

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Three-Phase	Product code : 14477527		
Frame	: W56C	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> : 7.9 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0015 kgm <sup>2</sup>		
Output [HP]		0.33		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		0.499		
L. R. Amperes [A]		3.10		
LRC [A]		6.2x(Code L)		
No load current [A]		0.380		
Rated speed [RPM]		1740		
Slip [%]		3.33		
Rated torque [kgfm]		0.138		
Locked rotor torque [%]		260		
Breakdown torque [%]		350		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		39s (cold) 22s (hot)		
Noise level <sup>2</sup>		50.0 dB(A)		
Efficiency (%)	25%			
	50%	66.0		
	75%	72.0		
	100%	74.0		
Power Factor	25%			
	50%	0.46		
	75%	0.58		
	100%	0.68		
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: V'Ring                    V'Ring	Max. traction : 11 kgf		
Lubrication interval	: -                                -	Max. compression : 19 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

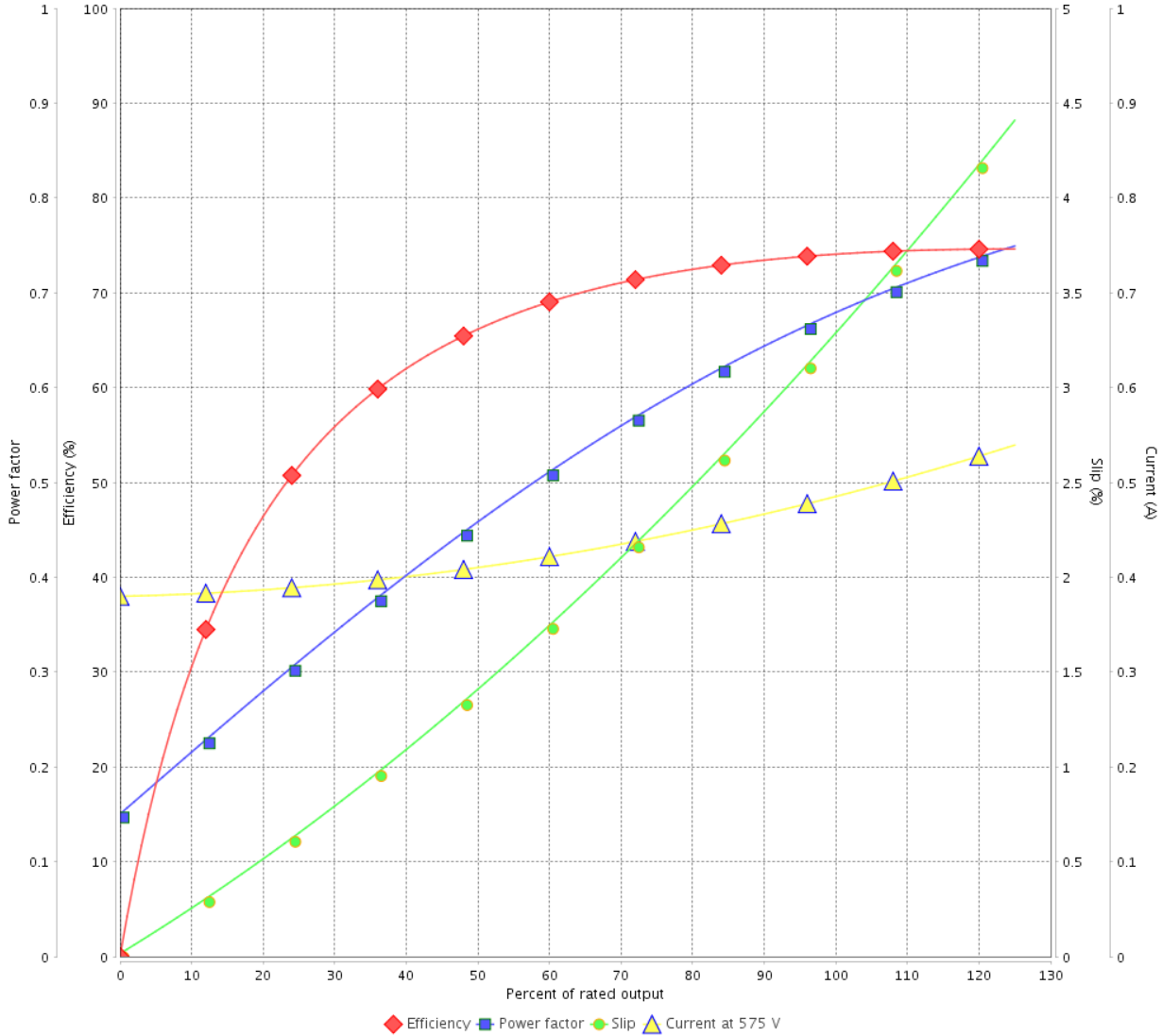


Customer :

Product line : Three-Phase

Product code : 14477527

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current : 0.499 A  
 LRC : 6.2  
 Rated torque : 0.138 kgfm  
 Locked rotor torque : 260 %  
 Breakdown torque : 350 %  
 Rated speed : 1740 rpm

Moment of inertia (J) : 0.0015 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

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