

PROJECT: _____	UNIT TAG: _____	QUANTITY: _____
REPRESENTATIVE: _____	TYPE OF SERVICE: _____	DATE: _____
ENGINEER: _____	SUBMITTED BY: _____	DATE: _____
CONTRACTOR: _____	APPROVED BY: _____	DATE: _____
	ORDER NO.: _____	DATE: _____

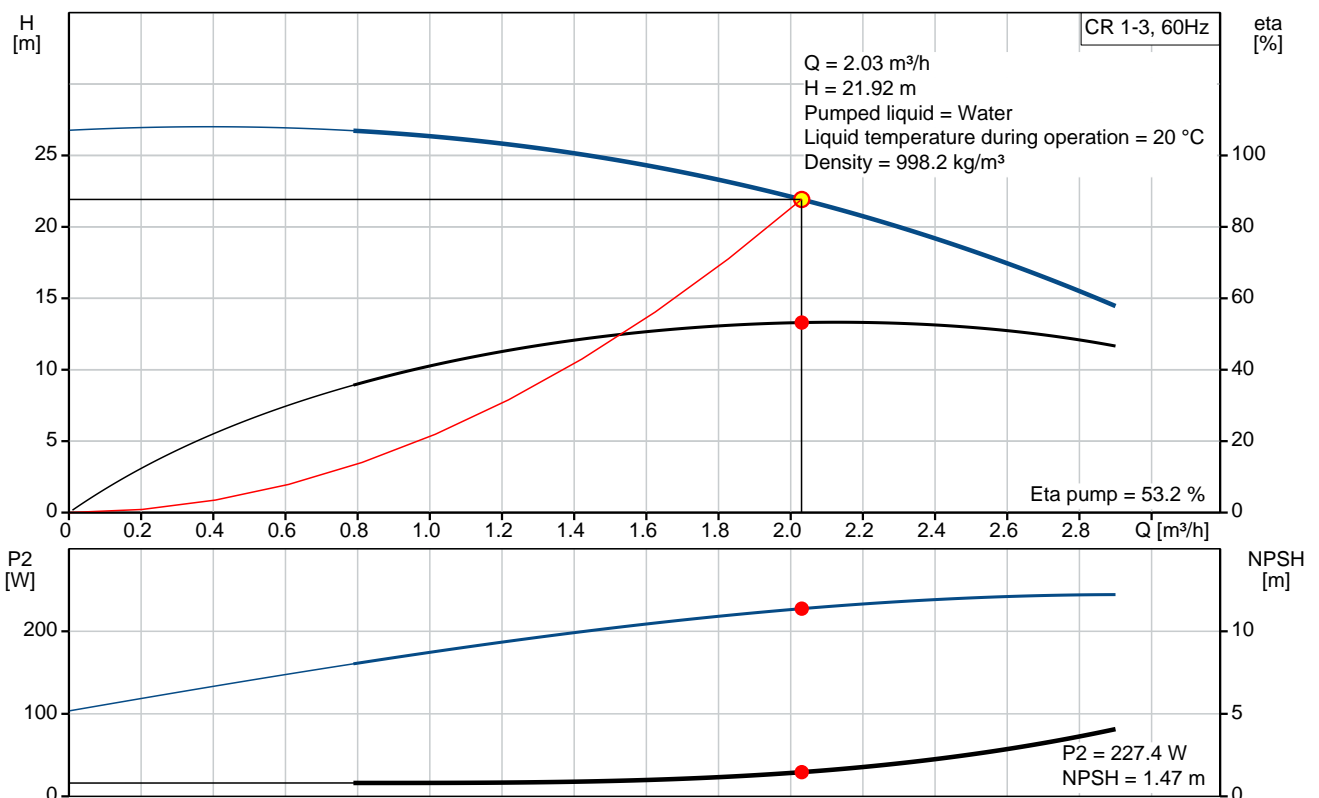
CR 1-3

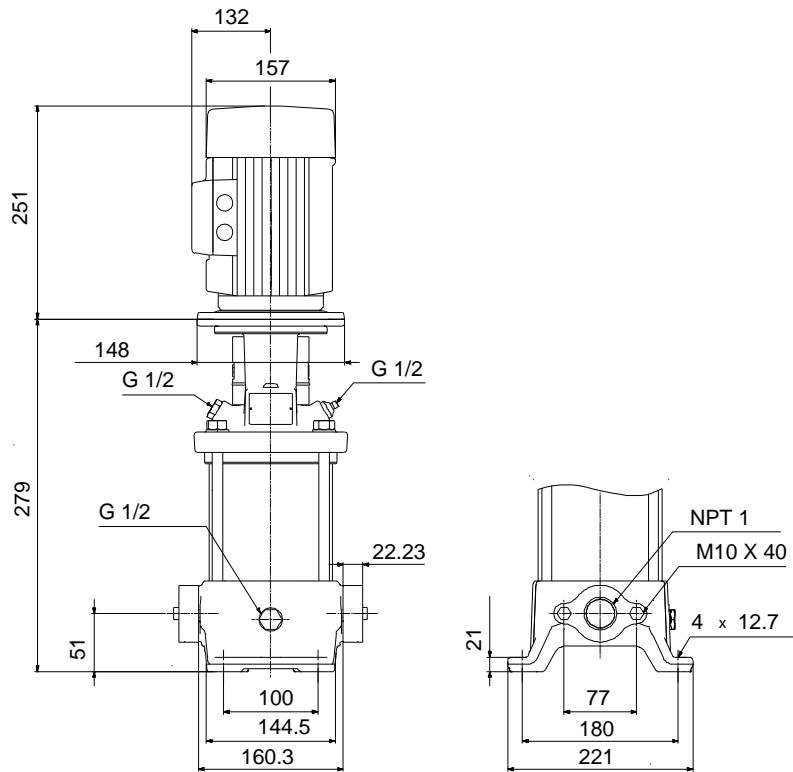
Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron. All other wetted parts are in stainless steel (EN 1.4301)



Note! Product picture may differ from actual product

Conditions of Service		Pump Data		Motor Data	
Flow:	2.03 m ³ /h	Max pressure at stated temp:	16 bar / 120 °C	Rated power - P2:	0.25 kW
Head:	21.92 m	Maximum ambient temperature:	40 °C	Rated voltage:	115/230 V
Efficiency:	_____	Approvals:	CURUS, NSF61	Mains frequency:	60 Hz
Liquid:	Water	Shaft seal:	HQQE	Insulation class:	B
Temperature:	20 °C	Product number:	96081967	Motor type:	BALDOR
NPSH required:	1.47 m				
Viscosity:	_____				
Specific Gravity:	1.000				





Materials:

Base:	Cast iron EN 1561 EN-GJL-200 ASTM A48-25B
Impeller:	Stainless steel AISI 304 EN 1.4301
Material code:	A
Code for rubber:	E

Tender Text

Product No.: [96081967](#)**CR 1-3 A-B-A-E-HQQE**

Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.

The pump has the following characteristics:

- Impellers and intermediate chambers are made of
