

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

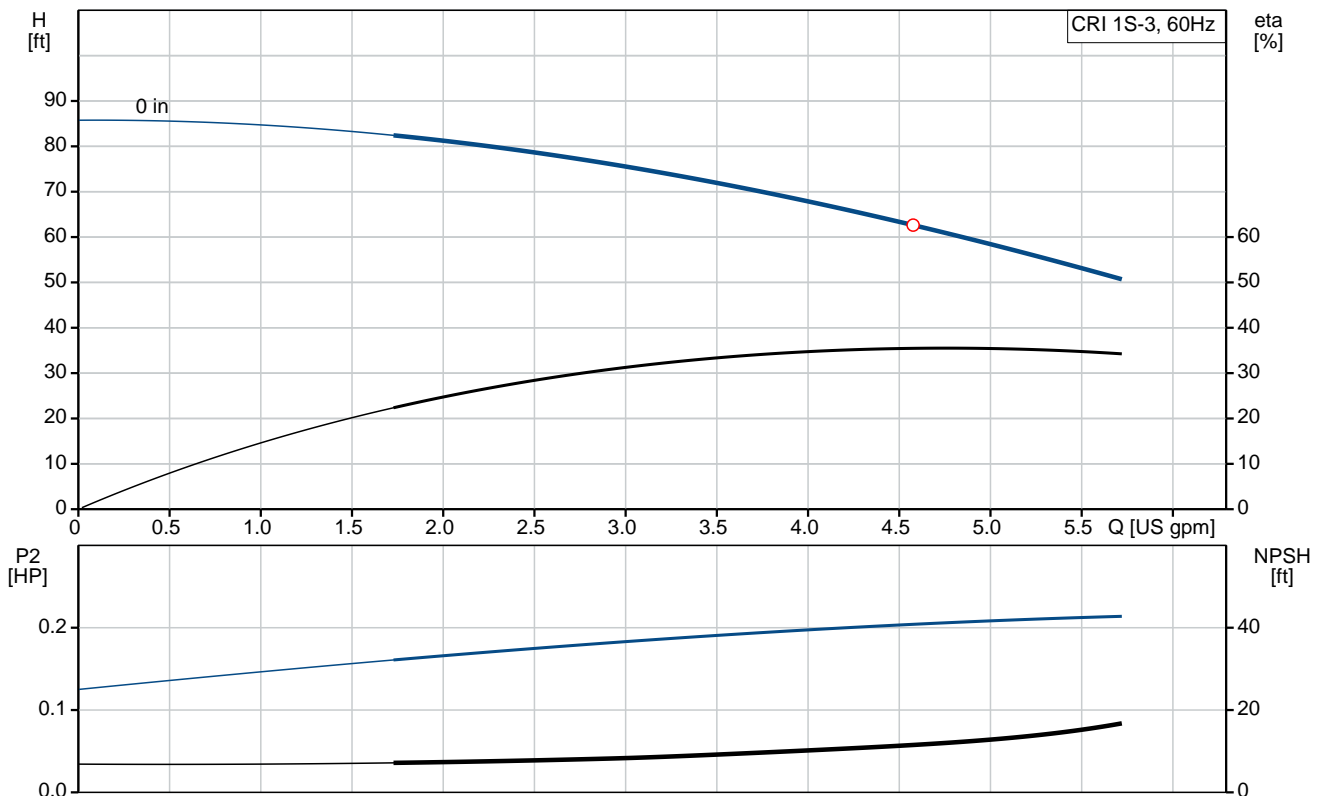


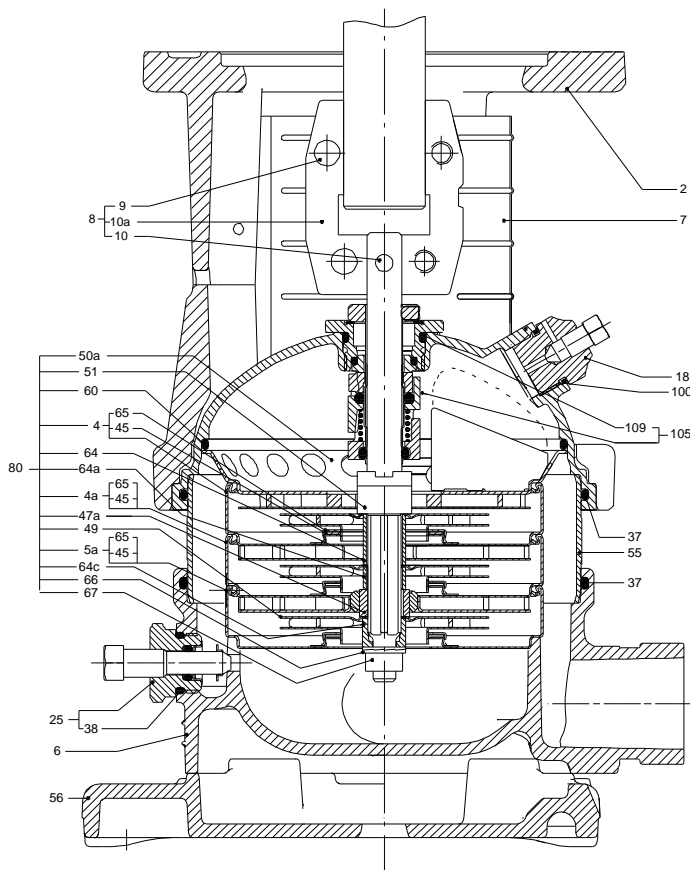
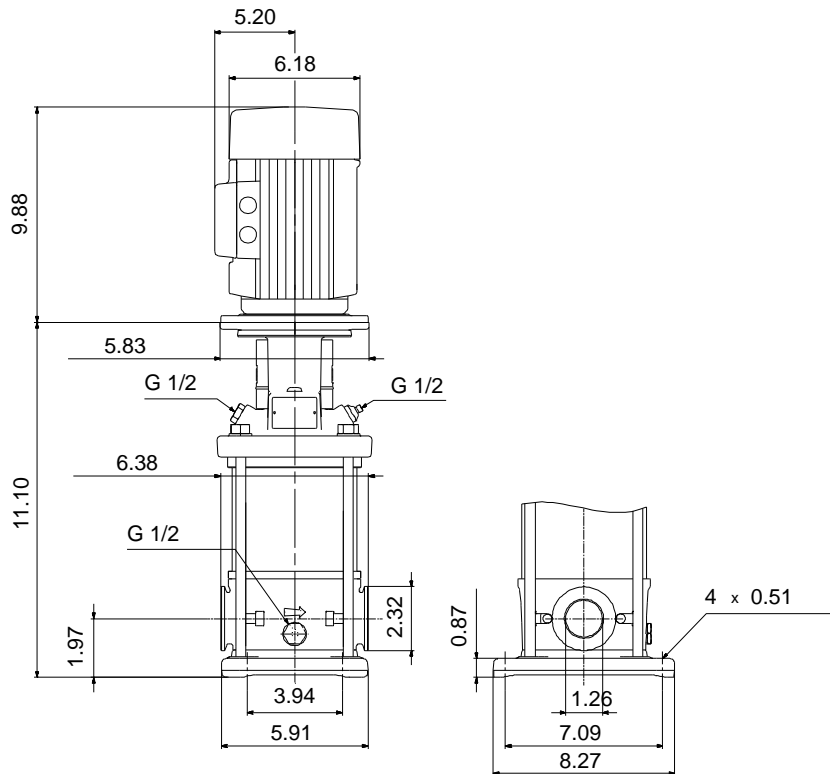
### CRI 1S-3

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)

Product photo could vary from the actual product

Conditions of Service	Pump Data	Motor Data
Flow: _____	Max pressure at stated temperature: 363 psi / 194 °F	Rated power - P2: 0.33 HP
Head: _____	Maximum ambient temperature: 104 °F	Rated voltage: 115/230 V
Efficiency: _____	Approvals: CURUS	Main frequency: 60 Hz
Liquid: Water	Shaft seal: HQQV	Insulation class: B
Temperature: 68 °F	Product number: 96081307	Motor type: BALDOR
NPSH required: ft		
Viscosity: _____		
Specific Gravity: 1.000		





**Materials:**

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

## Tender Text



Product No.: [96081307](#)

### **CRI 1S-3 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/ft<sup>3</sup>

#### **Technical:**

Speed for pump data: 3436 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



Company name:

Created by:

Phone:

Date:

2/20/2018


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: 56C

**Electrical data:**

Motor standard: NEMA  
Motor type: BALDOR  
IE Efficiency class: NA  
Rated power - P2: 0.33 HP  
Power (P2) required by pump: 0.33 HP  
Main 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: 43.9 lb  
Gross weight: 54.9 lb  
Shipping volume: 4.94 ft<sup>3</sup>

