

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase      Product code : 13500597

Frame	: 586/7TZ	Locked rotor time	: 54s (cold) 30s (hot)
Output	: 250 HP (185 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 460 V	Ambient temperature	: -20°C to +40°C
Poles	: 6	Altitude	: 1000 m.a.s.l.
Rated current	: 299 A	Protection degree	: IP55
	: 6.1x(Code G)	Cooling method	: IC411 - TEFC
Rated speed	: 1193 rpm	Mounting	: F-1
Rated torque	: 152 kgfm	Rotation <sup>1</sup>	: Both (CW and CCW)
Insulation class	: F	Noise level <sup>2</sup>	: 77.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 9.53 kgm <sup>2</sup>	Approx. weight <sup>3</sup>	: 1454 kg
Design	: A		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	95.0	95.4	95.8	Max. traction	: 1667 kgf
Power Factor	0.00	0.68	0.77	0.81	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

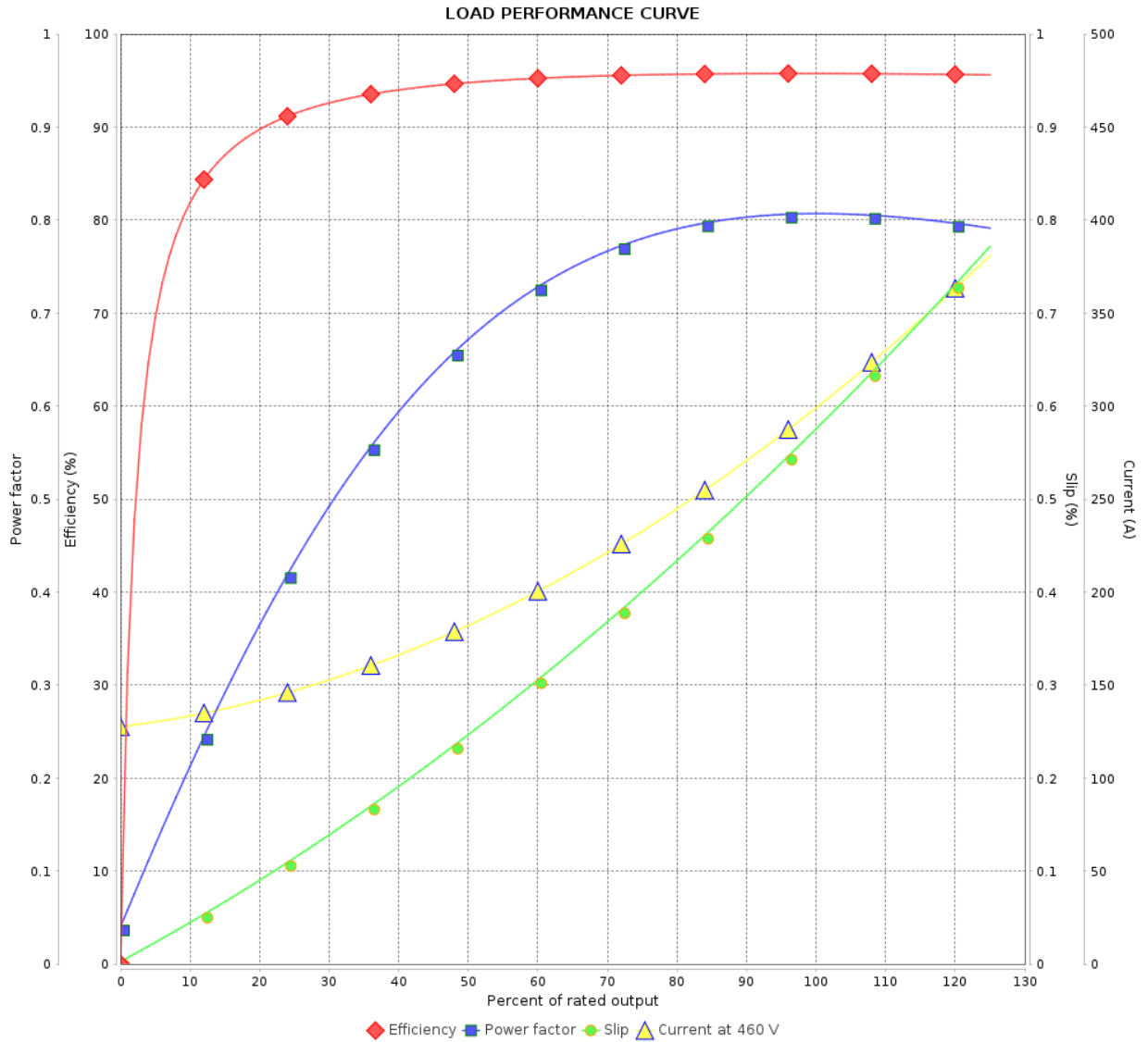
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