

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 In Line Extra Thrust NEMA Premium Efficiency Three-Phase Product code : 14022317

Frame	: 364/5LP	Locked rotor time	: 32s (cold) 18s (hot)
Output	: 75 HP (55 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 65.9 A	Protection degree	: IP55
L. R. Amperes	: 461 A	Cooling method	: IC411 - TEFC
LRC	: 7.0x(Code G)	Mounting	: W-6
No load current	: 17.6 A	Rotation ¹	: CW
Rated speed	: 3560 rpm	Noise level ²	: 85.0 dB(A)
Slip	: 1.11 %	Starting method	: Direct On Line
Rated torque	: 15.3 kgfm	Approx. weight ³	: 458 kg
Locked rotor torque	: 229 %		
Breakdown torque	: 260 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.4198 kgm ²		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	93.0	94.1	94.1	Max. traction
Power Factor	0.00	0.81	0.87	0.89	Max. compression

		Drive end	Non drive end
Bearing type	:	6314	7311BECB
Sealing	:	Oil Seal	Lip Seal
Lubrication interval	:	1802 h	1621 h
Lubricant amount	:	27 g	18 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

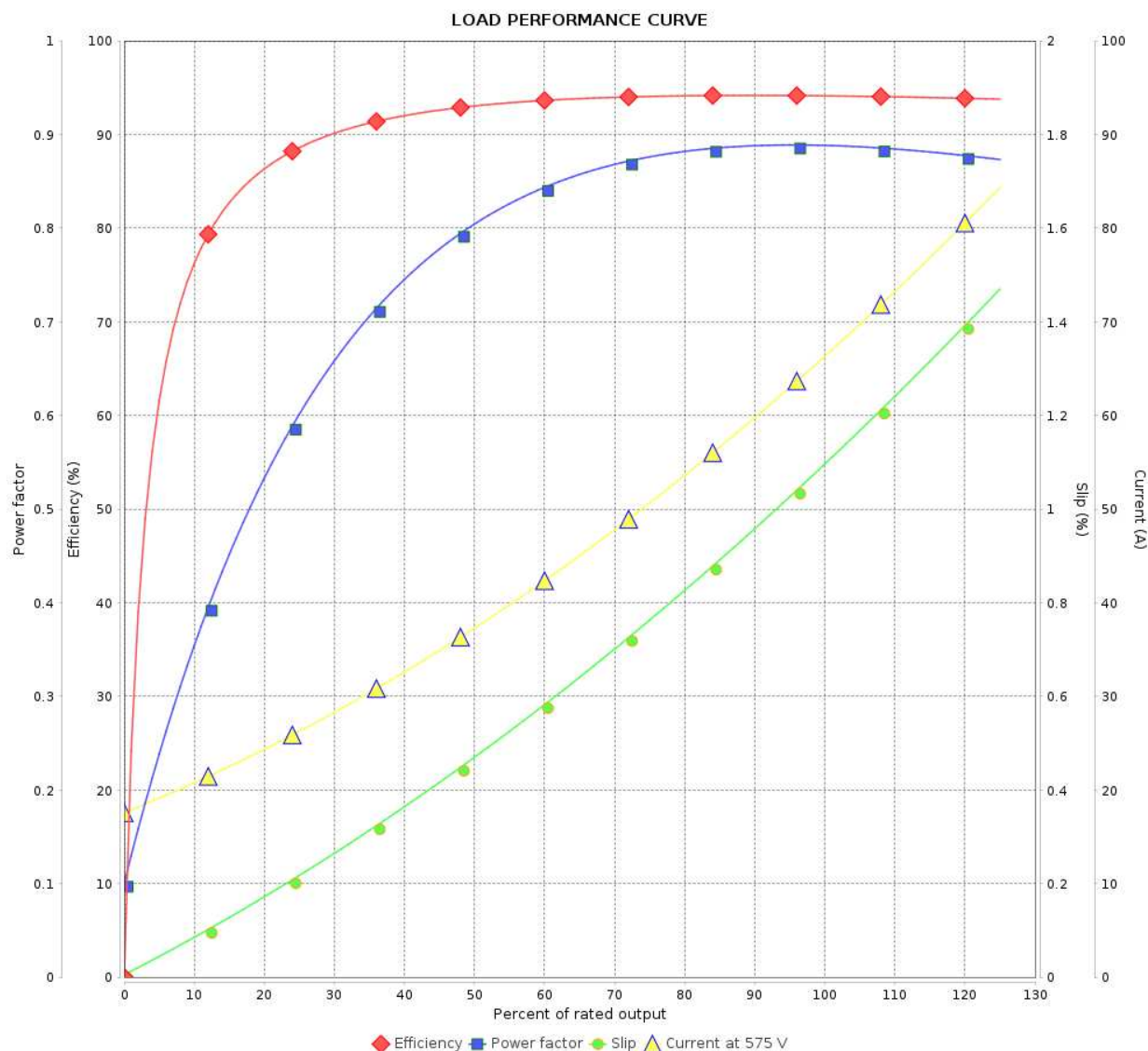
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W21 In Line Extra Thrust NEMA
Premium Efficiency Three-Phase

Product code : 14022317



Performance : 575 V 60 Hz 2P

Rated current : 65.9 A
LRC : 7.0
Rated torque : 15.3 kgfm
Locked rotor torque : 229 %
Breakdown torque : 260 %
Rated speed : 3560 rpm

Moment of inertia (J) : 0.4198 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

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