

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

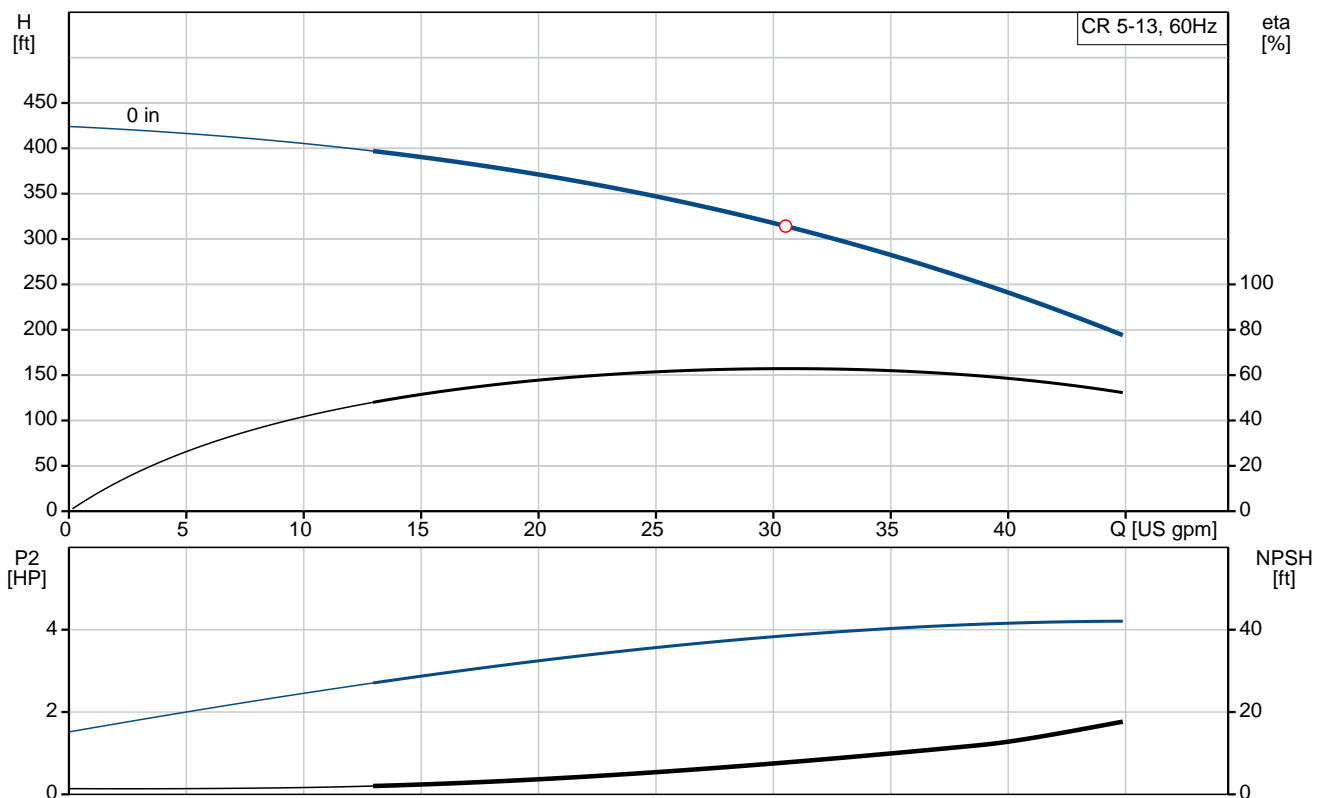


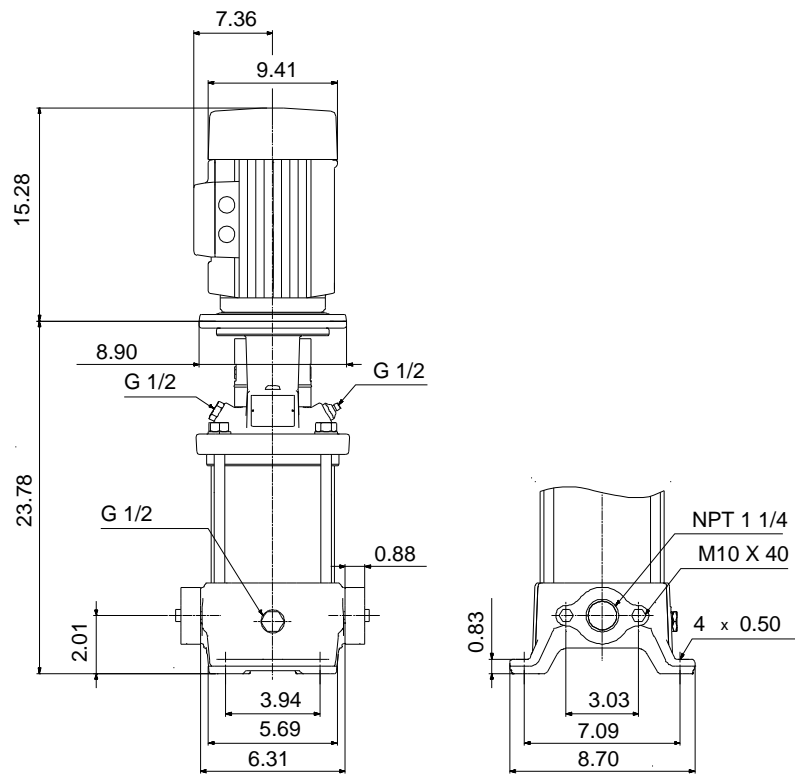
CR 5-13

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)(AISI 304)

Product photo could vary from the actual product

Conditions of Service	Pump Data	Motor Data
Flow: _____	Max pressure at stated temperature: 232 psi / 194 °F	Rated power - P2: 5 HP
Head: _____	Maximum ambient temperature: 104 °F	Rated voltage: 208-230 V
Efficiency: _____	Approvals: CURUS	Main frequency: 60 Hz
Liquid: Water	Shaft seal: HQQV	Enclosure class: 54 Dust/Splashing
Temperature: 68 °F	Product number: 96084193	Insulation class: F
NPSH required: ft		Motor protection: NONE
Viscosity: _____		Motor type: BALDOR
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: V

Tender Text



Product No.: [96084193](#)

CR 5-13 A-B-A-V-HQQV

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: 68 °F

Density: 62.29 lb/ft³

Technical:

Speed for pump data: 3468 rpm

Pump orientation: Vertical

Shaft seal arrangement: Single

Code for shaft seal: HQQV

Approvals on nameplate: CURUS

Curve tolerance: ISO9906:2012 3B

Materials:

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

Impeller: Stainless steel
EN 1.4301
AISI 304

Bearing material: SIC

Installation:

Maximum ambient temperature: 104 °F