Position	Count	Description
	1	<p><b>CRI 1S-3 A-CA-I-V-HQQV</b></p>  <p>Product No.: <a href="#">96081307</a>            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"> <li>- Impellers, intermediate chambers and outer sleeve are made of</li> <li>- Pump head cover and base are made of</li> <li>- The shaft seal has assembly length according to EN 12756.</li> <li>- Power transmission is via cast iron split coupling flanges/couplings.</li> </ul> <p>The motor is a 1-phase AC motor.</p> <p><b>Controls:</b>            Frequency converter: NONE</p> <p><b>Liquid:</b>            Pumped liquid: Water            Liquid temperature during operation: 68 °F            Density: 62.29 lb/ft<sup>3</sup></p> <p><b>Technical:</b>            Speed for pump data: 3436 rpm            Pump orientation: Vertical            Shaft seal arrangement: Single            Code for shaft seal: HQQV            Approvals on nameplate: CURUS            Curve tolerance: ISO9906:2012 3B</p> <p><b>Materials:</b>            Base: Stainless steel                      EN 1.4408                      AISI 316            Impeller: Stainless steel                      EN 1.4301                      AISI 304            Bearing material: SIC</p> <p><b>Installation:</b>            Maximum ambient temperature: 104 °F            Max pressure at stated temperature: 363 psi / 194 °F              363 psi / -4 °F</p> <p>Type of connection: FlexiClamp            Size of inlet connection: DN 32</p>



Company name:

Created by:

Phone:

Date:

2/20/2018

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: 56C  <b>Electrical data:</b> Motor standard: NEMA Motor type: BALDOR IE Efficiency class: NA Rated power - P2: 0.33 HP Power (P2) required by pump: 0.33 HP Main 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  <b>Others:</b> Net weight: 43.9 lb Gross weight: 54.9 lb Shipping volume: 4.94 ft <sup>3</sup>



Company name:

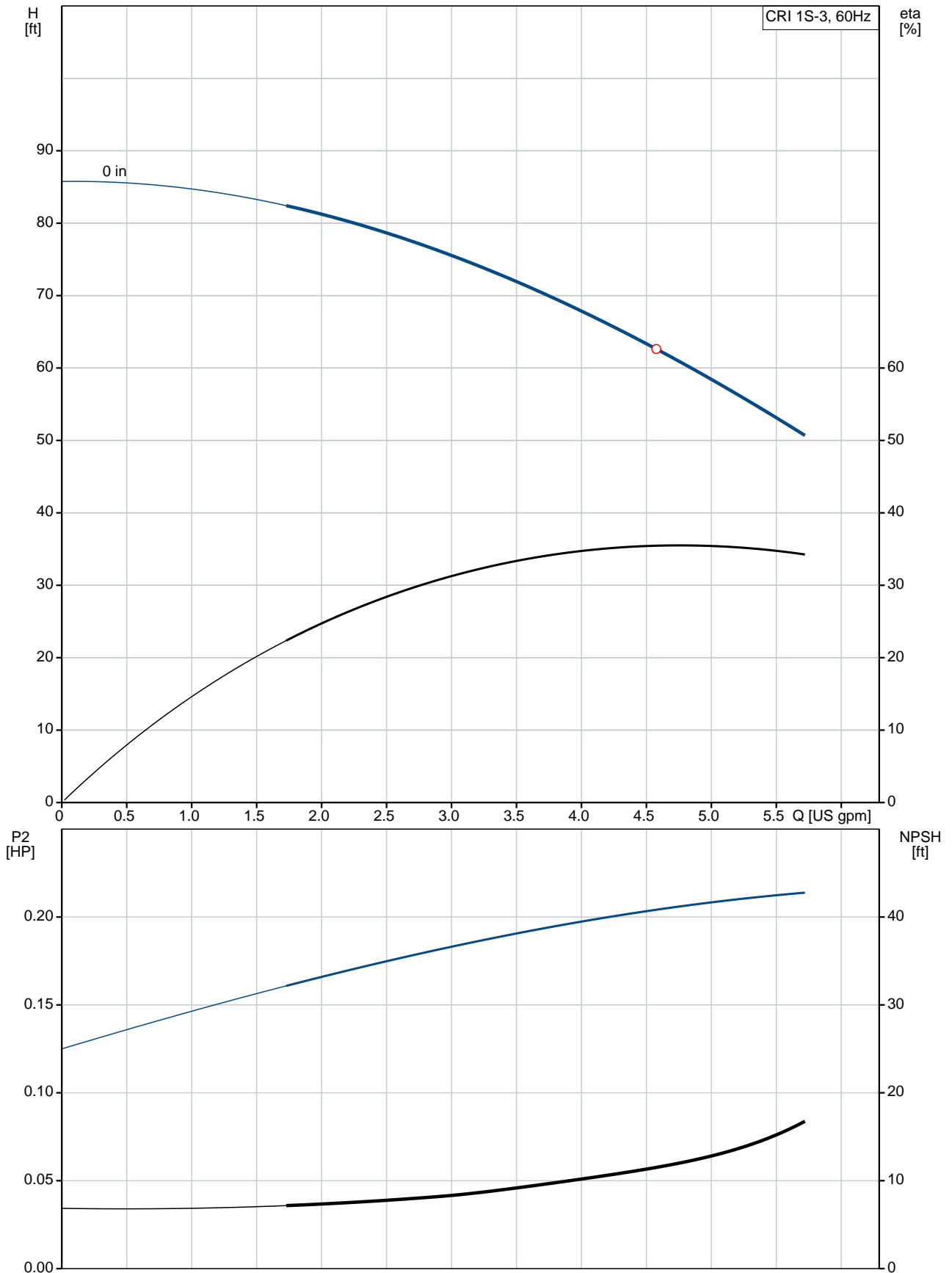
Created by:

Phone:

Date:

2/20/2018

### 96081307 CRI 1S-3 60 Hz



Description	Value
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**General information:**

Product name: CRI 1S-3 A-CA-I-V-HQQV  
 Product No.: [96081307](#)  
 EAN: 5700395164589

**Technical:**

Speed for pump data: 3436 rpm  
 Stages: 3  
 Impellers: 3  
 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:**

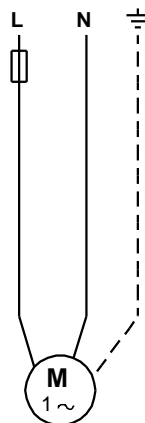
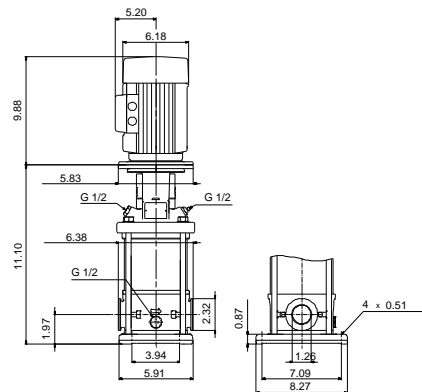
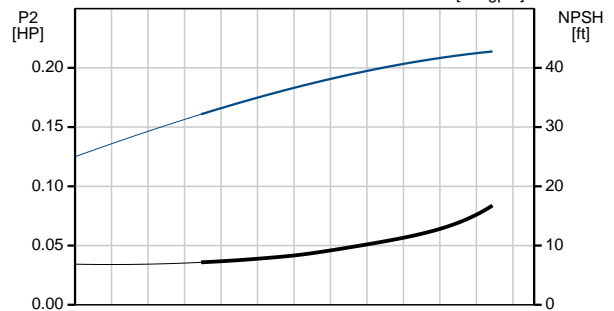
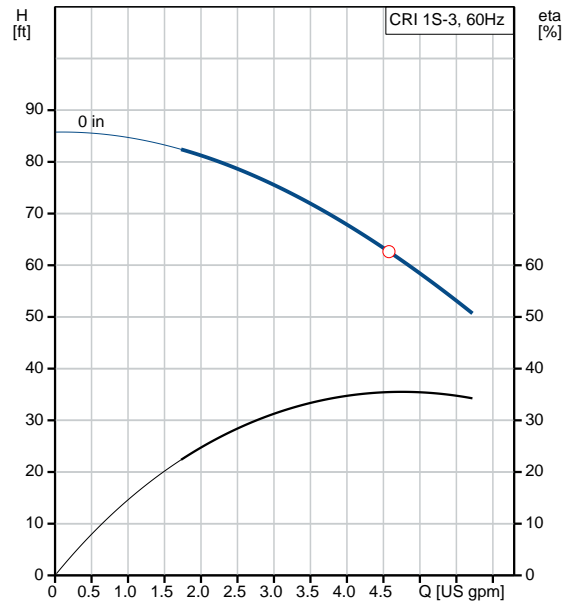
Maximum ambient temperature: 104 °F  
 Max pressure at stated temperature: 363 psi / 194 °F  
 363 psi / -4 °F  
 Type of connection: FlexiClamp  
 Connect code: CA  
 Size of inlet connection: DN 32  
 Size of suction port: 1 1/4 inch  
 Size of outlet connection: DN 32  
 Size of outlet port: 1 1/4 inch  
 Pressure rating: PN 25  
 Flange size for motor: 56C

