

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: NEMA Premium Efficiency Three-Phase	Product code : 12682577	
Frame		: 143/5T	Cooling method : IC01 - ODP	
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> : 16.8 kg	
Design		: B	Moment of inertia (J) : 0.0049 kgm <sup>2</sup>	
Output [HP]		2		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.94		
L. R. Amperes [A]		17.2		
LRC [A]		8.9x(Code K)		
No load current [A]		0.734		
Rated speed [RPM]		3510		
Slip [%]		2.50		
Rated torque [kgfm]		0.414		
Locked rotor torque [%]		220		
Breakdown torque [%]		330		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		25s (cold) 14s (hot)		
Noise level <sup>2</sup>		62.0 dB(A)		
Efficiency (%)	25%	83.7		
	50%	84.0		
	75%	85.5		
	100%	85.5		
Power Factor	25%	0.49		
	50%	0.77		
	75%	0.86		
	100%	0.91		
Bearing type		: Drive end 6205 ZZ Non drive end 6203 ZZ	Foundation loads	
Sealing		: Without Without Bearing Seal Bearing Seal	Max. traction : 30 kgf	
Lubrication interval		: - -	Max. compression : 47 kgf	
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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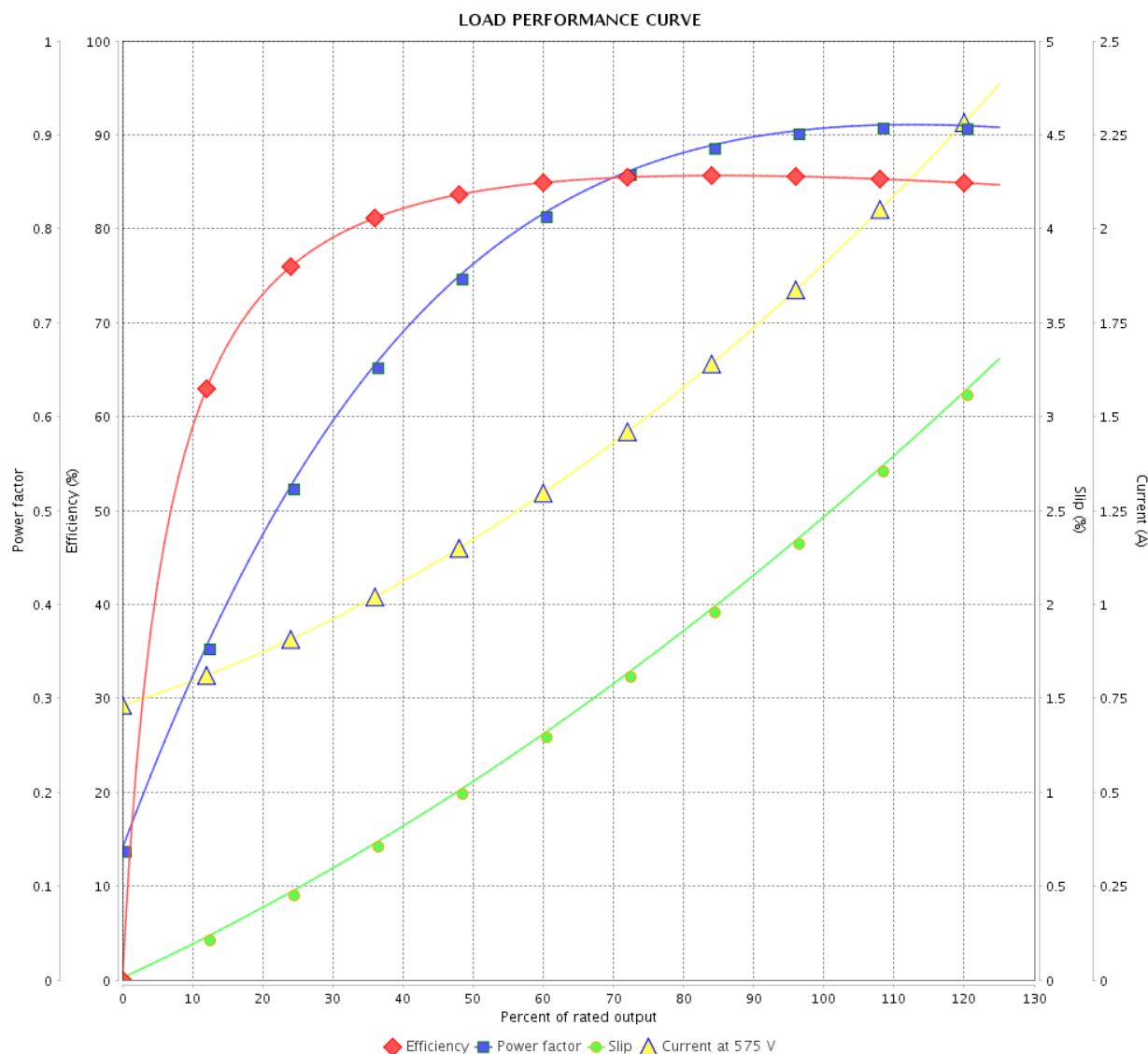
# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase      Product code : 12682577



Performance : 575 V 60 Hz 2P

Rated current	: 1.94 A	Moment of inertia (J)	: 0.0049 kgm <sup>2</sup>
LRC	: 8.9	Duty cycle	: Cont.(S1)
Rated torque	: 0.414 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 3510 rpm	Design	: B

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