

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Three-Phase	Product code :	13709238		
Frame	: W56	Cooling method	: IC411 - TEFC		
Insulation class	: F	Mounting	: F-1		
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³	: 6.7 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0012 kgm ²		
Output [HP]	0.25				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	0.374				
L. R. Amperes [A]	2.10				
LRC [A]	5.6x(Code K)				
No load current [A]	0.302				
Rated speed [RPM]	1740				
Slip [%]	3.33				
Rated torque [kgfm]	0.104				
Locked rotor torque [%]	240				
Breakdown torque [%]	320				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	50s (cold) 28s (hot)				
Noise level ²	50.0 dB(A)				
Efficiency (%)	25%				
	50%	59.5			
	75%	66.0			
	100%	70.0			
Power Factor	25%				
	50%	0.48			
	75%	0.60			
	100%	0.69			
Bearing type	: <u>Drive end</u> 6203 ZZ	<u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: V'Ring	V'Ring	Max. traction	: 7 kgf	
Lubrication interval	: -	-	Max. compression	: 14 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

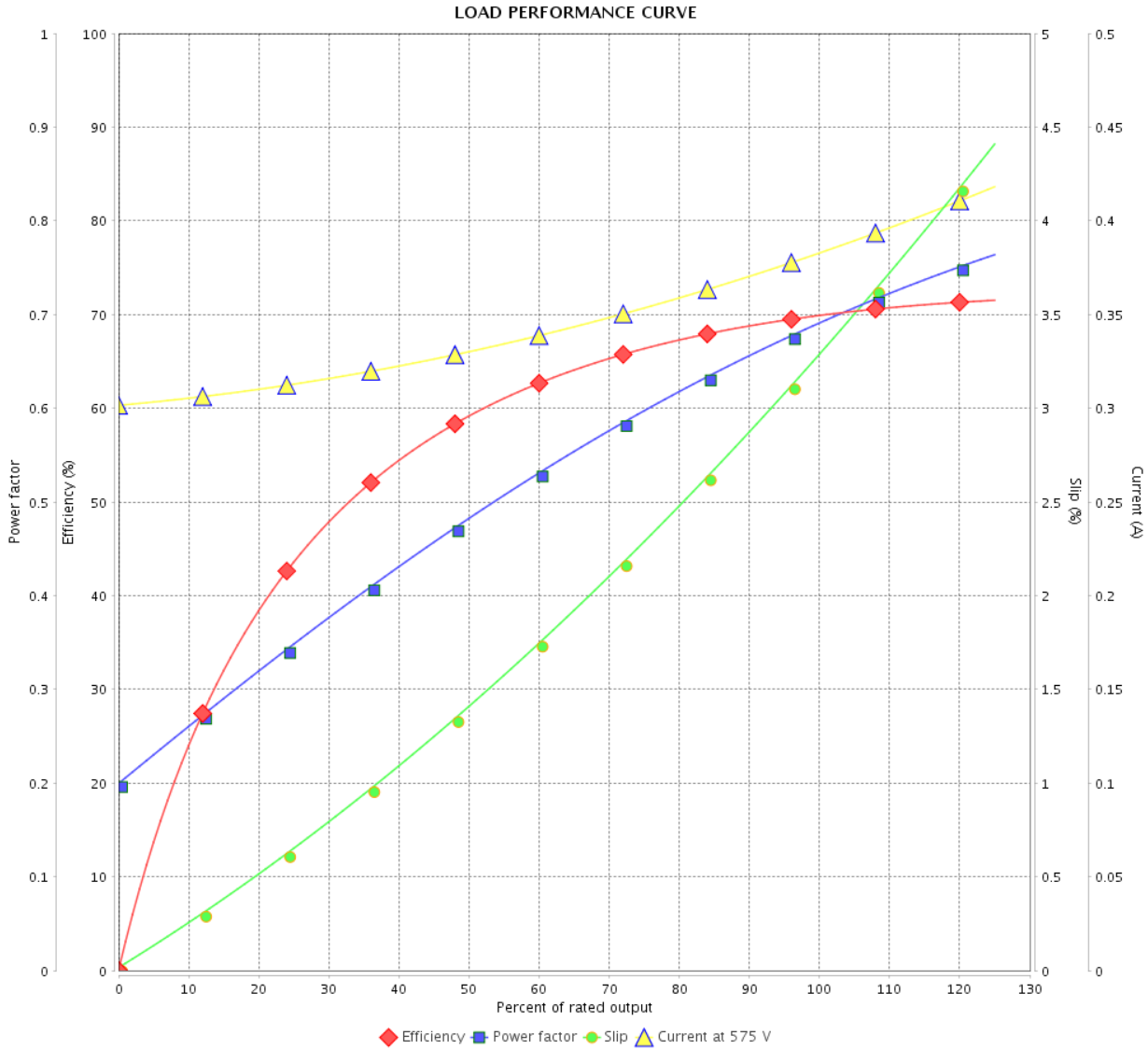
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Three-Phase

Product code : 13709238



Performance : 575 V 60 Hz 4P

Rated current : 0.374 A
 LRC : 5.6
 Rated torque : 0.104 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 320 %
 Rated speed : 1740 rpm

Moment of inertia (J) : 0.0012 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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