Max pressure at stated temperature: 232 psi / 194 °F
232 psi / -4 °F

Type of connection: Oval / NPT(F)

Size of suction port: 1 1/4 inch

Size of outlet port: 1 1/4 inch

Pressure rating: PN 16



Company name:

Created by:

Phone:

Date:

2/20/2018


Flange size for motor: 182TC

Electrical data:

Motor standard: NEMA
Motor type: BALDOR
IE Efficiency class: NA
Rated power - P2: 5 HP
Power (P2) required by pump: 5 HP
Main frequency: 60 Hz
Rated voltage: 1 x 208-230 V
Service factor: 1,15
Rated current: 24,0-22,0 A
Rated speed: 3450 rpm
Number of poles: 2
Enclosure class (IEC 34-5): 54 Dust/Splashing
Insulation class (IEC 85): F

Others:

Net weight: 150 lb
Gross weight: 168 lb
Shipping volume: 10.1 ft³

Position	Count	Description
	1	<p>CR 5-13 A-B-A-V-HQQV</p>  <p>Product No.: 96084193 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: 68 °F Density: 62.29 lb/ft³</p> <p>Technical: Speed for pump data: 3468 rpm Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQV Approvals on nameplate: CURUS 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: 104 °F Max pressure at stated temperature: 232 psi / 194 °F 232 psi / -4 °F Type of connection: Oval / NPT(F) Size of suction port: 1 1/4 inch Size of outlet port: 1 1/4 inch Pressure rating: PN 16 Flange size for motor: 182TC</p>



Company name:

Created by:

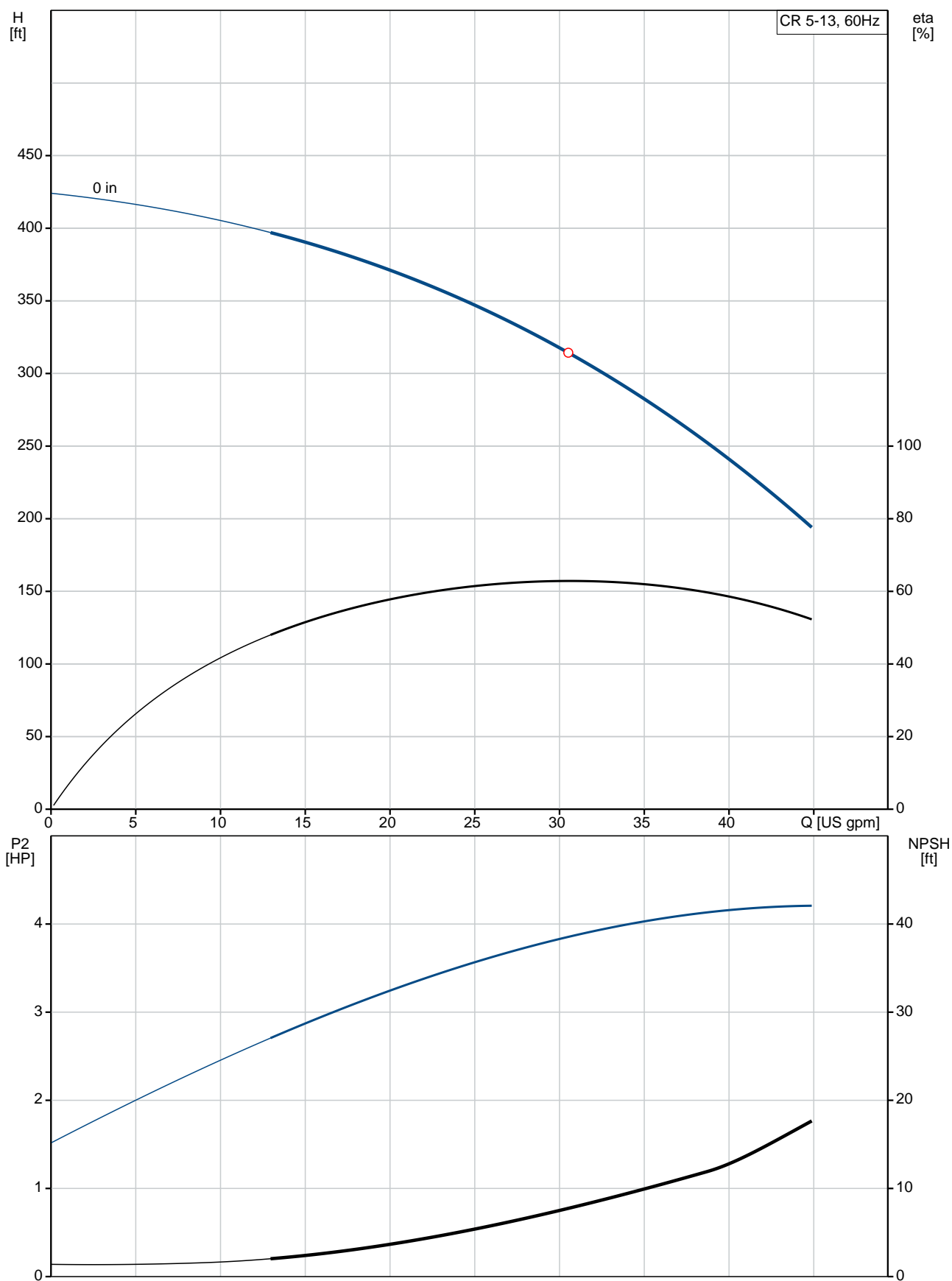
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Date:

