

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 13500705

Frame	: 586/7TZ	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 500 HP (370 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	: 575 A	Protection degree	: IP55
	: 7.7x(Code H)	Cooling method	: IC411 - TEFC
Rated speed	: 1791 rpm	Mounting	: F-1
Rated torque	: 203 kgfm	Rotation ¹	: Both (CW and CCW)
Insulation class	: F	Noise level ²	: 78.0 dB(A)
Service factor	: 1.00	Starting method	: Direct On Line
Moment of inertia (J)	: 9.63 kgm ²	Approx. weight ³	: 1774 kg
Design	: A		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	95.8	96.2	96.2	Max. traction	: 2581 kgf
Power Factor	0.00	0.72	0.80	0.84	Max. compression	: 4355 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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Customer :

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

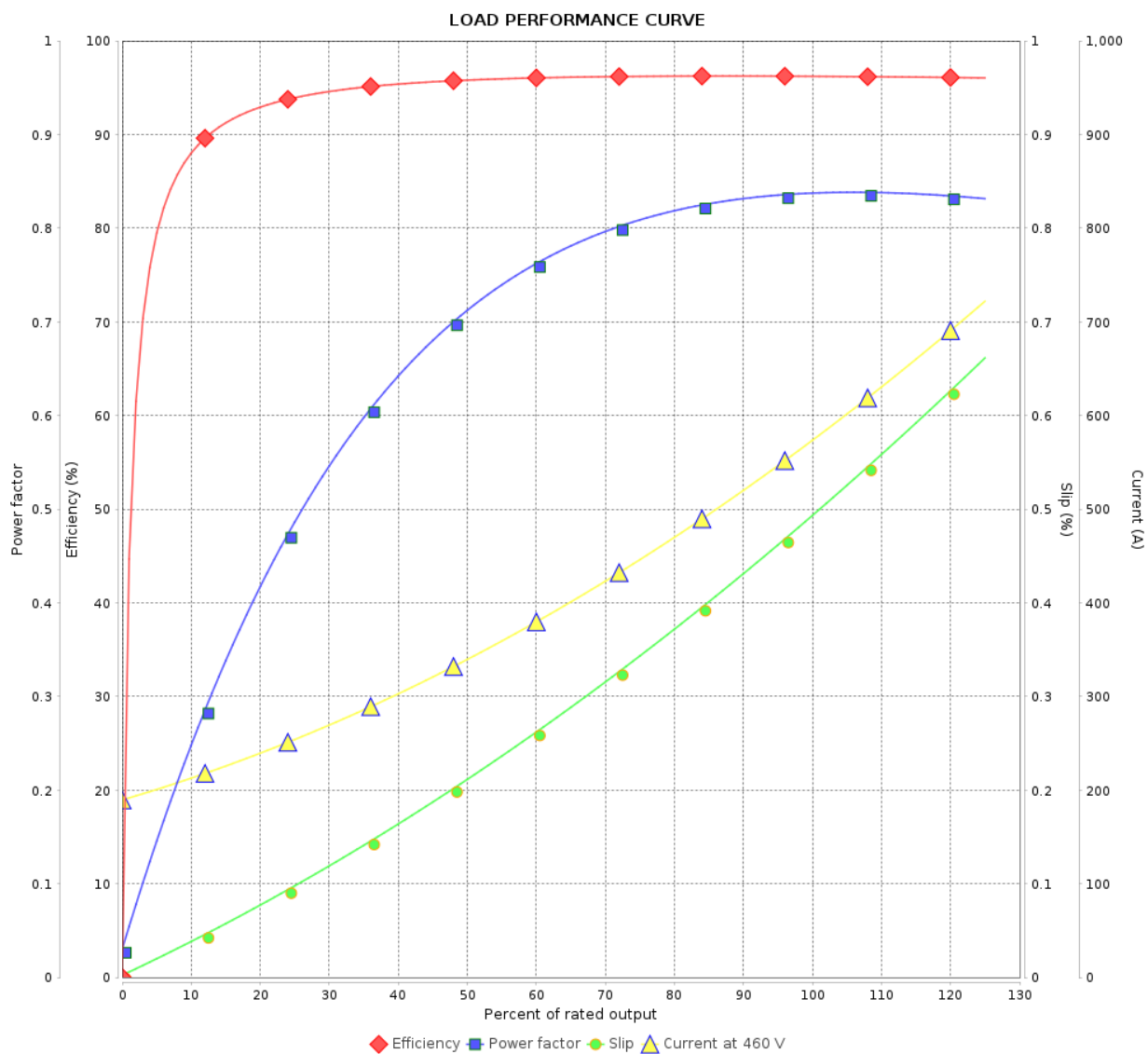
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Three-Phase

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