

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line	: W22 IEEE 841 NEMA Premium Efficiency Three-Phase					
Product code :	11939456					
Frame : 213T Output : 3 HP (2.2 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 575 V Rated current : 3.53 A L. R. Amperes : 24.7 A LRC : 7.0x(Code K) No load current : 2.20 A Rated speed : 1175 rpm Slip : 2.08 % Rated torque : 1.85 kgfm Locked rotor torque : 200 % Breakdown torque : 280 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0504 kgm ² Design : B	Locked rotor time : 104s (cold) 58s (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 : 70.4 kg					
Output	50% 75% 100%					
Efficiency (%)	86.5 88.5 89.5					
Power Factor	0.50 0.63 0.70					
Foundation loads						
Max. traction : 60 kgf						
Max. compression : 131 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)
11.0	8.5	7.7	6.7	4.4	3.4	2.5
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6308 C3		6207 C3		
Sealing	:	Taconite Labyrinth		Taconite Labyrinth		
Lubrication interval	:	20000 h		20000 h		
Lubricant amount	:	11 g		7 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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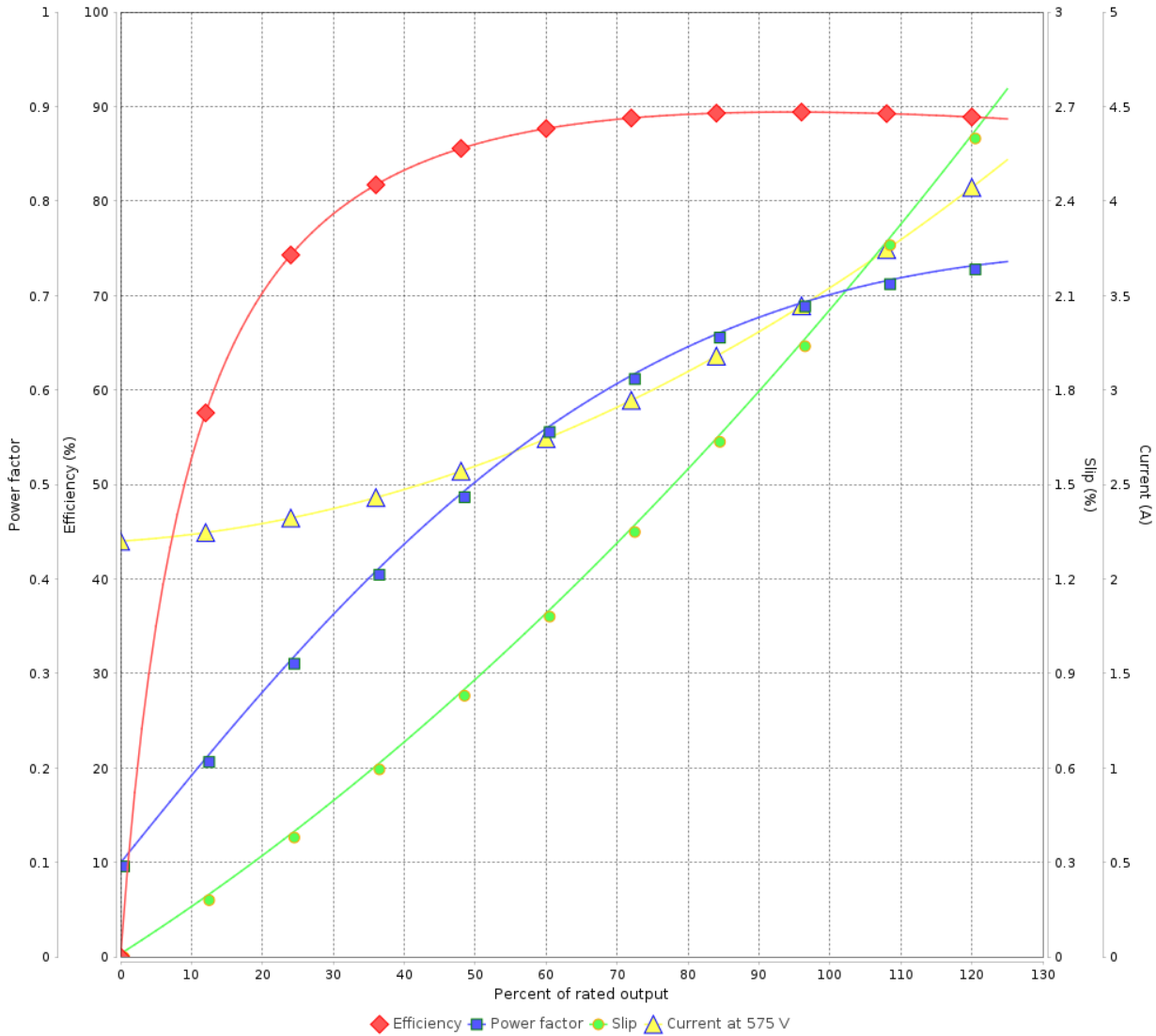
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Performance : 575 V 60 Hz 6P

Rated current	: 3.53 A	Moment of inertia (J)	: 0.0504 kgm ²
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 1.85 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.25
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 1175 rpm	Design	: B

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