

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:				
Product line	: Premium Efficiency Three-Phase	Product code :	13989587		
Frame	: W56C	Cooling method	: IC01 - ODP		
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	: 8.8 kg		
		Moment of inertia (J)	: 0.0019 kgm ²		
Output [HP]	0.5				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	0.631				
L. R. Amperes [A]	4.04				
LRC [A]	6.4x(Code K)				
No load current [A]	0.426				
Rated speed [RPM]	1735				
Slip [%]	3.61				
Rated torque [kgfm]	0.209				
Locked rotor torque [%]	250				
Breakdown torque [%]	320				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	41s (cold) 23s (hot)				
Noise level ²	50.0 dB(A)				
Efficiency (%)	25%				
	50%	70.0			
	75%	75.5			
	100%	78.5			
Power Factor	25%				
	50%	0.53			
	75%	0.66			
	100%	0.75			
Bearing type	: <u>Drive end</u> 6203 ZZ	<u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: Without	Without	Max. traction	: 17 kgf	
	Bearing Seal	Bearing Seal	Max. compression	: 26 kgf	
Lubrication interval	: -	-			
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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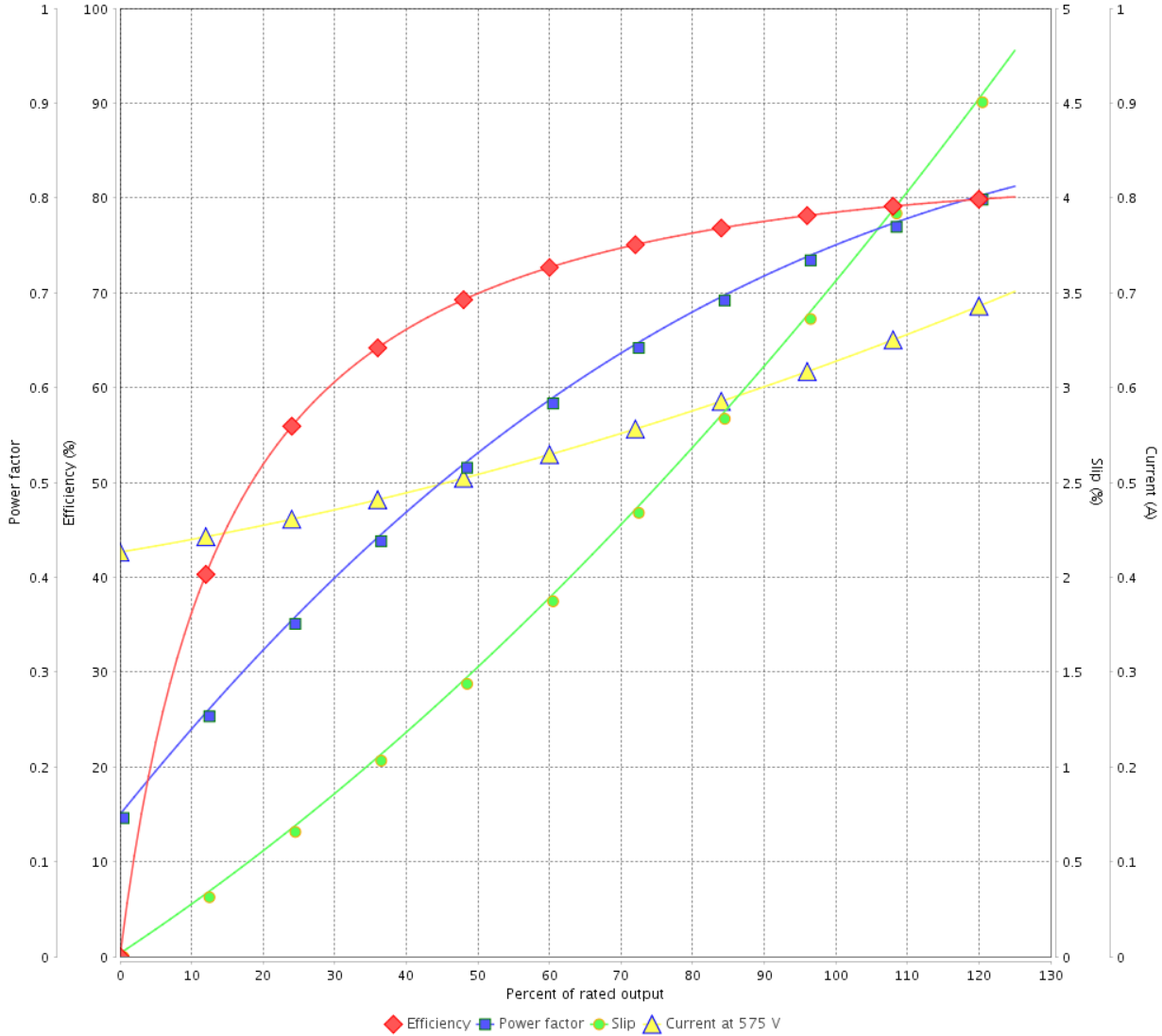
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 13989587

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Performance : 575 V 60 Hz 4P

Rated current : 0.631 A
 LRC : 6.4
 Rated torque : 0.209 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 320 %
 Rated speed : 1735 rpm

Moment of inertia (J) : 0.0019 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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