GRUNDFOS

Submittal Data

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



Product photo could vary from the actual product

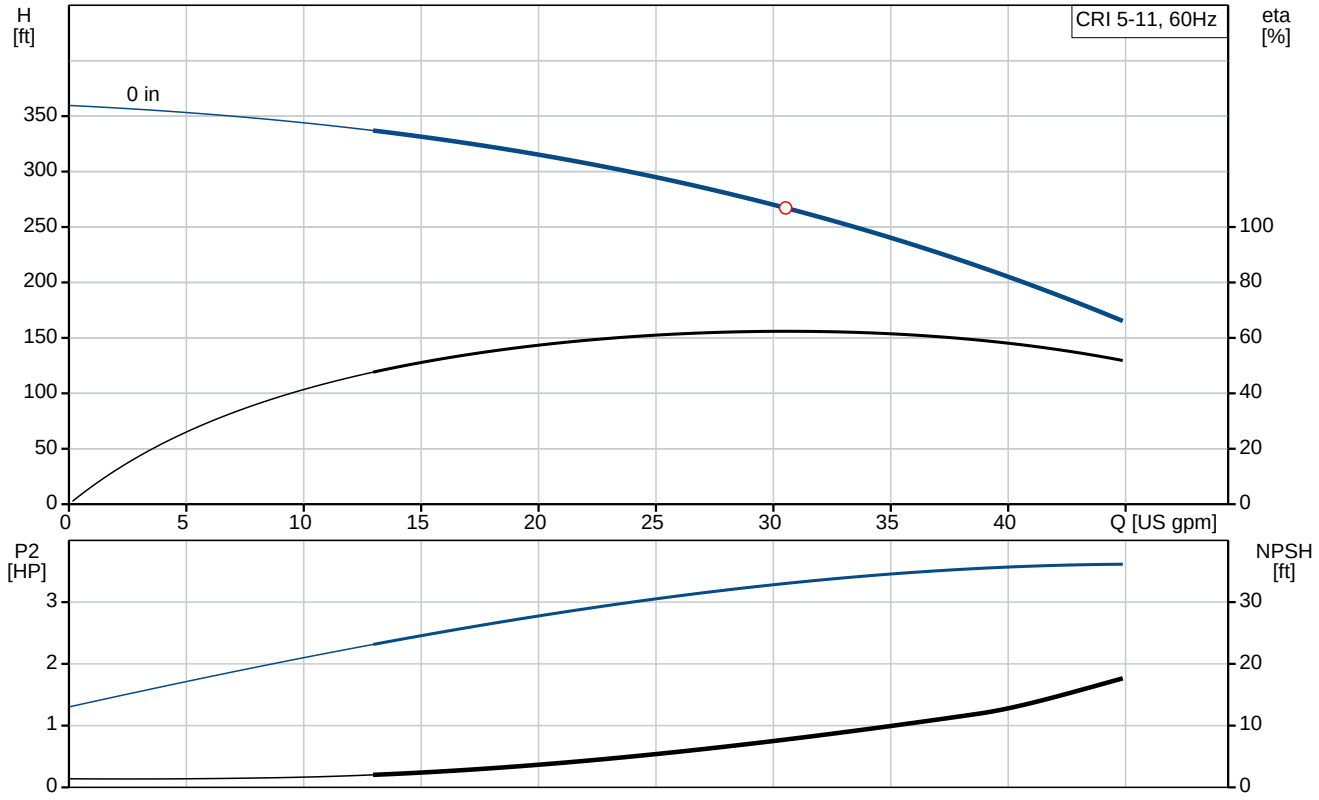
CRI 5-11

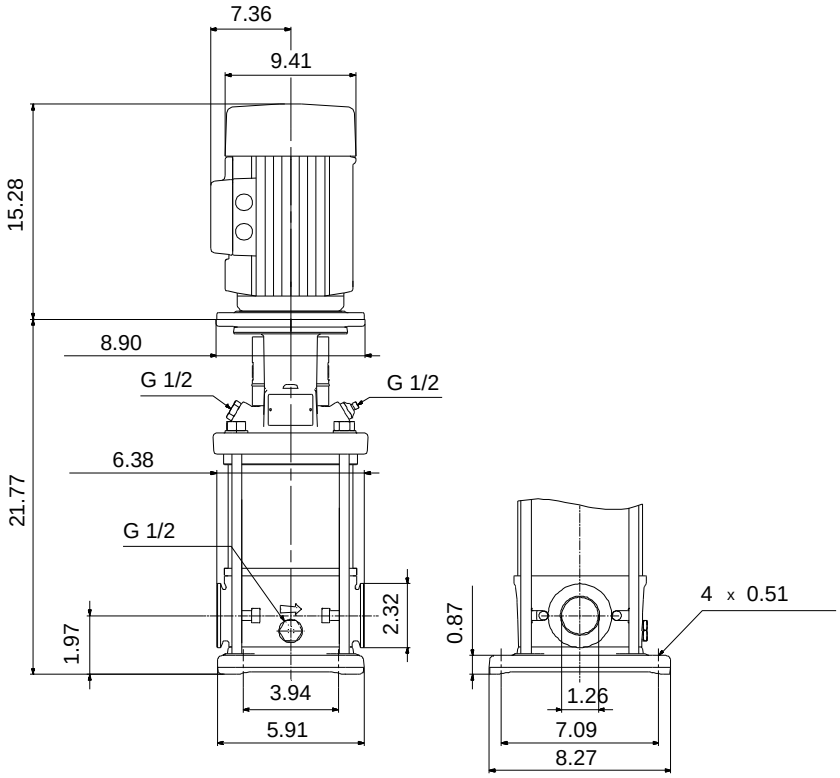
Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron. All wetted parts are in stainless steel (EN 1.4301) (AISI 304)

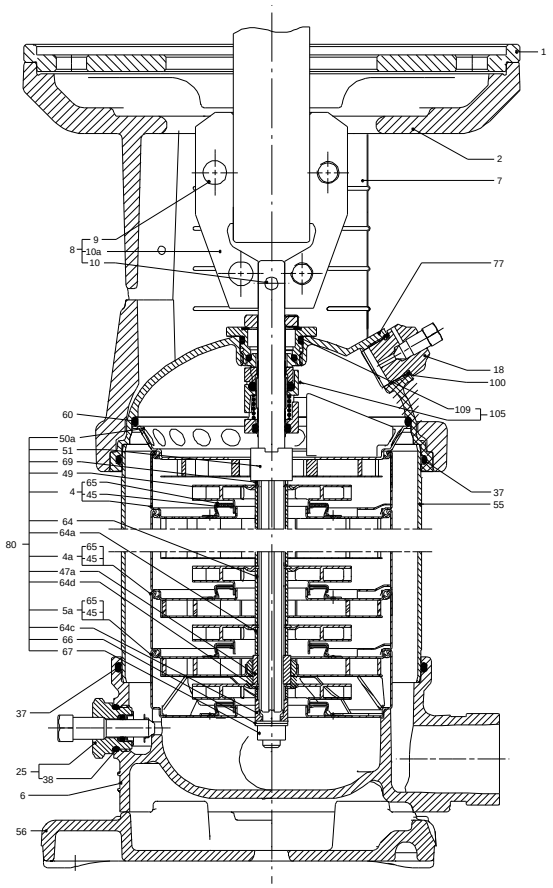
Conditions of Service	
Flow:	
Head:	
Efficiency:	
Liquid:	Water
Temperature:	68 °F
NPSH required:	ft
Viscosity:	
Specific Gravity:	1.000

Pump Data	
Max pressure at stated temperature:	363 psi / 194 °F
Maximum ambient temperature:	104 °F
Approvals:	CURUS
Shaft seal:	HQQV
Product number:	96084553

Motor Data	
Rated power - P2:	5 HP
Rated voltage:	208-230 V
Main frequency:	60 Hz
Enclosure class:	54 Dust/Splashing
Insulation class:	F
Motor protection:	NONE
Motor type:	BALDOR







Materials:

Base:	Stainless steel EN 1.4408 AISI 316
Impeller:	Stainless steel AISI 304 EN 1.4301
Material code:	I
Code for rubber:	V

GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/20/2018

Tender Text



Product No.: 96084553
CRI 5-11 A-CA-I-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, intermediate chambers and outer sleeve are made of
- Pump head cover and base are made of
- The shaft seal has assembly length according to EN 12756.
- Power transmission is via cast iron split coupling.
flanges/couplings.

