

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Three-Phase	Product code : 14453334		
Frame	: W56	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> : 7.8 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				
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

Three Phase Induction Motor - Squirrel Cage

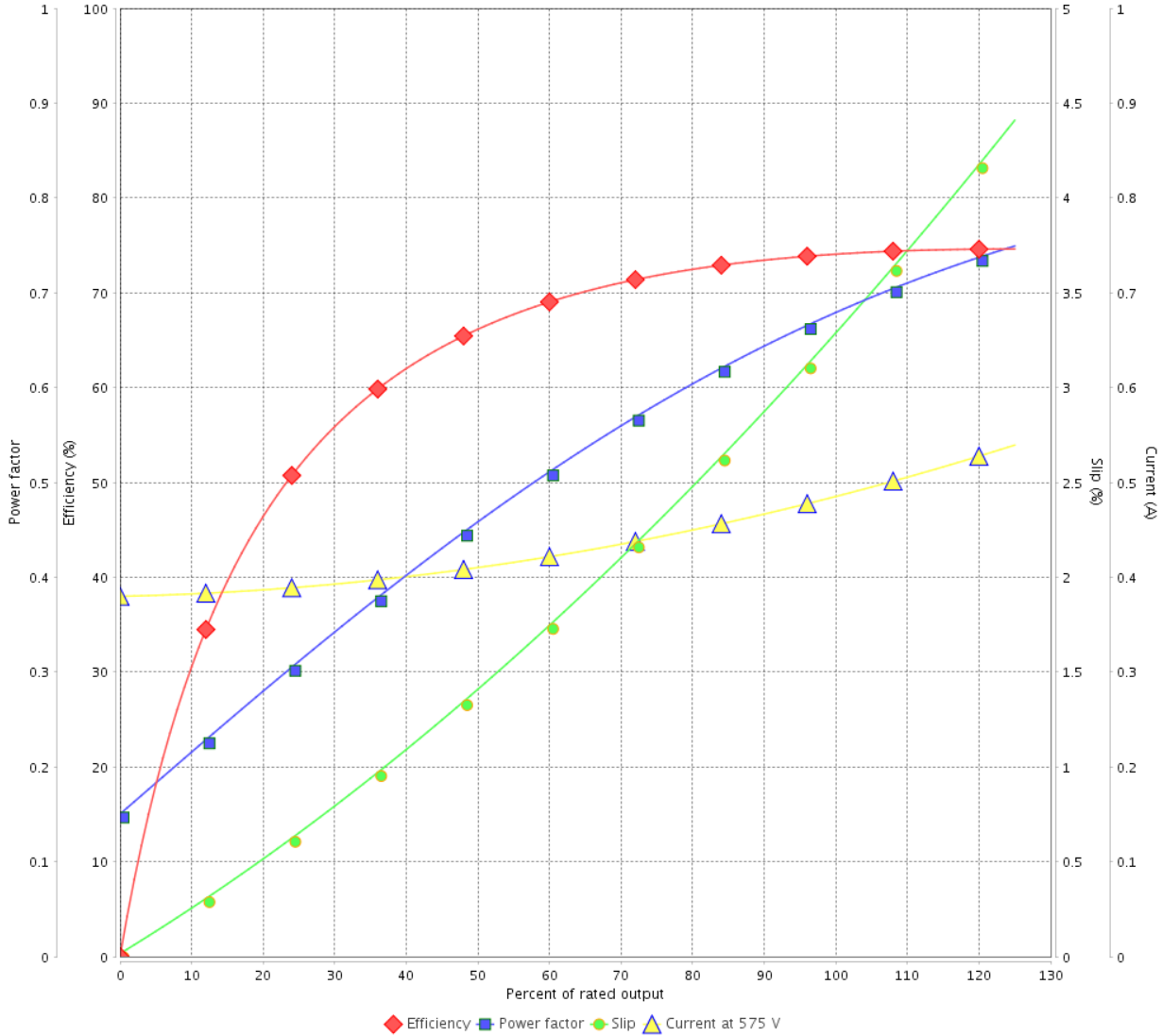


Customer :

Product line : Three-Phase

Product code : 14453334

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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