

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: NEMA Premium Efficiency Three-Phase	Product code : 12674768		
Frame	: 213/5TC	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> : 59.5 kg		
Design	: B	Moment of inertia (J) : 0.0546 kgm <sup>2</sup>		
Output [HP]		10		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		9.92		
L. R. Amperes [A]		69.4		
LRC [A]		7.0x(Code H)		
No load current [A]		4.79		
Rated speed [RPM]		1770		
Slip [%]		1.67		
Rated torque [kgfm]		4.10		
Locked rotor torque [%]		250		
Breakdown torque [%]		350		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		25s (cold) 14s (hot)		
Noise level <sup>2</sup>		59.0 dB(A)		
Efficiency (%)	25%	89.4		
	50%	90.2		
	75%	91.0		
	100%	91.7		
Power Factor	25%	0.38		
	50%	0.64		
	75%	0.77		
	100%	0.83		
Bearing type	: <u>Drive end</u> 6208 ZZ <u>Non drive end</u> 6206 ZZ	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction : 236 kgf Max. compression : 295 kgf		
Lubrication interval	: - -			
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.                  (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.</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

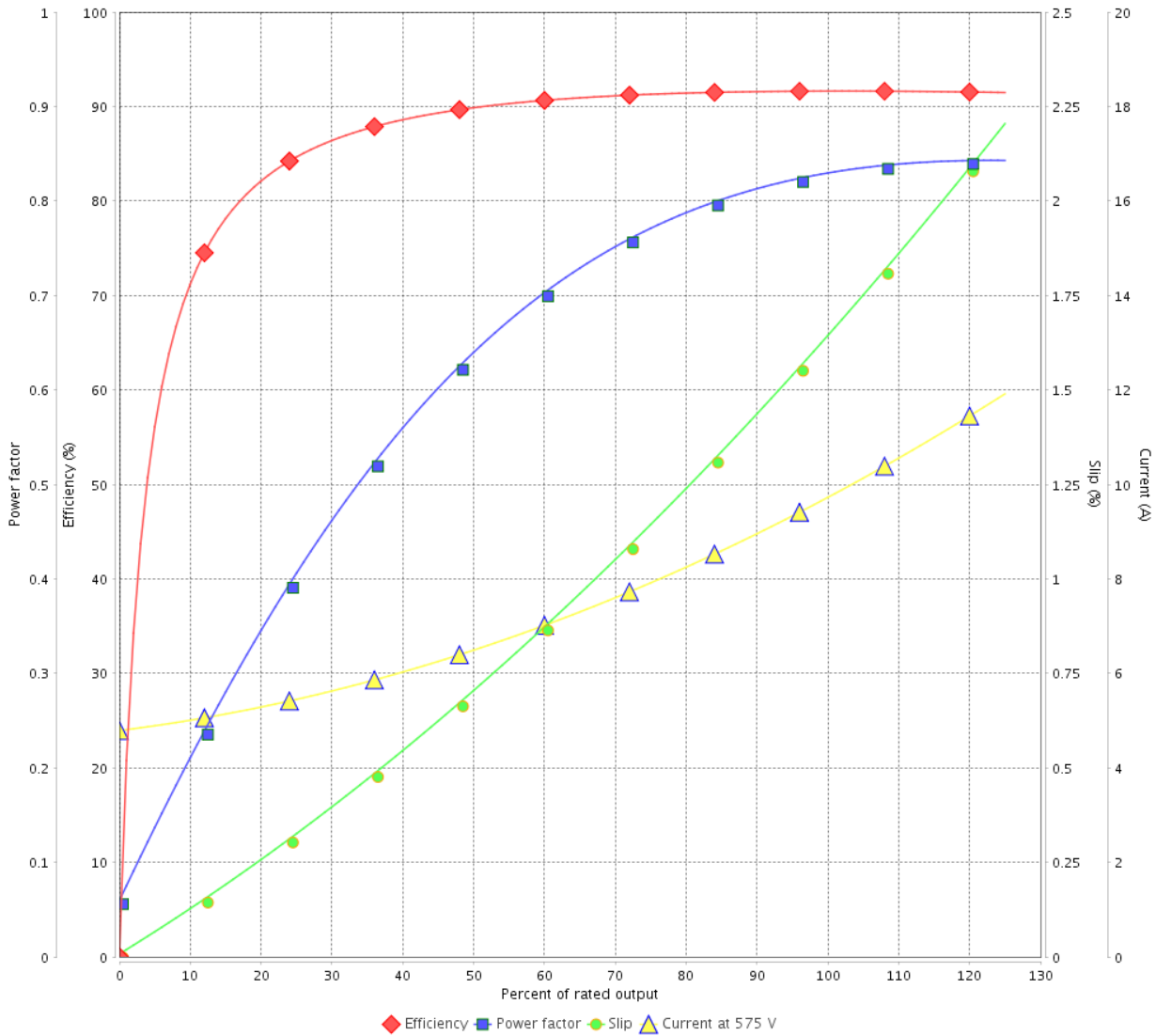
Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : NEMA Premium Efficiency Three-Phase      Product code : 12674768

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current	: 9.92 A	Moment of inertia (J)	: 0.0546 kgm <sup>2</sup>
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 4.10 kgfm	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 350 %	Temperature rise	: 80 K
Rated speed	: 1770 rpm	Design	: B

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