

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Explosion Proof Standard Efficiency Three-Phase		Product code : 10333032		
Frame	: B56CEX		Locked rotor time	: 27s (cold) 15s (hot)		
Output	: 0.5 HP (0.37 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	: 0.650 A		Protection degree	: IP44		
L. R. Amperes	: 4.42 A		Cooling method	: IC411 - TEFC		
LRC	: 6.8x(Code K)		Mounting	: F-1		
No load current	: 0.500 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1755 rpm		Noise level ²	: 50.0 dB(A)		
Slip	: 2.50 %		Starting method	: Direct On Line		
Rated torque	: 0.207 kgfm		Approx. weight ³	: 15.6 kg		
Locked rotor torque	: 220 %					
Breakdown torque	: 330 %					
Insulation class	: B					
Service factor	: 1.15					
Moment of inertia (J)	: 0.0034 kgm ²					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	70.0	75.5	77.5	Max. traction : 14 kgf		
Power Factor	0.52	0.64	0.73	Max. compression : 29 kgf		
		<u>Drive end</u>		<u>Non drive end</u>		
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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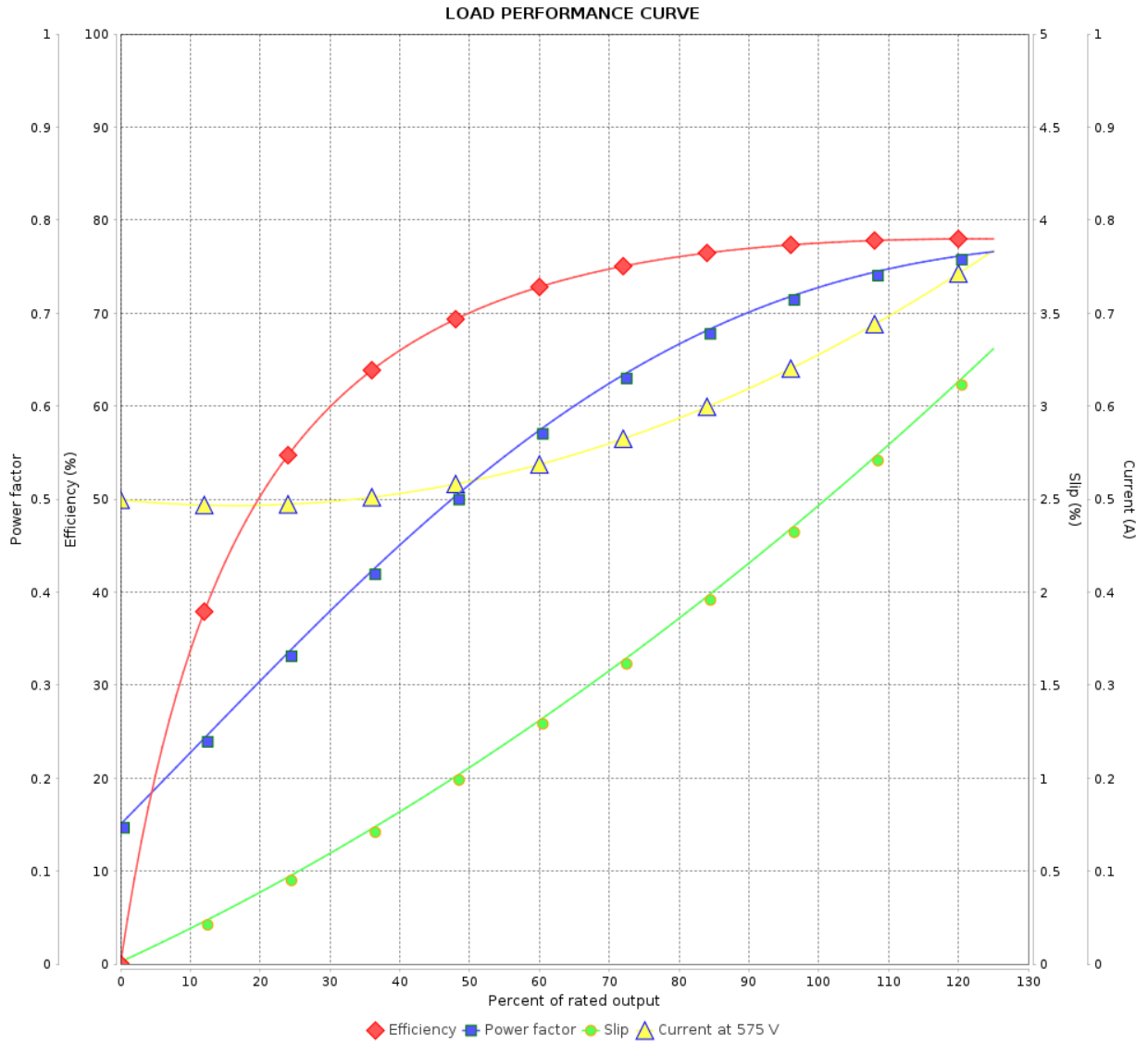
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Explosion Proof Standard Efficiency Three-Phase Product code : 10333032



Performance : 575 V 60 Hz 4P

Rated current : 0.650 A
 LRC : 6.8
 Rated torque : 0.207 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 330 %
 Rated speed : 1755 rpm

Moment of inertia (J) : 0.0034 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor : 1.15
 Temperature rise : 80 K

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