

# DATA SHEET



## Single Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: General Single-Phase		Product code : 10660034		
Frame	: G143/5T		Locked rotor time	: 10s (cold) 6s (hot)		
Output	: 3 HP (2.2 kW)		Temperature rise	: 105 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	: 26.0/14.0-13.0 A		Protection degree	: IP55		
L. R. Amperes	: 203/109-101 A		Cooling method	: IC411 - TEFC		
LRC	: 7.8x(Code J)		Mounting	: F-1		
No load current	: 9.00/3.88-4.50 A		Rotation <sup>1</sup>	: Both (CW and CCW)		
Rated speed	: 3480 rpm		Noise level <sup>2</sup>	: 60.0 dB(A)		
Slip	: 3.33 %		Starting method	: Direct On Line		
Rated torque	: 0.626 kgfm		Approx. weight <sup>3</sup>	: 24.4 kg		
Locked rotor torque	: 250 %					
Breakdown torque	: 250 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.0040 kgm <sup>2</sup>					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	75.0	79.0	80.0	Max. traction : 32 kgf		
Power Factor	0.82	0.90	0.93	Max. compression : 57 kgf		
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6205 ZZ		6203 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

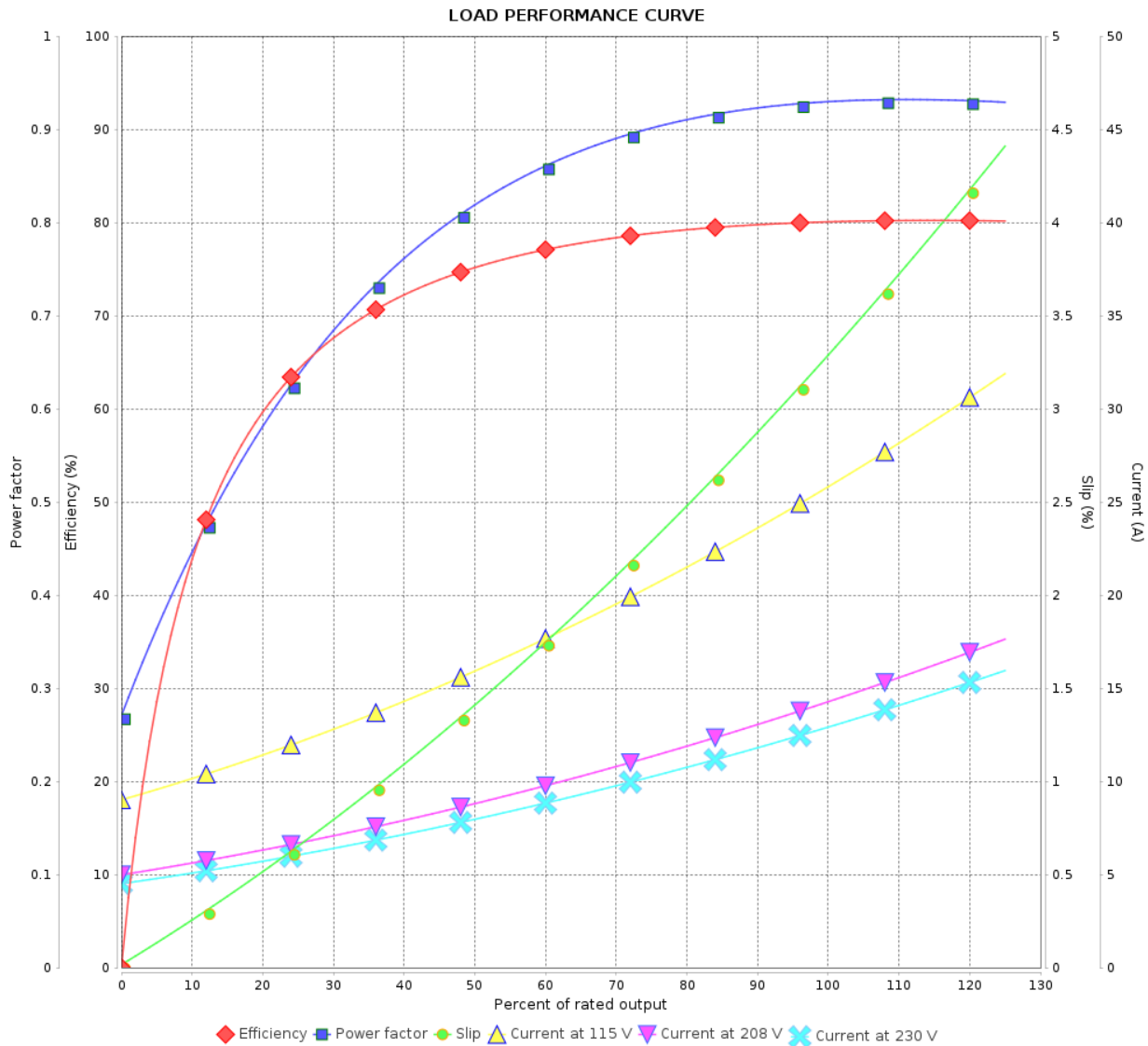
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Single-Phase

Product code : 10660034



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

Rated current : 26.0/14.0-13.0 A  
 LRC : 7.8  
 Rated torque : 0.626 kgfm  
 Locked rotor torque : 250 %  
 Breakdown torque : 250 %  
 Rated speed : 3480 rpm

Moment of inertia (J) : 0.0040 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor :  
 Temperature rise : 105 K

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