

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 NEMA Premium Efficiency Three-Phase		Product code : 13503287				
Frame : 586/7TZ Output : 250 HP (185 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 575 V Rated current : 242 A L. R. Amperes : 1476 A LRC : 6.1x(Code G) No load current : 105 A Rated speed : 1193 rpm Slip : 0.58 % Rated torque : 152 kgfm Locked rotor torque : 210 % Breakdown torque : 229 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 9.53 kgm <sup>2</sup> Design : A	Locked rotor time : 54s (cold) 30s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 77.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 1454 kg					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	95.0	95.4	95.8	Max. traction : 1667 kgf	
Power Factor	0.00	0.67	0.76	0.80	Max. compression : 3121 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

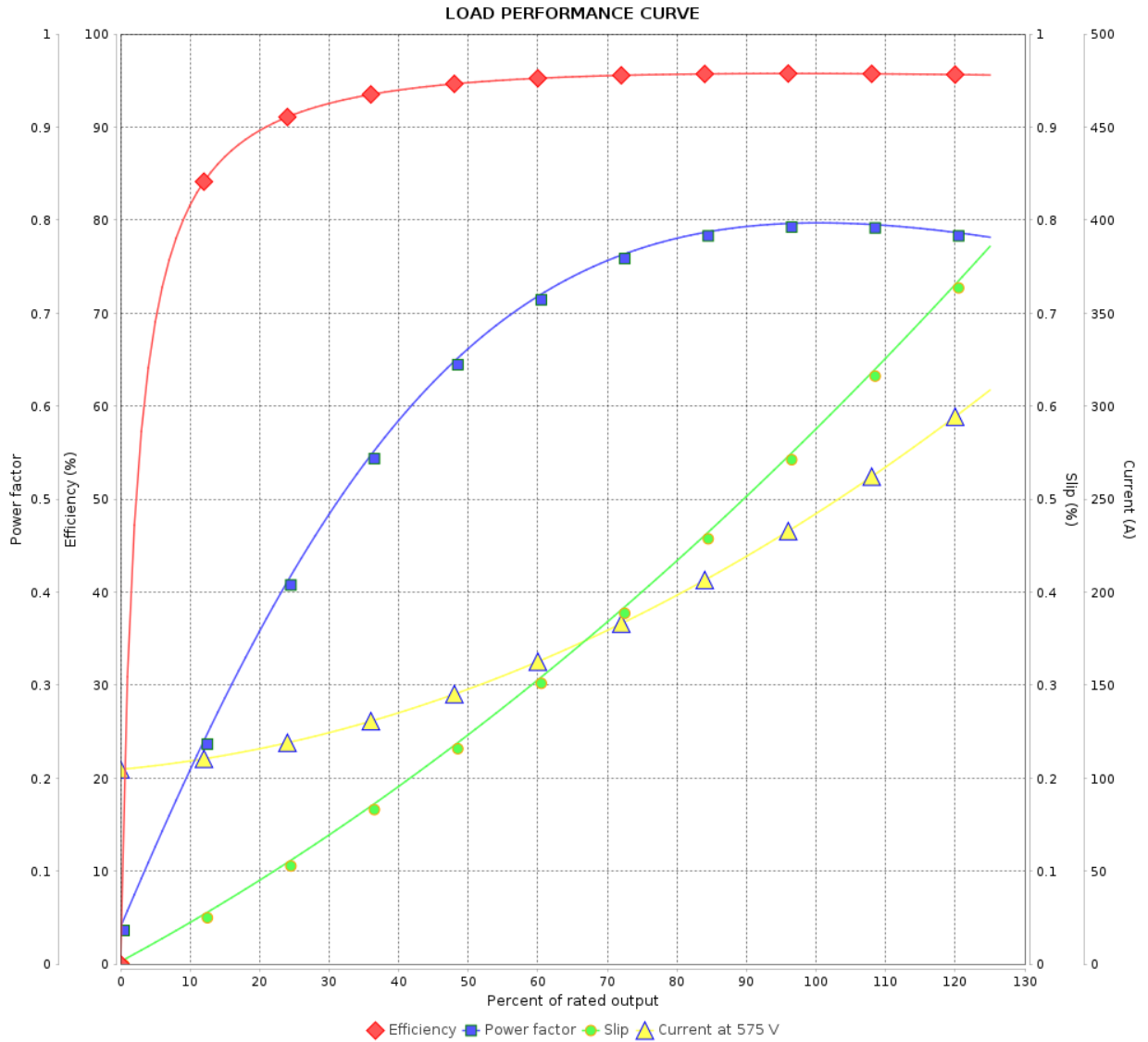
## Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13503287



Performance : 575 V 60 Hz 6P

Rated current : 242 A  
 LRC : 6.1  
 Rated torque : 152 kgfm  
 Locked rotor torque : 210 %  
 Breakdown torque : 229 %  
 Rated speed : 1193 rpm

Moment of inertia (J) : 9.53 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : A

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