

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 13163959

Frame	: 586/7T	Locked rotor time	: 63s (cold) 35s (hot)
Output	: 350 HP (260 kW)	Temperature rise	: 80 K
Poles	: 8	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	: 341 A	Protection degree	: IP55
L. R. Amperes	: 2181 A	Cooling method	: IC411 - TEFC
LRC	: 6.4x(Code G)	Mounting	: F-1
No load current	: 136 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 893 rpm	Noise level ²	: 75.0 dB(A)
Slip	: 0.78 %	Starting method	: Direct On Line
Rated torque	: 284 kgfm	Approx. weight ³	: 2025 kg
Locked rotor torque	: 160 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 20.4 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	95.4	95.8	95.8	Max. traction	: 3466 kgf
Power Factor	0.64	0.75	0.80	Max. compression	: 5491 kgf

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
4.7	3.8	3.3	2.5	1.8	1.4	0.9

	Drive end	Non drive end
Bearing type	: 6322 C3	6319 C3
Sealing	: Taconite Labyrinth	Taconite Labyrinth
Lubrication interval	: 14000 h	17000 h
Lubricant amount	: 60 g	45 g
Lubricant type	Mobil Polyrex EM	

Notes

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

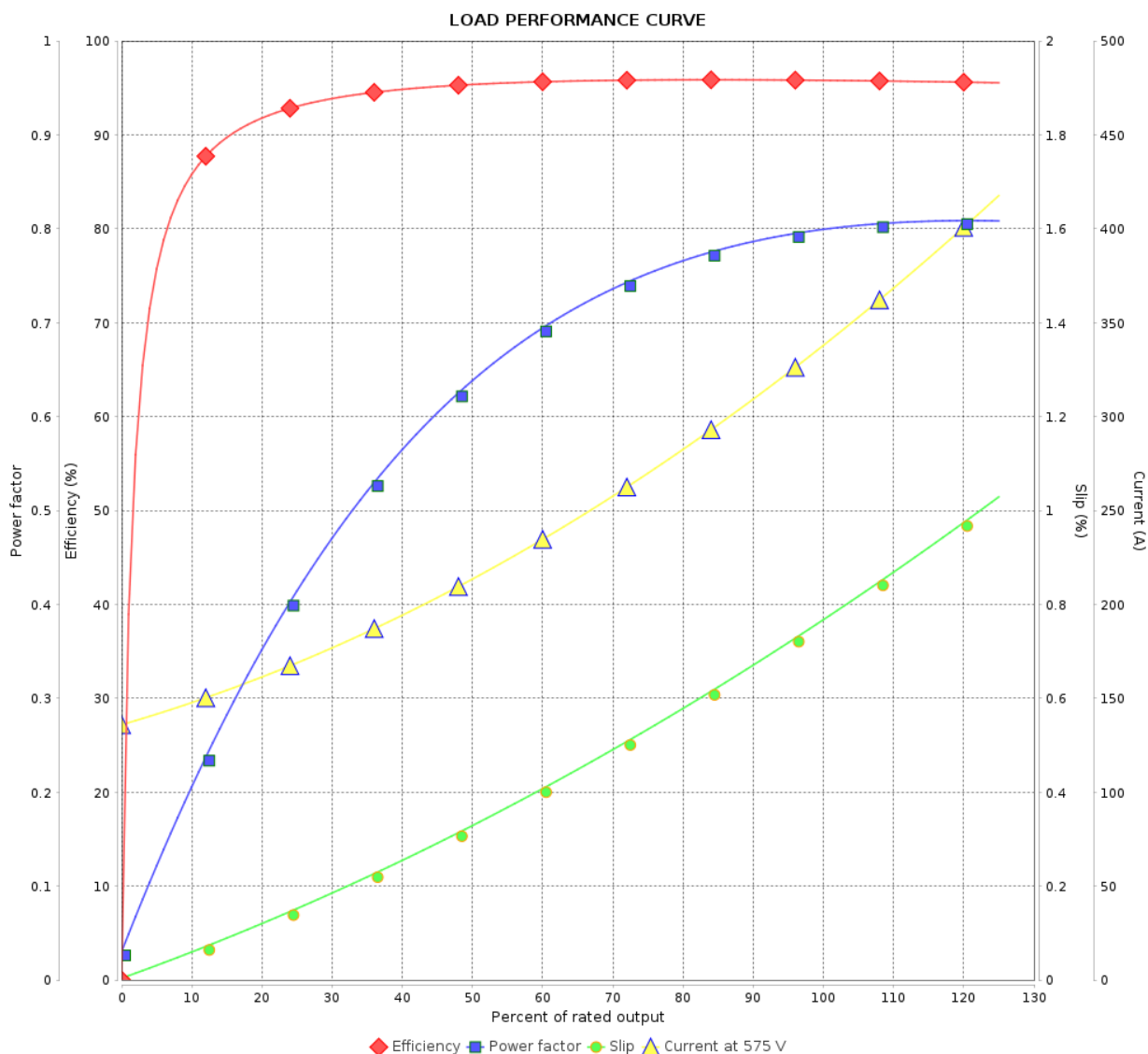
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 13163959



Performance : 575 V 60 Hz 8P

Rated current : 341 A
LRC : 6.4
Rated torque : 284 kgfm
Locked rotor torque : 160 %
Breakdown torque : 229 %
Rated speed : 893 rpm

Moment of inertia (J) : 20.4 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.00
Temperature rise : 80 K

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