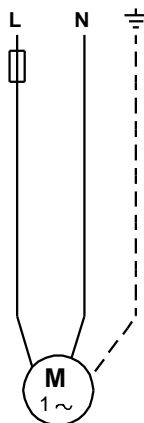
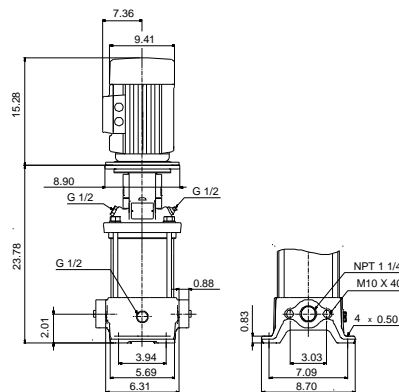
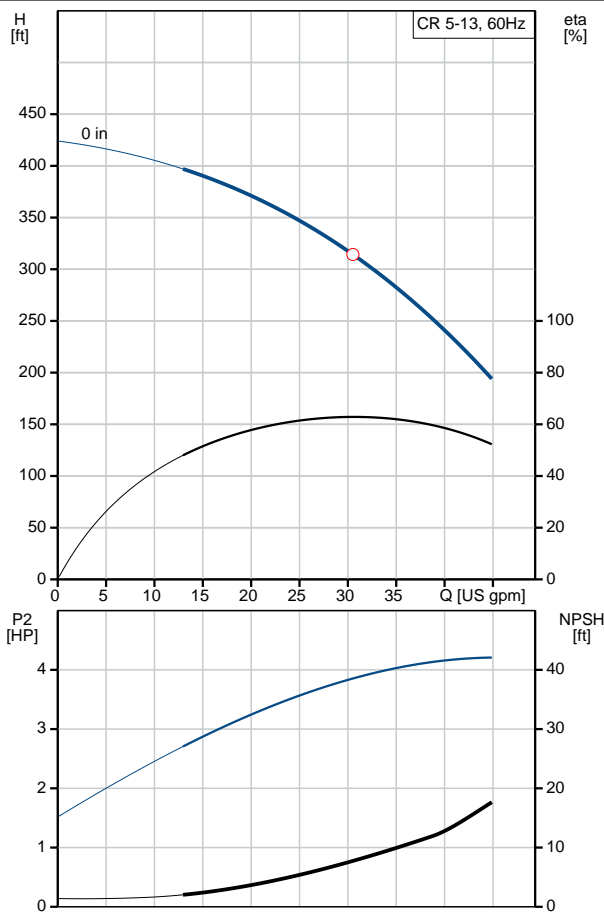
2/20/2018

Position	Count	Description
		Electrical data: Motor standard: NEMA Motor type: BALDOR IE Efficiency class: NA Rated power - P2: 5 HP Power (P2) required by pump: 5 HP Main frequency: 60 Hz Rated voltage: 1 x 208-230 V Service factor: 1,15 Rated current: 24,0-22,0 A Rated speed: 3450 rpm Number of poles: 2 Enclosure class (IEC 34-5): 54 Dust/Splashing Insulation class (IEC 85): F Others: Net weight: 150 lb Gross weight: 168 lb Shipping volume: 10.1 ft ³

96084193 CR 5-13 60 Hz



Description	Value
General information:	
Product name:	CR 5-13 A-B-A-V-HQQV
Product No.:	96084193
EAN:	5700395190311
Technical:	
Speed for pump data:	3468 rpm
Stages:	13
Impellers:	13
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQV
Approvals on nameplate:	CURUS
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:	V
Bearing material:	SIC
Installation:	
Maximum ambient temperature:	104 °F
Max pressure at stated temperature:	232 psi / 194 °F 232 psi / -4 °F
Type of connection:	Oval / NPT(F)
Connect code:	B
Size of suction port:	1 1/4 inch
Size of outlet port:	1 1/4 inch
Pressure rating:	PN 16
Flange size for motor:	182TC
Liquid:	
Pumped liquid:	Water
Liquid temperature during operation:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Motor standard:	NEMA
Motor type:	BALDOR
IE Efficiency class:	NA
Rated power - P2:	5 HP
Power (P2) required by pump:	5 HP
Main frequency:	60 Hz
Rated voltage:	1 x 208-230 V
Service factor:	1,15
Rated current:	24,0-22,0 A
Load current:	27,0-25,0 A
Rated speed:	3450 rpm
Number of poles:	2





Company name:

