

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Single-Phase

Product code : 13985856

Frame	: 213/5T	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 3 HP (2.2 kW)	Temperature rise	: 105 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 31.0/17.3-15.5 A	Protection degree	: IP55
L. R. Amperes	: 164/91.7-82.1 A	Cooling method	: IC411 - TEFC
LRC	: 5.3x(Code G)	Mounting	: F-1
No load current	: 13.2/6.50-6.60 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1160 rpm	Vibration	: Not Applicable
Slip	: 3.33 %	Starting method	: Direct On Line
Rated torque	: 1 kgfm	Approx. weight ³	: 66.0 kg
Locked rotor torque	: 155 %		: 207A (ISO 12944 - C3)
Breakdown torque	: 160 %		: RAL 5009
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0541 kgm ²		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	60.7	68.8	70.6	Max. traction	: 22 kgf
Power Factor	0.00	0.81	0.88	0.90	Max. compression	: 88 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	:	00088	

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

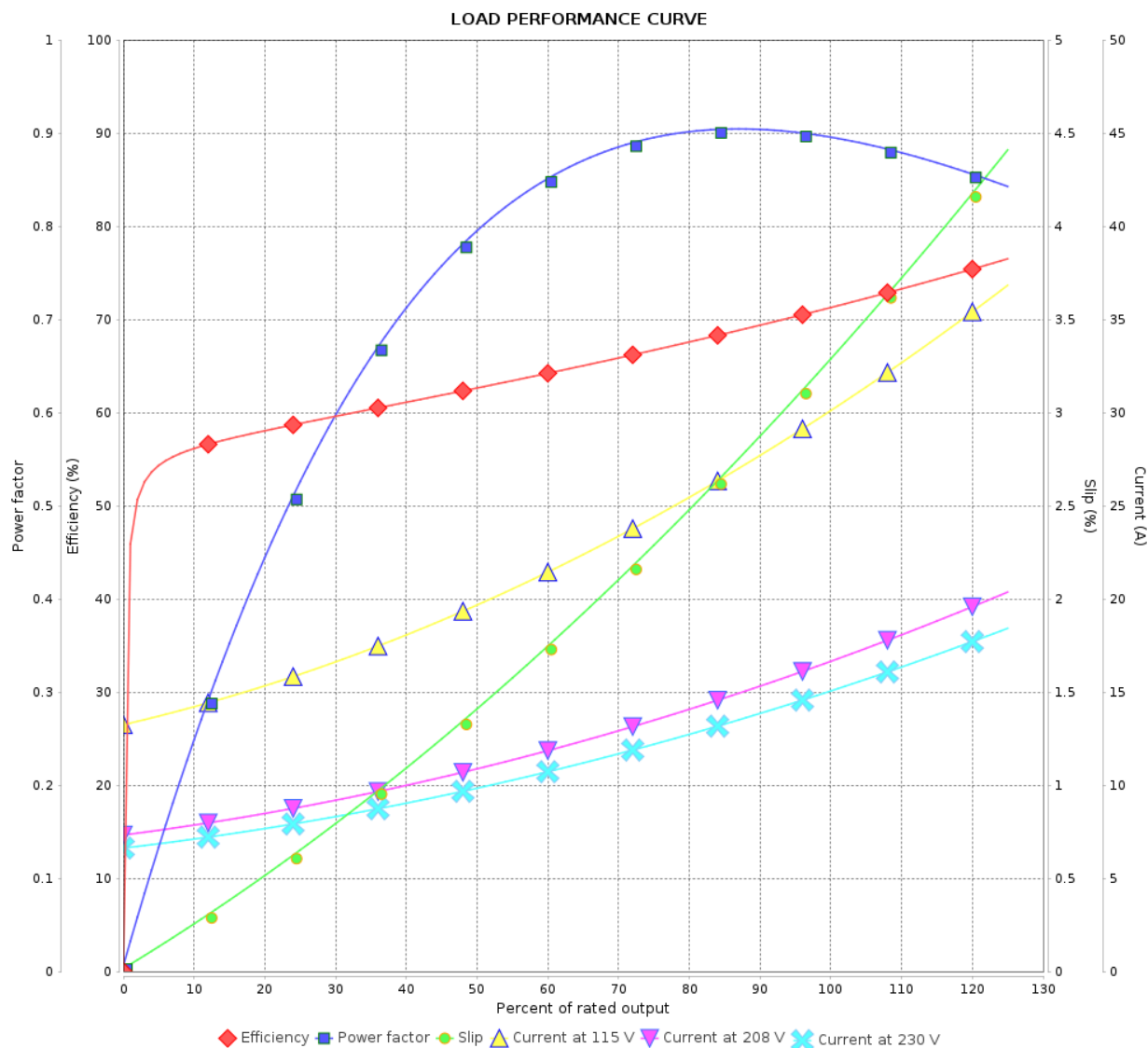
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Single-Phase

Product code : 13985856



Performance : 115/208-230 V 60 Hz 6P

Rated current : 31.0/17.3-15.5 A
LRC : 5.3
Rated torque : 1 kgfm
Locked rotor torque : 155 %
Breakdown torque : 160 %
Rated speed : 1160 rpm

Moment of inertia (J) : 0.0541 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.00
Temperature rise : 105 K

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