

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line : Three-Phase		Product code : 14453335			
Frame : W56	Insulation class : F	Cooling method : IC411 - TEFC	Mounting : F-1		
Duty cycle : Cont.(S1)	Ambient temperature : -20°C to +40°C	Rotation <sup>1</sup> : Both (CW and CCW)	Starting method : Direct On Line		
Altitude : 1000 m.a.s.l.	Protection degree : IP55	Approx. weight <sup>3</sup> : 8.2 kg	Moment of inertia (J) : 0.0008 kgm <sup>2</sup>		
Output [HP]	0.5				
Poles	2				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	0.627				
L. R. Amperes [A]	4.83				
LRC [A]	7.7x(Code L)				
No load current [A]	0.334				
Rated speed [RPM]	3435				
Slip [%]	4.58				
Rated torque [kgfm]	0.106				
Locked rotor torque [%]	330				
Breakdown torque [%]	360				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	32s (cold) 18s (hot)				
Noise level <sup>2</sup>	65.0 dB(A)				
Efficiency (%)	25%				
	50%	68.0			
	75%	72.0			
	100%	74.0			
Power Factor	25%				
	50%	0.64			
	75%	0.75			
	100%	0.80			
Bearing type	: Drive end 6203 ZZ	Non drive end 6202 ZZ	Foundation loads		
Sealing	: V'Ring	V'Ring	Max. traction : 8 kgf		
Lubrication interval	: -	-	Max. compression : 16 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>		
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by					
Date	17/05/2022			Page 1 / 2	Revision

# LOAD PERFORMANCE CURVE

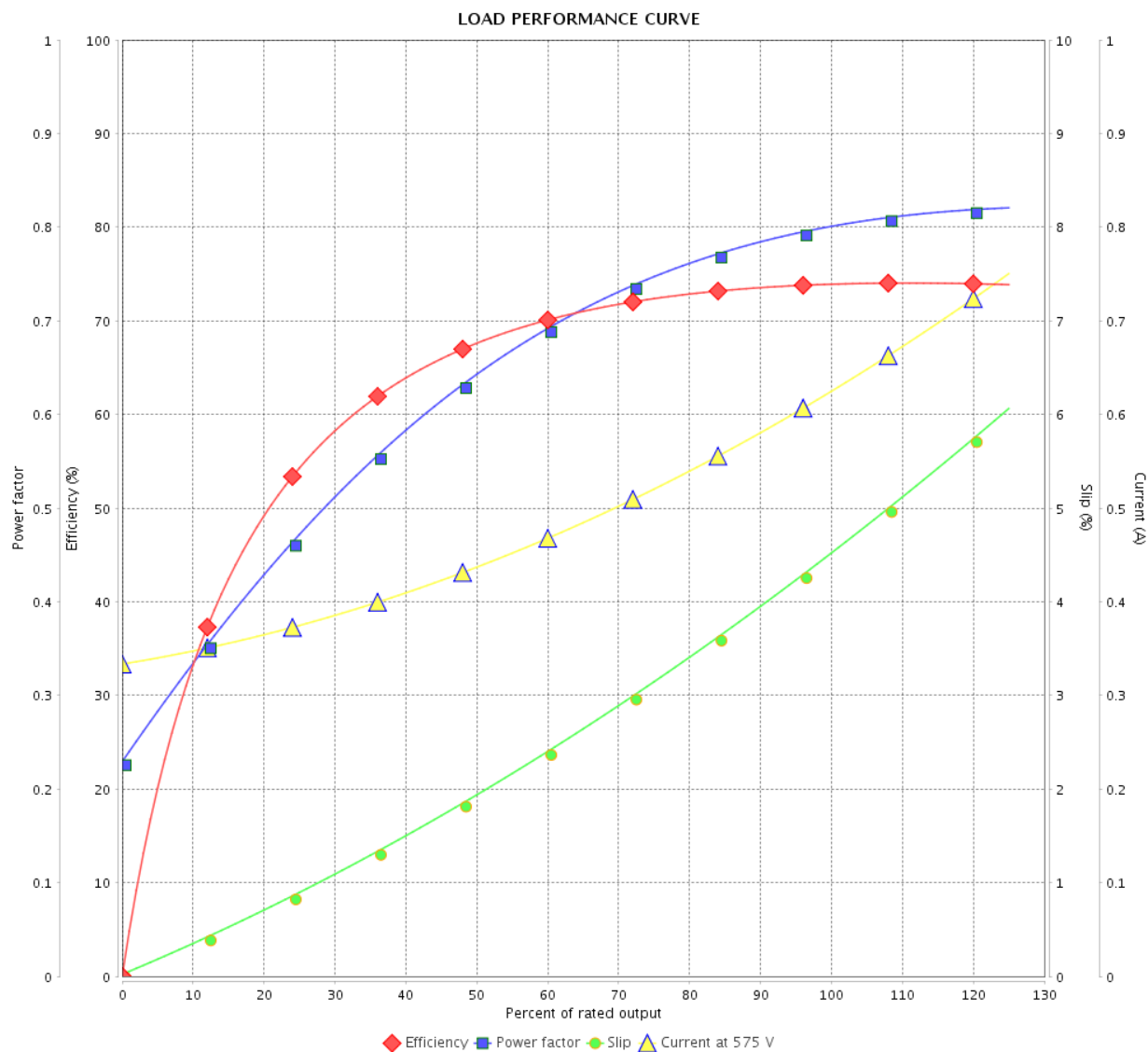
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 14453335



Performance : 575 V 60 Hz 2P

Rated current : 0.627 A  
 LRC : 7.7  
 Rated torque : 0.106 kgfm  
 Locked rotor torque : 330 %  
 Breakdown torque : 360 %  
 Rated speed : 3435 rpm

Moment of inertia (J) : 0.0008 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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Checked by				
Date	17/05/2022			