- The shaft seal has assembly length

according to EN 12756.

- Power transmission is via cast iron split coupling.

The motor is a 1-phase AC motor.

Controls:

Frequency converter: NONE

Liquid:

Pumped liquid: Water

Liquid temperature during operation: 20 °C

Density: 998.2 kg/m³

Technical:

Speed for pump data: 3436 rpm

Actual calculated flow: 2.03 m³/h

Resulting head of the pump: 21.92 m

Pump orientation: Vertical

Shaft seal arrangement: Single

Code for shaft seal: HQQE

Approvals on nameplate: CURUS, NSF61

Curve tolerance: ISO9906:2012 3B

Materials:

Base: Cast iron
EN 1561 EN-GJL-200
ASTM A48-25B

Impeller: Stainless steel
EN 1.4301

Bearing material: AISI 304
SIC

Installation:

Maximum ambient temperature: 40 °C

Max pressure at stated temp: 16 bar / 120 °C
16 bar / -20 °C

Type of connection: Oval / NPT(F)

Size of inlet connection: 1 inch



Company name:

Created by:

Phone:

Date:

21/02/2018


Size of outlet connection: 1 inch
Pressure rating: PN 16
Flange size for motor: 56C

Electrical data:

Motor standard: NEMA
Motor type: BALDOR
IE Efficiency class: NA
Rated power - P2: 0.25 kW
Power (P2) required by pump: 0.25 kW
Mains frequency: 60 Hz
Rated voltage: 1 x 115/230 V
Service factor: 1,35
Rated current: 6,00/3,00 A
Rated speed: 3450 rpm
Number of poles: 2
Insulation class (IEC 85): B

