

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: NEMA Premium Efficiency Three-Phase		Product code : 12682585
Frame : 143/5T Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : B		Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 18.4 kg Moment of inertia (J) : 0.0054 kgm ²		
Output [HP]		2		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		1.98		
L. R. Amperes [A]		19.6		
LRC [A]		9.9x(Code L)		
No load current [A]		0.850		
Rated speed [RPM]		3520		
Slip [%]		2.22		
Rated torque [kgfm]		0.412		
Locked rotor torque [%]		250		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		23s (cold) 13s (hot)		
Noise level ²		68.0 dB(A)		
Efficiency (%)	25%	82.1		
	50%	82.5		
	75%	85.5		
	100%	85.5		
Power Factor	25%	0.45		
	50%	0.73		
	75%	0.83		
	100%	0.89		
Bearing type : <u>Drive end</u> 6205 ZZ <u>Non drive end</u> 6203 ZZ Sealing : V'Ring Without Bearing Seal Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 26 kgf Max. compression : 44 kgf		
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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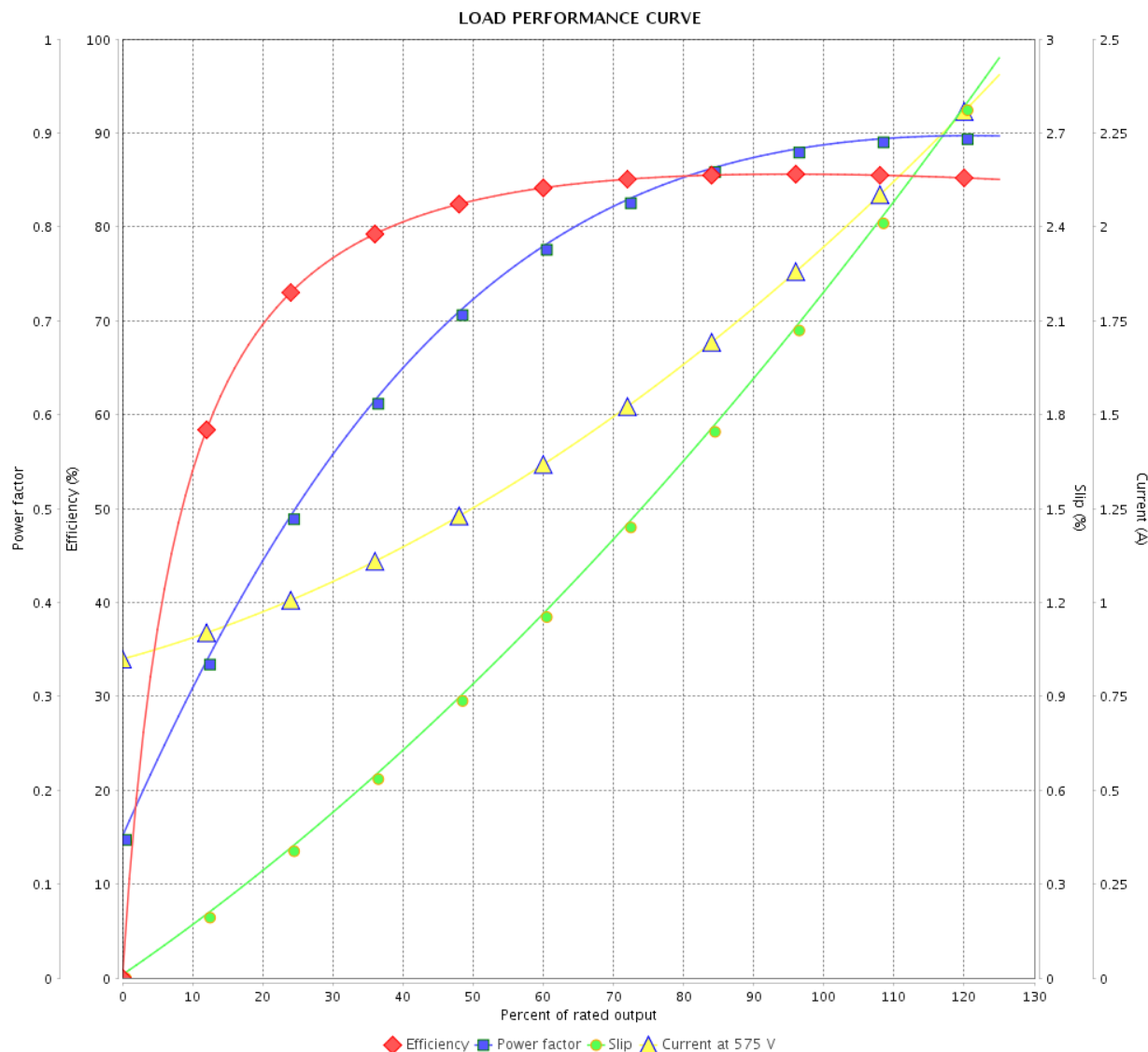
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12682585



Performance : 575 V 60 Hz 2P

Rated current	: 1.98 A	Moment of inertia (J)	: 0.0054 kgm ²
LRC	: 9.9	Duty cycle	: Cont.(S1)
Rated torque	: 0.412 kgfm	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3520 rpm	Design	: B

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