

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Premium Efficiency Three-Phase	Product code	: 14876604		
Frame	: W56C	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	: 7.4 kg		
Protection degree	: IP55	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	
Sealing	: V'Ring		Without	Bearing Seal	
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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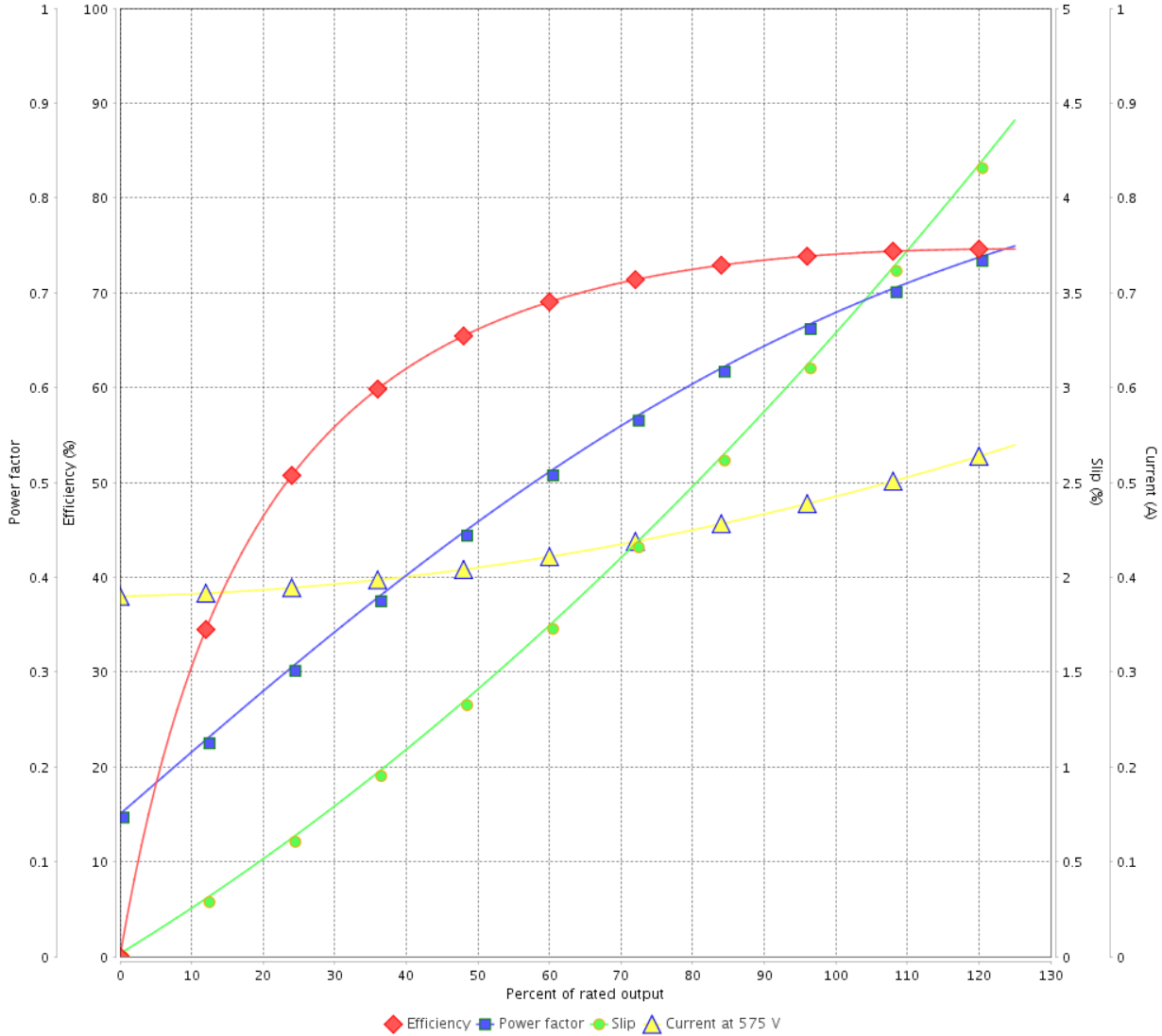
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Performance : 575 V 60 Hz 4P

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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