

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : General Single-Phase Product code : 10084782

Frame	: B56	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 7.60/3.80-3.80 A	Protection degree	: IP55
L. R. Amperes	: 42.6/21.3-21.3 A	Cooling method	: IC411 - TEFC
LRC	: 5.6x(Code L)	Mounting	: F-1
No load current	: 5.60/2.41-2.80 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 3480 rpm	Noise level <sup>2</sup>	: 55.0 dB(A)
Slip	: 3.33 %	Starting method	: Direct On Line
Rated torque	: 0.104 kgfm	Approx. weight <sup>3</sup>	: 10.4 kg
Locked rotor torque	: 320 %		
Breakdown torque	: 280 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0013 kgm <sup>2</sup>		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	45.0	52.0	58.0	Max. traction	: 4 kgf
Power Factor	0.56	0.66	0.73	Max. compression	: 14 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.

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

# LOAD PERFORMANCE CURVE

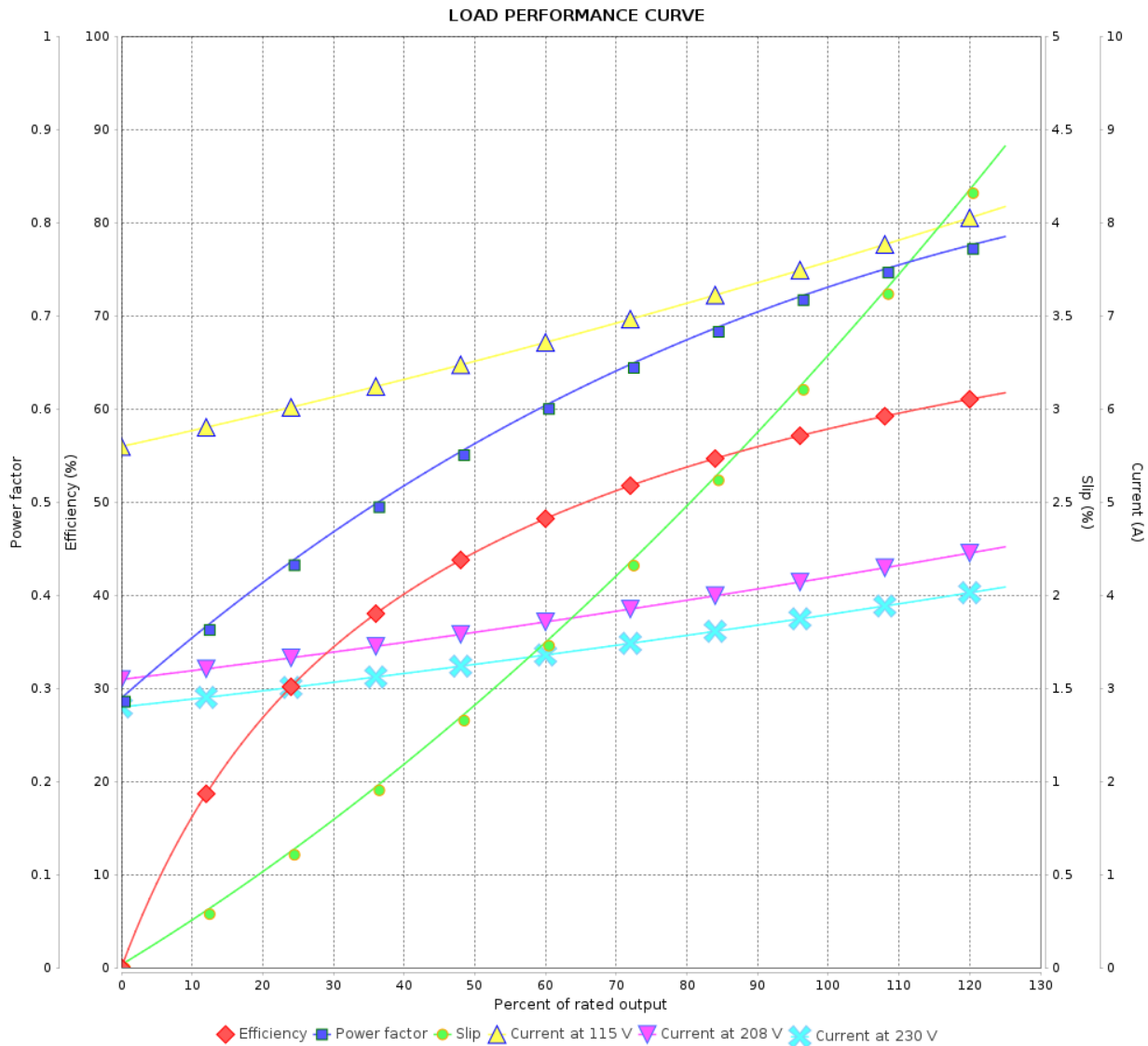
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Single-Phase

Product code : 10084782



Performance : 115/208-230 V 60 Hz 2P

Rated current : 7.60/3.80-3.80 A  
 LRC : 5.6  
 Rated torque : 0.104 kgfm  
 Locked rotor torque : 320 %  
 Breakdown torque : 280 %  
 Rated speed : 3480 rpm

Moment of inertia (J) : 0.0013 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : B  
 Service factor :  
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				