

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line : W22 NEMA Premium Efficiency Three-Phase			Product code : 11549339				
Frame	: 586/7T		Locked rotor time	: 52s (cold) 29s (hot)			
Output	: 400 HP (300 kW)		Temperature rise	: 80 K			
Poles	: 6		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	: 386 A		Protection degree	: IP55			
L. R. Amperes	: 2318 A		Cooling method	: IC411 - TEFC			
LRC	: 6.0x(Code G)		Mounting	: F-1			
No load current	: 152 A		Rotation ¹	: Both (CW and CCW)			
Rated speed	: 1192 rpm		Noise level ²	: 77.0 dB(A)			
Slip	: 0.67 %		Starting method	: Direct On Line			
Rated torque	: 244 kgfm		Approx. weight ³	: 1979 kg			
Locked rotor torque	: 200 %						
Breakdown torque	: 210 %						
Insulation class	: F						
Service factor	: 1.15						
Moment of inertia (J)	: 15.5 kgm ²						
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	95.4	95.8	96.2	Max. traction : 2512 kgf			
Power Factor	0.67	0.77	0.81	Max. compression : 4490 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)	
4.6	3.4	2.7	2.8	1.8	1.5	0.8	
		<u>Drive end</u>		<u>Non drive end</u>			
Bearing type	:	6322 C3		6319 C3			
Sealing	:	Taconite Labyrinth		Taconite Labyrinth			
Lubrication interval	:	11000 h		13000 h			
Lubricant amount	:	60 g		45 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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Space heater information

Voltage: 200 - 240 V

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LOAD PERFORMANCE CURVE

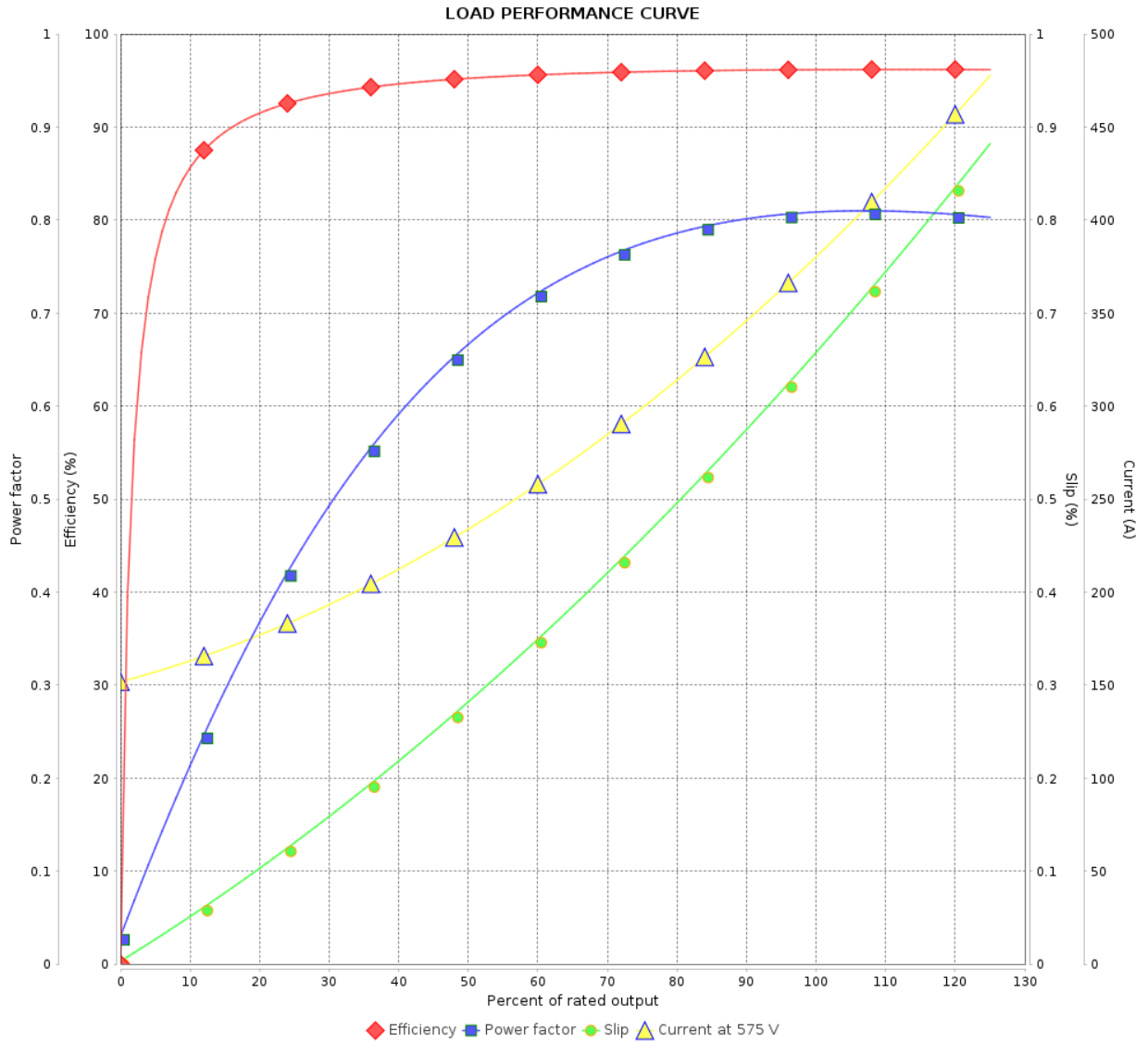
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Customer : _____

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11549339



Performance : 575 V 60 Hz 6P

Rated current : 386 A
 LRC : 6.0
 Rated torque : 244 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 210 %
 Rated speed : 1192 rpm

Moment of inertia (J) : 15.5 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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