

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer					
Product line	: Premium Efficiency Three-Phase	Product code	: 13484339		
Frame	: 56C	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>	: 16.7 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0052 kgm <sup>2</sup>		
Design	: B				
Output [HP]	1				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	1.18				
L. R. Amperes [A]	10.1				
LRC [A]	8.6x(Code M)				
No load current [A]	0.712				
Rated speed [RPM]	1765				
Slip [%]	1.94				
Rated torque [kgfm]	0.411				
Locked rotor torque [%]	280				
Breakdown torque [%]	300				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	34s (cold) 19s (hot)				
Noise level <sup>2</sup>	52.0 dB(A)				
Efficiency (%)	25%	81.0			
	50%	82.5			
	75%	84.0			
	100%	85.5			
Power Factor	25%	0.30			
	50%	0.52			
	75%	0.66			
	100%	0.75			
Bearing type	: Drive end	Non drive end	Foundation loads		
Sealing	: 6204 ZZ	6202 ZZ	Max. traction	: 31 kgf	
Lubrication interval	: V'Ring	Without	Max. compression	: 48 kgf	
Lubricant amount		Bearing Seal			
Lubricant type	: -	-			
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	11/05/2022			Page	Revision
				1 / 2	

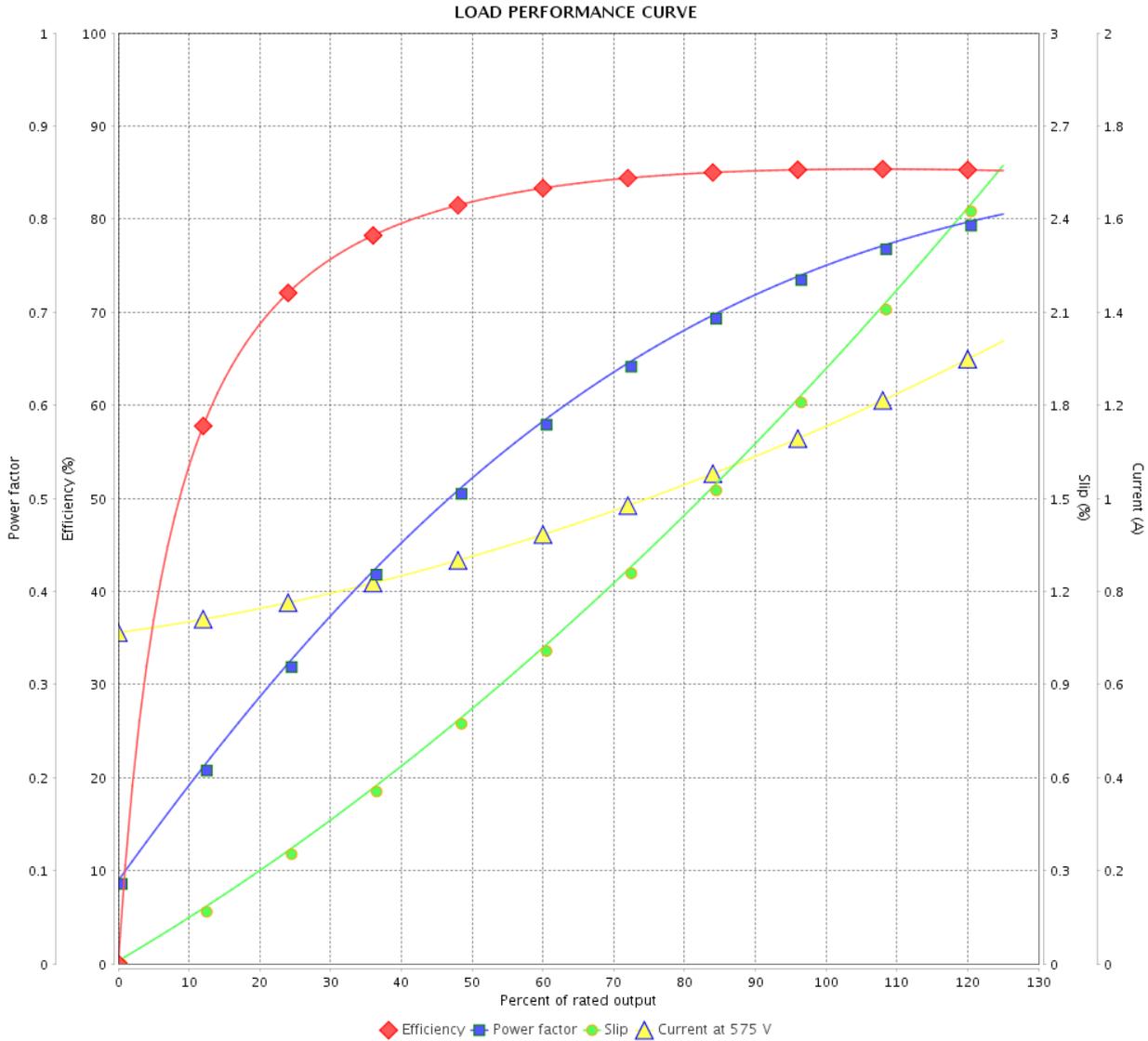
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 13484339



Performance : 575 V 60 Hz 4P

Rated current : 1.18 A  
 LRC : 8.6  
 Rated torque : 0.411 kgfm  
 Locked rotor torque : 280 %  
 Breakdown torque : 300 %  
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.0052 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	11/05/2022			