

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Premium Efficiency Three-Phase	Product code : 14724918		
Frame	: 56	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 : 11.9 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0045 kgm ²		
Output [HP]		0.5		
Poles		6		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		0.781		
L. R. Amperes [A]		4.37		
LRC [A]		5.6x(Code K)		
No load current [A]		0.619		
Rated speed [RPM]		1160		
Slip [%]		3.33		
Rated torque [kgfm]		0.313		
Locked rotor torque [%]		240		
Breakdown torque [%]		330		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		46s (cold) 26s (hot)		
Noise level ²		50.0 dB(A)		
Efficiency (%)	25%			
	50%	68.0		
	75%	74.0		
	100%	75.5		
Power Factor	25%			
	50%	0.41		
	75%	0.53		
	100%	0.63		
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 : 27 kgf		
Lubrication interval	: - -	Max. compression : 39 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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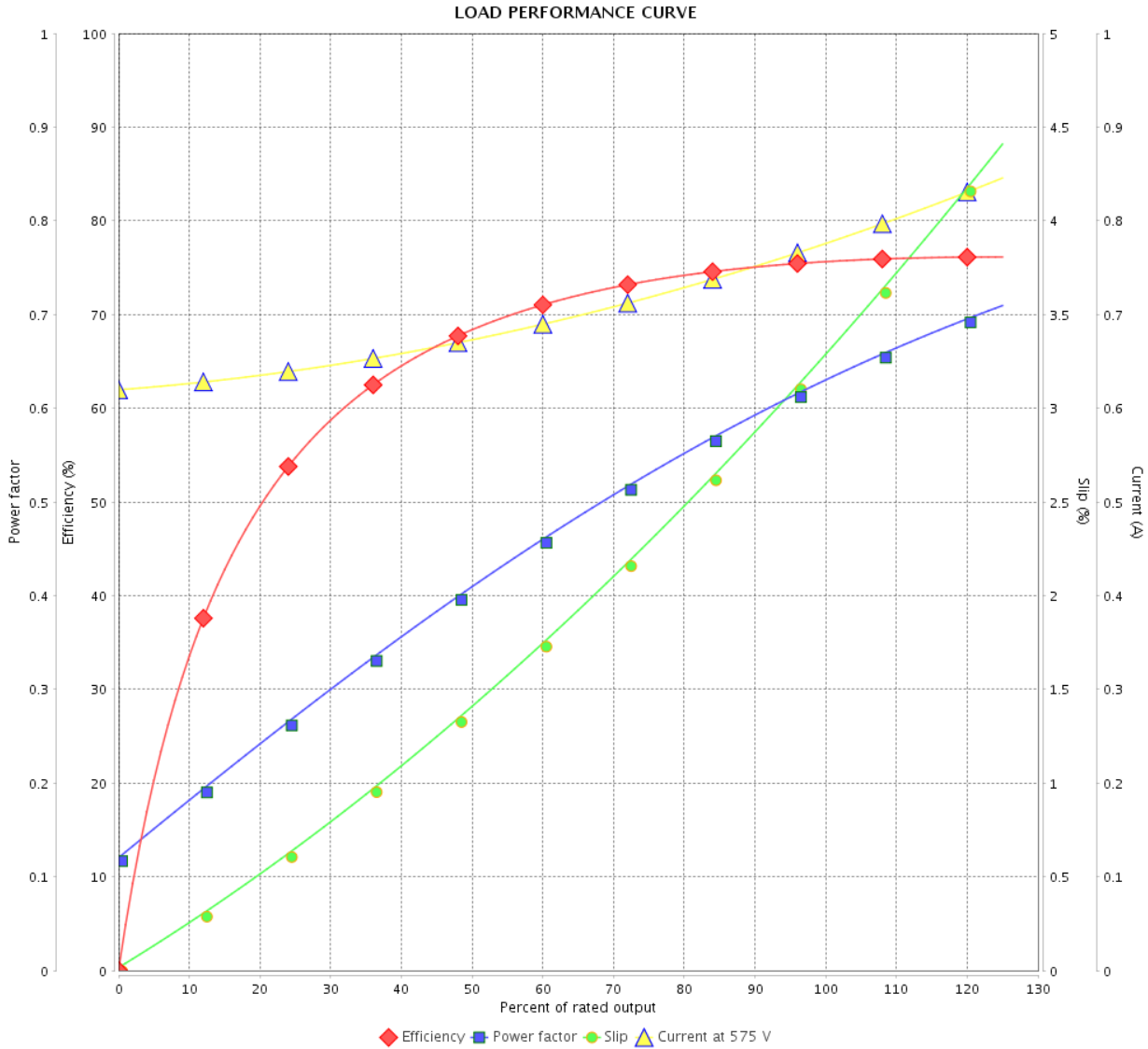
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 14724918



Performance : 575 V 60 Hz 6P

Rated current : 0.781 A
 LRC : 5.6
 Rated torque : 0.313 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 330 %
 Rated speed : 1160 rpm

Moment of inertia (J) : 0.0045 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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