

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: NEMA Premium Efficiency Three-Phase	Product code : 12727233		
Frame	: 254/6T	Cooling method : IC01 - ODP		
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 : 85.4 kg		
Design	: B	Moment of inertia (J) : 0.0767 kgm ²		
Output [HP]		15		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		14.9		
L. R. Amperes [A]		100		
LRC [A]		6.7x(Code H)		
No load current [A]		7.60		
Rated speed [RPM]		1775		
Slip [%]		1.39		
Rated torque [kgfm]		6.13		
Locked rotor torque [%]		240		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		30s (cold) 17s (hot)		
Noise level ²		64.0 dB(A)		
Efficiency (%)	25%	91.0		
	50%	91.7		
	75%	92.4		
	100%	93.0		
Power Factor	25%	0.36		
	50%	0.62		
	75%	0.73		
	100%	0.80		
Bearing type	: <u>Drive end</u> 6309 Z C3 <u>Non drive end</u> 6208 Z C3	Foundation loads		
Sealing	: Without Without	Max. traction : 247 kgf		
	: Bearing Seal Bearing Seal	Max. compression : 332 kgf		
Lubrication interval	: 20000 h 20000 h			
Lubricant amount	: 13 g 8 g			
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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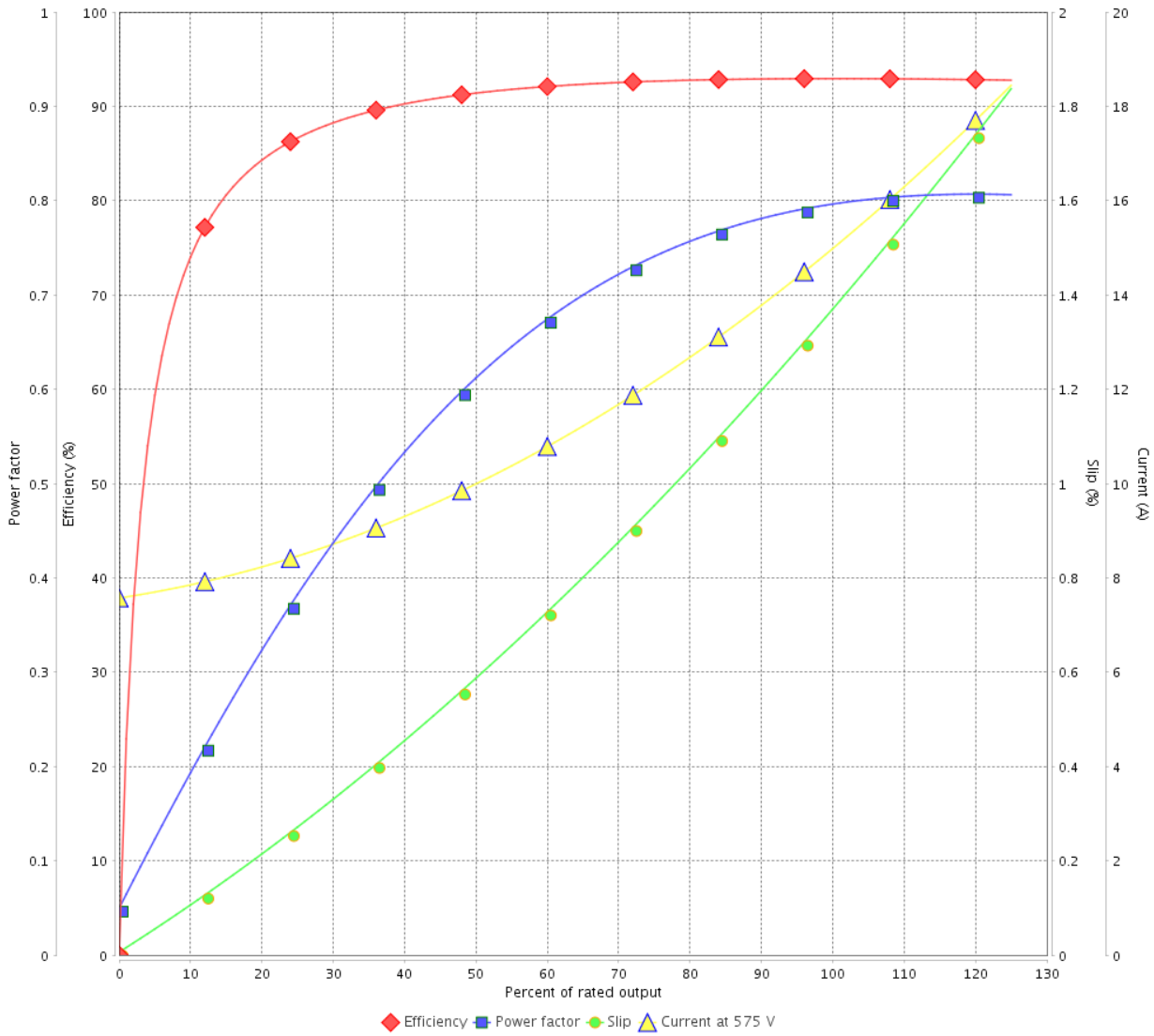
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12727233

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current	: 14.9 A	Moment of inertia (J)	: 0.0767 kgm ²
LRC	: 6.7	Duty cycle	: Cont.(S1)
Rated torque	: 6.13 kgfm	Insulation class	: F
Locked rotor torque	: 240 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1775 rpm	Design	: B

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