

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 Standard Efficiency Three-Phase Product code : 14208923

Frame	: 444/5T	Locked rotor time	: 39s (cold) 22s (hot)
Output	: 40 HP (30 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	: 46.0 A	Protection degree	: IP55
L. R. Amperes	: 368 A	Cooling method	: IC411 - TEFC
LRC	: 8.0x(Code L)	Mounting	: F-1
No load current	: 28.3 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 710 rpm	Noise level ²	: 63.0 dB(A)
Slip	: 1.39 %	Starting method	: Direct On Line
Rated torque	: 40.9 kgfm	Approx. weight ³	: 673 kg
Locked rotor torque	: 229 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 2.59 kgm ²		
Design	: A		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	90.1	91.4	91.0	Max. traction	: 736 kgf
Power Factor	0.51	0.64	0.72	Max. compression	: 1409 kgf

	Drive end	Non drive end
Bearing type	: 6319 C3	6316 C3
Sealing	: WSeal	WSeal
Lubrication interval	: 20000 h	20000 h
Lubricant amount	: 45 g	34 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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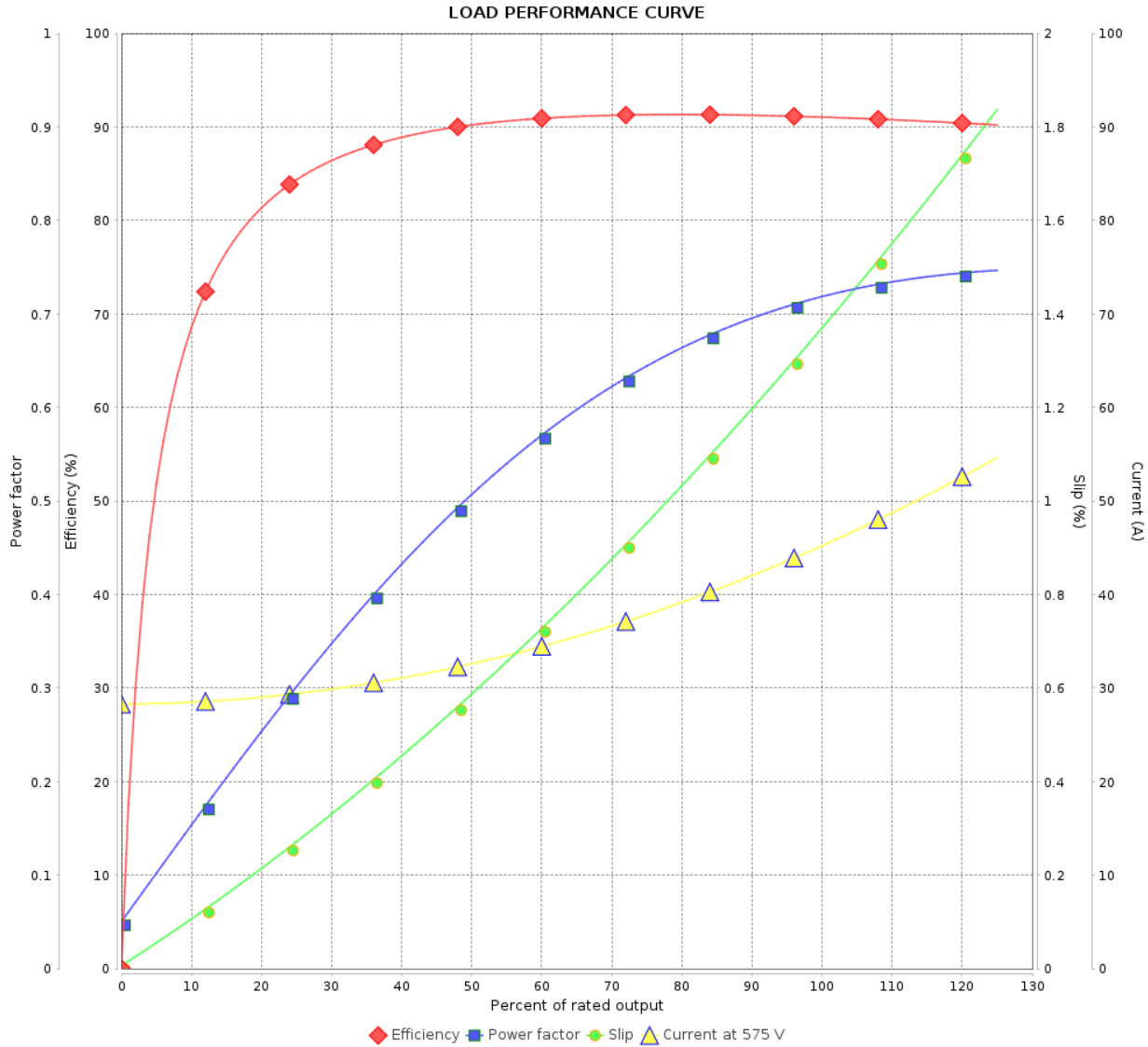


Customer :

Product line : W22 Standard Efficiency Three-Phase

Product code :

14208923



Performance : 575 V 60 Hz 10P

Rated current : 46.0 A
 LRC : 8.0
 Rated torque : 40.9 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 300 %
 Rated speed : 710 rpm

Moment of inertia (J) : 2.59 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : A

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