

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line	: Three-Phase			
Product code :	14453334			
Frame	: W56			
Insulation class	: F			
Duty cycle	: Cont.(S1)			
Ambient temperature	: -20°C to +40°C			
Altitude	: 1000 m.a.s.l.			
Protection degree	: IP55			
Cooling method	: IC411 - TEFC			
Mounting	: F-1			
Rotation ¹	: Both (CW and CCW)			
Starting method	: Direct On Line			
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	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ			
Sealing	: V'Ring V'Ring			
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Foundation loads	Max. traction : 11 kgf			
	Max. compression : 19 kgf			
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

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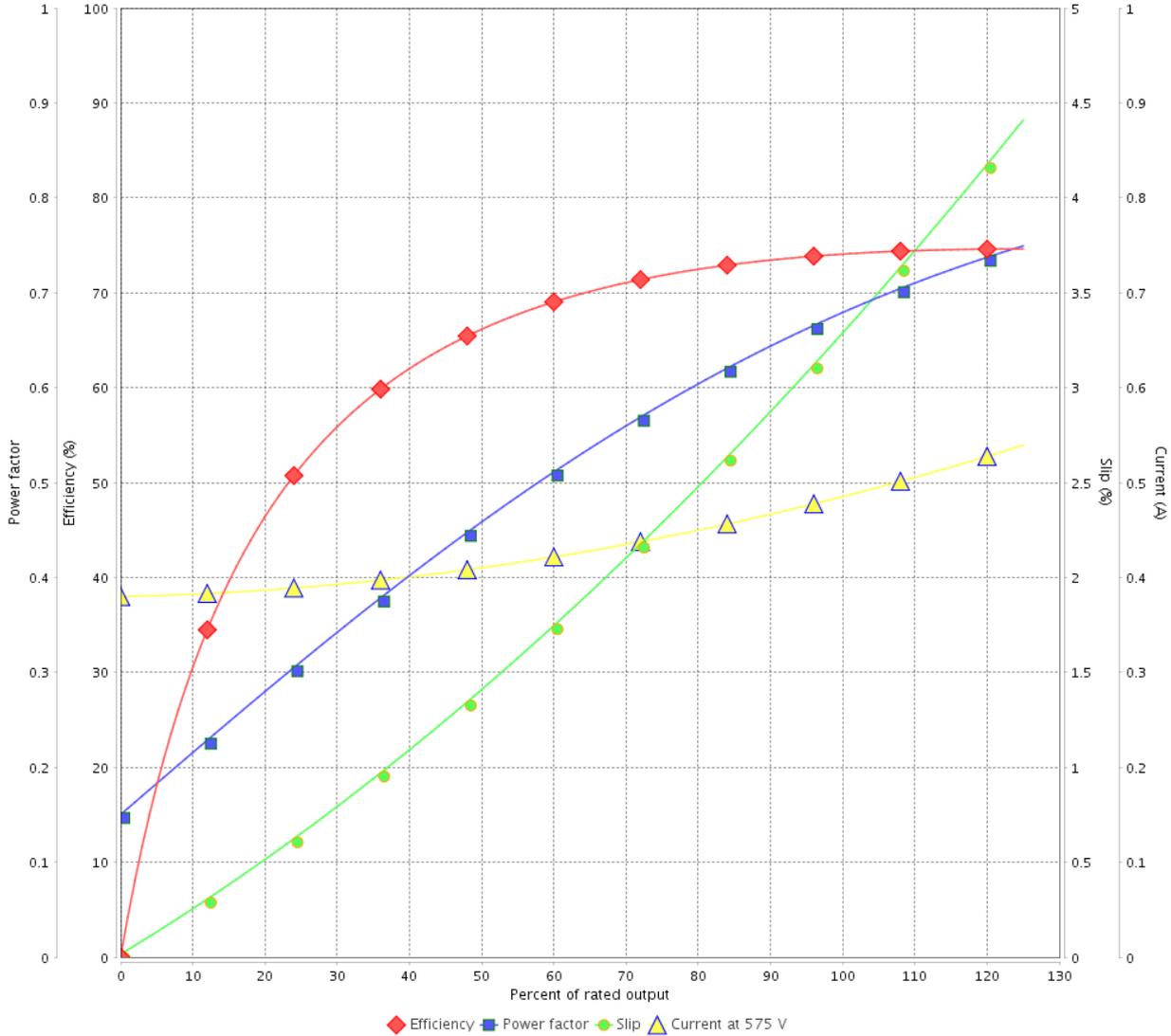


Customer :

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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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