**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: 0.33 HP  
 Power (P2) required by pump: 0.33 HP  
 Main 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:

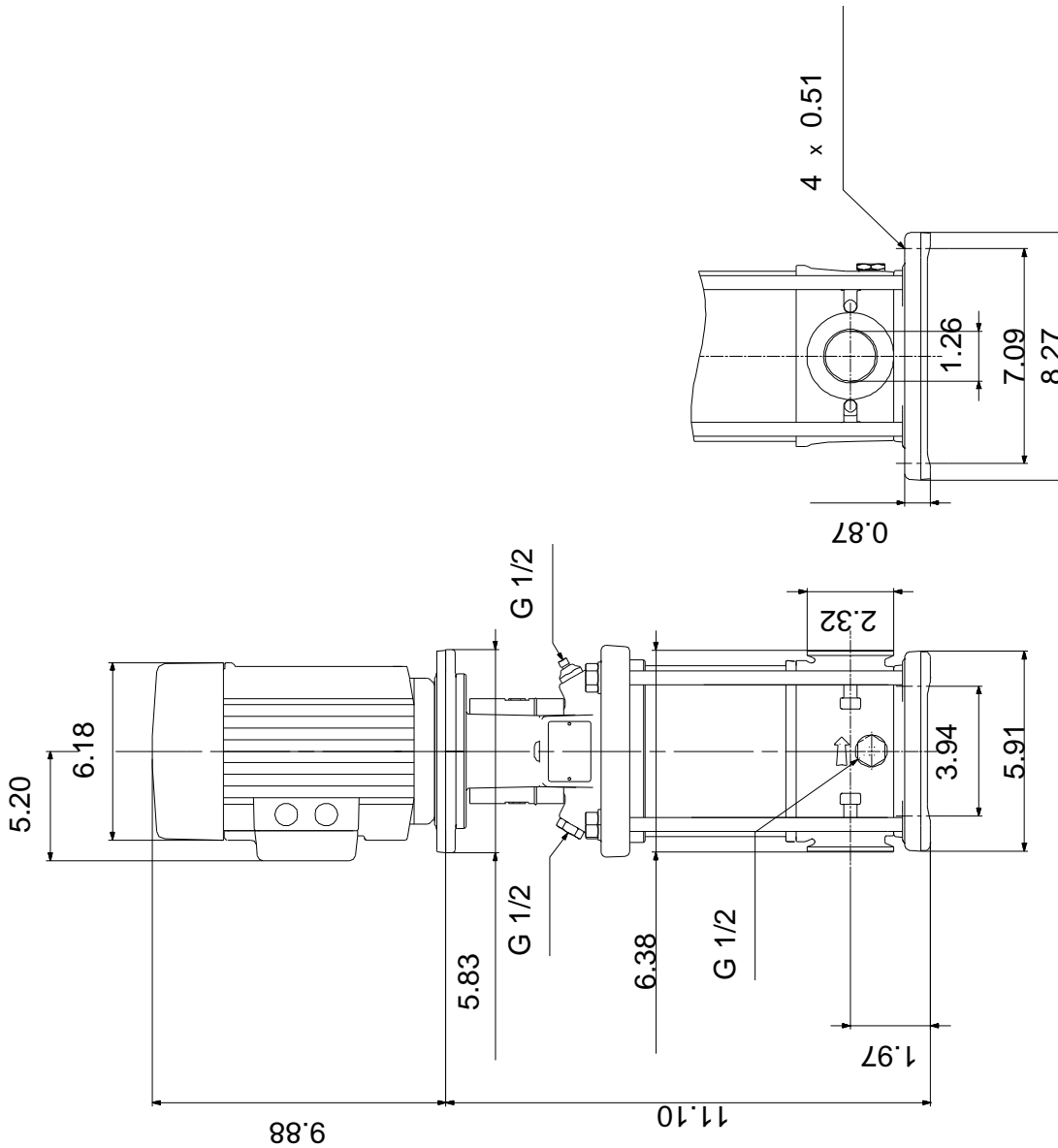
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Date:

2/20/2018

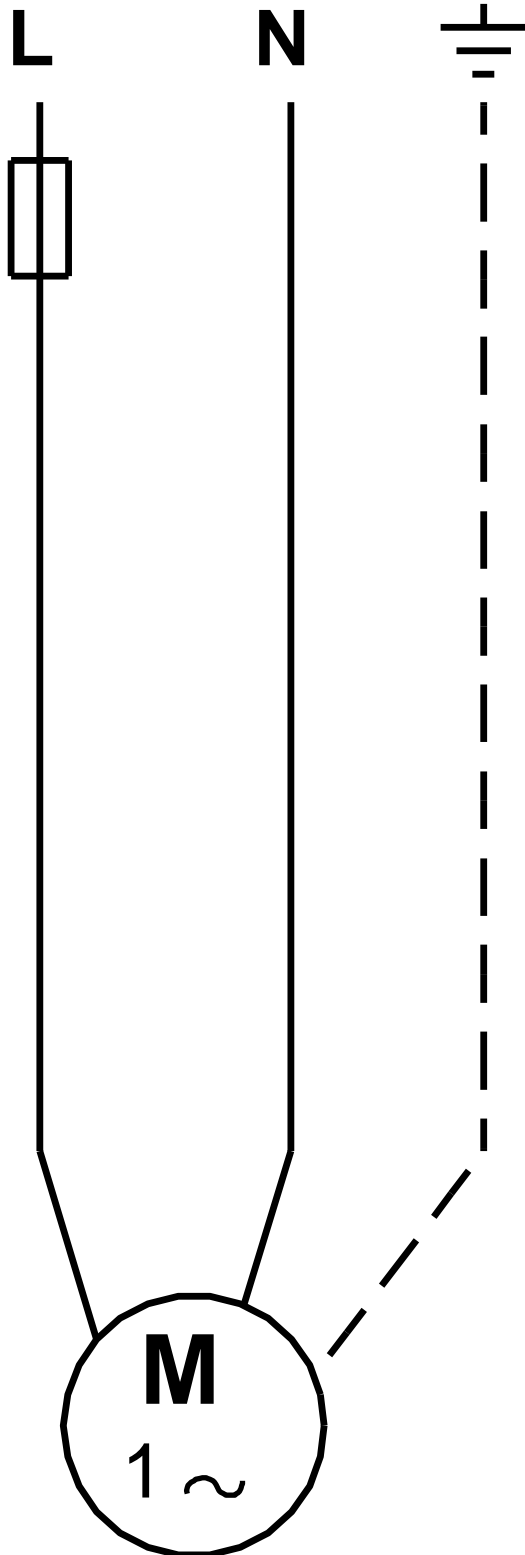
Description	Value
Rated speed:	3450 rpm
Number of poles:	2
Insulation class (IEC 85):	B
Motor Number:	85680001
<b>Controls:</b>	
Frequency converter:	NONE
<b>Others:</b>	
Net weight:	43.9 lb
Gross weight:	54.9 lb
Shipping volume:	4.94 ft <sup>3</sup>

**96081307 CRI 1S-3 60 Hz**



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

**96081307 CRI 1S-3 60 Hz**



All units are [mm] unless otherwise presented.



Company name:

Created by:

Phone:

Date: 2/20/2018

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**Order Data:**

Product name: CRI 1S-3 A-CA-I-V-HQQV

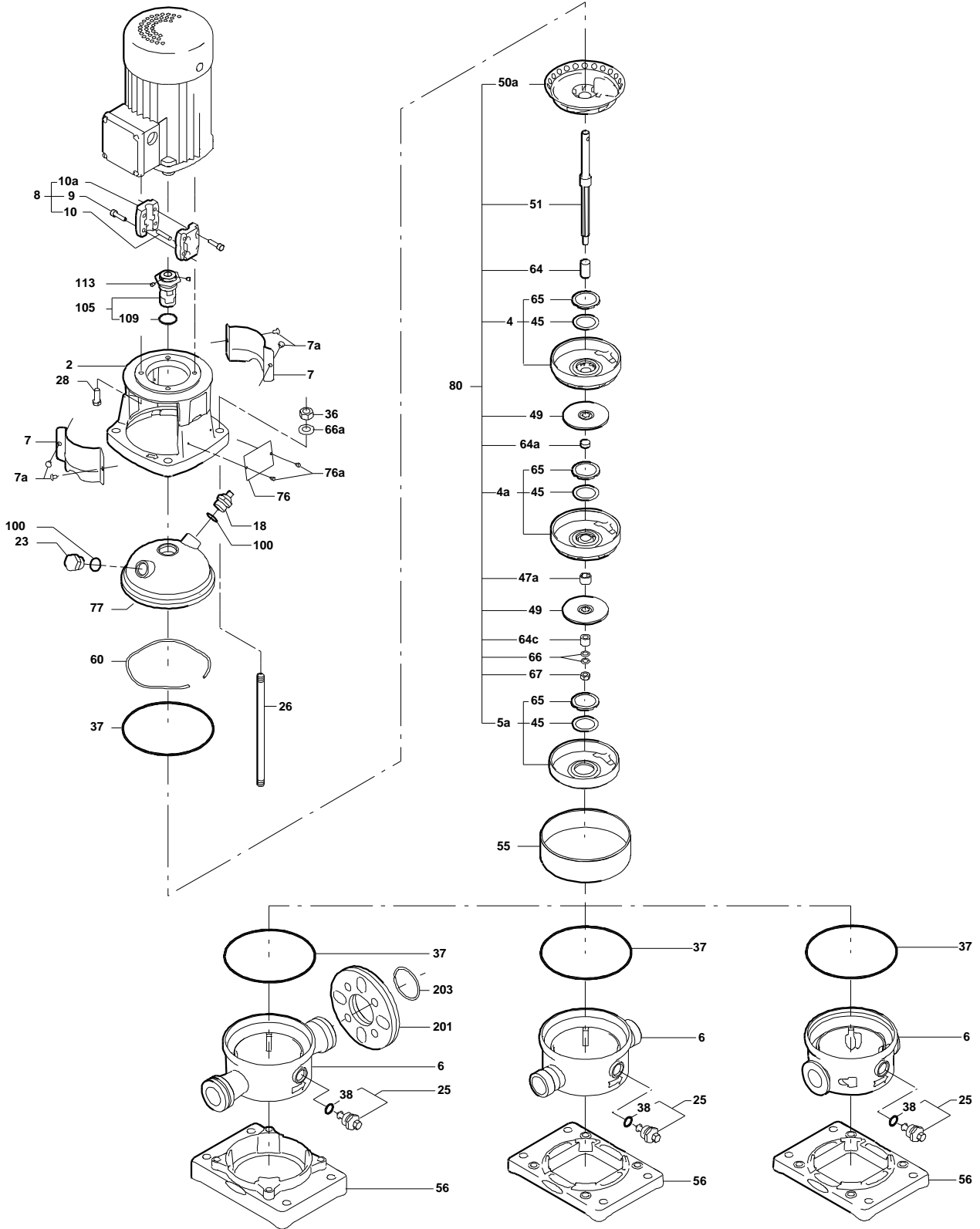
Amount: 1

Product No.: 96081307

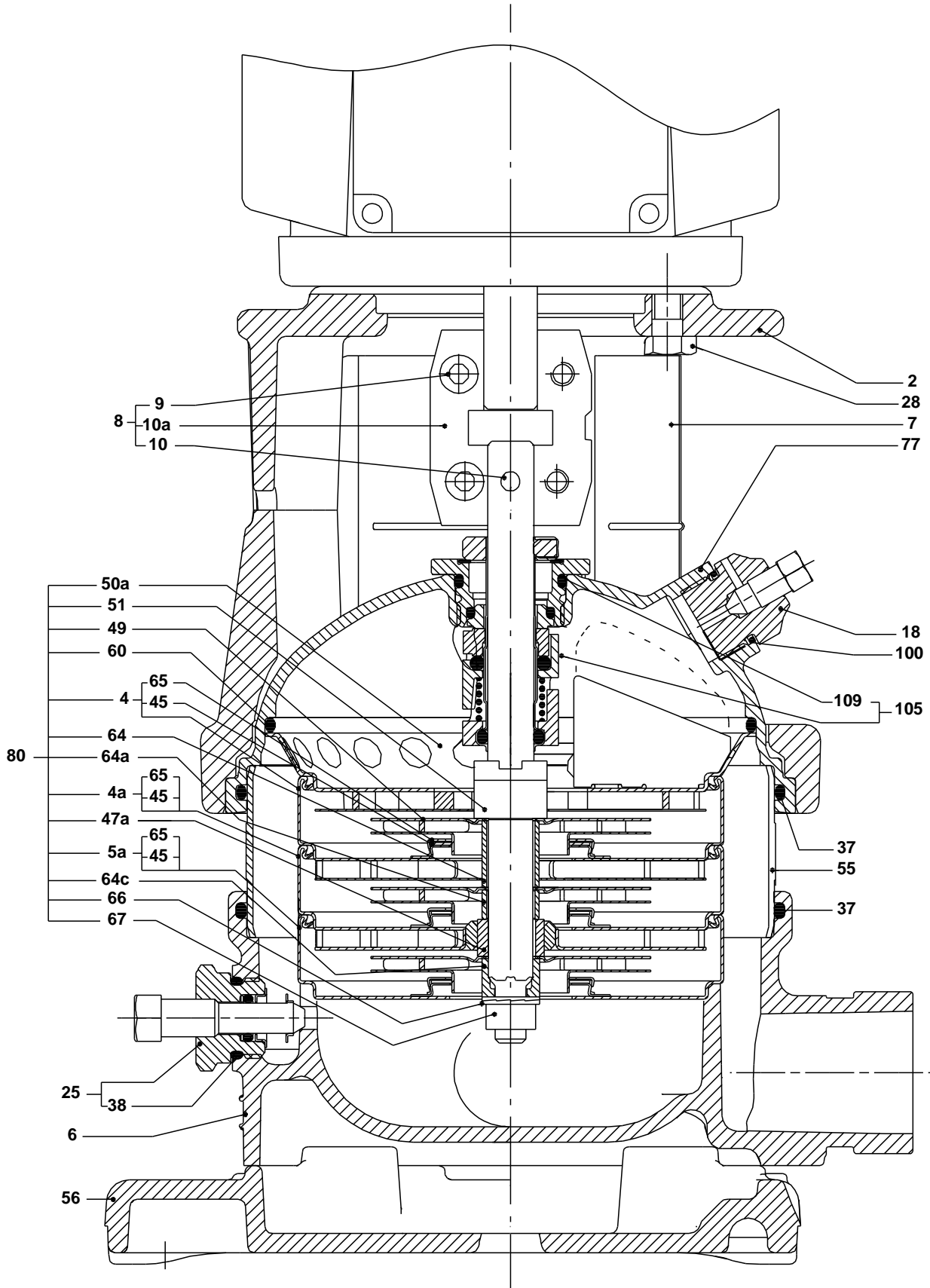
Total: Price on request

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## Exploded view (TM02 0212 4100)



Sectional drawing (TM02 0215 4100)



TM02

**Parts list CRI 1S-3, Prod number 96081307**  
**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 3/8"			
60	Formed wire spring				1	
77	Pump cover				1	
+ 8	Coupling cpl.				1	pcs
26	Staybolt		Length: 151		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
-	Guide vane cpl.				1	
	Plate					
50a	Guide vane					
50b	Top plate					
- 4	Chamber cpl.				1	
	Guide vane					
	Plate					
	Retainer					
	Intermediate chamber					
	Vane					
45	Neck ring					
65	Retainer					
- 4a	Chamber w. bearing cpl.				1	
	Guide vane					
	Retainer for bearing					
	Bearing bush					

Position	Description	Annotation	Classification data	Part No.	Count	Unit
	Retainer					
	Intermediate chamber					
	Vane					
45	Neck ring					
65	Retainer					
- 5a	Chamber cpl.				1	
	Retainer					
	Intermediate chamber					
	Vane					
45	Neck ring					
65	Retainer					
36	Lock nut		Thread: M8		1	
47a	Bearing ring, rotating				1	
- 49	Impeller cpl.				3	
49	Impeller					
51	Shaft, spline, cpl.				1	
64a	Spacing pipe				1	
64a	Spacing pipe		Inner diameter: 12,85		1	
			Outer diameter: 15,85			
			Length: 4,50			
64c	Clamp, splined		Inner diameter: 8,5		1	
			Outer diameter: 15			
66	Wedge lock washer				1	
- 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	