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:	Stainless steel EN 1.4408 AISI 316
Impeller:	Stainless steel EN 1.4301 AISI 304
Bearing material:	SIC

Installation:

Maximum ambient temperature:	104 °F
Max pressure at stated temperature:	363 psi / 194 °F 363 psi / -4 °F
Type of connection:	FlexiClamp

Size of inlet connection:	DN 32
Size of suction port:	1 1/4 inch
Size of outlet connection:	DN 32
Size of outlet port:	1 1/4 inch
Pressure rating:	PN 25
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:	142 lb
Gross weight:	156 lb
Shipping volume:	8.26 ft^3

GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/20/2018

Position	Count	Description
	1	**CRI 5-11 A-CA-I-V-HQQV**



Product No.: 96084553
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, intermediate chambers and outer sleeve are made of
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- The shaft seal has assembly length according to EN 12756.
- Power transmission is via cast iron split coupling.

flanges/couplings.

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:	Stainless steel EN 1.4408 AISI 316
Impeller:	Stainless steel EN 1.4301 AISI 304
Bearing material:	SIC

Installation:

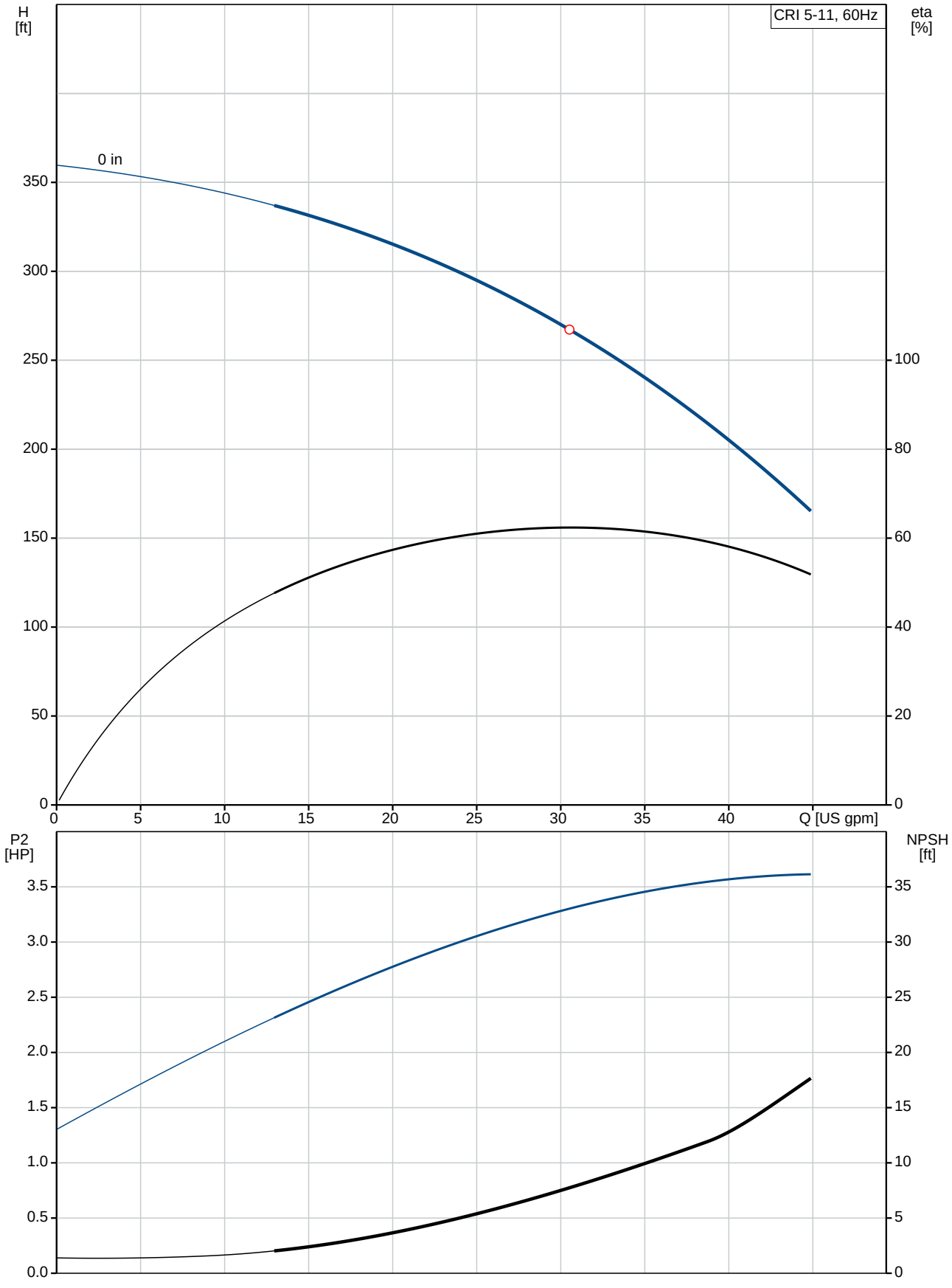
Maximum ambient temperature:	104 °F
Max pressure at stated temperature:	363 psi / 194 °F 363 psi / -4 °F
Type of connection:	FlexiClamp
Size of inlet connection:	DN 32

