

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Farm Duty Single-Phase		Product code : 11950656	
Frame	: B56C		Locked rotor time	: 10s (cold) 6s (hot)	
Output	: 0.33 HP (0.25 kW)		Temperature rise	: 80 K	
Poles	: 4		Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C	
Rated voltage	: 115/230 V		Altitude	: 1000 m.a.s.l.	
Rated current	: 5.60/2.80 A		Protection degree	: IP55	
L. R. Amperes	: 32.5/16.2 A		Cooling method	: IC411 - TEFC	
LRC	: 5.8x(Code N)		Mounting	: F-1	
No load current	: 4.60/2.30 A		Rotation <sup>1</sup>	: Both (CW and CCW)	
Rated speed	: 1750 rpm		Noise level <sup>2</sup>	: 55.0 dB(A)	
Slip	: 2.78 %		Starting method	: Direct On Line	
Rated torque	: 0.137 kgfm		Approx. weight <sup>3</sup>	: 10.7 kg	
Locked rotor torque	: 340 %				
Breakdown torque	: 280 %				
Insulation class	: B				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0026 kgm <sup>2</sup>				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	49.0	58.0	61.0	Max. traction : 7 kgf	
Power Factor	0.44	0.53	0.62	Max. compression : 17 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					
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>			<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
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# LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

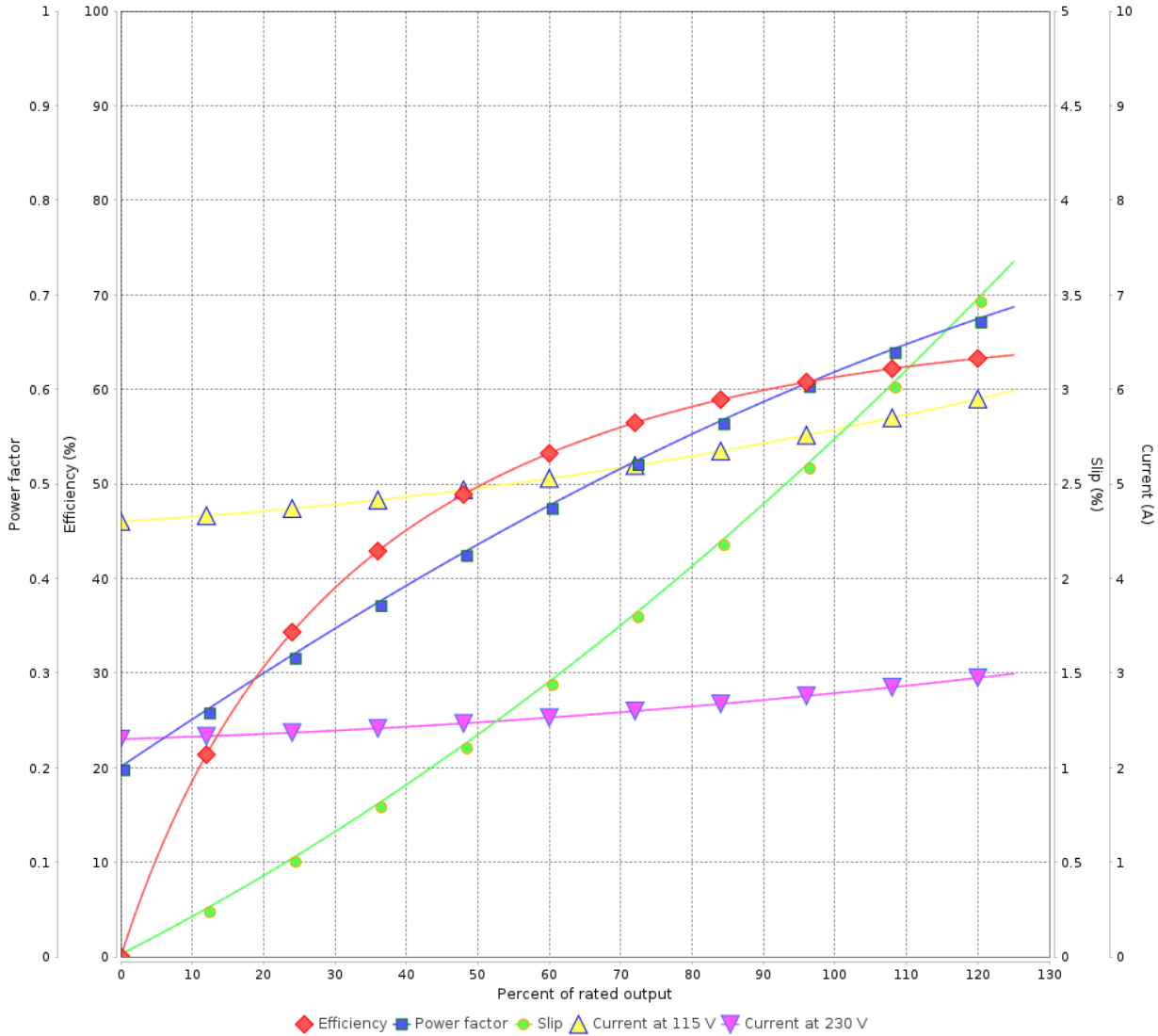


Customer :

Product line : Farm Duty Single-Phase

Product code : 11950656

LOAD PERFORMANCE CURVE



Performance : 115/230 V 60 Hz 4P

Rated current : 5.60/2.80 A  
 LRC : 5.8  
 Rated torque : 0.137 kgfm  
 Locked rotor torque : 340 %  
 Breakdown torque : 280 %  
 Rated speed : 1750 rpm

Moment of inertia (J) : 0.0026 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : B  
 Service factor : 1.15  
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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