

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line : W22 NEMA Premium Efficiency Three-Phase			Product code : 13472232				
Frame	: 213/5T			Locked rotor time	: 70s (cold) 39s (hot)		
Output	: 2 HP (1.5 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	: 2.71 A			Protection degree	: IP55		
L. R. Amperes	: 18.7 A			Cooling method	: IC411 - TEFC		
LRC	: 6.9x(Code L)			Mounting	: F-1		
No load current	: 1.84 A			Rotation ¹	: Both (CW and CCW)		
Rated speed	: 875 rpm			Noise level ²	: 52.0 dB(A)		
Slip	: 2.78 %			Starting method	: Direct On Line		
Rated torque	: 1.66 kgfm			Approx. weight ³	: 69.2 kg		
Locked rotor torque	: 220 %						
Breakdown torque	: 290 %						
Insulation class	: F						
Service factor	: 1.25						
Moment of inertia (J)	: 0.0753 kgm ²						
Design	: B						
Output	25%	50%	75%	100%	Foundation loads		
Efficiency (%)	81.0	82.5	84.0	85.5	Max. traction	: 54 kgf	
Power Factor	0.24	0.45	0.55	0.65	Max. compression	: 123 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)	
16.1	13.5	13.2	9.6	7.0	5.6	4.4	
		<u>Drive end</u>		<u>Non drive end</u>			
Bearing type	:	6308 ZZ		6207 ZZ			
Sealing	:	V'Ring		V'Ring			
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.			
Rev.	Changes Summary			Performed	Checked	Date	
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LOAD PERFORMANCE CURVE

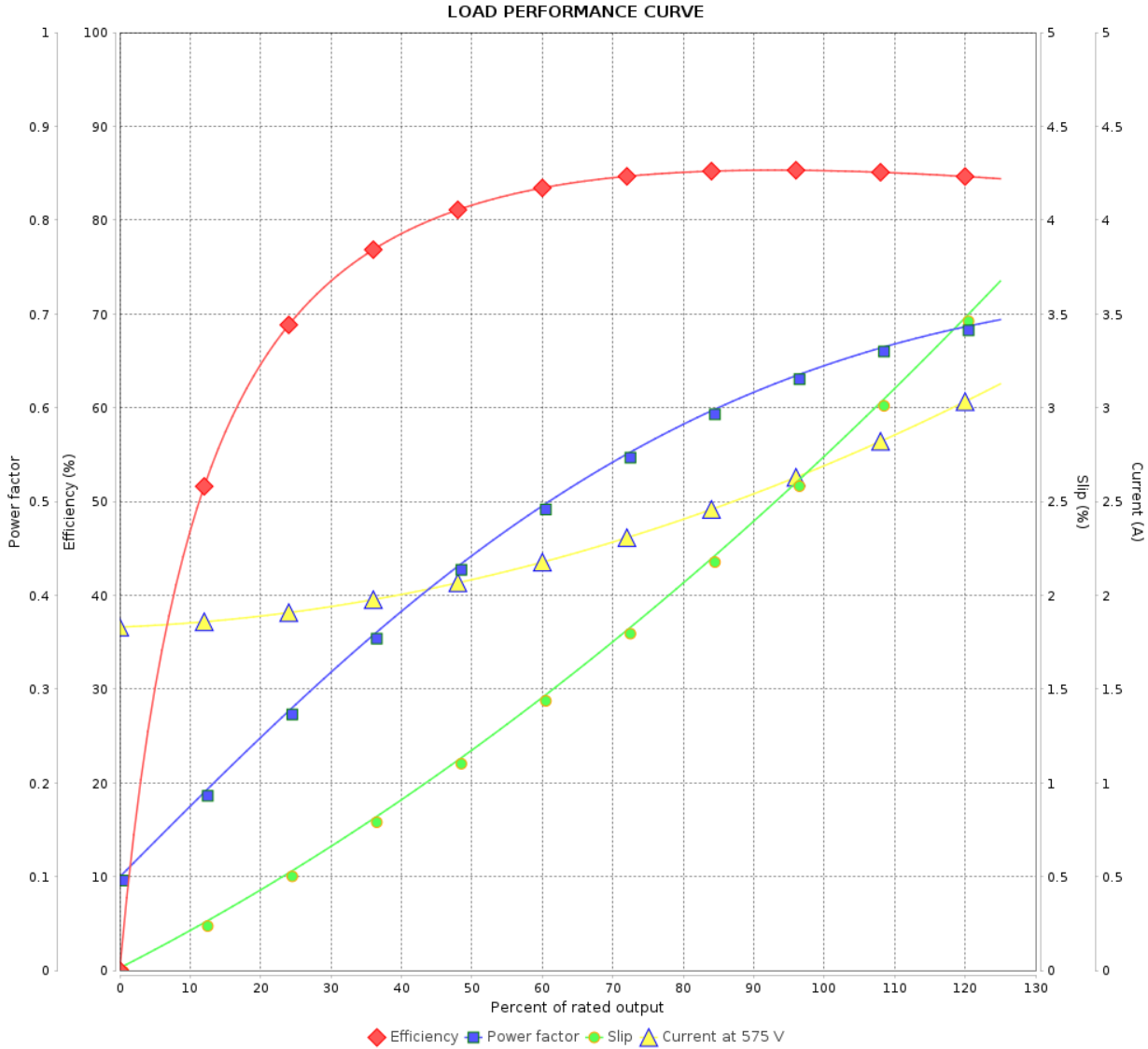
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Product code : 13472232



Performance : 575 V 60 Hz 8P

Rated current	: 2.71 A	Moment of inertia (J)	: 0.0753 kgm ²
LRC	: 6.9	Duty cycle	: Cont.(S1)
Rated torque	: 1.66 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.25
Breakdown torque	: 290 %	Temperature rise	: 80 K
Rated speed	: 875 rpm	Design	: B

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