Position	Count	Description	
		Size of suction port:	1 1/4 inch
		Size of outlet connection:	DN 32
		Size of outlet port:	1 1/4 inch
		Pressure rating:	PN 25
		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:	142 lb
		Gross weight:	156 lb
		Shipping volume:	8.26 ft^3

Company name:
Created by:
Phone:

Date: 2/20/2018

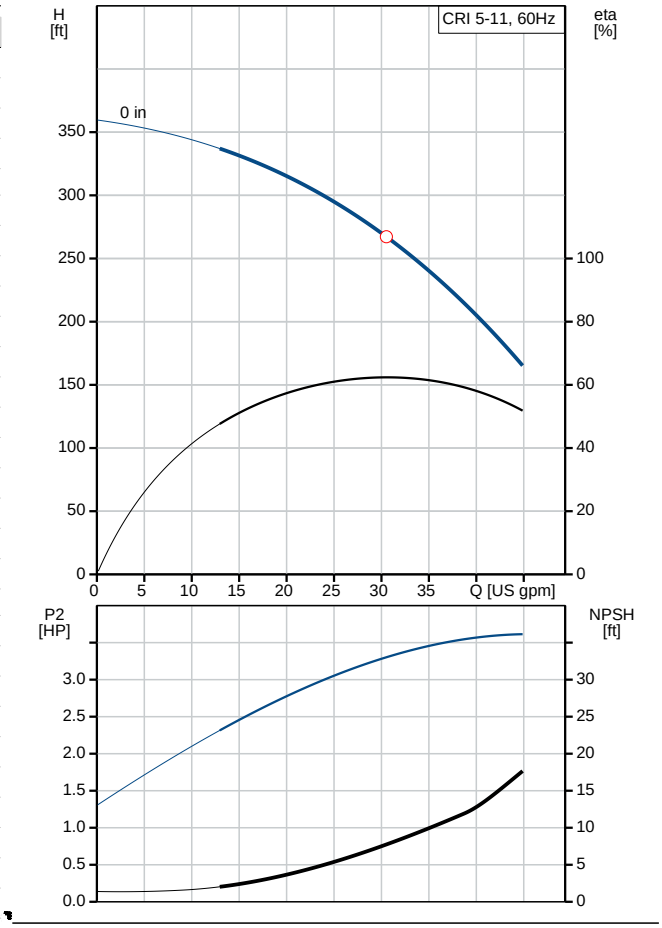
96084553 CRI 5-11 60 Hz

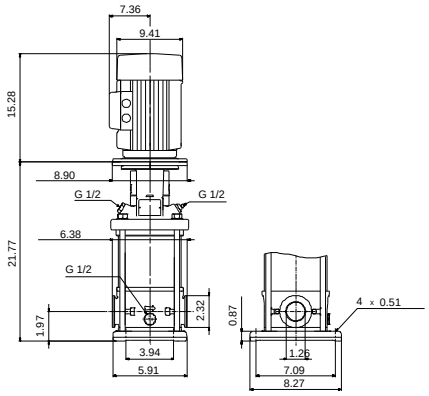


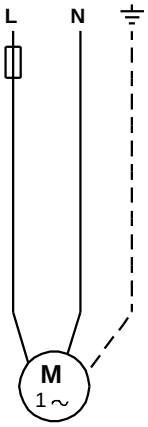
Company name:
Created by:
Phone:

