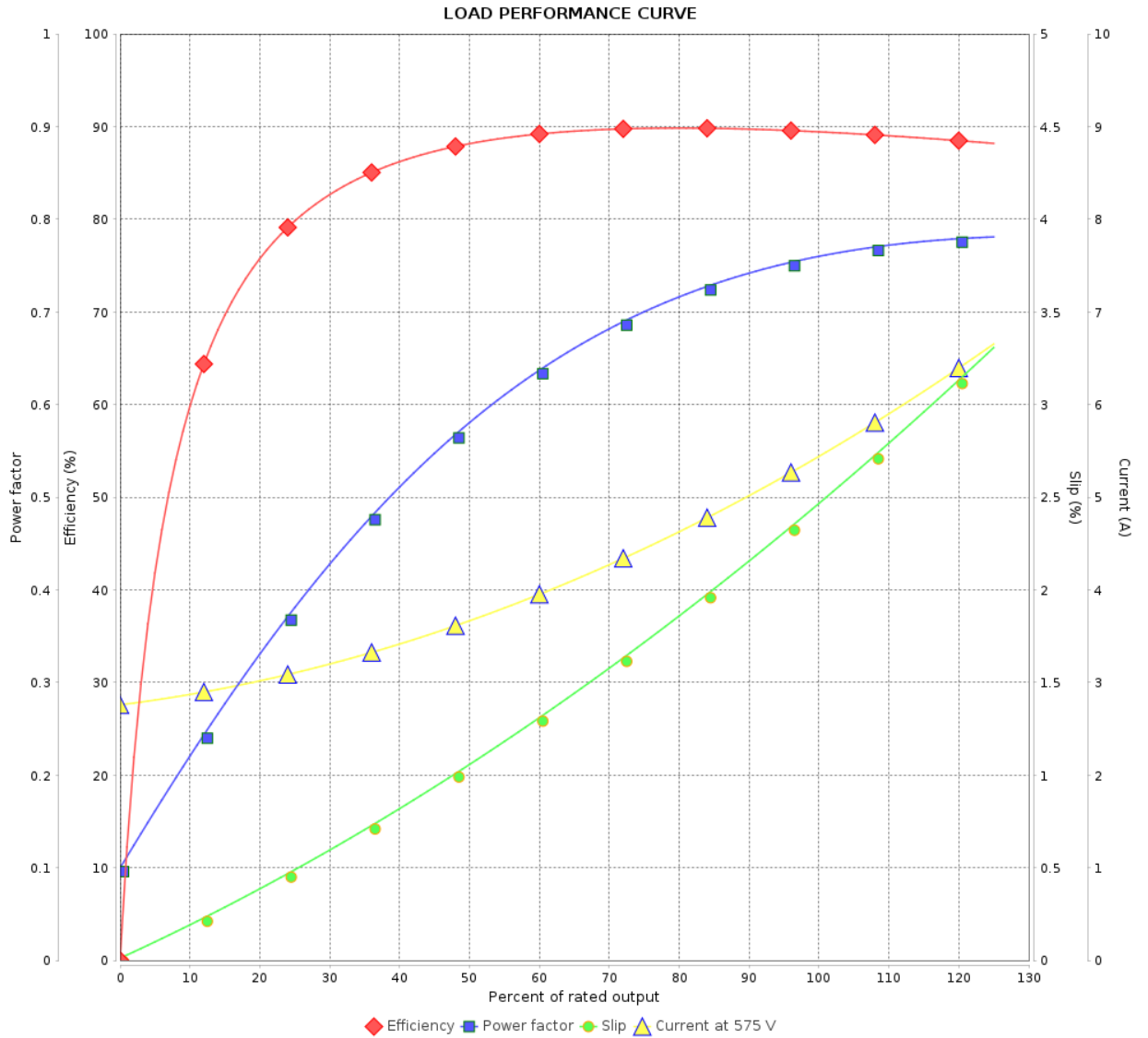
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Brake Motor NEMA Premium Efficiency Product code : 15511033
Three-Phase



Performance : 575 V 60 Hz 6P

Rated current	: 5.46 A	Moment of inertia (J)	: 0.0620 kgm ²
LRC	: 6.8	Duty cycle	: Cont.(S1)
Rated torque	: 3.10 kgfm	Insulation class	: F
Locked rotor torque	: 170 %	Service factor	: 1.25
Breakdown torque	: 260 %	Temperature rise	: 80 K
Rated speed	: 1170 rpm	Design	: B

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