

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 13827808

Frame	: 586/7TZ	Locked rotor time	: 45s (cold) 25s (hot)
Output	: 350 HP (260 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 327 A	Protection degree	: IP55
L. R. Amperes	: 2453 A	Cooling method	: IC411 - TEFC
LRC	: 7.5x(Code H)	Mounting	: F-1
No load current	: 128 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1786 rpm	Noise level ²	: 78.0 dB(A)
Slip	: 0.78 %	Vibration	: B
Rated torque	: 142 kgfm	Starting method	: Direct On Line
Locked rotor torque	: 250 %	Approx. weight ³	: 1567 kg
Breakdown torque	: 270 %		: 203A (ISO 12944 - C3)
Insulation class	: F		: RAL 5009
Service factor	: 1.15	Design	: A
Moment of inertia (J)	: 7.49 kgm ²		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	95.8	96.2	96.2	Max. traction	: 1845 kgf
Power Factor	0.00	0.68	0.79	0.83	Max. compression	: 3412 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 NEMA Premium Efficiency
Crusher Duty

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 :

Space heater information

Voltage: 200 - 240 V

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LOAD PERFORMANCE CURVE

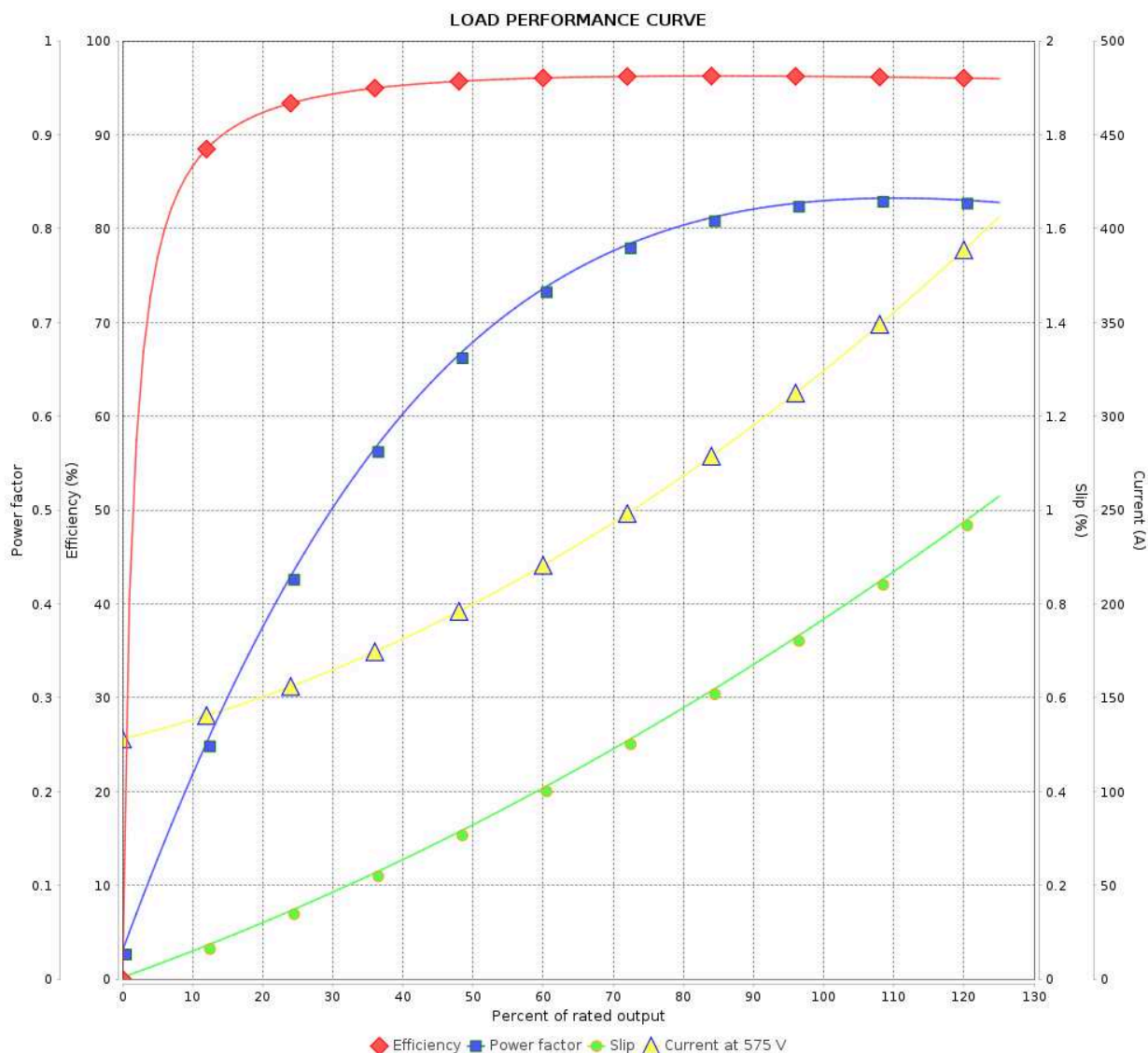
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 13827808



Performance : 575 V 60 Hz 4P

Rated current : 327 A
LRC : 7.5
Rated torque : 142 kgfm
Locked rotor torque : 250 %
Breakdown torque : 270 %
Rated speed : 1786 rpm

Moment of inertia (J) : 7.49 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : A

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