Date: 2/20/2018

Description	Value
General information:	
Product name:	CRI 5-11 A-CA-I-V-HQQV
Product No.:	96084553
EAN:	5700395193916
Technical:	
Speed for pump data:	3468 rpm
Stages:	11
Impellers:	11
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:	Stainless steel
	EN 1.4408
	AISI 316
Impeller:	Stainless steel
	EN 1.4301
	AISI 304
Material code:	I
Code for rubber:	V
Bearing material:	SIC
Installation:	
Maximum ambient temperature:	104 °F
Max pressure at stated temperature:	363 psi / 194 °F
	363 psi / -4 °F
Type of connection:	FlexiClamp
Connect code:	CA
Size of inlet connection:	DN 32
Size of suction port:	1 1/4 inch
Size of outlet connection:	DN 32
Size of outlet port:	1 1/4 inch
Pressure rating:	PN 25
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







GRUNDFOS

Company name:
Created by:
Phone:

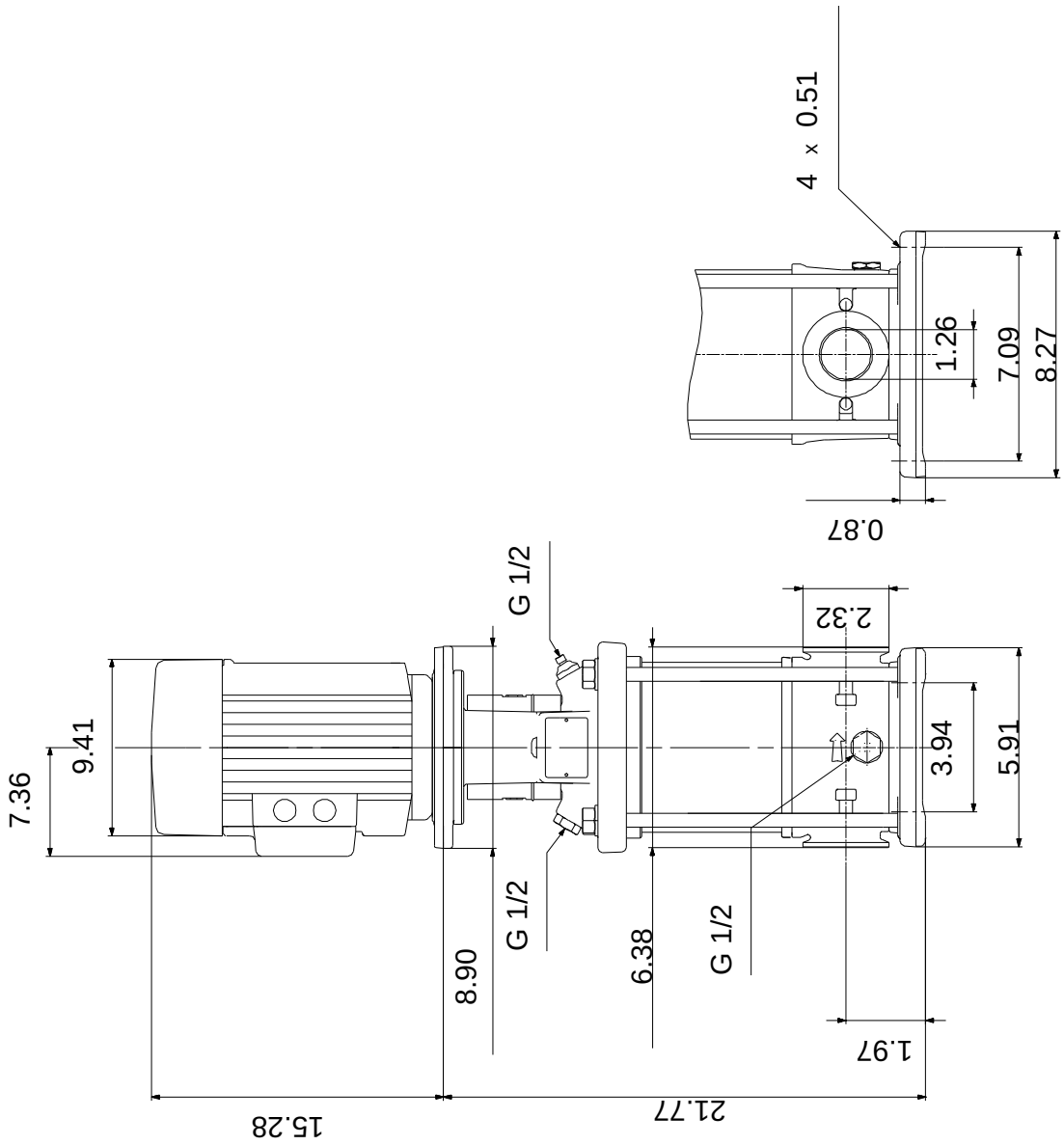
Date: 2/20/2018

Description	Value
Rated speed:	3450 rpm
Number of poles:	2
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:	142 lb
Gross weight:	156 lb
Shipping volume:	8.26 ft³

Company name:
Created by:
Phone:

Date: 2/20/2018

96084553 CRI 5-11 60 Hz

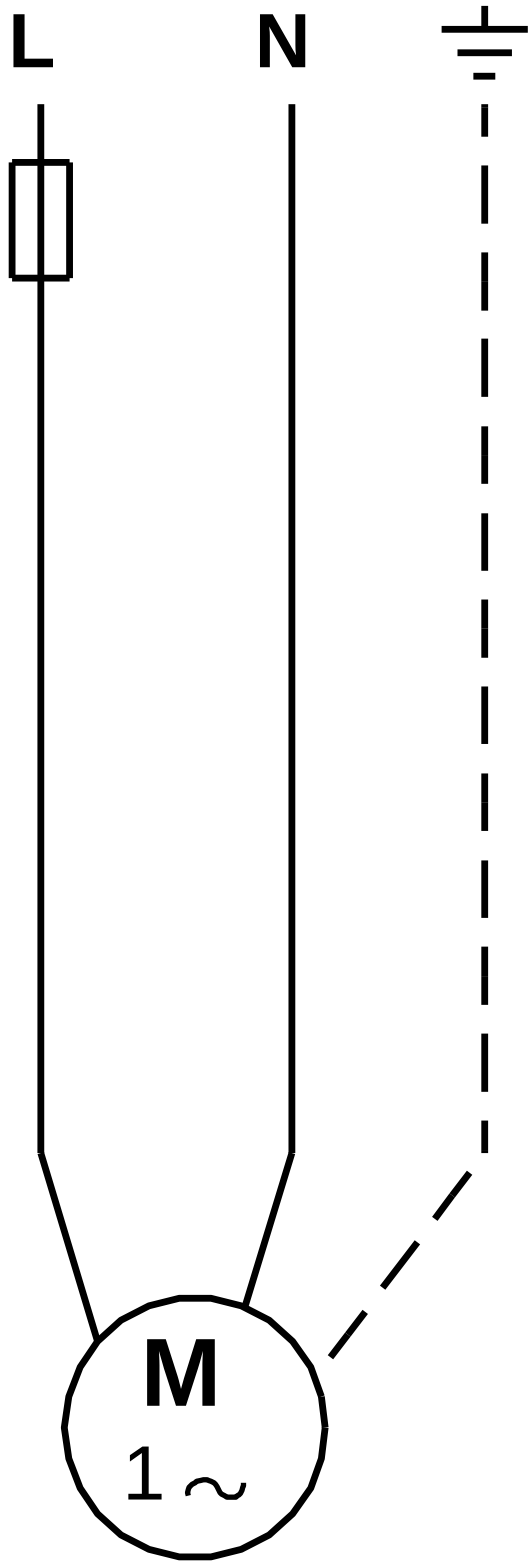


Note! All units are in [mm] unless otherwise stated.
Disclaimer: This simplified dimensional drawing does not show all details.

Company name:
Created by:
Phone:

Date: 2/20/2018

96084553 CRI 5-11 60 Hz



All units are [mm] unless otherwise presented.

