

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Farm Duty Single-Phase

Product code : 12058469

Frame : D56C  
 Output : 1 HP (0.75 kW)  
 Poles : 4  
 Frequency : 60 Hz  
 Rated voltage : 115/230 V  
 Rated current : 14.0/7.00 A  
 L. R. Amperes : 91.0/45.5 A  
 LRC : 6.5x(Code M)  
 No load current : 11.5/5.75 A  
 Rated speed : 1750 rpm  
 Slip : 2.78 %  
 Rated torque : 0.415 kgfm  
 Locked rotor torque : 320 %  
 Breakdown torque : 270 %  
 Insulation class : B  
 Service factor : 1.15  
 Moment of inertia (J) : 0.0056 kgm<sup>2</sup>

Locked rotor time : 10s (cold) 6s (hot)  
 Temperature rise : 80 K  
 Duty cycle : Cont.(S1)  
 Ambient temperature : -20°C to +40°C  
 Altitude : 1000 m.a.s.l.  
 Protection degree : IP55  
 Cooling method : IC411 - TEFC  
 Mounting : F-1  
 Rotation<sup>1</sup> : Both (CW and CCW)  
 Noise level<sup>2</sup> : 55.0 dB(A)  
 Starting method : Direct On Line  
 Approx. weight<sup>3</sup> : 16.4 kg

Output	50%	75%	100%
Efficiency (%)	60.0	67.0	70.3
Power Factor	0.45	0.56	0.65

Foundation loads  
 Max. traction : 27 kgf  
 Max. compression : 44 kgf

	Drive end	Non drive end
Bearing type	6204 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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# LOAD PERFORMANCE CURVE

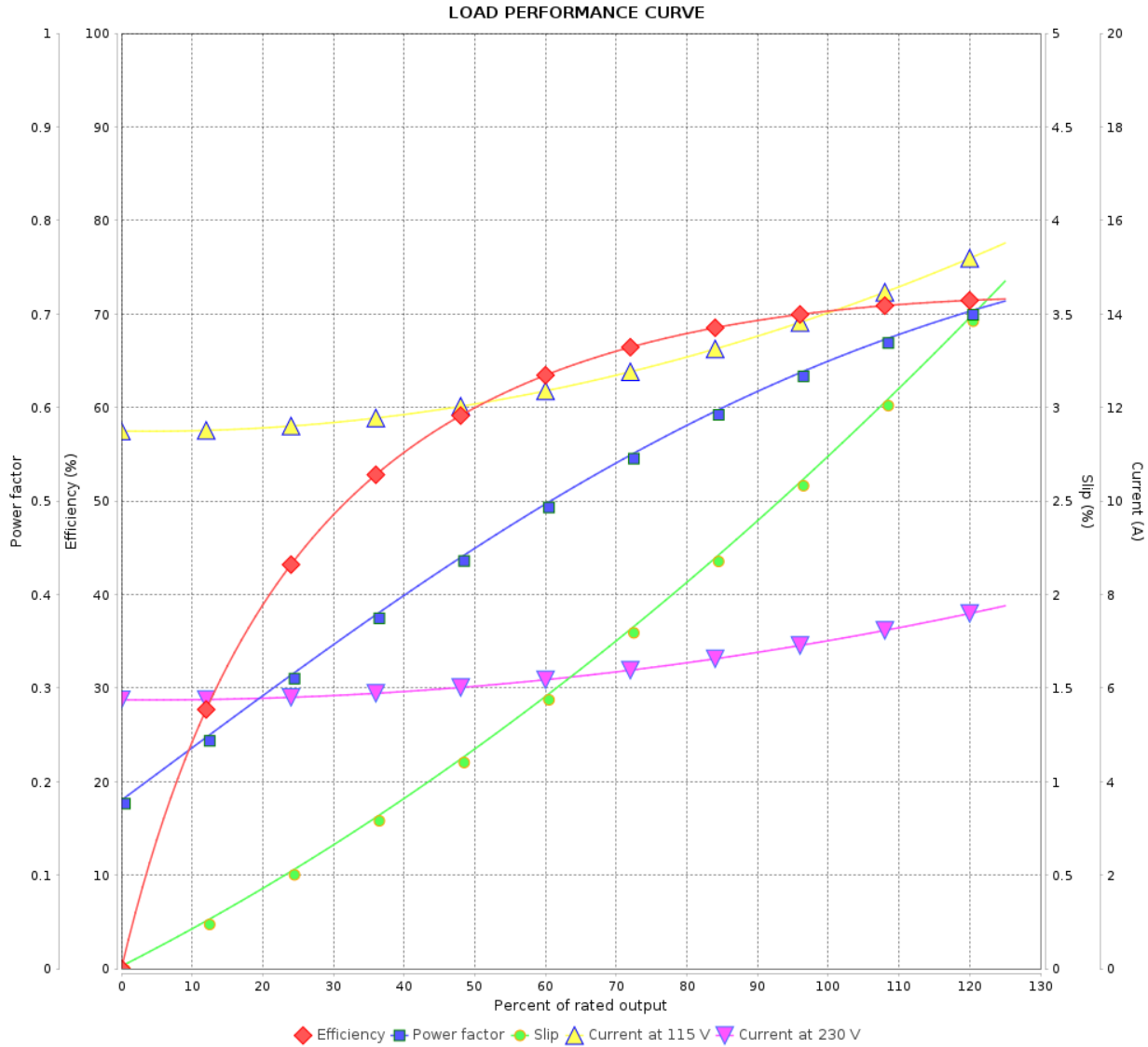
Single Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : Farm Duty Single-Phase

Product code : 12058469



Performance : 115/230 V 60 Hz 4P

Rated current : 14.0/7.00 A  
 LRC : 6.5  
 Rated torque : 0.415 kgfm  
 Locked rotor torque : 320 %  
 Breakdown torque : 270 %  
 Rated speed : 1750 rpm

Moment of inertia (J) : 0.0056 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : B  
 Service factor : 1.15  
 Temperature rise : 80 K

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