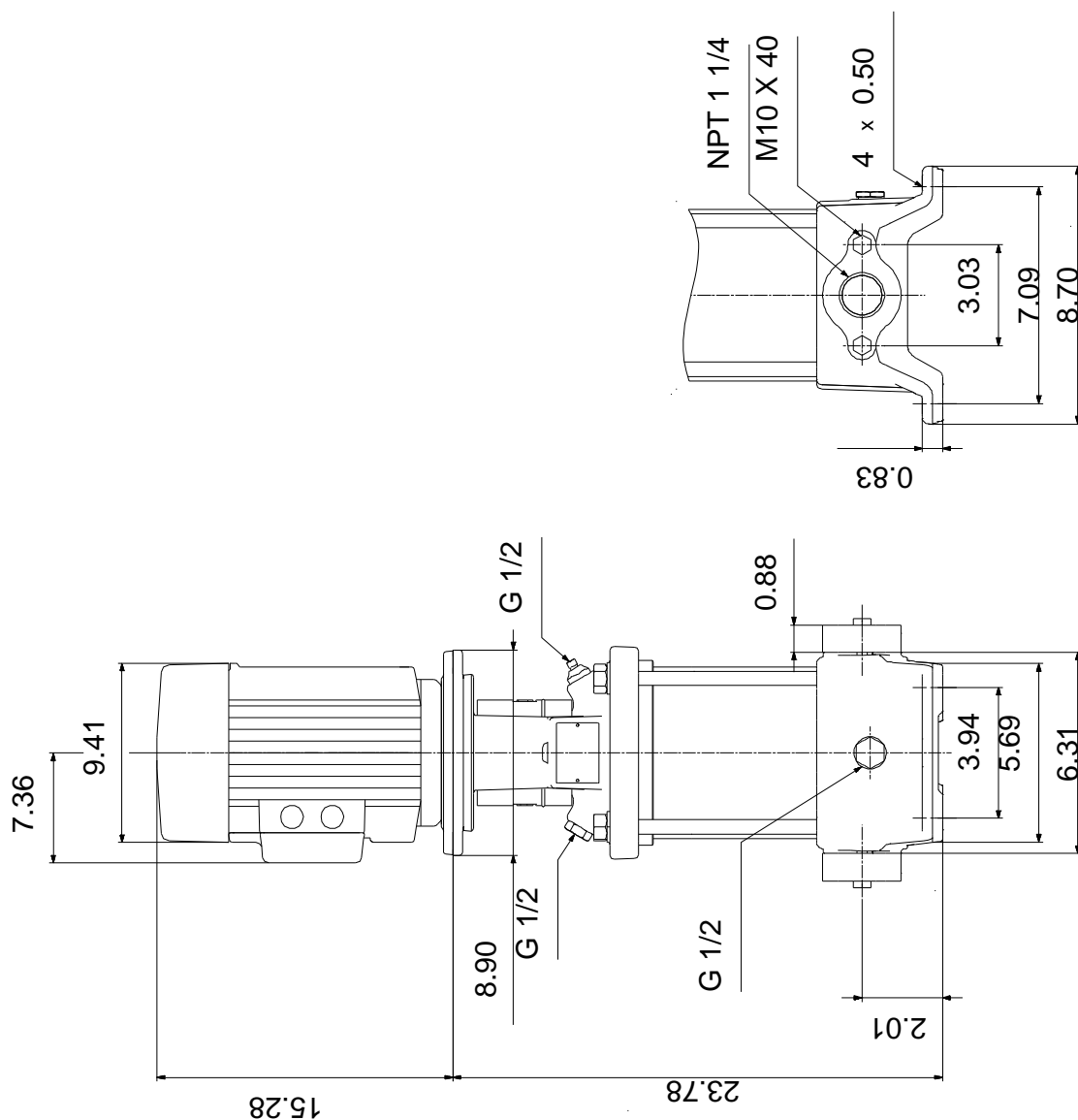
Created by:

Phone:

Date: 2/20/2018

Description	Value
Enclosure class (IEC 34-5):	54 Dust/Splashing
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85700012
Controls:	
Frequency converter:	NONE
Others:	
Net weight:	150 lb
Gross weight:	168 lb
Shipping volume:	10.1 ft ³