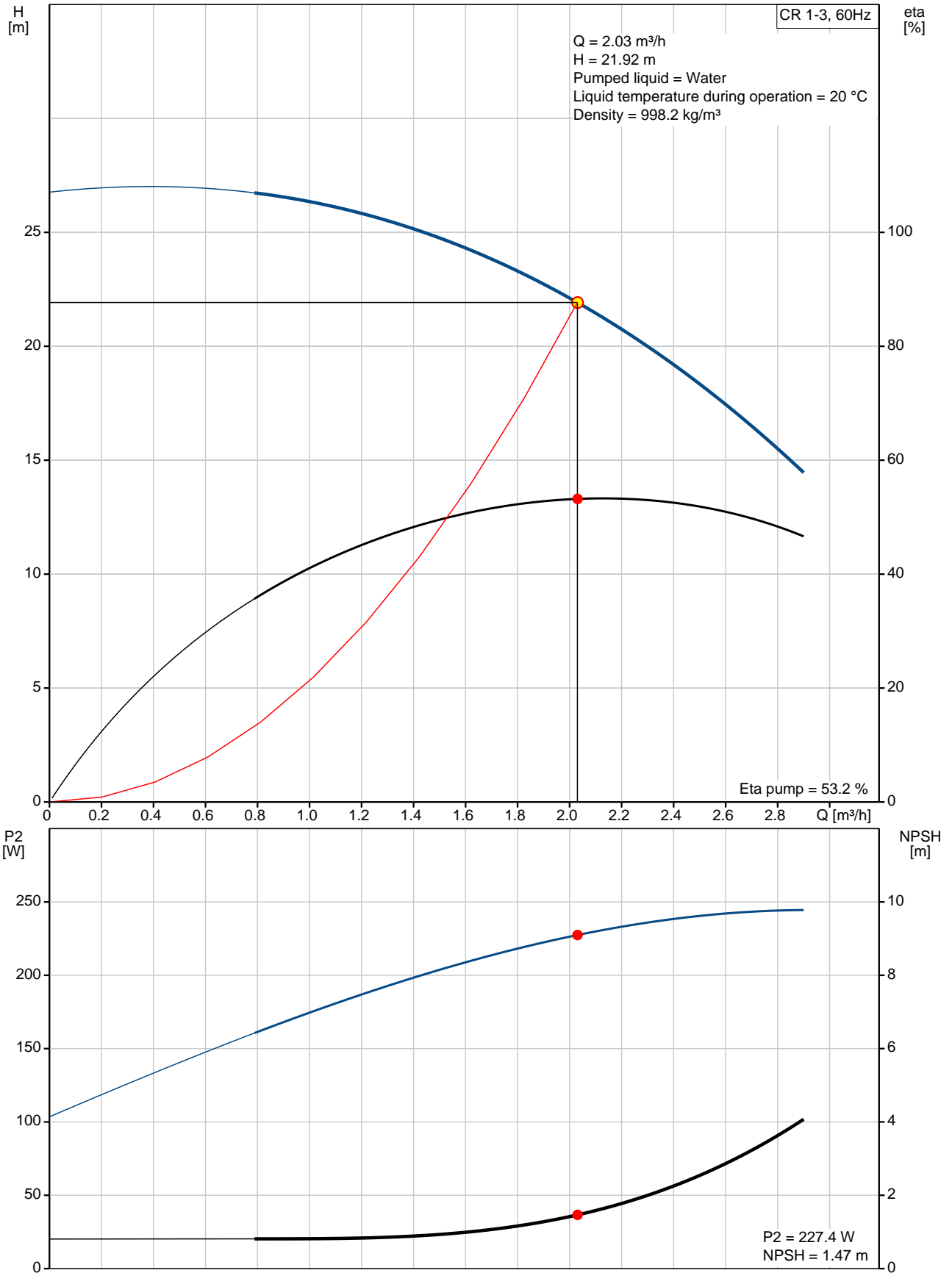
Others:

Net weight: 21.8 kg
Gross weight: 26.8 kg
Shipping volume: 0.14 m³

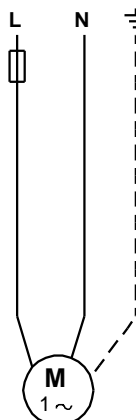
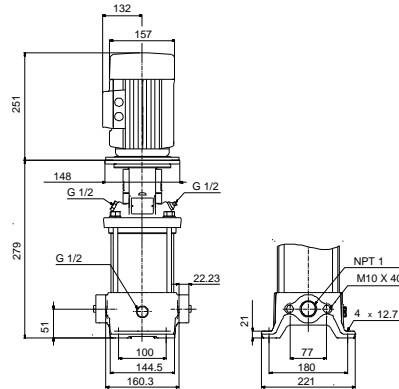
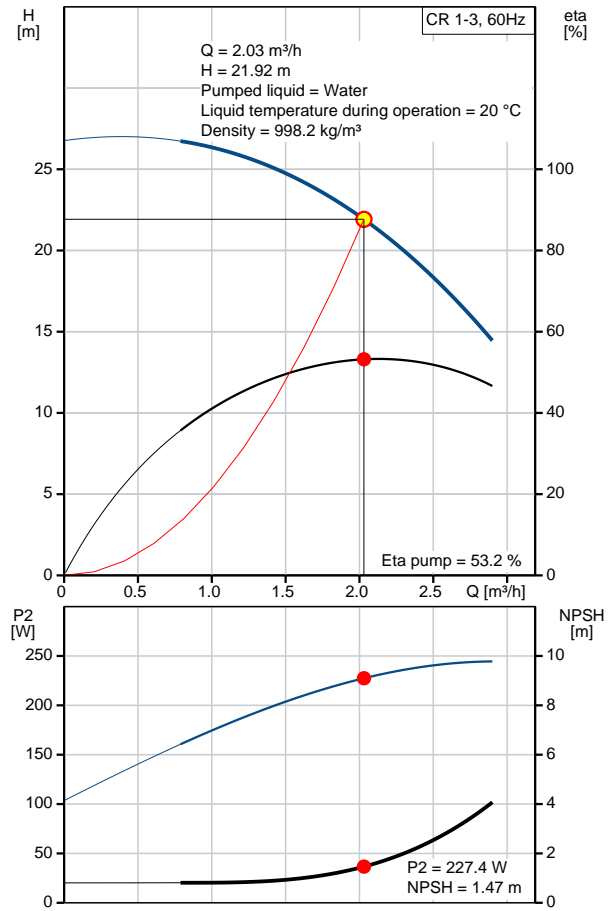
Position	Qty.	Description
	1	<p>CR 1-3 A-B-A-E-HQQE</p>  <p>Product No.: 96081967 Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.</p> <p>The pump has the following characteristics:</p> <ul style="list-style-type: none"> - Impellers and intermediate chambers are made of - The shaft seal has assembly length according to EN 12756. - Power transmission is via cast iron split coupling. <p>The motor is a 1-phase AC motor.</p> <p>Controls: Frequency converter: NONE</p> <p>Liquid: Pumped liquid: Water Liquid temperature during operation: 20 °C Density: 998.2 kg/m³</p> <p>Technical: Speed for pump data: 3436 rpm Actual calculated flow: 2.03 m³/h Resulting head of the pump: 21.92 m Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CURUS,NSF61 Curve tolerance: ISO9906:2012 3B</p> <p>Materials: Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Impeller: Stainless steel EN 1.4301 AISI 304 Bearing material: SIC</p> <p>Installation: Maximum ambient temperature: 40 °C Max pressure at stated temp: 16 bar / 120 °C 16 bar / -20 °C Type of connection: Oval / NPT(F) Size of inlet connection: 1 inch Size of outlet connection: 1 inch</p>

Position	Qty.	Description
		Pressure rating: PN 16 Flange size for motor: 56C Electrical data: Motor standard: NEMA Motor type: BALDOR IE Efficiency class: NA Rated power - P2: 0.25 kW Power (P2) required by pump: 0.25 kW Mains frequency: 60 Hz Rated voltage: 1 x 115/230 V Service factor: 1,35 Rated current: 6,00/3,00 A Rated speed: 3450 rpm Number of poles: 2 Insulation class (IEC 85): B Others: Net weight: 21.8 kg Gross weight: 26.8 kg Shipping volume: 0.14 m ³

96081967 CR 1-3 60 Hz



Description	Value
General information:	
Product name:	CR 1-3 A-B-A-E-HQQE
Product No:	96081967
EAN number:	5700395167054
Technical:	
Speed for pump data:	3436 rpm
Actual calculated flow:	2.03 m ³ /h
Resulting head of the pump:	21.92 m
Stages:	3
Impellers:	3
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQE
Approvals on nameplate:	CURUS,NSF61
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Cooling:	TEFC
Materials:	
Base:	Cast iron EN 1561 EN-GJL-200 ASTM A48-25B
Impeller:	Stainless steel EN 1.4301 AISI 304
Material code:	A
Code for rubber:	E
Bearing material:	SIC
Installation:	
Maximum ambient temperature:	40 °C
Max pressure at stated temp:	16 bar / 120 °C 16 bar / -20 °C
Type of connection:	Oval / NPT(F)
Connect code:	B
Size of inlet connection:	1 inch
Size of outlet connection:	1 inch
Pressure rating:	PN 16
Flange size for motor:	56C
Liquid:	
Pumped liquid:	Water
Liquid temperature during operation:	20 °C
Density:	998.2 kg/m ³
Electrical data:	
Motor standard:	NEMA
Motor type:	BALDOR
IE Efficiency class:	NA
Rated power - P2:	0.25 kW
Power (P2) required by pump:	0.25 kW
Mains frequency:	60 Hz
Rated voltage:	1 x 115/230 V
Service factor:	1,35
Rated current:	6,00/3,00 A
Load current:	6,8/3,4 A





