

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 NEMA Premium Efficiency Three-Phase		Product code :	15945836	
Frame	:	586/7T		Locked rotor time	: 30s (cold) 17s (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	:	460 V		Altitude	: 1000 m.a.s.l.	
Rated current	:	698 A		Protection degree	: IP55	
L. R. Amperes	:	6142 A		Cooling method	: IC411 - TEFC	
LRC	:	8.8x(Code K)		Mounting	: F-1	
No load current	:	271 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	:	1792 rpm		Noise level ²	: 78.0 dB(A)	
Slip	:	0.44 %		Starting method	: Direct On Line	
Rated torque	:	243 kgfm		Approx. weight ³	: 1966 kg	
Locked rotor torque	:	290 %				
Breakdown torque	:	300 %				
Insulation class	:	F				
Service factor	:	1.15				
Moment of inertia (J)	:	11.6 kgm ²				
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	96.2	96.4	96.5	Max. traction	: 4008 kgf
Power Factor	0.00	0.68	0.78	0.82	Max. compression	: 5974 kgf
Bearing type	:	<u>Drive end</u>		<u>Non drive end</u>		
Sealing	:	NU-322 C3		6319 C3		
Lubrication interval	:	Taconite Labyrinth		Taconite Labyrinth		
Lubricant amount	:	4000 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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Customer : _____

Space heater information

Voltage: 200 - 240 V

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LOAD PERFORMANCE CURVE

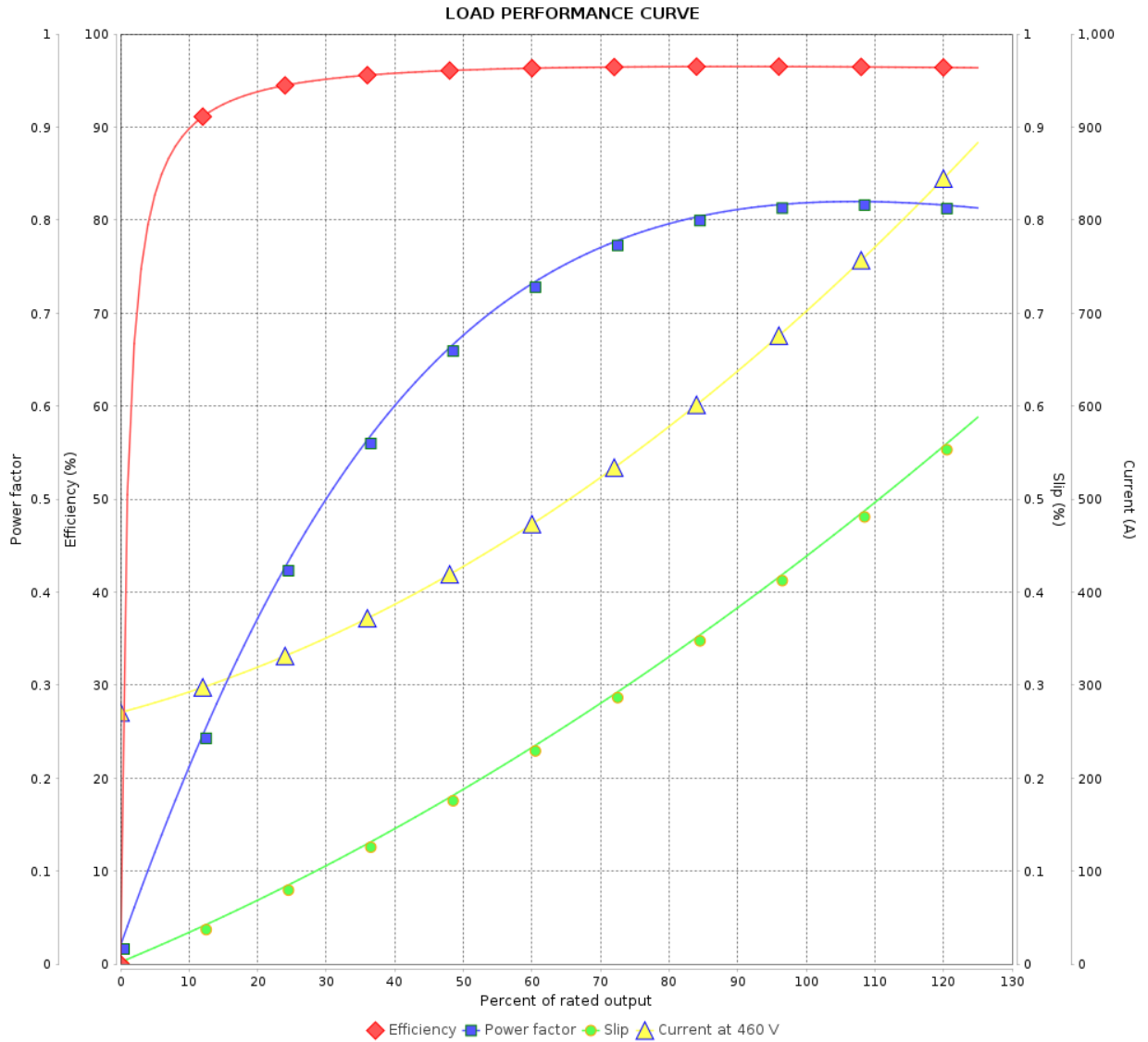
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 15945836



Performance : 460 V 60 Hz 4P

Rated current : 698 A
 LRC : 8.8
 Rated torque : 243 kgfm
 Locked rotor torque : 290 %
 Breakdown torque : 300 %
 Rated speed : 1792 rpm

Moment of inertia (J) : 11.6 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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