Company name:
Created by:
Phone:

Date: 2/20/2018

Order Data:

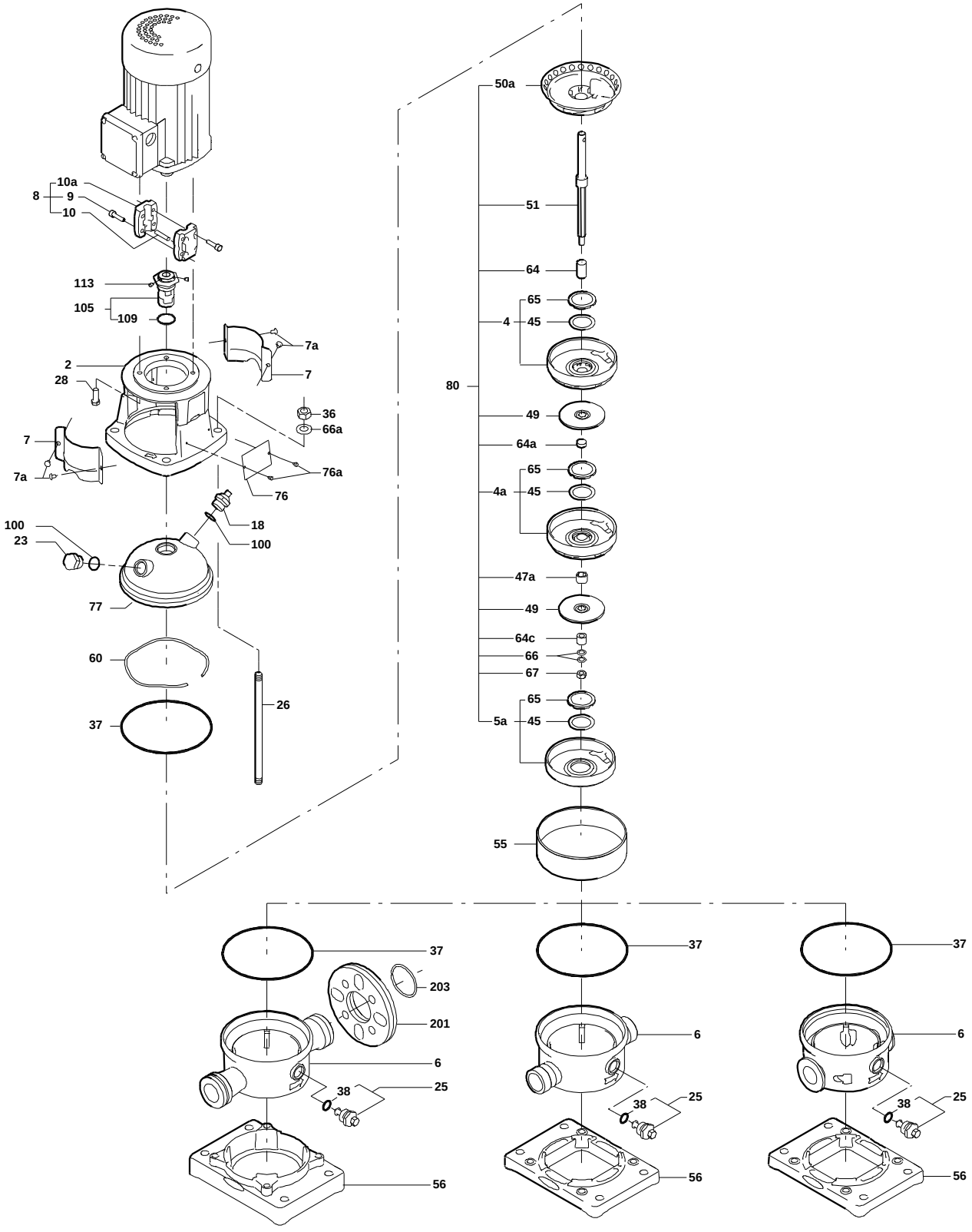
Product name: CRI 5-11 A-CA-I-V-HQQV
Amount: 1
Product No.: 96084553

Total: Price on request

Company name:
Created by:
Phone:

Date: 2/20/2018

Exploded view (TM02 0212 4100)

