DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Centrifugal Pump Single-Phase Start Capacitor

Product code : 10678036

Frame	: E56C	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 15.0 A	Protection degree	: IP21
L. R. Amperes	: 105 A	Cooling method	: IC01 - ODP
LRC	: 7.0x(Code K)	Mounting	: F-1
No load current	: 8.40 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 3475 rpm	Noise level[2]	: 55.0 dB(A)
Slip	: 3.47 %	Starting method	: Direct On Line
Rated torque	: 0.627 kgfm	Approx. weight[3]	: 20.0 kg
Locked rotor torque	: 220 %		
Breakdown torque	: 229 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0028 kgm²		

Output	50%	75%	100%
Efficiency (%)	76.7	78.7	77.1
Power Factor	0.63	0.76	0.83

Foundation loads

Max. traction

Max. compression

		Drive end	Non drive end
Bearing type	:	6203 2RS	6203 2RS
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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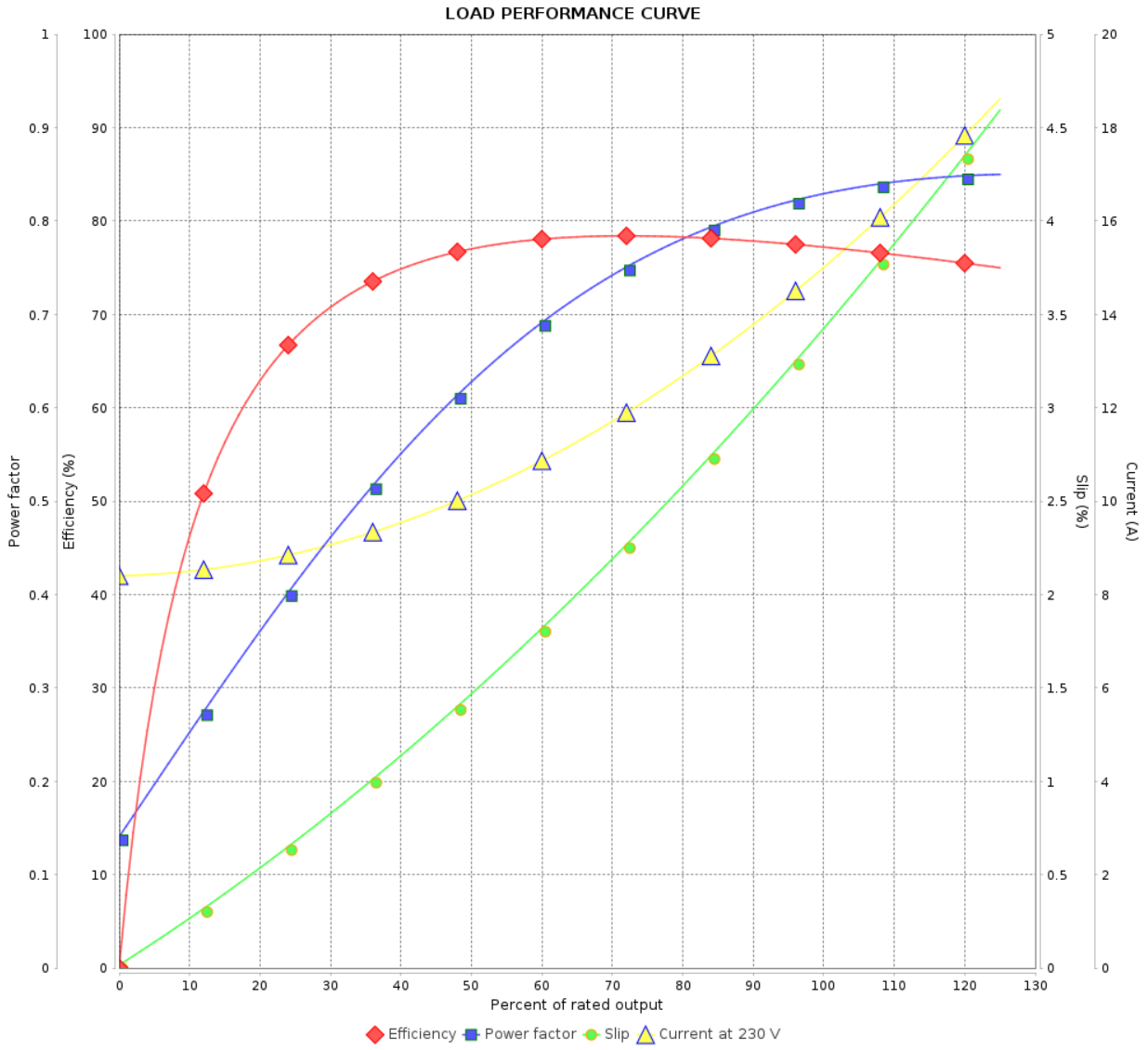
LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

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Product code : 10678036

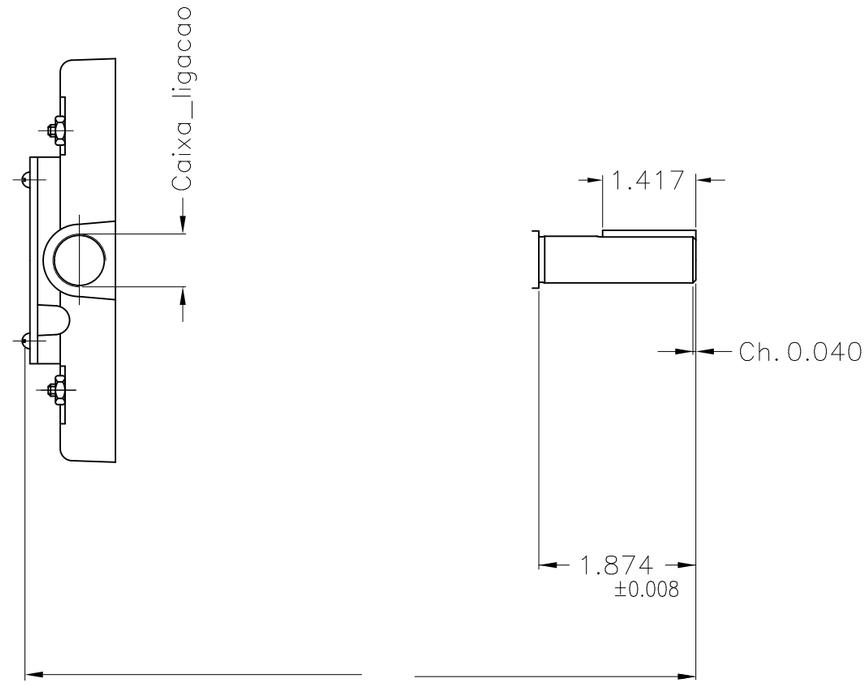


Performance	: 230 V 60 Hz 2P		
Rated current	: 15.0 A	Moment of inertia (J)	: 0.0028 kgm²
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 0.627 kgfm	Insulation class	: B
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 3475 rpm		

Rev.	Changes Summary	Performed	Checked	Date

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Rotation CW and CCW

Mounting B14R(D)

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER

EXECUTED	DATAVIEWERUSER	SINGLE PH. MOTOR CENTRIFUGAL PUMP	PREVIEW	
CHECKED		FRAME E56C IP21 ODP	WDD	
RELEASED				
REL DT.		WMO Jaragua do Sul Product Engineering	SHEET 1 / 1	

3 HP 02 Poles 60 Hz

A

Dimensions in inches

XME A3

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