

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 13500700

Frame	: 586/7TZ	Locked rotor time	: 45s (cold) 25s (hot)
Output	: 400 HP (300 kW)	Temperature rise	: 80 K
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)
Rated voltage	: 460 V	Ambient temperature	: -20°C to +40°C
Poles	: 4	Altitude	: 1000 m.a.s.l.
Rated current	: 466 A	Protection degree	: IP55
	: 7.1x(Code H)	Cooling method	: IC411 - TEFC
Rated speed	: 1791 rpm	Mounting	: F-1
Rated torque	: 162 kgfm	Rotation <sup>1</sup>	: Both (CW and CCW)
Insulation class	: F	Noise level <sup>2</sup>	: 78.0 dB(A)
Service factor	: 1.15	Starting method	: Direct On Line
Moment of inertia (J)	: 7.52 kgm <sup>2</sup>	Approx. weight <sup>3</sup>	: 1567 kg
Design	: A		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	95.8	96.2	96.2	Max. traction	: 1879 kgf
Power Factor	0.00	0.73	0.81	0.84	Max. compression	: 3446 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	NU-324 C3	6319 C3
Sealing	:	Taconite Labyrinth	Taconite Labyrinth
Lubrication interval	:	3000 h	8000 h
Lubricant amount	:	72 g	45 g
Lubricant type	:	Mobil Polyrex EM	

Notes  
W22 Crusher Duty - NEMA Premium Efficiency

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

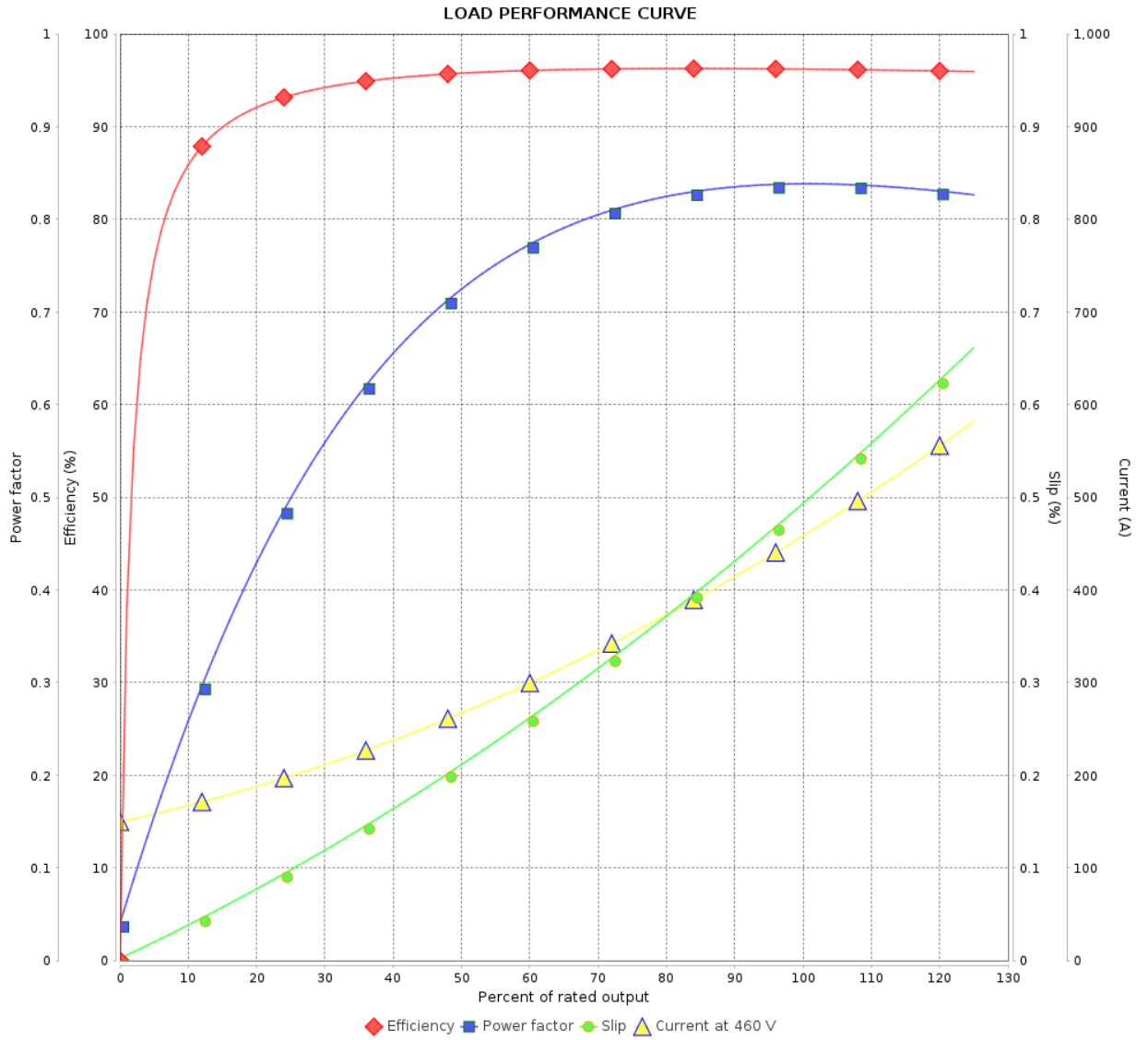
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