

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Standard Efficiency Three-Phase Product code : 15717157

Frame	: 284/6T	Locked rotor time	: 34s (cold) 19s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K
Poles	: 10	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	: 8.97 A	Protection degree	: IP55
L. R. Amperes	: 62.8 A	Cooling method	: IC411 - TEFC
LRC	: 7.0x(Code K)	Mounting	: F-1
No load current	: 4.59 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 705 rpm	Noise level ²	: 60.0 dB(A)
Slip	: 2.08 %	Starting method	: Direct On Line
Rated torque	: 7.72 kgfm	Approx. weight ³	: 165 kg
Locked rotor torque	: 190 %		
Breakdown torque	: 260 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.2313 kgm ²		
Design	: A		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	83.3	85.4	85.5	Max. traction	: 204 kgf
Power Factor	0.52	0.64	0.72	Max. compression	: 369 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6311 C3	6211 C3
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	18 g	11 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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LOAD PERFORMANCE CURVE

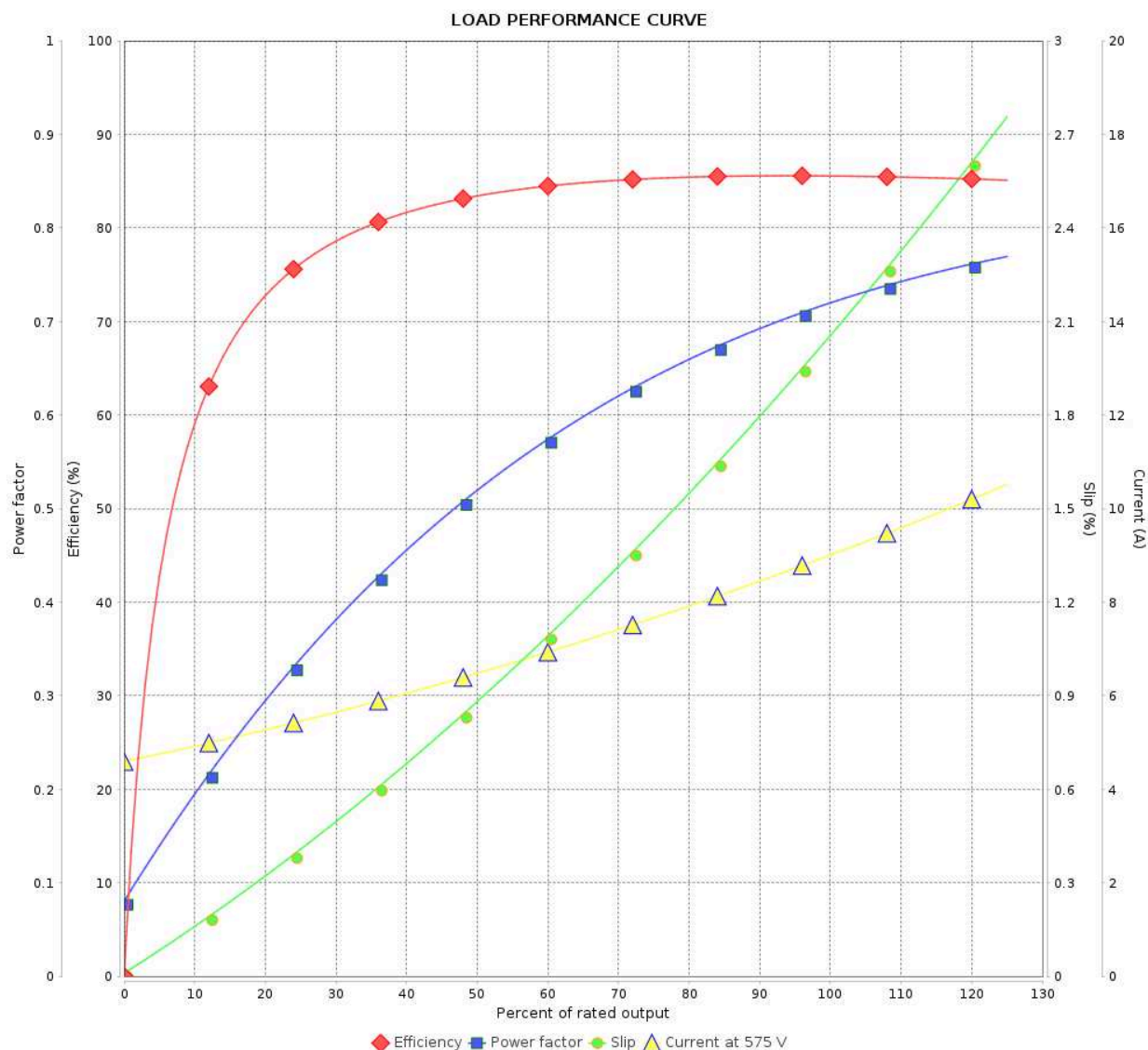
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Customer :

Product line : W22 Standard Efficiency Three-Phase

Product code : 15717157



Performance : 575 V 60 Hz 10P

Rated current : 8.97 A
LRC : 7.0
Rated torque : 7.72 kgfm
Locked rotor torque : 190 %
Breakdown torque : 260 %
Rated speed : 705 rpm

Moment of inertia (J) : 0.2313 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : A

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