

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
Bearing type	:	<u>Drive end</u> 6203 ZZ	<u>Non drive end</u> 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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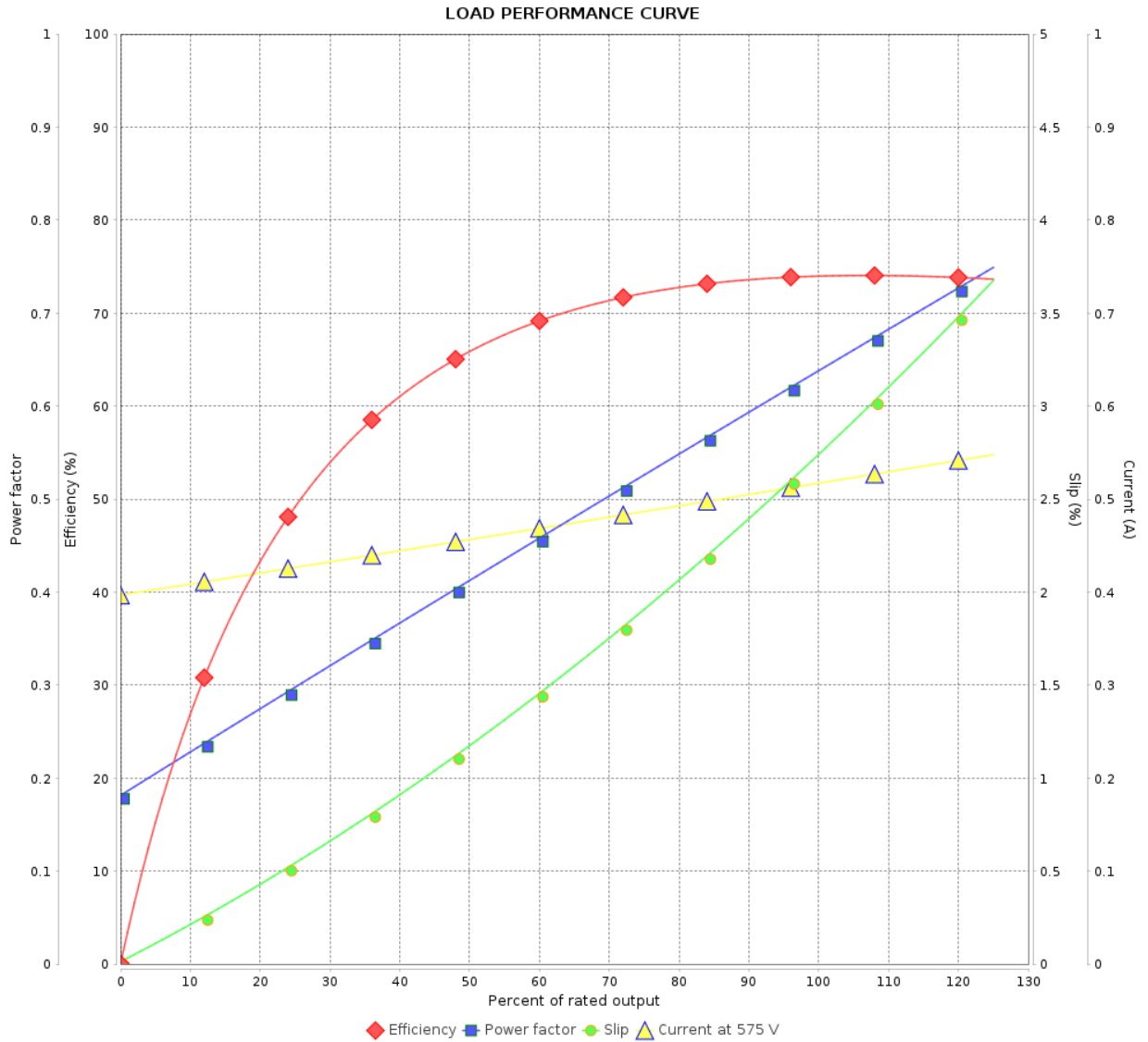
LOAD PERFORMANCE CURVE

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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