

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line : Three-Phase		Product code : 14453334			
Frame : W56	Insulation class : F	Cooling method : IC411 - TEFC	Mounting : F-1		
Duty cycle : Cont.(S1)	Ambient temperature : -20°C to +40°C	Rotation ¹ : Both (CW and CCW)	Starting method : Direct On Line		
Altitude : 1000 m.a.s.l.	Protection degree : IP55	Approx. weight ³ : 7.8 kg	Moment of inertia (J) : 0.0015 kgm ²		
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 ²	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	: Drive end 6203 ZZ	Non drive end 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

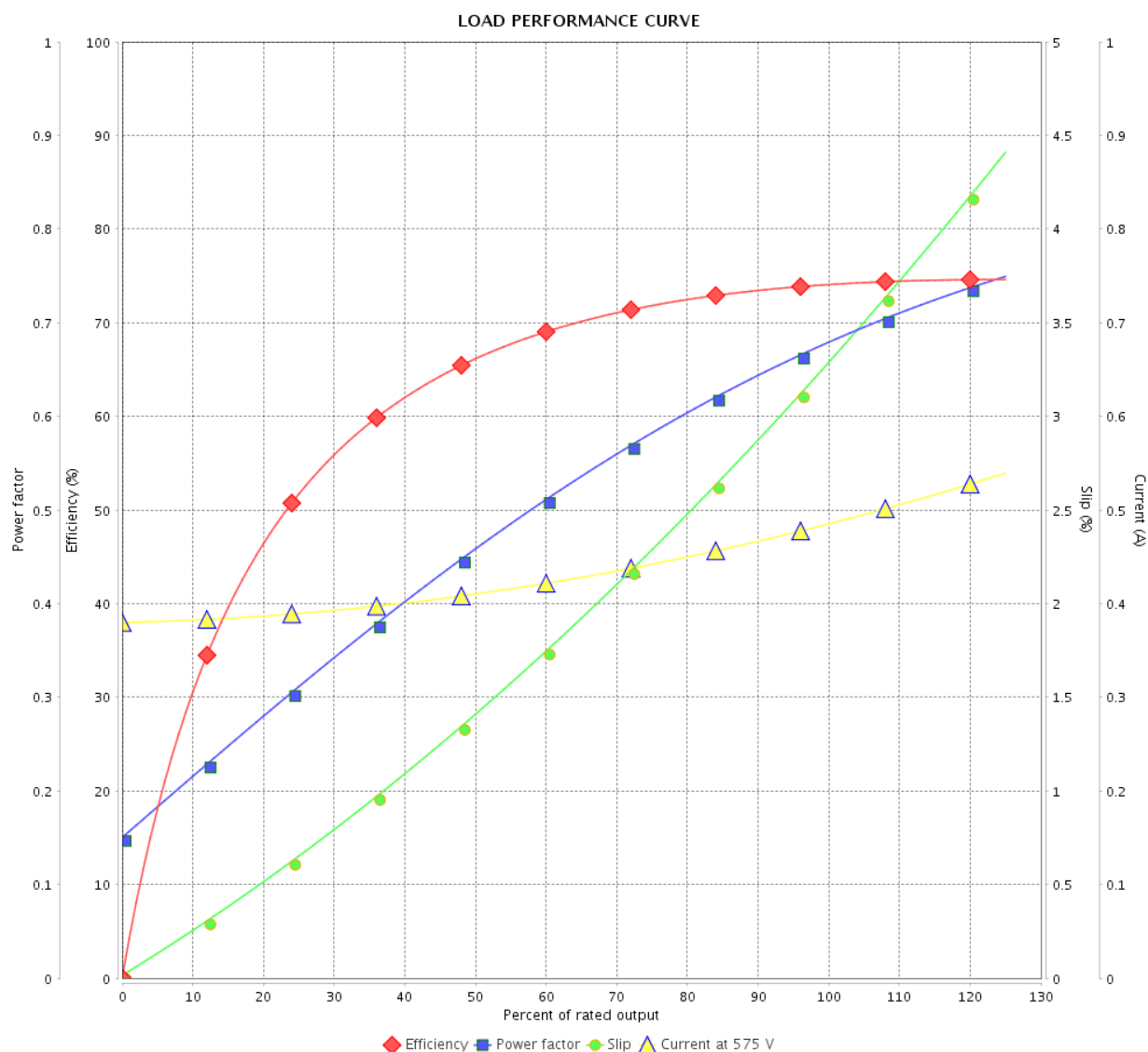
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Three-Phase

Product code : 14453334



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 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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