Company name:

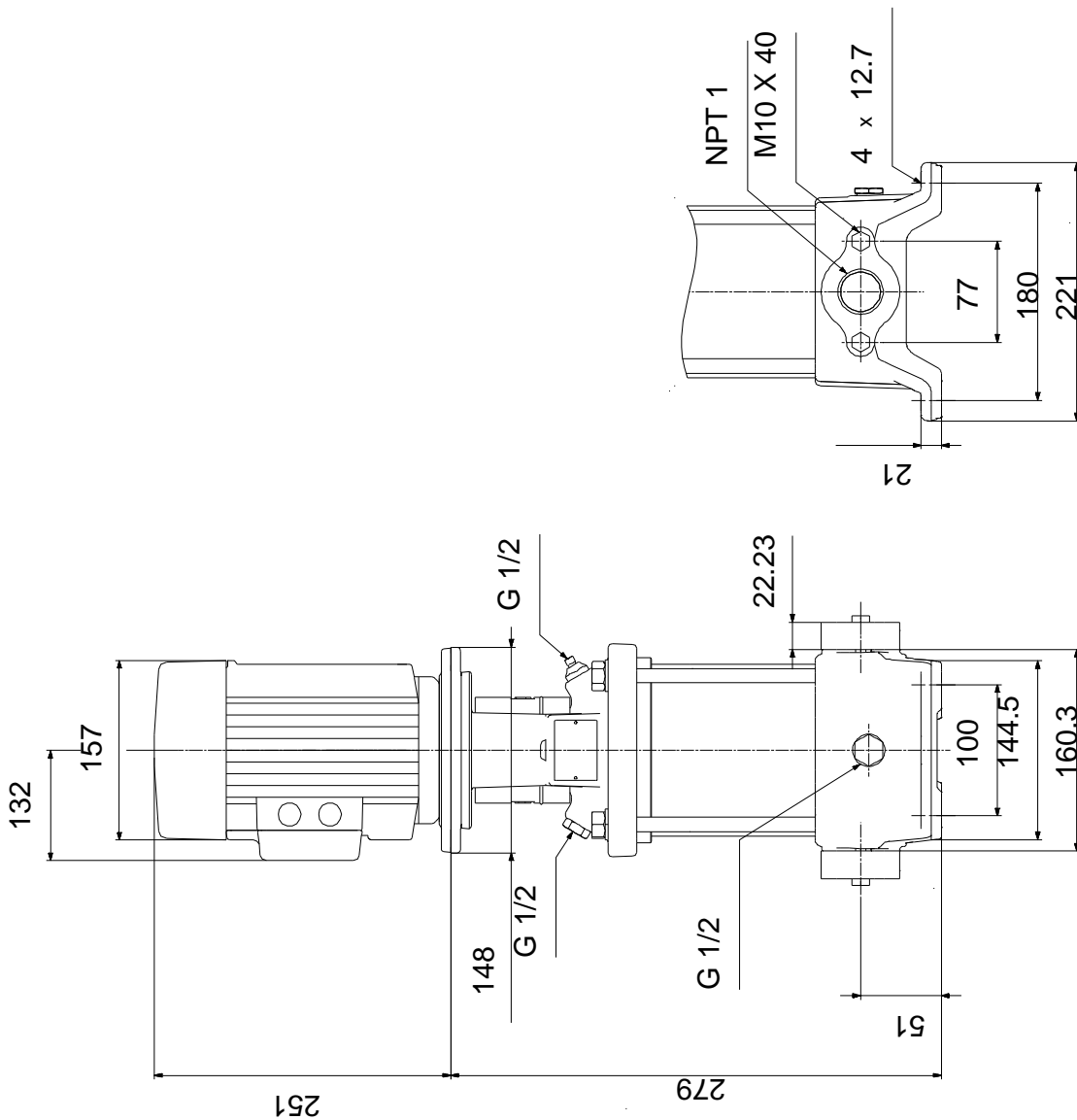
Created by:

Phone:

Date: 21/02/2018

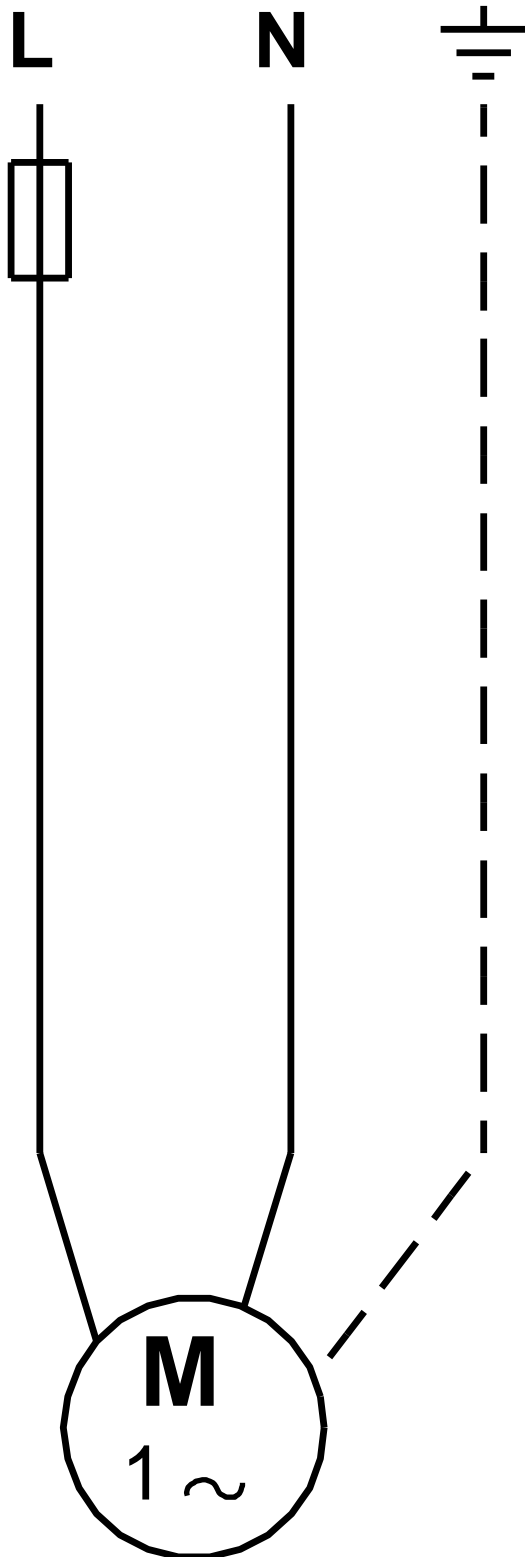
Description	Value
Rated speed:	3450 rpm
Number of poles:	2
Insulation class (IEC 85):	B
Motor No:	85680001
Controls:	
Frequency converter:	NONE
Others:	
Net weight:	21.8 kg
Gross weight:	26.8 kg
Shipping volume:	0.14 m ³

96081967 CR 1-3 60 Hz



Note! All units are in [mm] unless others are stated.
 Disclaimer: This simplified dimensional drawing does not show all details.

96081967 CR 1-3 60 Hz



Note! All units are in [mm] unless others are stated.



Company name:

Created by:

Phone:

Date: 21/02/2018

Order Data:

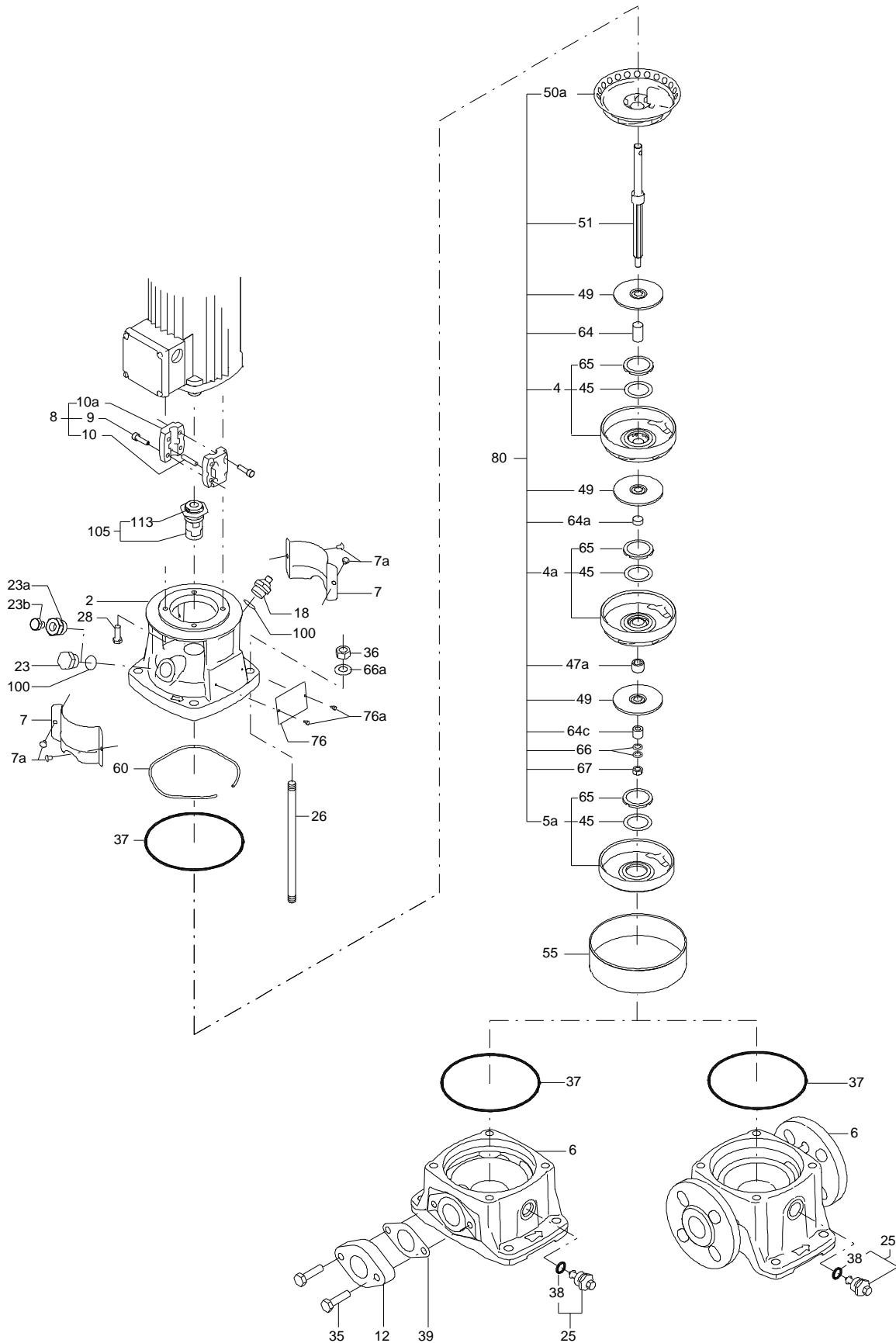
Product name: CR 1-3 A-B-A-E-HQQE

Amount: 1

Product No: 96081967

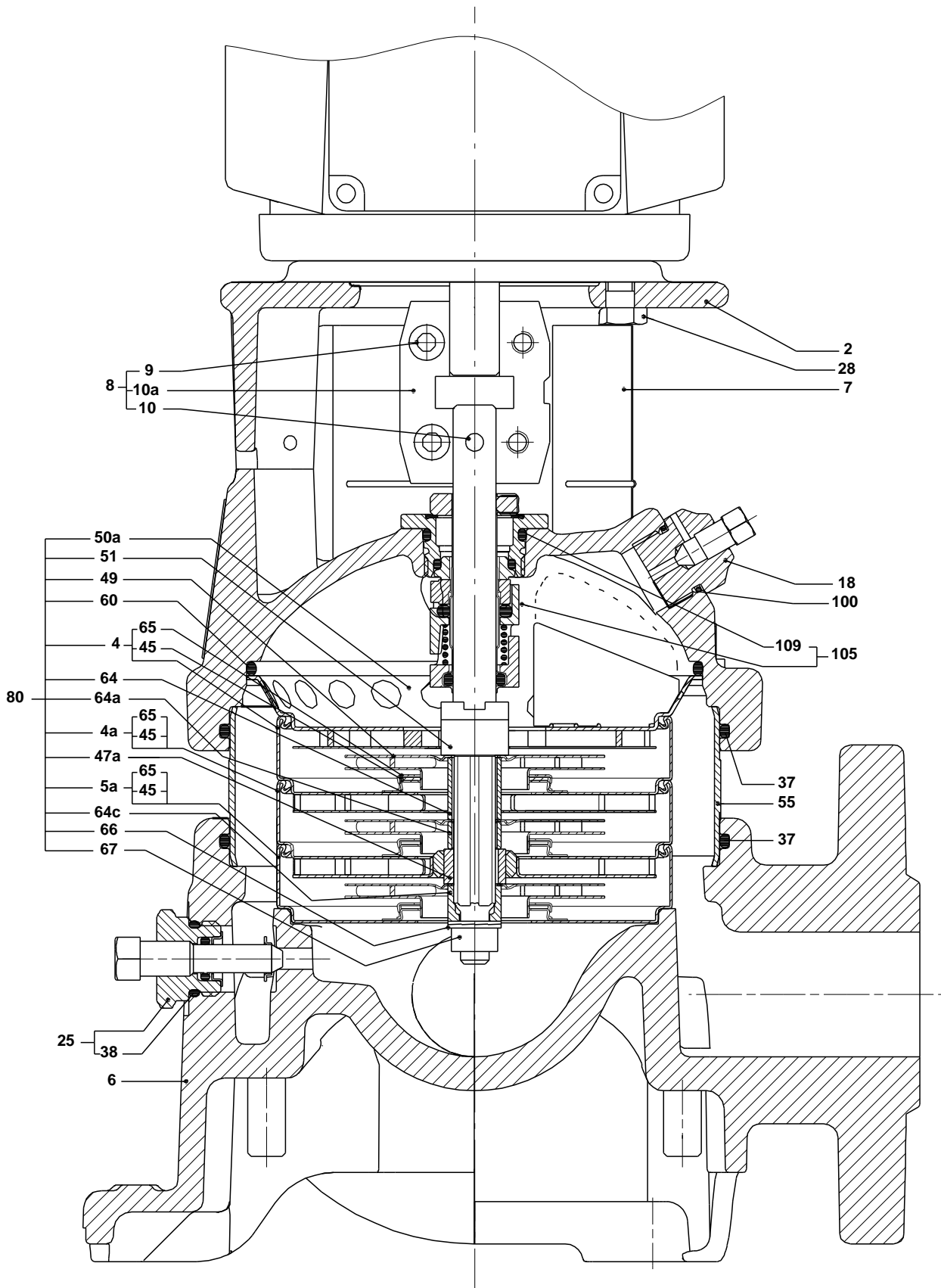
Total: Price on request

Exploded view (tm020210 4100)



TM020210

Sectional drawing (tm020211 4100)



Parts list CR 1-3, Product No. 96081967
Valid from 1.1.2004 (0401)

Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
	Motor				1	pcs
-	Base cpl.				1	pcs
6	Base				1	
12	Flange				2	
35	Hex head screw		Length (mm): 40 Thread: M10		4	
37	Gasket				2	
-	Sealing parts				1	pcs
- 25	Drain plug w/bypass valve				1	
38	O-ring		Diameter: 16,3 Material type: EPDM Thickness: 2,4			
37	O-ring				2	
100	O-ring		Diameter: 16,3 Material type: EPDM Thickness: 2,4		2	
- 2	Pump head cpl.				1	pcs
2	Pump head				1	
7	Coupling guard				2	
7a	Thread cutting screw				4	
- 18	Air vent screw				1	
	Plug					
	Spindle					
- 25	Drain plug				1	
23	Pipe plug					
25	Drain plug					
28	Hex head cap screw		Length (mm): 25 Thread: UNC 3/8"		4	
60	Formed wire spring				1	
+ 8	Coupling cpl.				1	pcs
26	Staybolt		Length (mm): 79 Thread: M12		4	pcs
36a	Washer		Designation: DIN 125 A Internal diameter: 13 Outer diameter: 24 Thickness: 2,5		4	pcs
55	Outer sleeve				1	pcs
66a	Nut		Thread: M12		4	pcs
+ 80	Chamber stack		Bearing type: SILICON CARBIDE		1	pcs
- 105	Shaft seal		Material type: HQQE		1	pcs
	O-ring				1	
	O-ring				1	
	Seal driver, upper				1	
	Seal driver, lower				1	
	Spacer ring				1	
	Pipe				1	
	Plug				1	
	Plug				1	
	Compression spring				1	
	Socket set screw				1	
102	O-ring		Diameter: 22,00 Material type: EPDM Thickness: 2,75		1	



Company name:

Created by:

Phone:

Date: 21/02/2018

Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
103	Seal ring, stationary				1	
105	Seal ring, rotating				1	
107	O-ring				1	
113	Driver				1	