

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: NEMA Premium Efficiency Three-Phase	Product code : 13942723		
Frame	: 143/5TC	Cooling method : IC01 - ODP		
Insulation class	: F	Mounting : W-6		
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 : 18.8 kg		
Design	: B	Moment of inertia (J) : 0.0060 kgm ²		
Output [HP]		1.5		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.66		
L. R. Amperes [A]		14.4		
LRC [A]		8.7x(Code L)		
No load current [A]		0.958		
Rated speed [RPM]		1760		
Slip [%]		2.22		
Rated torque [kgfm]		0.619		
Locked rotor torque [%]		280		
Breakdown torque [%]		330		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		27s (cold) 15s (hot)		
Noise level ²		52.0 dB(A)		
Efficiency (%)	25%			
	50%	84.0		
	75%	86.5		
	100%	86.5		
Power Factor	25%			
	50%	0.56		
	75%	0.69		
	100%	0.77		
Bearing type	: <u>Drive end</u> 6205 ZZ <u>Non drive end</u> 6203 ZZ	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction : 49 kgf Max. compression : 67 kgf		
Lubrication interval	: - -			
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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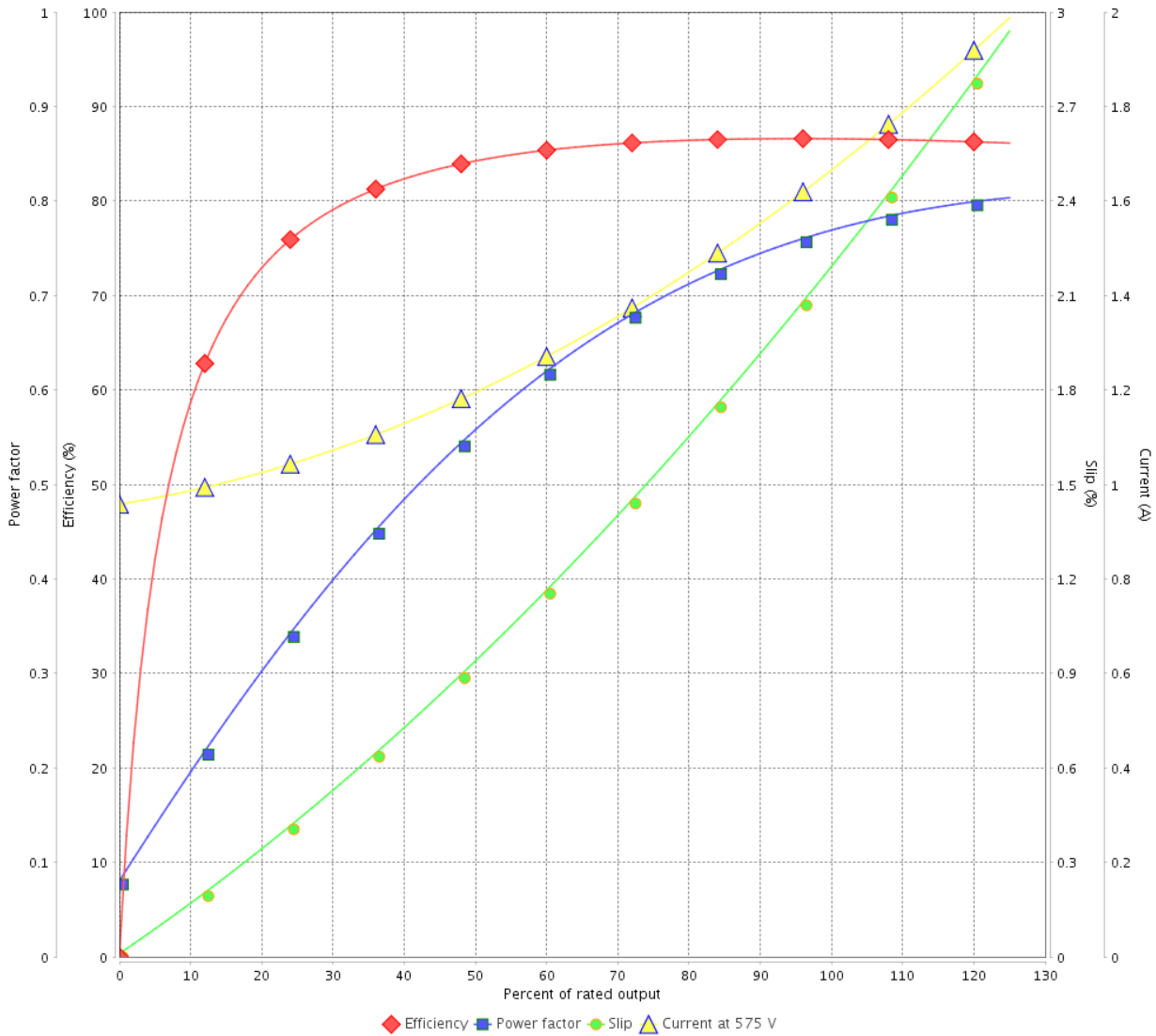
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Customer : _____

Product line : NEMA Premium Efficiency Three-Phase Product code : 13942723

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current	: 1.66 A	Moment of inertia (J)	: 0.0060 kgm ²
LRC	: 8.7	Duty cycle	: Cont.(S1)
Rated torque	: 0.619 kgfm	Insulation class	: F
Locked rotor torque	: 280 %	Service factor	: 1.15
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 1760 rpm	Design	: B

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