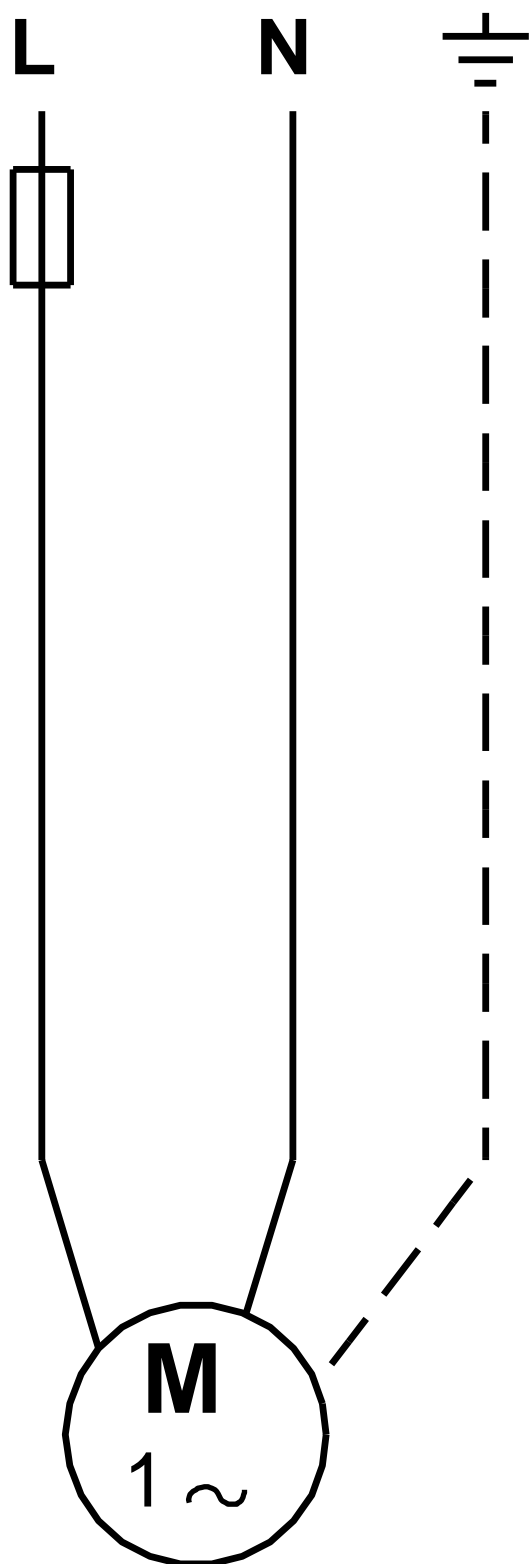
96084193 CR 5-13 60 Hz



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

Disclaimer: This simplified dimensional drawing does not show all details.

96084193 CR 5-13 60 Hz



All units are [mm] unless otherwise presented.



Company name:

Created by:

Phone:

Date:

2/20/2018

Order Data:

