

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line	: W22 IEEE 841 NEMA Premium Efficiency Three-Phase	Product code :	11939472			
Frame	: 213/5T	Locked rotor time	: 79s (cold) 44s (hot)			
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K			
Poles	: 8	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	: 3.69 A	Protection degree	: IP55			
L. R. Amperes	: 25.1 A	Cooling method	: IC411 - TEFC			
LRC	: 6.8x(Code K)	Mounting	: F-1			
No load current	: 2.40 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 870 rpm	Noise level ²	: 52.0 dB(A)			
Slip	: 3.33 %	Starting method	: Direct On Line			
Rated torque	: 2.50 kgfm	Approx. weight ³	: 85.6 kg			
Locked rotor torque	: 220 %					
Breakdown torque	: 300 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.0888 kgm ²					
Design	: B					
Output	50%	75%	100%			
Efficiency (%)	84.0	85.5	85.5			
Power Factor	0.49	0.62	0.70			
Foundation loads		Max. traction : 96 kgf				
		Max. compression : 181 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)
19.1	18.2	17.9	9.5	7.8	5.8	4.5
Bearing type		<u>Drive end</u>	<u>Non drive end</u>			
Sealing		6308 C3	6207 C3			
Lubrication interval		Taconite Labyrinth	Taconite Labyrinth			
Lubricant amount		20000 h	20000 h			
Lubricant type		11 g	7 g			
		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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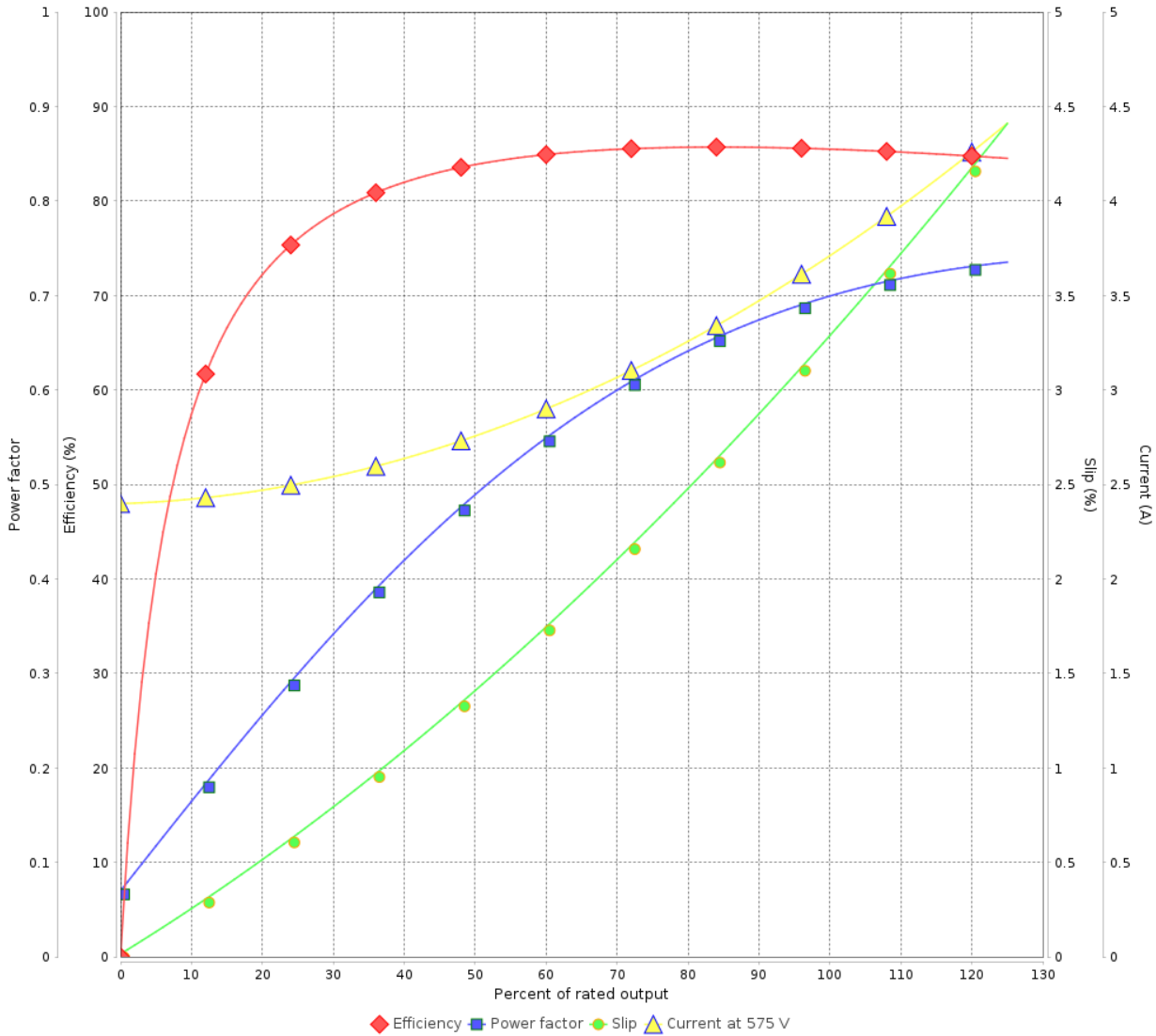
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Customer :

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Performance : 575 V 60 Hz 8P

Rated current	: 3.69 A	Moment of inertia (J)	: 0.0888 kgm ²
LRC	: 6.8	Duty cycle	: Cont.(S1)
Rated torque	: 2.50 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.25
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 870 rpm	Design	: B

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