

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer	:			
Product line	: Premium Efficiency Three-Phase	Product code : 14328833		
Frame	: 56H	Cooling method : IC411 - TEFC		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup> : Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup> : 17.1 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0067 kgm <sup>2</sup>		
Design	: B			
Output [HP]		1		
Poles		6		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.26		
L. R. Amperes [A]		7.33		
LRC [A]		5.8x(Code J)		
No load current [A]		0.810		
Rated speed [RPM]		1145		
Slip [%]		4.58		
Rated torque [kgfm]		0.634		
Locked rotor torque [%]		229		
Breakdown torque [%]		280		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		55s (cold) 31s (hot)		
Noise level <sup>2</sup>		50.0 dB(A)		
Efficiency (%)	25%			
	50%	80.0		
	75%	82.5		
	100%	82.5		
Power Factor	25%			
	50%	0.50		
	75%	0.63		
	100%	0.72		
Bearing type	: Drive end : 6204 ZZ Non drive end : 6202 ZZ	Foundation loads		
Sealing	: V'Ring Without Bearing Seal	Max. traction : 48 kgf		
Lubrication interval	: - -	Max. compression : 65 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>		
Rev.	Changes Summary	Performed	Checked	Date
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# LOAD PERFORMANCE CURVE

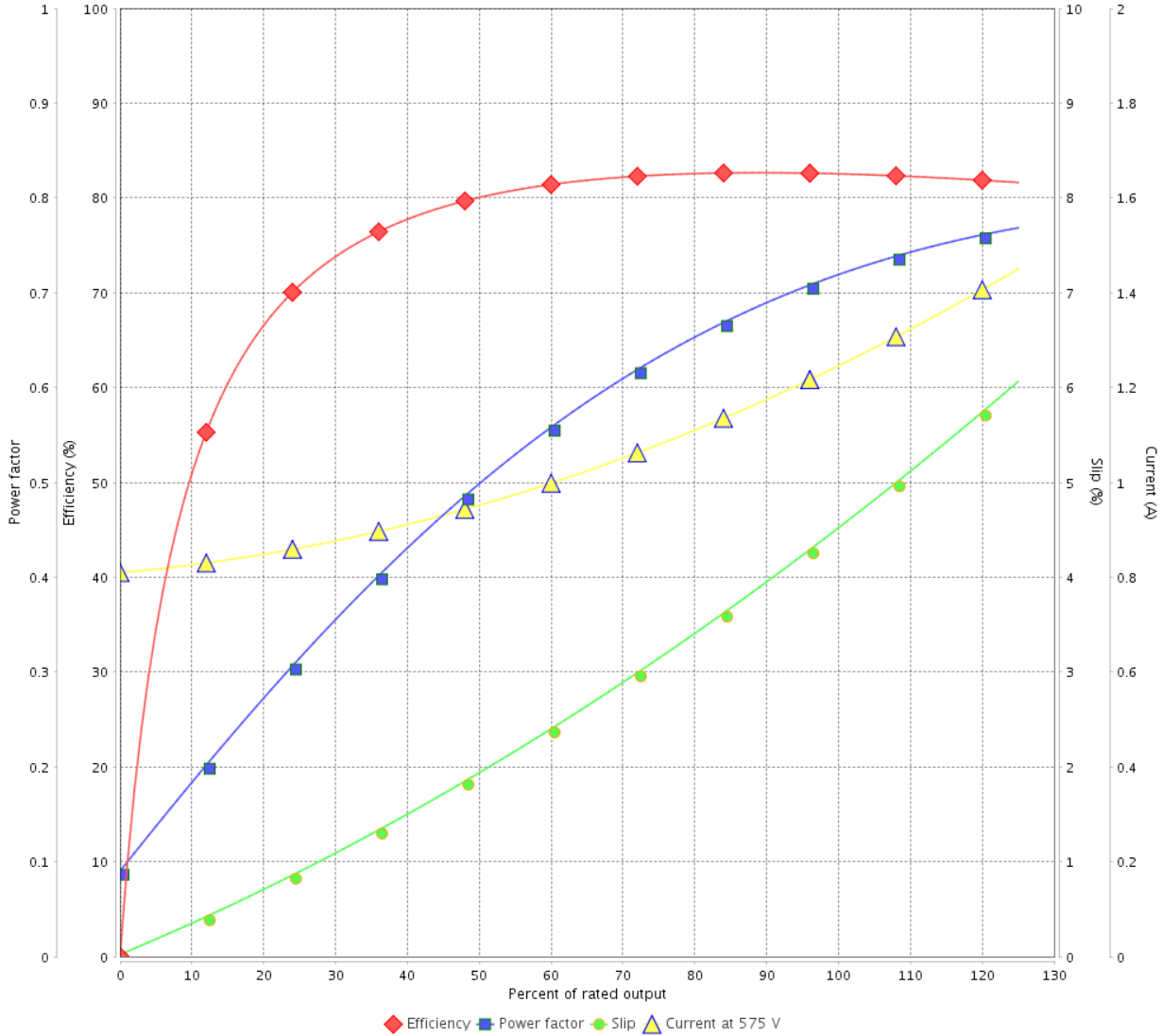
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 14328833

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 6P

Rated current	: 1.26 A	Moment of inertia (J)	: 0.0067 kgm <sup>2</sup>
LRC	: 5.8	Duty cycle	: Cont.(S1)
Rated torque	: 0.634 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 1145 rpm	Design	: B

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