

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Premium Efficiency Three-Phase	Product code : 14451786		
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> : 8.9 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0009 kgm <sup>2</sup>		
Output [HP]		0.75		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		0.896		
L. R. Amperes [A]		7.26		
LRC [A]		8.1x(Code L)		
No load current [A]		0.498		
Rated speed [RPM]		3440		
Slip [%]		4.44		
Rated torque [kgfm]		0.158		
Locked rotor torque [%]		350		
Breakdown torque [%]		360		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		28s (cold) 16s (hot)		
Noise level <sup>2</sup>		65.0 dB(A)		
Efficiency (%)	25%			
	50%	70.0		
	75%	75.5		
	100%	77.0		
Power Factor	25%			
	50%	0.62		
	75%	0.74		
	100%	0.80		
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: V'Ring Without Bearing Seal	Max. traction : 13 kgf Max. compression : 22 kgf		
Lubrication interval	: -			
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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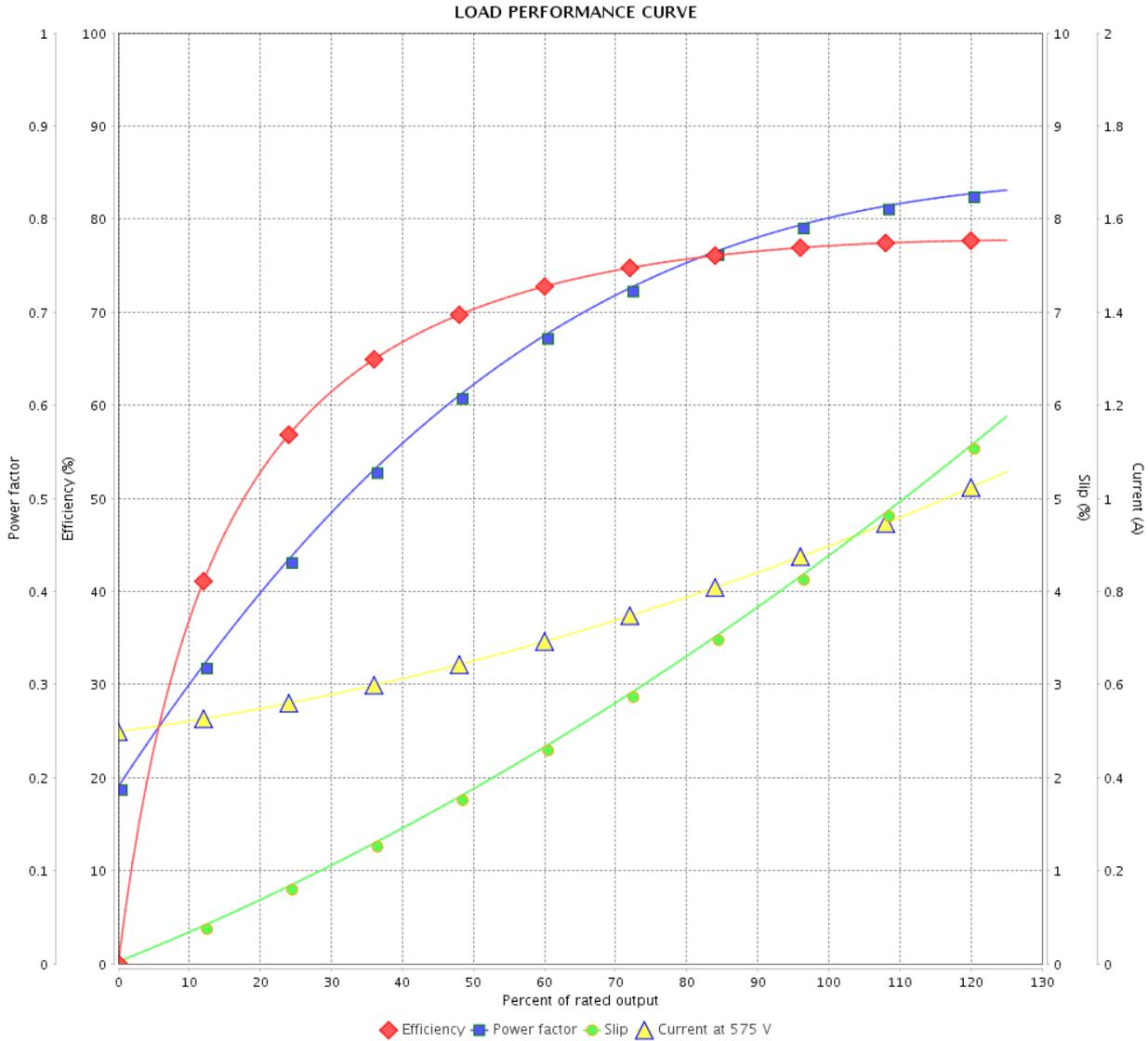
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase      Product code : 14451786



Performance : 575 V 60 Hz 2P

Rated current : 0.896 A  
 LRC : 8.1  
 Rated torque : 0.158 kgfm  
 Locked rotor torque : 350 %  
 Breakdown torque : 360 %  
 Rated speed : 3440 rpm

Moment of inertia (J) : 0.0009 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

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