

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Standard Efficiency Three-Phase	Product code : 13485330		
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 : 14.8 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0027 kgm ²		
Output [HP]		1		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.21		
L. R. Amperes [A]		8.70		
LRC [A]		7.2x(Code K)		
No load current [A]		0.568		
Rated speed [RPM]		3480		
Slip [%]		3.33		
Rated torque [kgfm]		0.209		
Locked rotor torque [%]		240		
Breakdown torque [%]		290		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		43s (cold) 24s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%			
	50%	66.0		
	75%	72.0		
	100%	74.0		
Power Factor	25%			
	50%	0.68		
	75%	0.79		
	100%	0.84		
Bearing type	: <u>Drive end</u> 6204 ZZ <u>Non drive end</u> 6202 ZZ	Foundation loads		
Sealing	: V'Ring V'Ring	Max. traction : 12 kgf		
Lubrication interval	: - -	Max. compression : 26 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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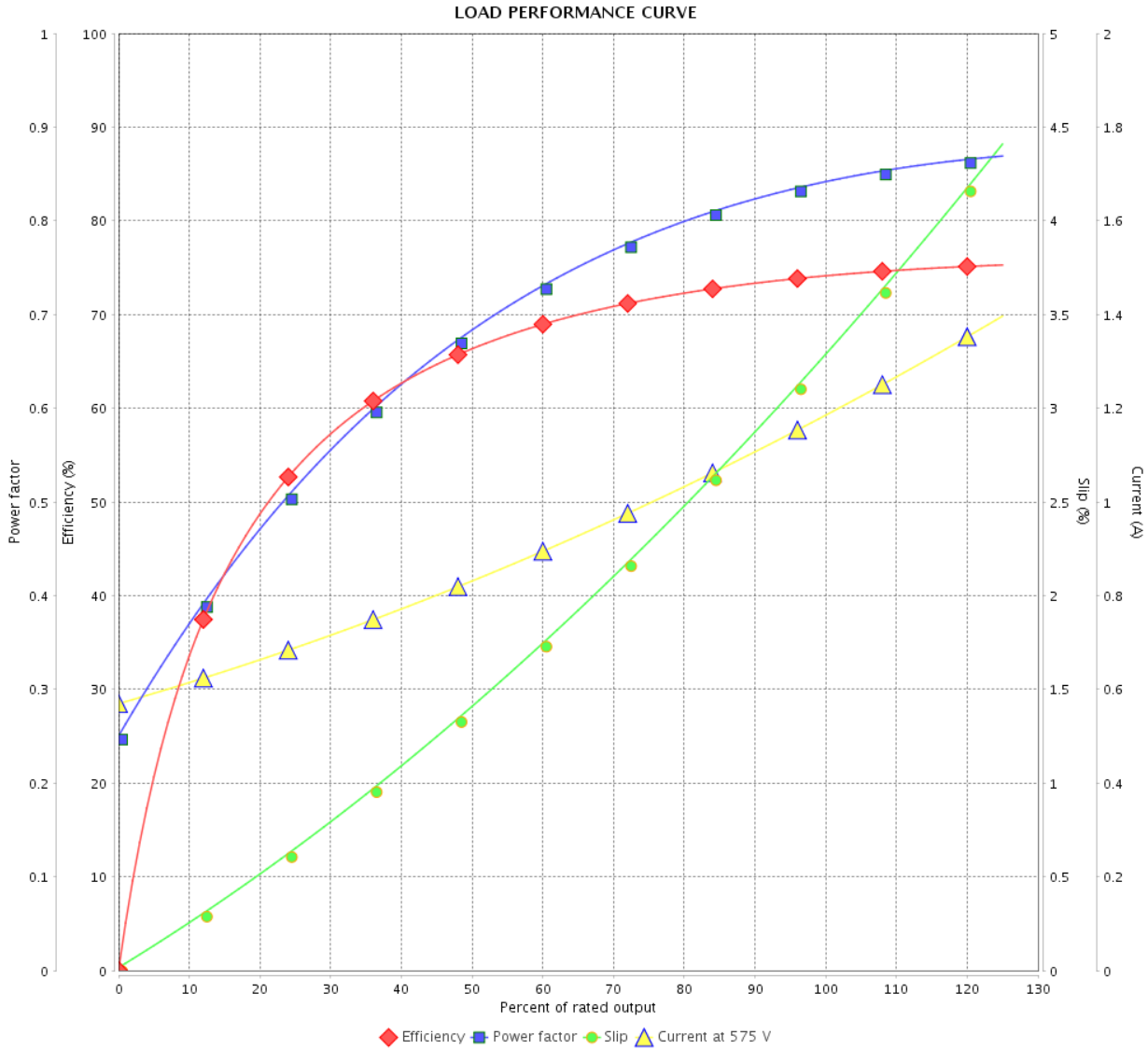
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13485330



Performance : 575 V 60 Hz 2P

Rated current : 1.21 A
 LRC : 7.2
 Rated torque : 0.209 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 290 %
 Rated speed : 3480 rpm

Moment of inertia (J) : 0.0027 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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