

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%	
Efficiency (%)	0.000	95.8	96.2	96.2	
Power Factor	0.00	0.72	0.80	0.84	
Foundation loads					
Max. traction : 2581 kgf					
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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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

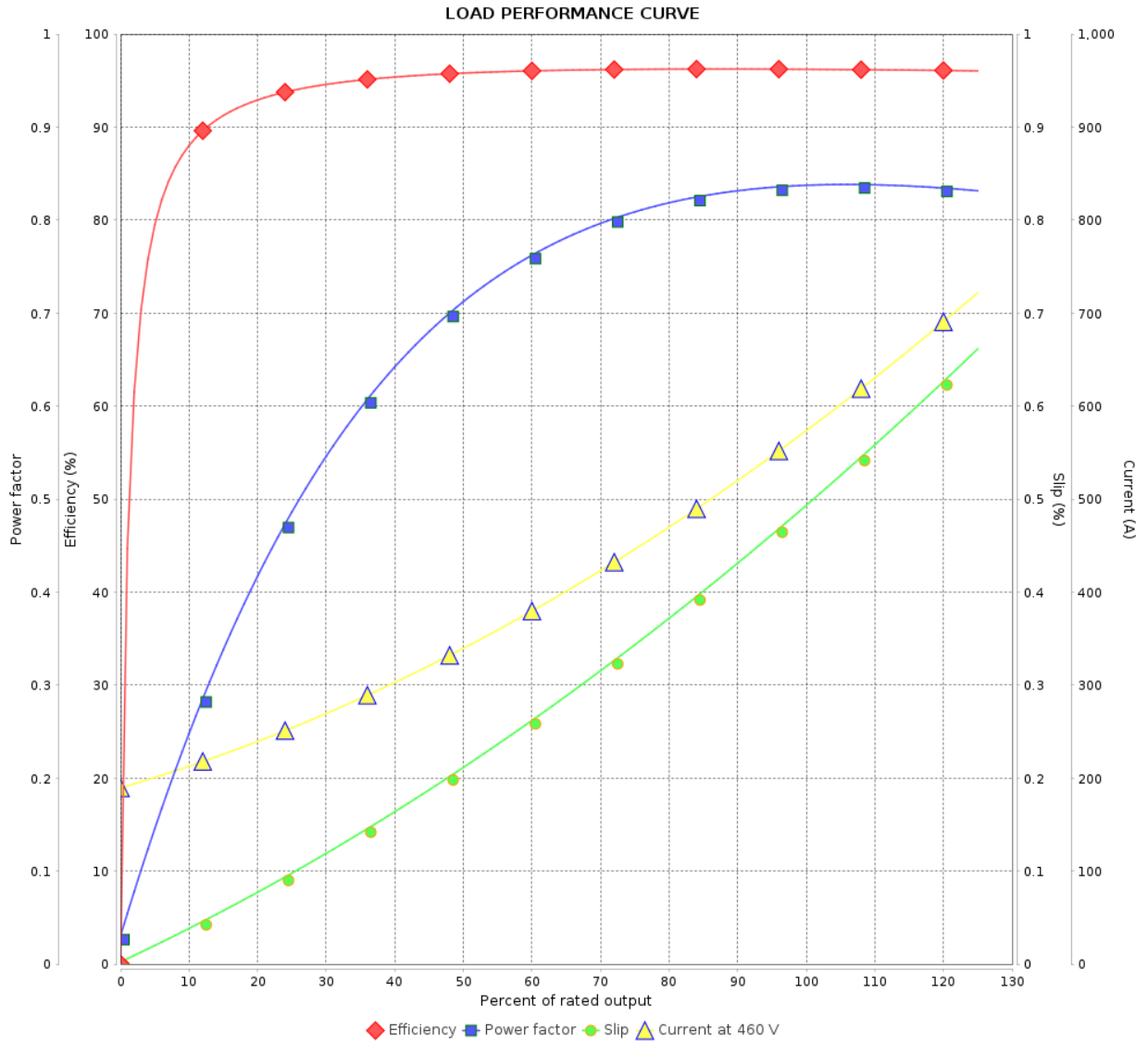
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