

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Standard Efficiency Three-Phase	Product code : 12894848		
Frame	: 56C	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 : 9.0 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0019 kgm ²		
Output [HP]		0.5		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		0.674		
L. R. Amperes [A]		4.72		
LRC [A]		7.0x(Code L)		
No load current [A]		0.360		
Rated speed [RPM]		3500		
Slip [%]		2.78		
Rated torque [kgfm]		0.104		
Locked rotor torque [%]		260		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		63s (cold) 35s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%	50.9		
	50%	55.0		
	75%	62.0		
	100%	68.0		
Power Factor	25%	0.43		
	50%	0.67		
	75%	0.75		
	100%	0.81		
Bearing type	: <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: V'Ring Without Bearing Seal	Max. traction : 5 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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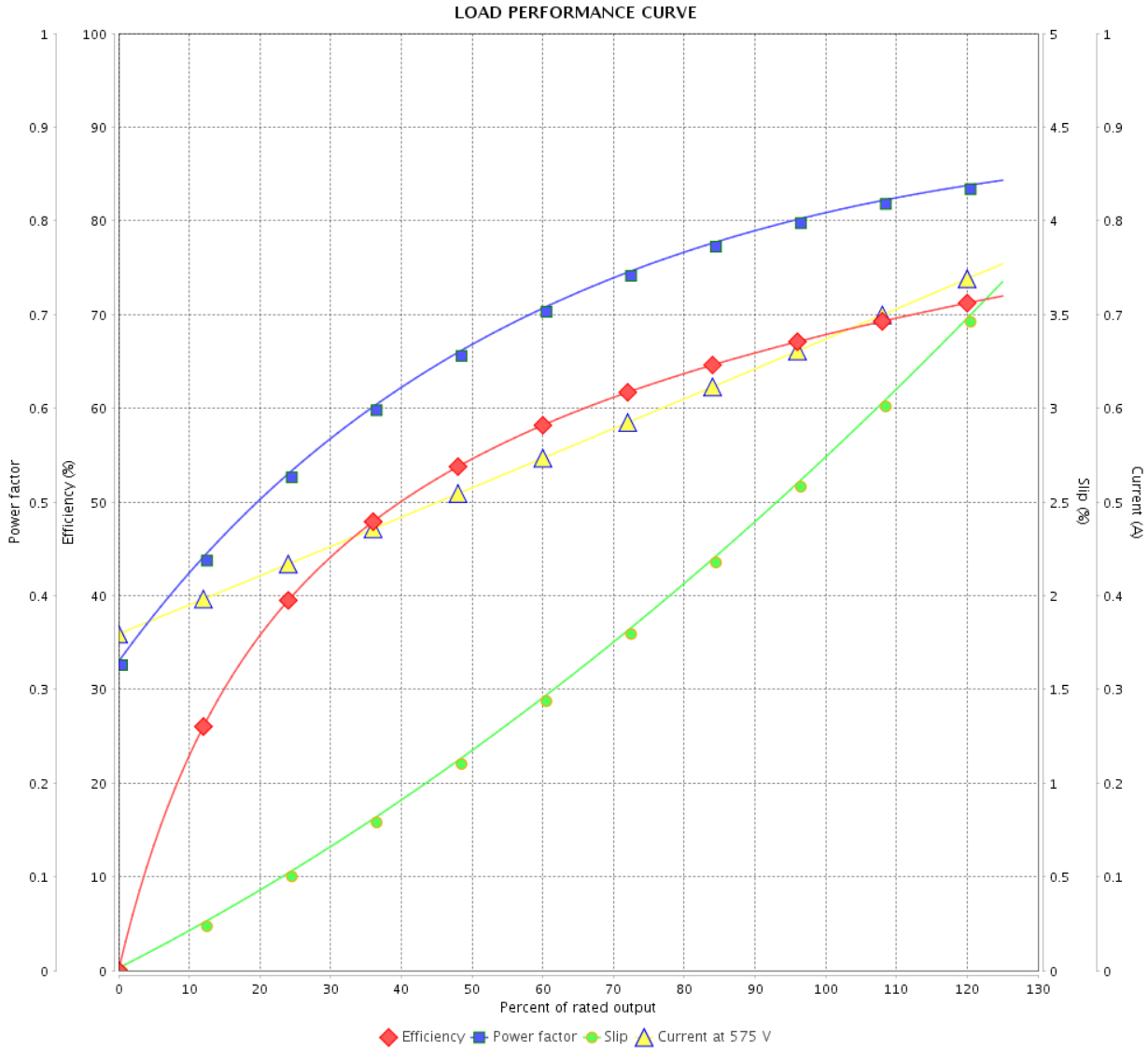
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 12894848



Performance : 575 V 60 Hz 2P

Rated current : 0.674 A
 LRC : 7.0
 Rated torque : 0.104 kgfm
 Locked rotor torque : 260 %
 Breakdown torque : 300 %
 Rated speed : 3500 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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