

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Explosion Proof Standard Efficiency Three-Phase Product code : 10627444

Frame	: A56CEX	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 0.33 HP (0.25 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 0.520 A	Protection degree	: IP44
L. R. Amperes	: 2.70 A	Cooling method	: IC411 - TEFC
LRC	: 5.2x(Code K)	Mounting	: F-1
No load current	: 0.400 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1750 rpm	Noise level ²	: 50.0 dB(A)
Slip	: 2.78 %	Starting method	: Direct On Line
Rated torque	: 0.137 kgfm	Approx. weight ³	: 14.2 kg
Locked rotor torque	: 240 %		
Breakdown torque	: 300 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0026 kgm ²		

Output	50%	75%	100%	Foundation loads
Efficiency (%)	66.0	72.0	74.0	Max. traction : 6 kgf
Power Factor	0.43	0.50	0.65	Max. compression : 20 kgf

	Drive end	Non drive end
Bearing type	: 6203 ZZ	: 6203 ZZ
Sealing	: Without Bearing Seal	: Without Bearing Seal
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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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	130 °C

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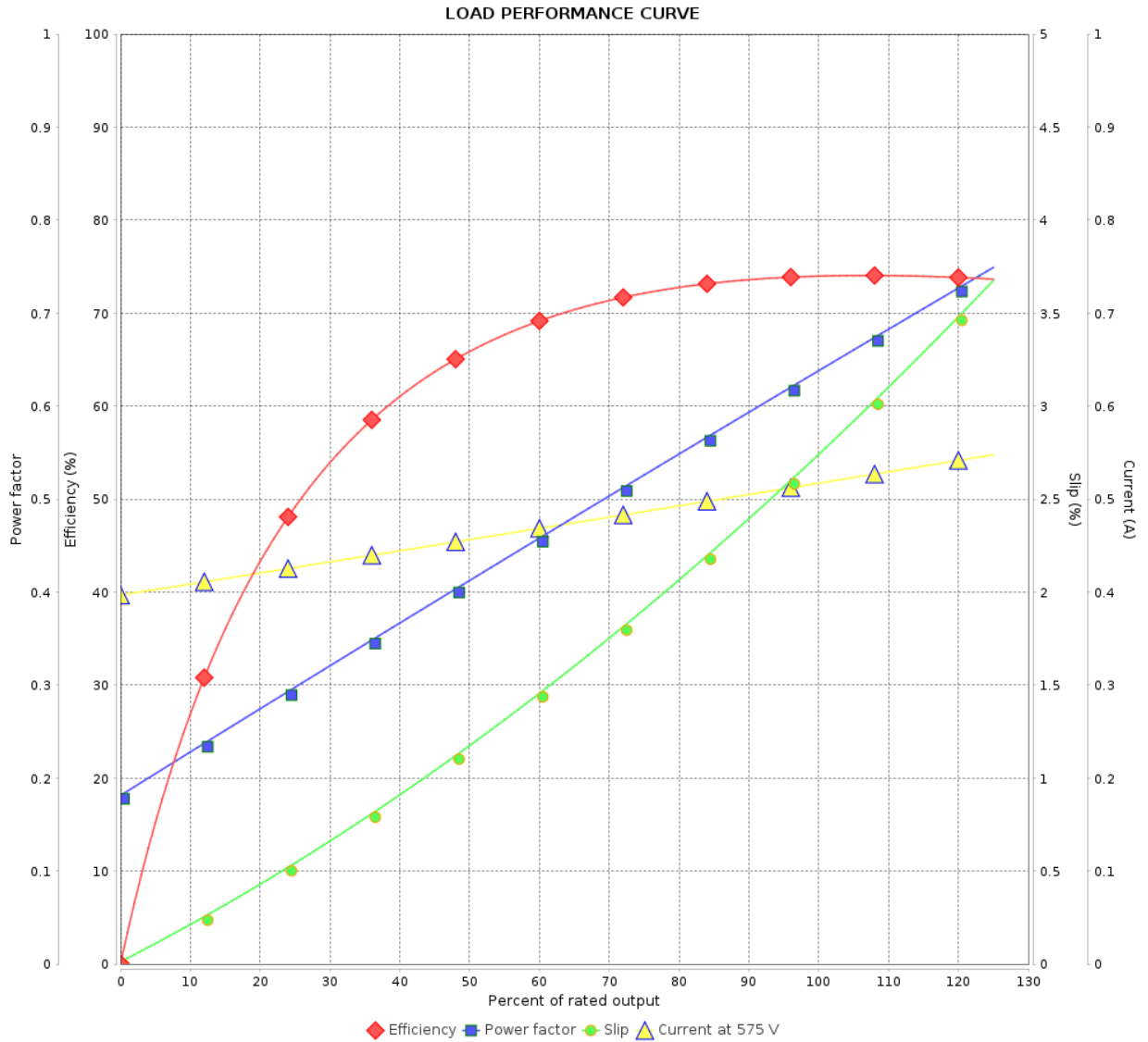
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Explosion Proof Standard Efficiency Three-Phase Product code : 10627444



Performance : 575 V 60 Hz 4P

Rated current : 0.520 A
 LRC : 5.2
 Rated torque : 0.137 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 300 %
 Rated speed : 1750 rpm

Moment of inertia (J) : 0.0026 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor : 1.15
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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