

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

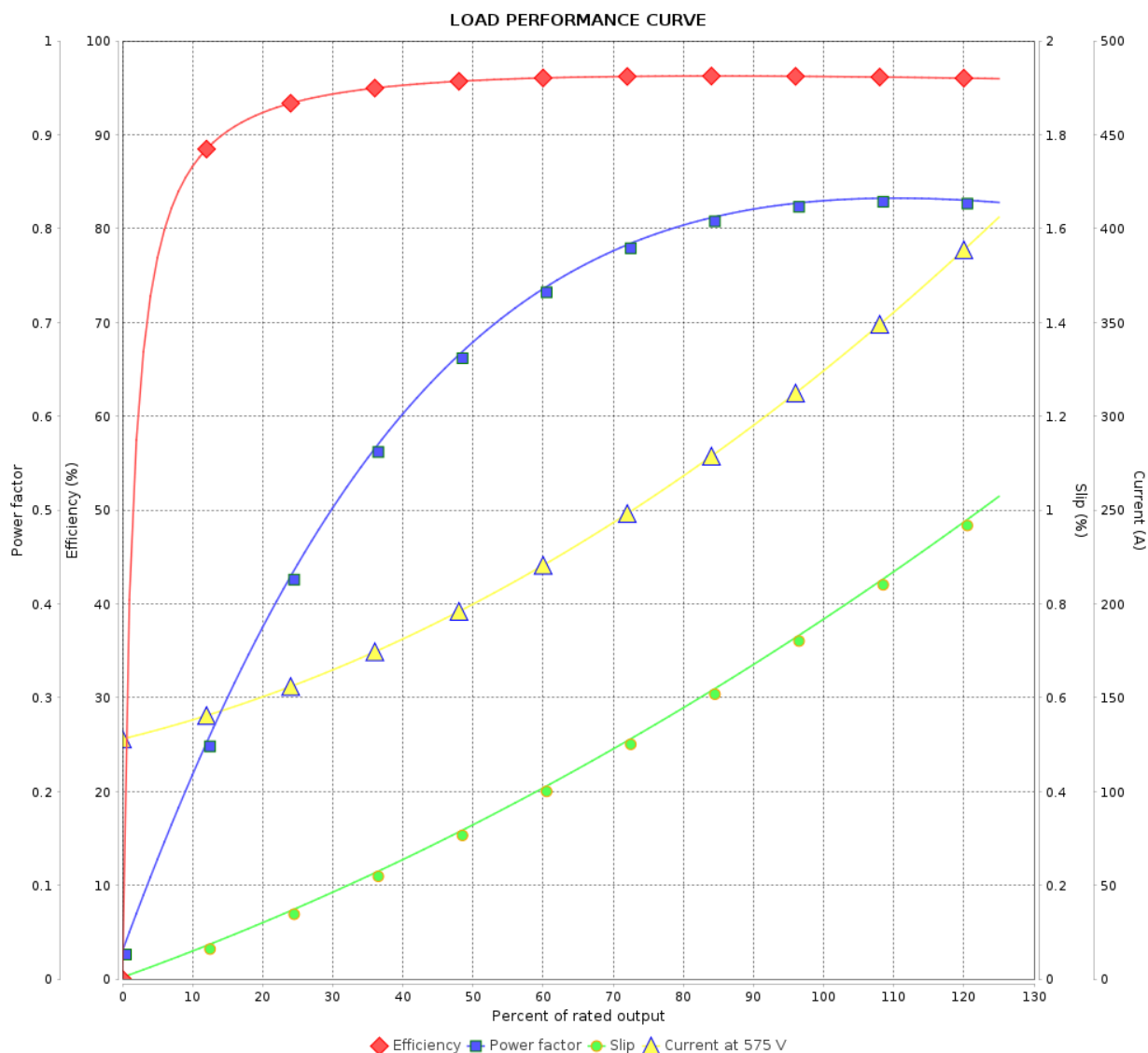
Three Phase Induction Motor - Squirrel Cage



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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