

# 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 <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 1750 rpm	Noise level <sup>2</sup>	: 50.0 dB(A)
Slip	: 2.78 %	Starting method	: Direct On Line
Rated torque	: 0.104 kgfm	Approx. weight <sup>3</sup>	: 8.9 kg
Locked rotor torque	: 360 %		
Breakdown torque	: 280 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0023 kgm <sup>2</sup>		

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

	Drive end	Non drive end
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.

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Date	26/10/2024		1 / 2	

# LOAD PERFORMANCE CURVE

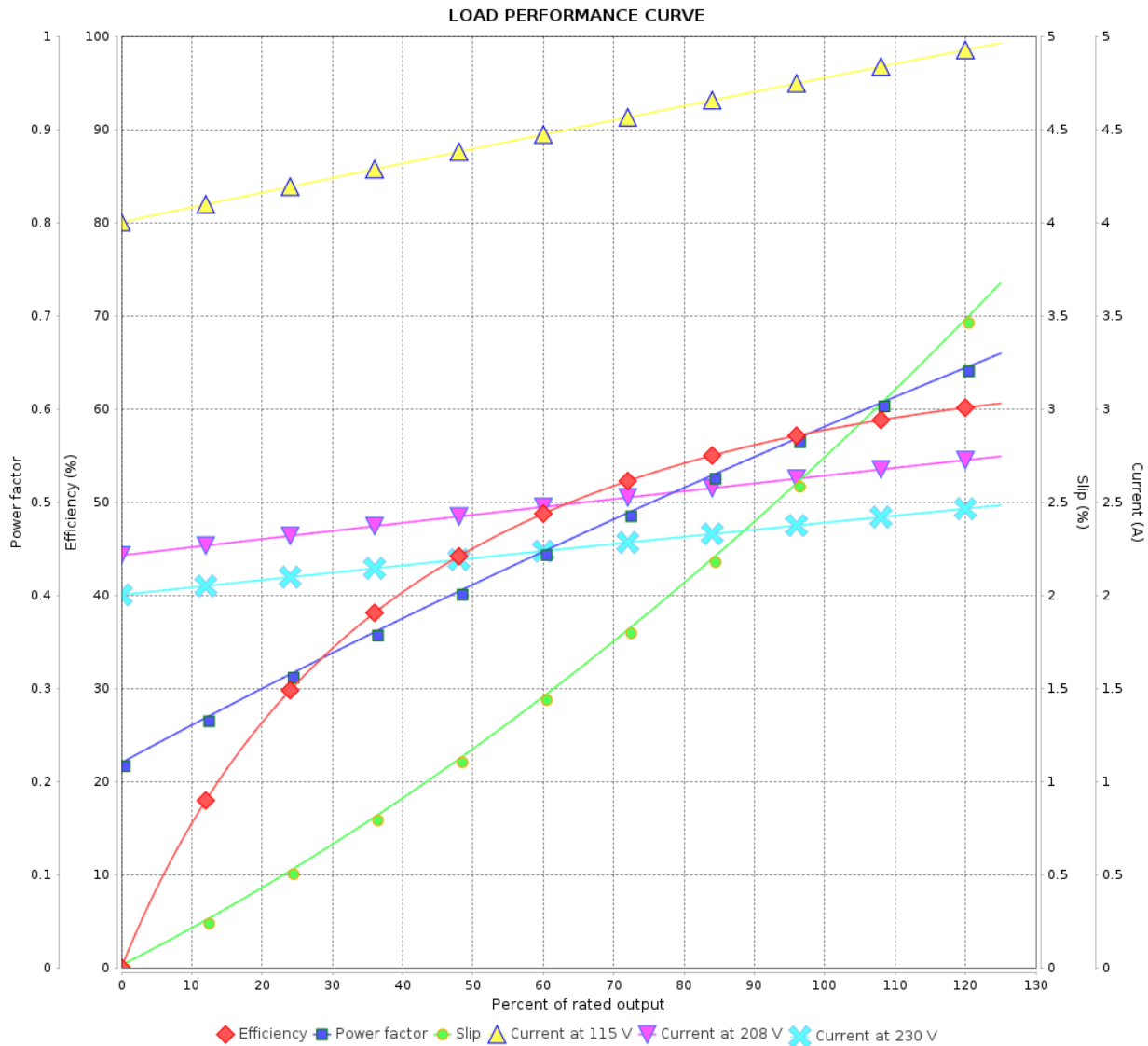
Single Phase Induction Motor - Squirrel Cage



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 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : B  
 Service factor :  
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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