

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Standard Efficiency Three-Phase	Product code : 13485329		
Frame	: 56	Cooling method : IC411 - TEFC		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup> : Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup> : 9.7 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0025 kgm <sup>2</sup>		
Output [HP]		0.5		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		0.690		
L. R. Amperes [A]		4.83		
LRC [A]		7.0x(Code L)		
No load current [A]		0.480		
Rated speed [RPM]		1760		
Slip [%]		2.22		
Rated torque [kgfm]		0.206		
Locked rotor torque [%]		240		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		36s (cold) 20s (hot)		
Noise level <sup>2</sup>		52.0 dB(A)		
Efficiency (%)	25%			
	50%	68.0		
	75%	74.0		
	100%	77.0		
Power Factor	25%			
	50%	0.48		
	75%	0.61		
	100%	0.70		
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: V'Ring                      V'Ring	Max. traction : 15 kgf		
Lubrication interval	: -                                      -	Max. compression : 24 kgf		
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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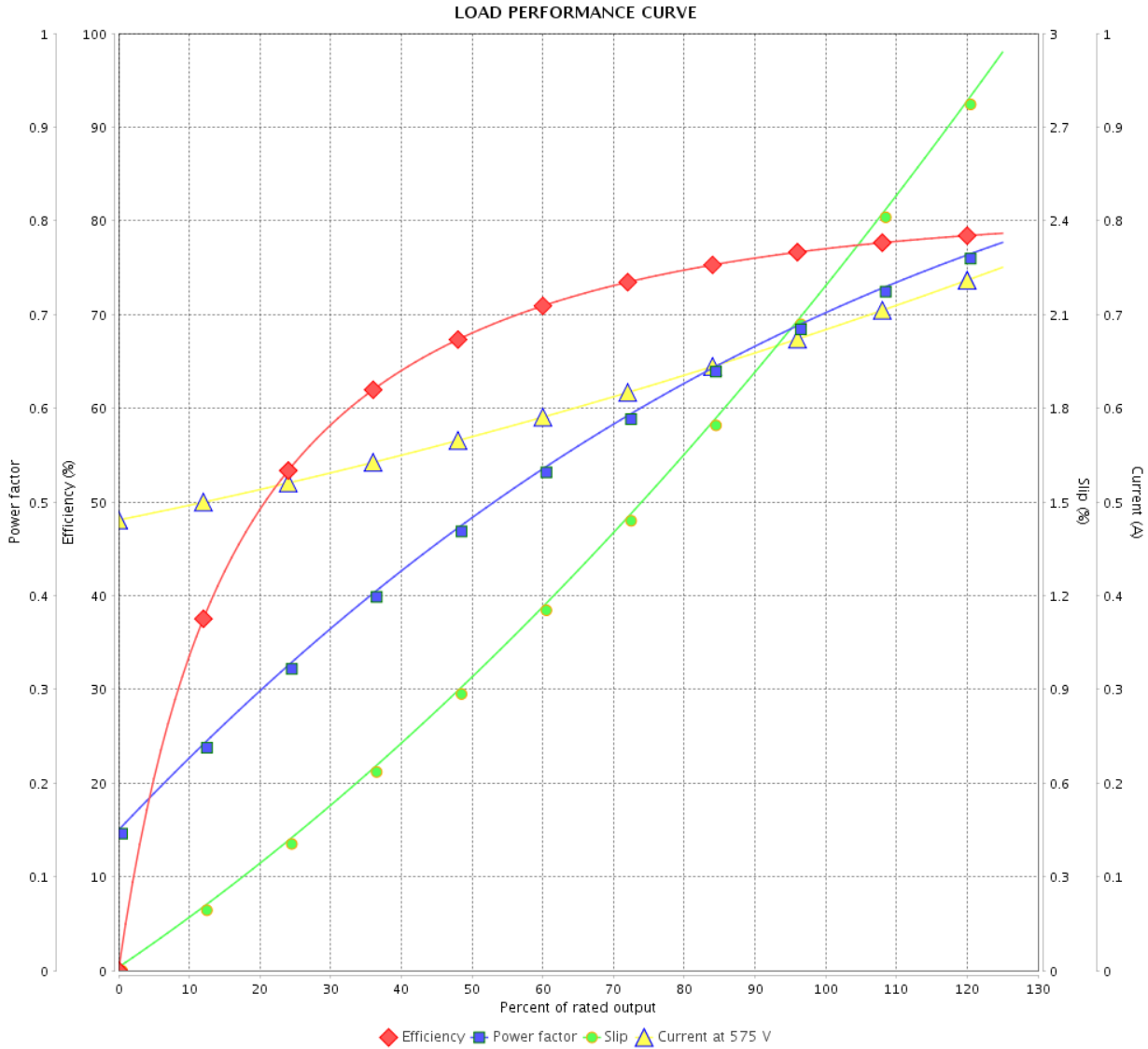
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13485329



Performance : 575 V 60 Hz 4P

Rated current : 0.690 A  
 LRC : 7.0  
 Rated torque : 0.206 kgfm  
 Locked rotor torque : 240 %  
 Breakdown torque : 300 %  
 Rated speed : 1760 rpm

Moment of inertia (J) : 0.0025 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

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