DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Explosion Proof Standard Efficiency Three-Phase

Product code : 10668199

Frame	: B56EX
Output	: 0.5 HP (0.37 kW)
Poles	: 4
Frequency	: 60 Hz
Rated voltage	: 575 V
Rated current	: 0.650 A
L. R. Amperes	: 4.42 A
LRC	: 6.8x(Code K)
No load current	: 0.500 A
Rated speed	: 1755 rpm
Slip	: 2.50 %
Rated torque	: 0.207 kgfm
Locked rotor torque	: 220 %
Breakdown torque	: 330 %
Insulation class	: B
Service factor	: 1.15
Moment of inertia (J)	: 0.0034 kgm²

Locked rotor time	: 27s (cold) 15s (hot)
Temperature rise	: 80 K
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Protection degree	: IP44
Cooling method	: IC411 - TEFC
Mounting	: F-1
Rotation[1]	: Both (CW and CCW)
Noise level[2]	: 50.0 dB(A)
Starting method	: Direct On Line
Approx. weight[3]	: 14.9 kg

Output	50%	75%	100%
Efficiency (%)	70.0	75.5	77.5
Power Factor	0.52	0.64	0.73

Foundation loads

Max. traction	: 14 kgf
Max. compression	: 29 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.

Rev.	Changes Summary	Performed	Checked	Date

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Customer :

Thermal protection

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

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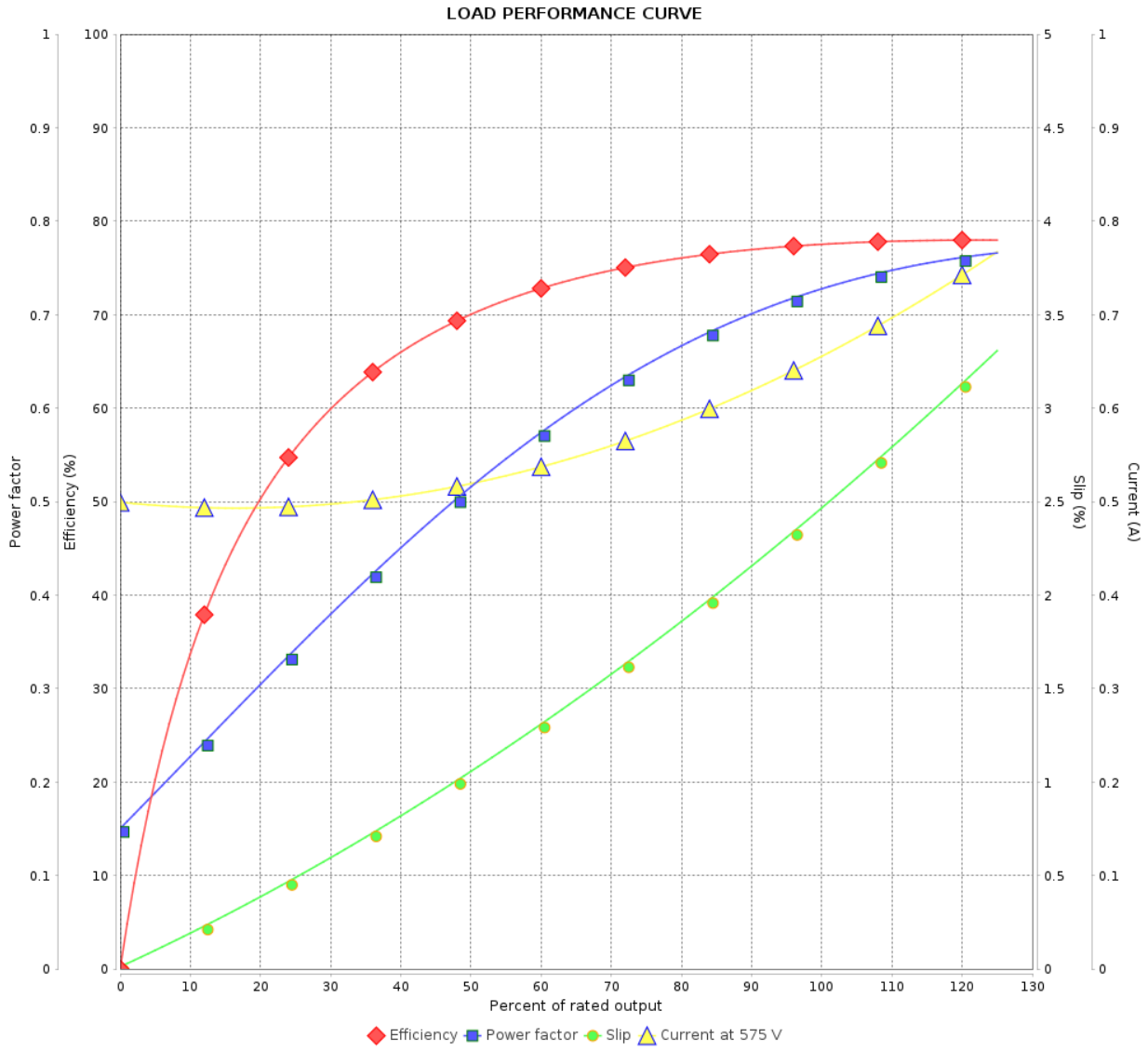
LOAD PERFORMANCE CURVE

