

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Single-Phase Product code : 10658520

Frame	: B56	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 0.25 HP (0.18 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 4.70/2.20-2.35 A	Protection degree	: IP55
L. R. Amperes	: 27.3/12.8-13.6 A	Cooling method	: IC411 - TEFC
LRC	: 5.8x(Code P)	Mounting	: F-1
No load current	: 4.00/1.72-2.00 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1750 rpm	Noise level ²	: 50.0 dB(A)
Slip	: 2.78 %	Starting method	: Direct On Line
Rated torque	: 0.104 kgfm	Approx. weight ³	: 8.9 kg
Locked rotor torque	: 360 %		
Breakdown torque	: 280 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0023 kgm ²		

Output	50%	75%	100%	Foundation loads
Efficiency (%)	45.0	53.0	57.7	Max. traction : 4 kgf
Power Factor	0.41	0.50	0.58	Max. compression : 13 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page Revision 1 / 2		
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Date	26/10/2024			

LOAD PERFORMANCE CURVE

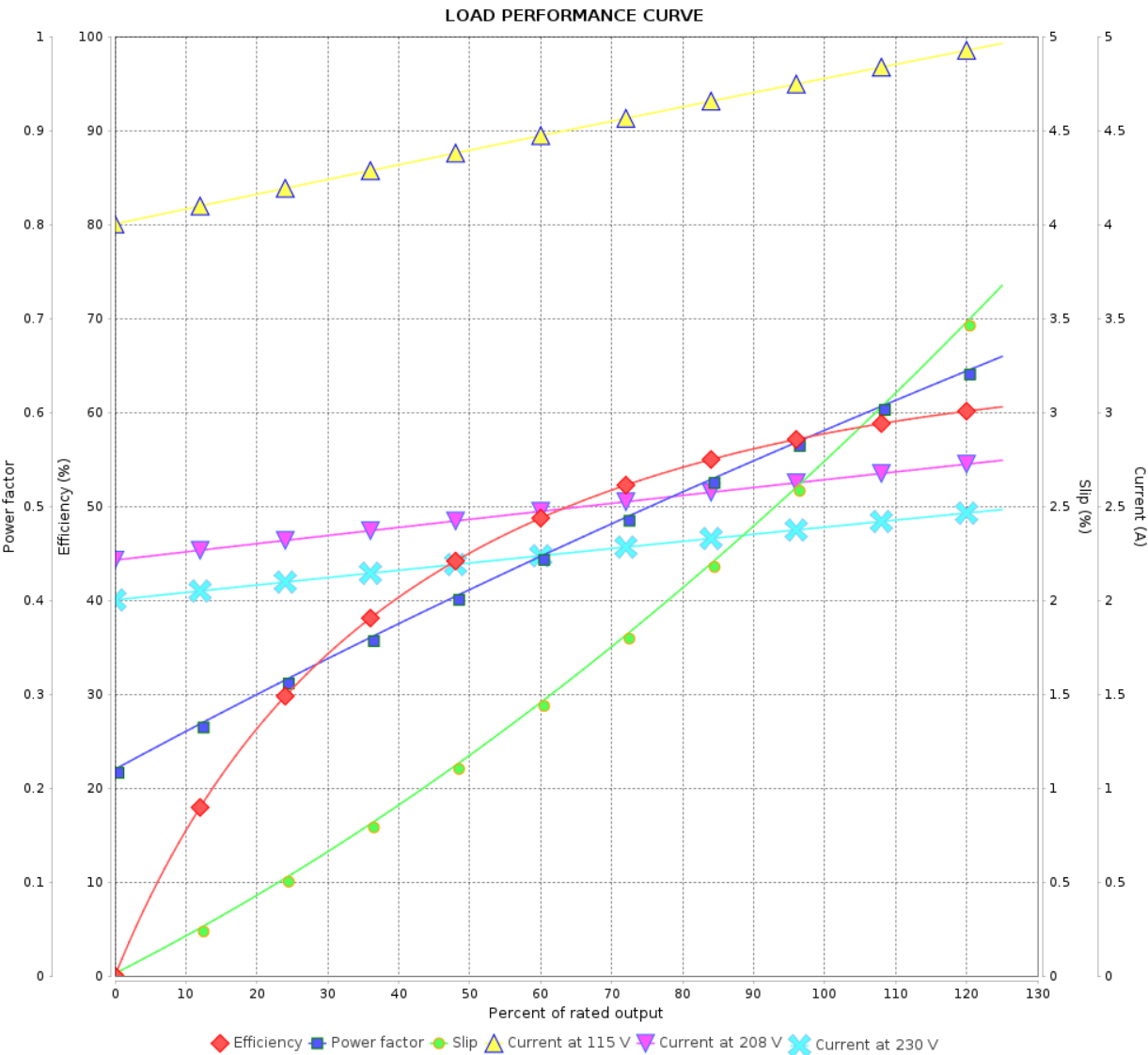
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Single-Phase

Product code : 10658520



Performance : 115/208-230 V 60 Hz 4P

Rated current : 4.70/2.20-2.35 A
LRC : 5.8
Rated torque : 0.104 kgfm
Locked rotor torque : 360 %
Breakdown torque : 280 %
Rated speed : 1750 rpm

Moment of inertia (J) : 0.0023 kgm²
Duty cycle : Cont.(S1)
Insulation class : B
Service factor :
Temperature rise : 80 K

Rev.	Changes Summary		Performed	Checked	Date
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