

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 NEMA Premium Efficiency Three-Phase			Product code : 14124241			
Frame	: 586/7T		Locked rotor time	: 28s (cold) 16s (hot)		
Output	: 600 HP (440 kW)		Temperature rise	: 80 K		
Poles	: 4		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	: 532 A		Protection degree	: IP55		
L. R. Amperes	: 3777 A		Cooling method	: IC411 - TEFC		
LRC	: 7.1x(Code G)		Mounting	: F-1		
No load current	: 168 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1790 rpm		Noise level ²	: 81.0 dB(A)		
Slip	: 0.56 %		Starting method	: Direct On Line		
Rated torque	: 243 kgfm		Approx. weight ³	: 2132 kg		
Locked rotor torque	: 229 %					
Breakdown torque	: 250 %					
Insulation class	: F					
Service factor	: 1.00					
Moment of inertia (J)	: 9.92 kgm ²					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	96.2	96.4	96.5	Max. traction : 3098 kgf		
Power Factor	0.74	0.82	0.86	Max. compression : 5229 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)
4.3	3.3	2.6	2.7	1.8	1.5	0.8
Bearing type		: <u>Drive end</u> NU-322 C3		: <u>Non drive end</u> 6319 C3		
Sealing		: Taconite Labyrinth		: Taconite Labyrinth		
Lubrication interval		: 4000 h		: 8000 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

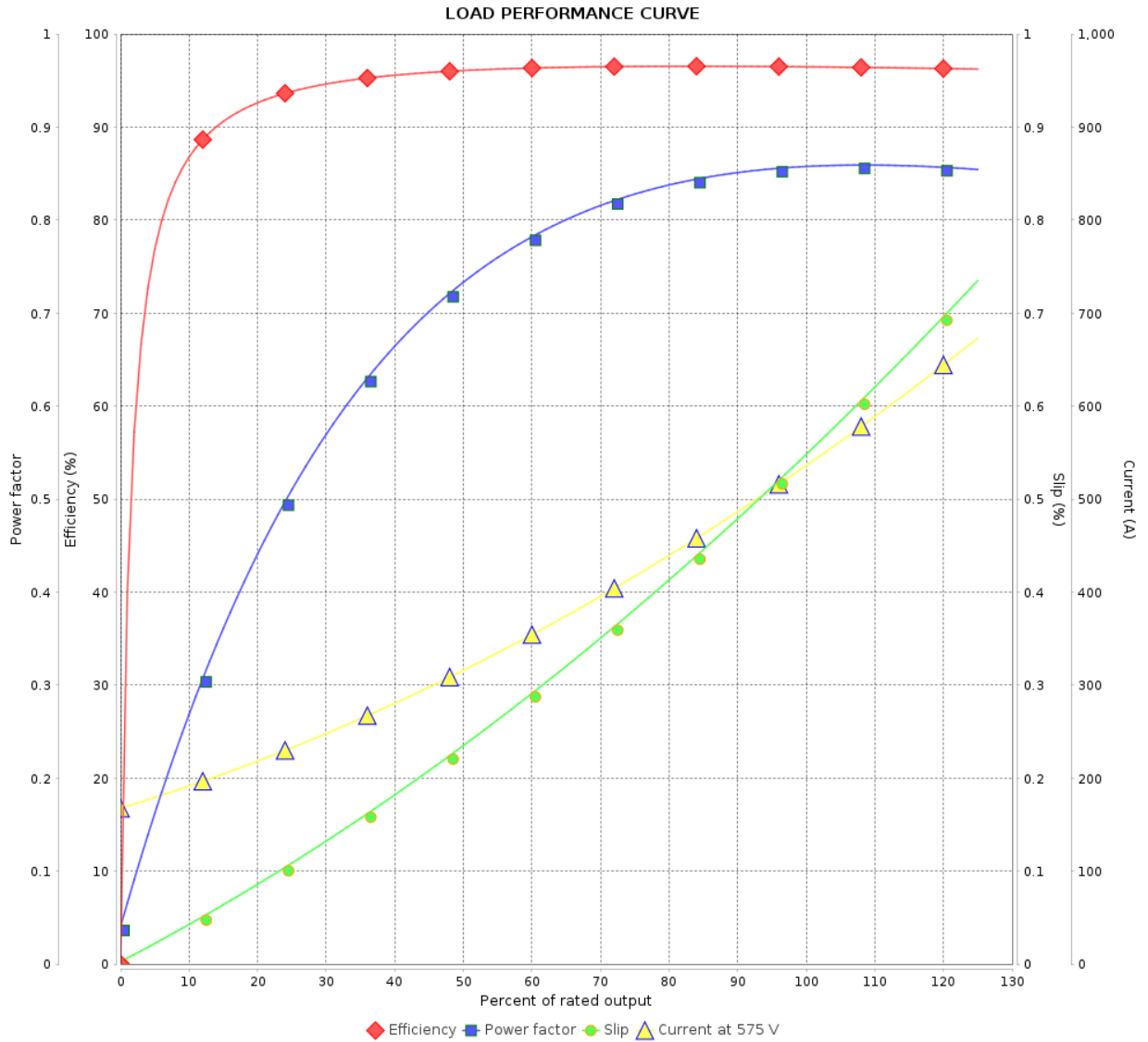
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 14124241



Performance : 575 V 60 Hz 4P

Rated current : 532 A
 LRC : 7.1
 Rated torque : 243 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 250 %
 Rated speed : 1790 rpm

Moment of inertia (J) : 9.92 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K

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