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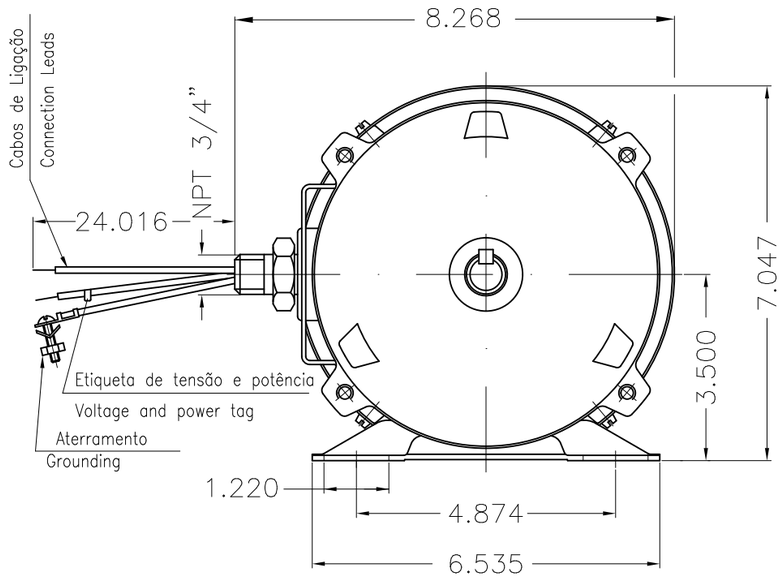
Performance	: 575 V 60 Hz 4P

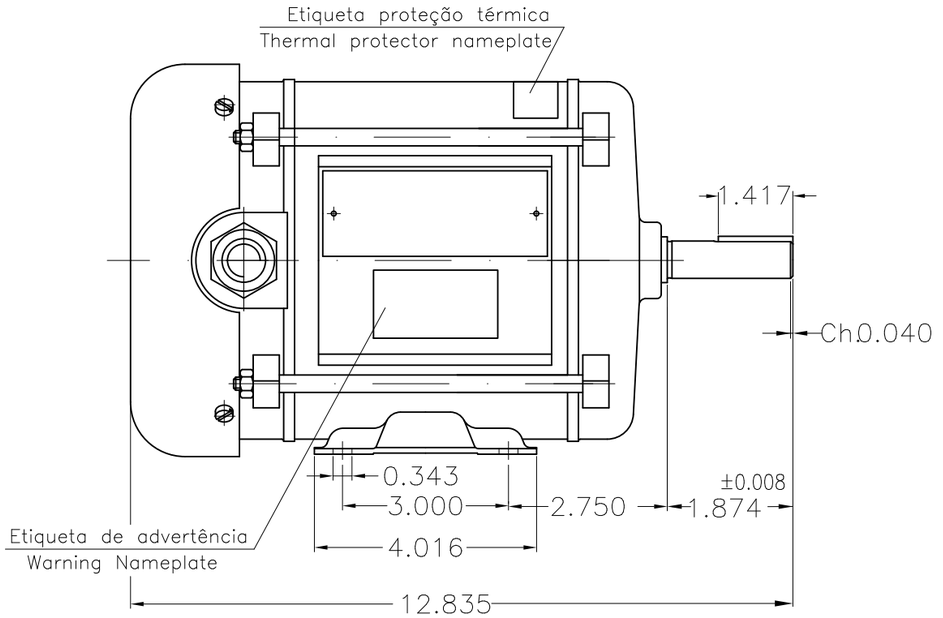
Rated current	: 0.650 A	Moment of inertia (J)	: 0.0034 kgm²
LRC	: 6.8	Duty cycle	: Cont.(S1)
Rated torque	: 0.207 kgfm	Insulation class	: B
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 1755 rpm		

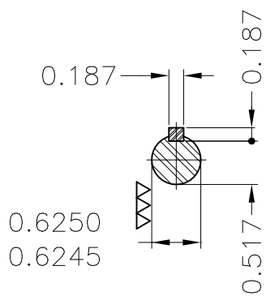
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ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
			HYBRISUSER				00

Mounting B3R(D)

EXECUTED	HYBRISUSER	THREE PH. MOTOR EXPLOSION PROOF	PREVIEW	
CHECKED		FRAME B56EX IP44 TEFC	WDD 00	
RELEASED				
REL. DATE		WMO Jaragua do Sul Product Engineering	SHEET 1 / 1	

0.5 HP 04 Poles 60 Hz

A

Dimensions in inches

XME A3

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