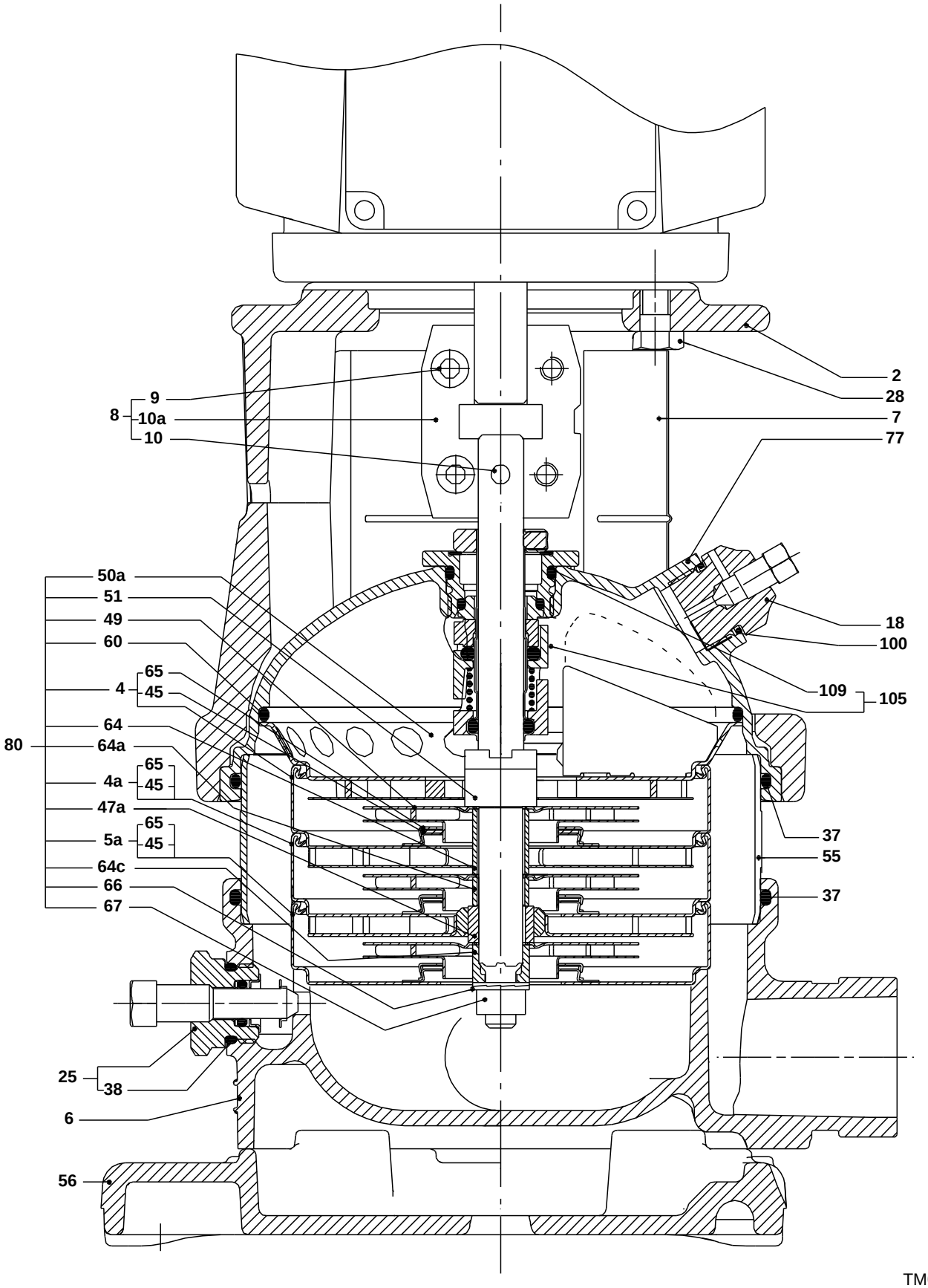


GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/20/2018

Sectional drawing (TM02 0215 4100)



GRUNDFOS

Company name:
Created by:
Phone:

Date: 2/20/2018

Parts list CRI 5-11, Prod number 96084553
Valid from 1.1.2004 (0401)

	Position	Description	Annotation	Classification data	Part No.	Count	Unit
		Motor				1	pcs
+		Base cpl.				1	pcs
-		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	Motor stool				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	
	77	Pump cover				1	
+	8	Coupling cpl.				1	pcs
	26	Staybolt		Length: 394		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	
	103	Seal ring, stationary				1	
	105	Seal ring, rotating				1	
	109	O-ring				1	
	113	Driver				1	