Product name: CR 5-13 A-B-A-V-HQQV

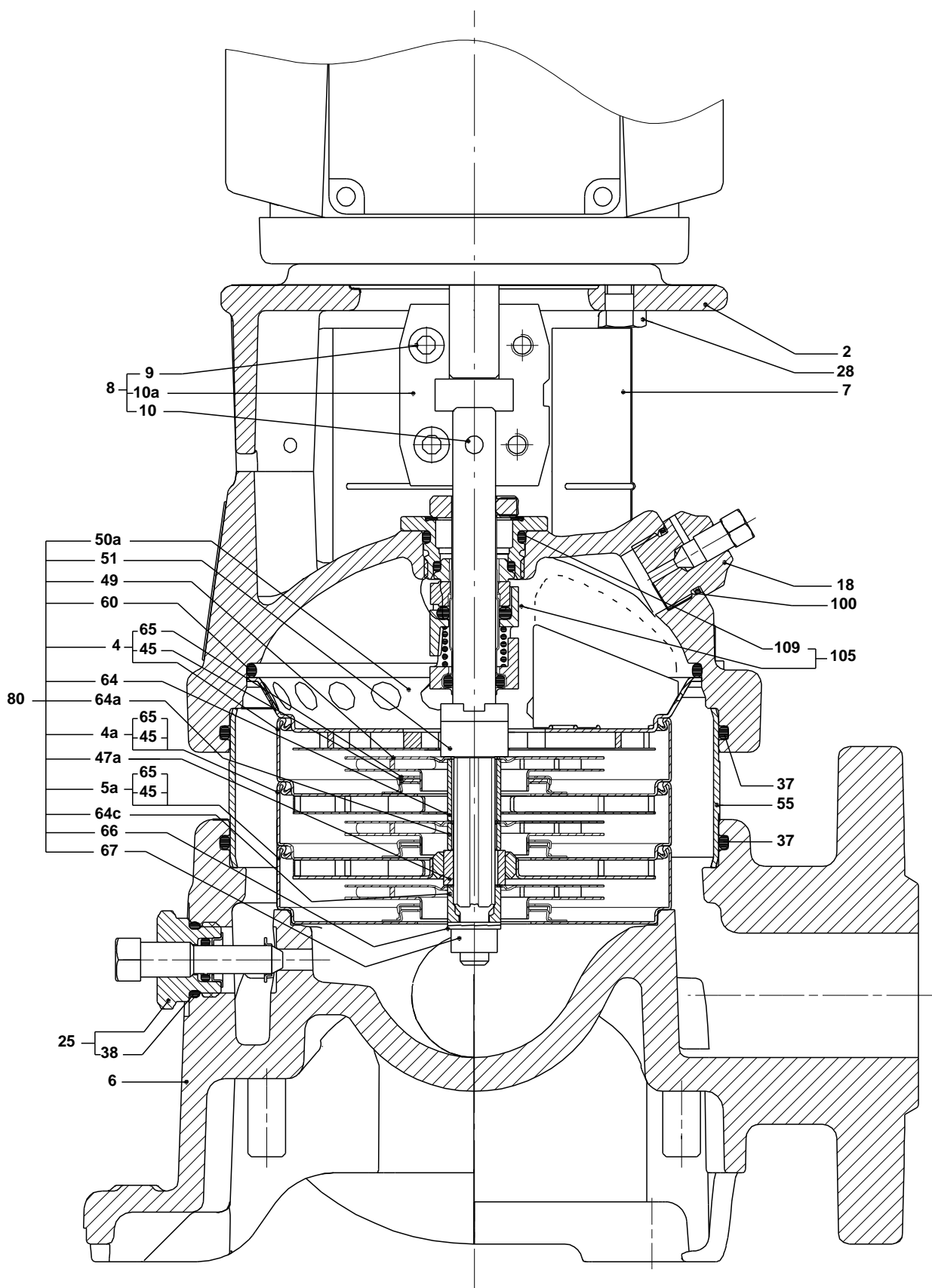
Amount: 1

Product No.: 96084193

Total: Price on request

TM020210

Sectional drawing (tm020211 4100)



TM020211

Parts list CR 5-13, Prod number 96084193

Valid from 1.1.2004 (0401)

Position	Description	Annotation	Classification data	Part No.	Count	Unit
	Motor				1	pcs
-	Base cpl.				1	pcs
6	Base				1	
12	Flange				2	
35	Hex head screw	Length: 40			4	
		Thread: M10				
39	Gasket				2	
-	Sealing parts				1	pcs
- 25	Drain plug w/bypass valve				1	
38	O-ring	Diameter: 16,3				
		Material type: FKM				
		Thickness: 2,4				
37	O-ring	Diameter: 137,5			2	
		Material type: FKM				
		Thickness: 3,3				
100	O-ring	Diameter: 16,3			2	
		Material type: FKM				
		Thickness: 2,4				
- 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: 25			4	
		Thread: UNC 1/2"				
60	Formed wire spring				1	
+ 8	Coupling cpl.				1	pcs
26	Staybolt	Length: 373			4	pcs
		Thread: M12				
36a	Washer	Designation: DIN 125 A			4	pcs
		Inner diameter: 13				
		Outer diameter: 24				
		Thickness: 2,5				
55	Outer sleeve				1	pcs
66a	Nut	Thread: M12			4	pcs
+ 80	Chamber stack				1	pcs
- 105	Shaft seal	Material type: HQQV			1	pcs
	O-ring				1	
	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				3	



Company name:

Created by:

Phone:

Date: 2/20/2018

Position	Description	Annotation	Classification data	Part No.	Count	Unit
103	Seal ring, stationary				1	
105	Seal ring, rotating				1	
109	O-ring				1	
113	Driver				1	