

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 NEMA Premium Efficiency Three-Phase			Product code : 13500624			
Frame	: 586/7TZ		Locked rotor time	: 54s (cold) 30s (hot)		
Output	: 300 HP (220 kW)		Temperature rise	: 80 K		
Poles	: 6		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	: 360 A		Protection degree	: IP55		
L. R. Amperes	: 2124 A		Cooling method	: IC411 - TEFC		
LRC	: 5.9x(Code G)		Mounting	: F-1		
No load current	: 165 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1193 rpm		Noise level ²	: 77.0 dB(A)		
Slip	: 0.58 %		Starting method	: Direct On Line		
Rated torque	: 182 kgfm		Approx. weight ³	: 1585 kg		
Locked rotor torque	: 220 %					
Breakdown torque	: 250 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 11.7 kgm ²					
Design	: A					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	95.0	95.8	95.8	Max. traction : 2331 kgf	
Power Factor	0.00	0.65	0.75	0.80	Max. compression : 3916 kgf	
			<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	NU-324 C3			6319 C3	
Sealing	:	Taconite Labyrinth			Taconite Labyrinth	
Lubrication interval	:	6000 h			13000 h	
Lubricant amount	:	72 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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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

Space heater information

Voltage: 200 - 240 V

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LOAD PERFORMANCE CURVE

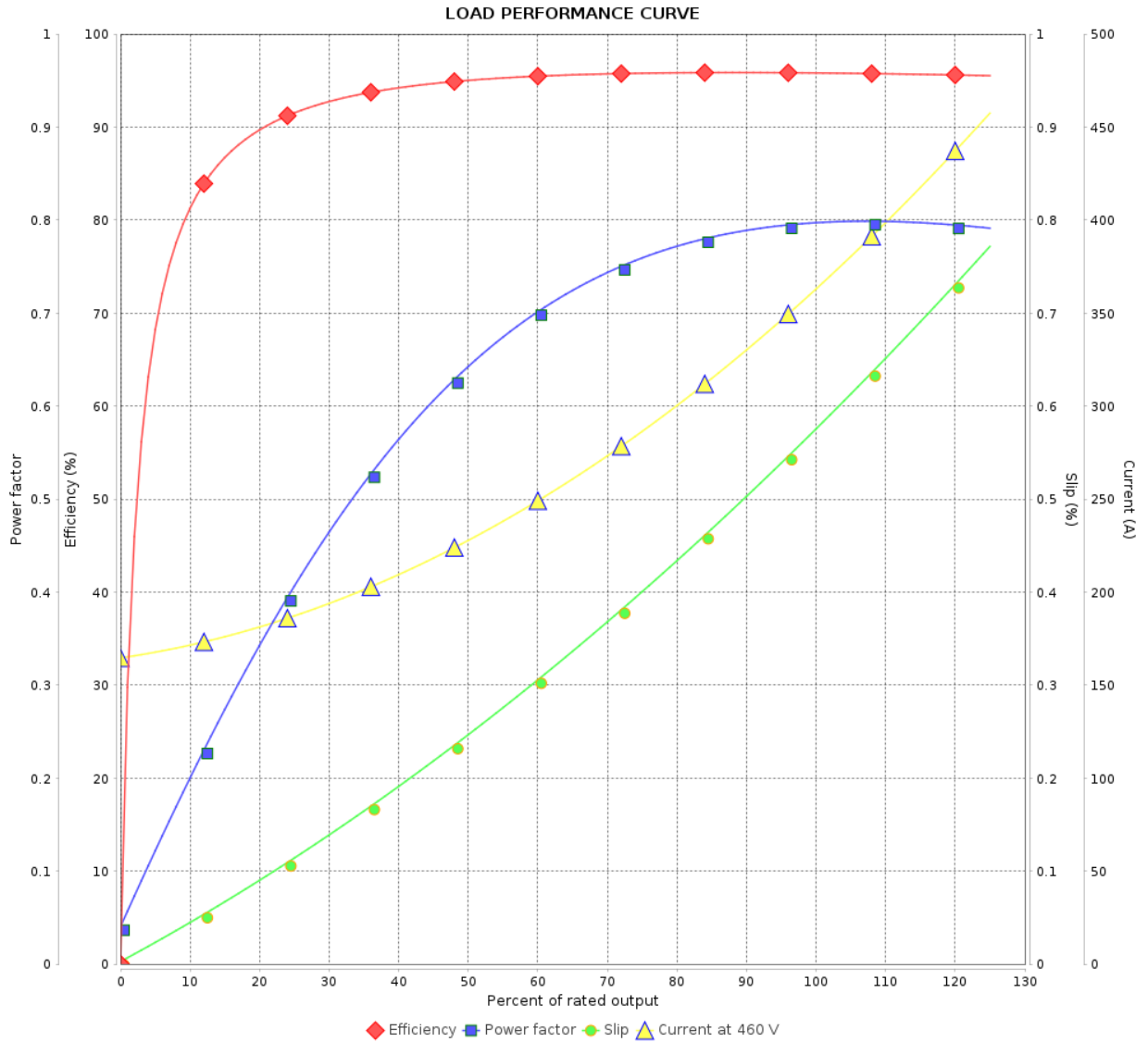
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13500624



Performance : 460 V 60 Hz 6P

Rated current : 360 A
 LRC : 5.9
 Rated torque : 182 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 250 %
 Rated speed : 1193 rpm

Moment of inertia (J) : 11.7 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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