

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Single-Phase Product code : 11928080

Frame	: 215T	Locked rotor time	: 9s (cold) 5s (hot)
Output	: 12.5 HP (9.2 kW)	Temperature rise	: 105 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 47.8 A	Protection degree	: IP55
L. R. Amperes	: 320 A	Cooling method	: IC411 - TEFC
LRC	: 6.7x(Code G)	Mounting	: F-1
No load current	: 11.1 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1730 rpm	Starting method	: Direct On Line
Slip	: 3.89 %	Approx. weight ³	: 101 kg
Rated torque	: 5.24 kgfm		
Locked rotor torque	: 240 %		
Breakdown torque	: 200 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0632 kgm ²		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	83.0	85.6	86.2	Max. traction	: 143 kgf
Power Factor	0.00	0.96	0.97	0.97	Max. compression	: 244 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6308 ZZ	6206 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	0 h	0 h
Lubricant amount	:	0 g	0 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

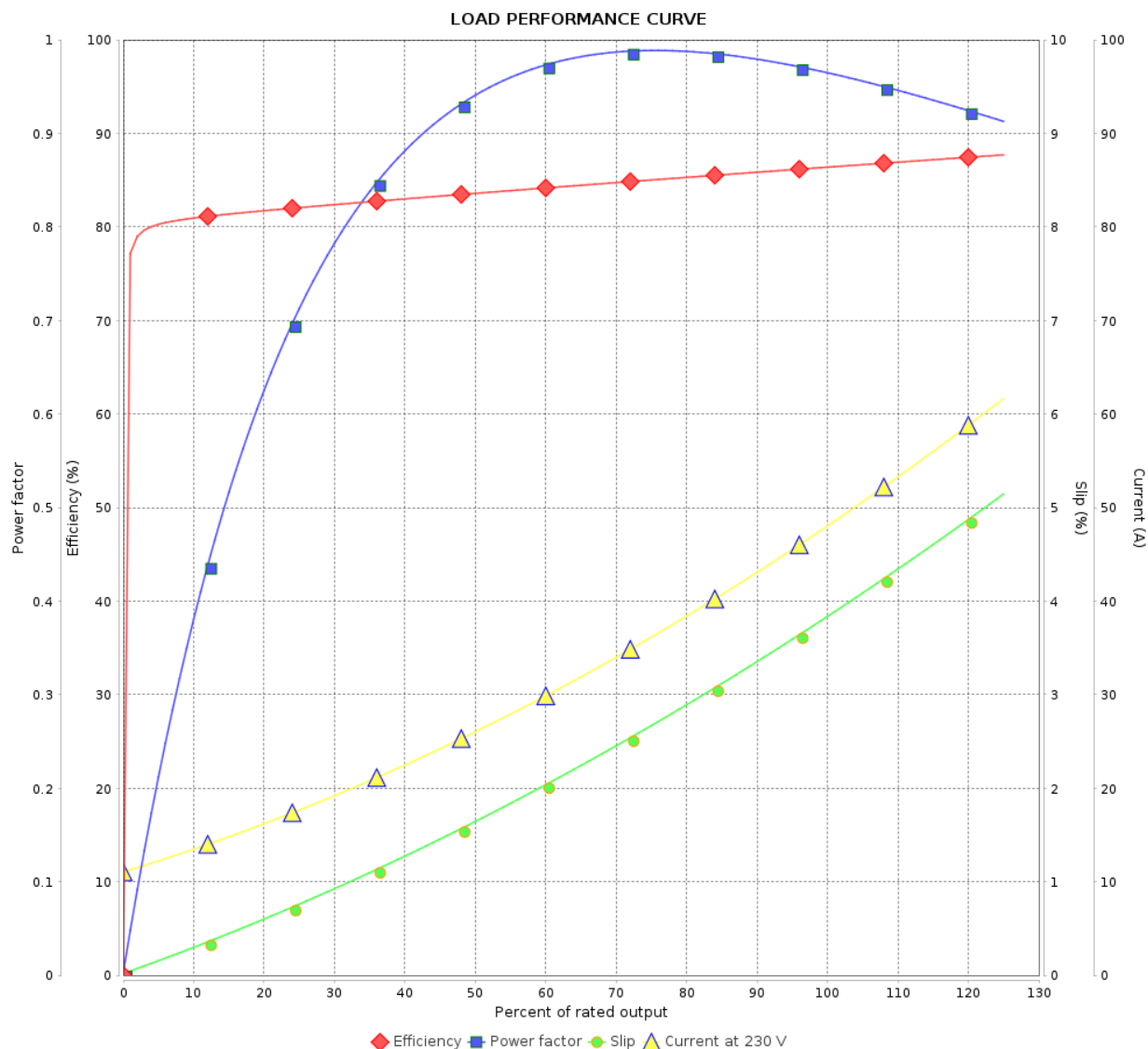
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Single-Phase

Product code : 11928080



Performance : 230 V 60 Hz 4P

Rated current : 47.8 A
LRC : 6.7
Rated torque : 5.24 kgfm
Locked rotor torque : 240 %
Breakdown torque : 200 %
Rated speed : 1730 rpm

Moment of inertia (J) : 0.0632 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 105 K

Rev.	Changes Summary	Performed	Checked	Date
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