

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	15656137			
Frame	: 586/7T	Locked rotor time	: 48s (cold) 27s (hot)			
Output	: 450 HP (330 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	: 406 A	Protection degree	: IP55			
L. R. Amperes	: 2555 A	Cooling method	: IC411 - TEFC			
LRC	: 6.3x(Code G)	Mounting	: F-1			
No load current	: 124 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	: 182 kgfm	Approx. weight ³	: 1771 kg			
Locked rotor torque	: 220 %					
Breakdown torque	: 229 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 8.99 kgm ²					
Design	: B					
Output	50%	75%	100%			
Efficiency (%)	95.8	96.2	96.2			
Power Factor	0.77	0.83	0.85			
Foundation loads		Max. traction : 1987 kgf				
		Max. compression : 3758 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)
4.4	3.3	2.6	2.7	1.7	1.3	0.7
Bearing type		<u>Drive end</u>		<u>Non drive end</u>		
Sealing		6322 C3		6319 C3		
Lubrication interval		Taconite Labyrinth		Taconite Labyrinth		
Lubricant amount		6000 h		8000 h		
Lubricant type		60 g		45 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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Space heater information

Voltage: 110-127/200-240 V

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LOAD PERFORMANCE CURVE

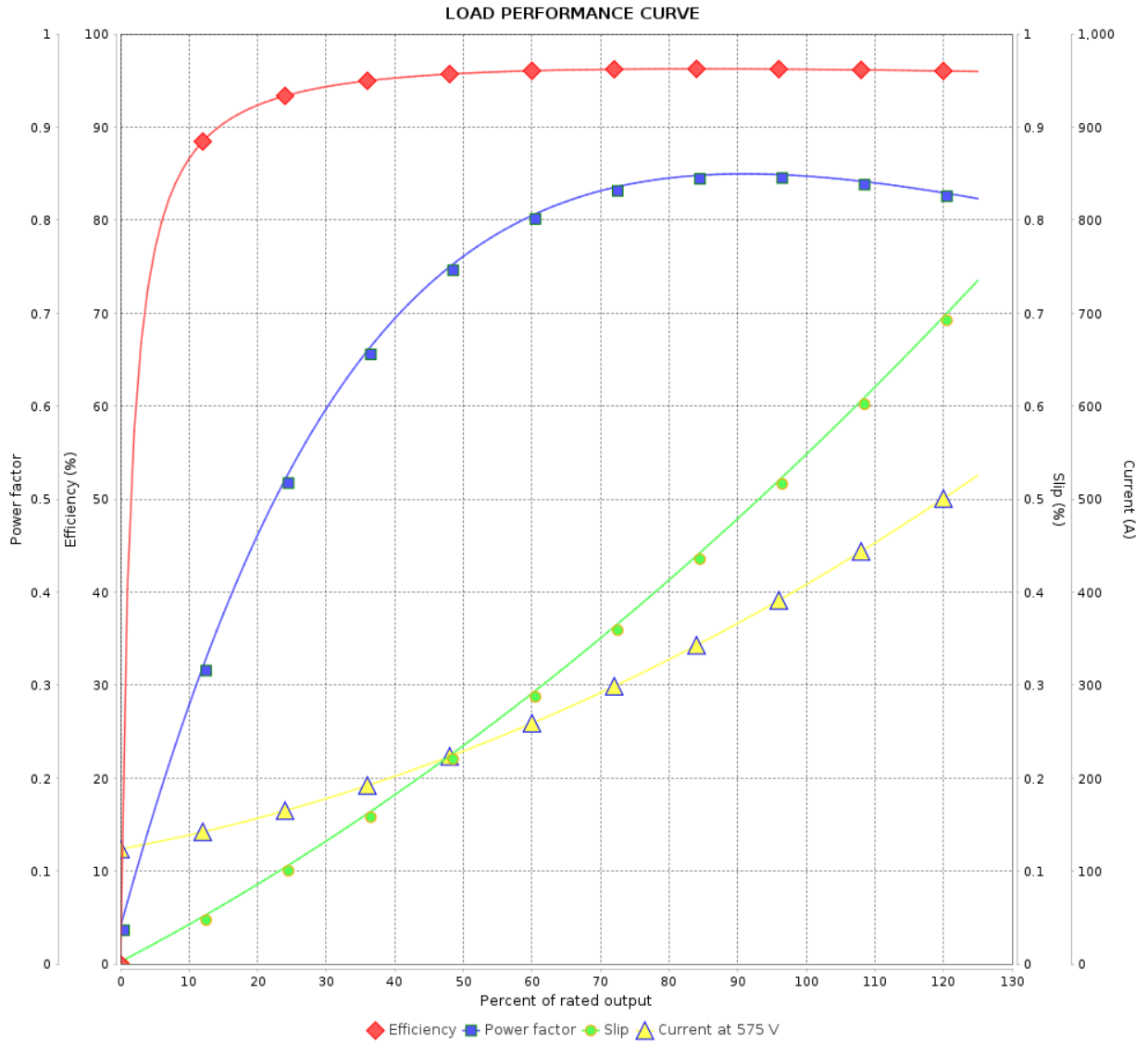
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 15656137



Performance : 575 V 60 Hz 4P

Rated current : 406 A
 LRC : 6.3
 Rated torque : 182 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 229 %
 Rated speed : 1790 rpm

Moment of inertia (J) : 8.99 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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