

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 IEEE 841 NEMA Premium Efficiency Three-Phase		Product code : 12142698				
Frame : 213/5TD Output : 10 HP (7.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 575 V Rated current : 9.28 A L. R. Amperes : 66.8 A LRC : 7.2x(Code H) No load current : 2.72 A Rated speed : 3510 rpm Slip : 2.50 % Rated torque : 2.07 kgfm Locked rotor torque : 220 % Breakdown torque : 290 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0268 kgm ² Design : B	Locked rotor time : 43s (cold) 24s (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 : 68.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 74.0 kg					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	89.5	90.2	90.2	Max. traction : 74 kgf	
Power Factor	0.00	0.79	0.87	0.90	Max. compression : 148 kgf	
			<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:		6308 C3		6207 C3	
Sealing	:		Inpro/Seal		Inpro/Seal	
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.			
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	13/01/2024				1 / 2	

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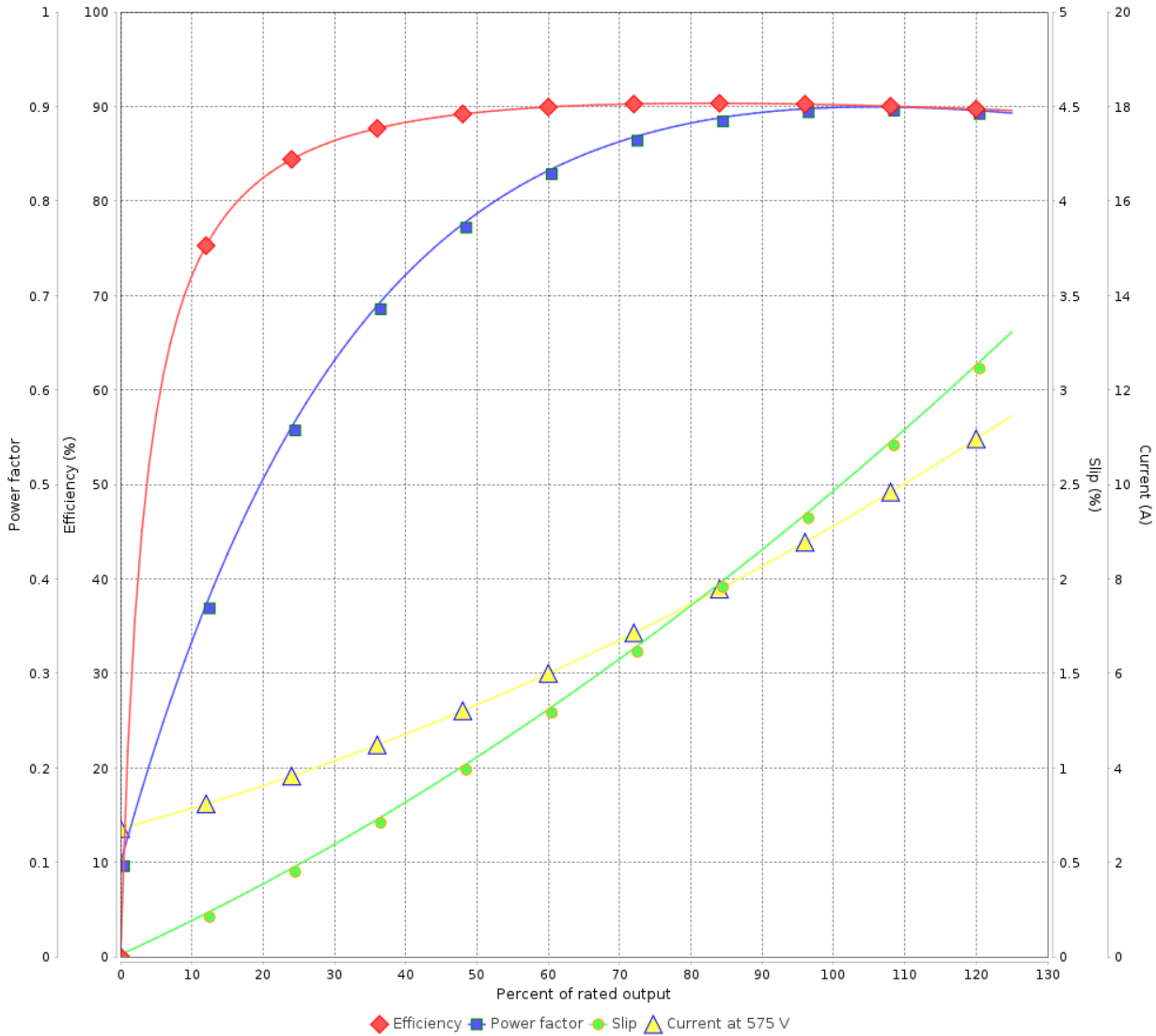
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Performance : 575 V 60 Hz 2P

Rated current	: 9.28 A	Moment of inertia (J)	: 0.0268 kgm ²
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 2.07 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.25
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 3510 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	13/01/2024			