

**Date**

January 28, 2026

**Owner**

Seeley County Water District  
1898 W Main Street  
Seeley CA 92273

Booster Pump System with VFD

**ITEM TO BE BID – Booster Pump System (Summary)**

Contractor shall evaluate the existing booster pump system, which has been modified and no longer conforms to the original specifications.

Work includes inspecting the pump and motor and performing performance testing to verify flow rate, discharge pressure (PSI), and electrical current draw. Test results shall be documented to determine the pump's output capacity, efficiency, and remaining service life.

Based on the evaluation, contractor shall determine whether the existing unit can remain in service or if replacement is necessary. If replacement is recommended, the contractor may include a proposed booster pump system under the additive bid. Reference data specifications for the originally sized unit are provided for guidance; contractor may use the referenced unit or propose an equivalent system that meets or exceeds the required performance criteria.

Submittal Data Sheet (8 pages)

# Submittal Data

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

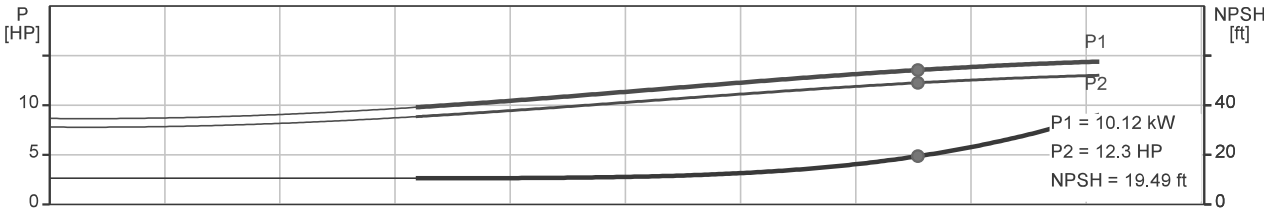
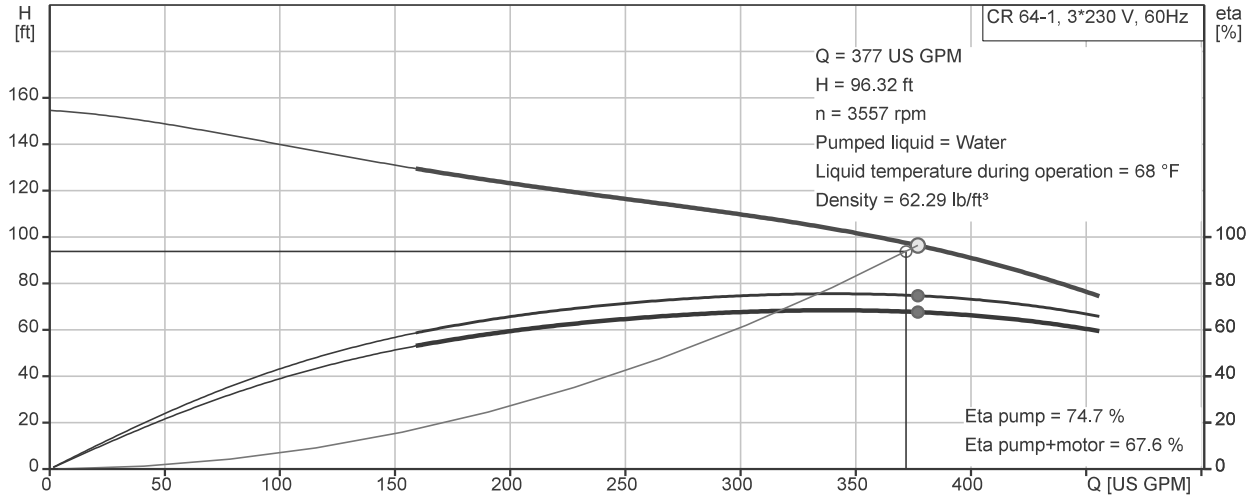


## CR 64-1 A-G-A-E-HQQE

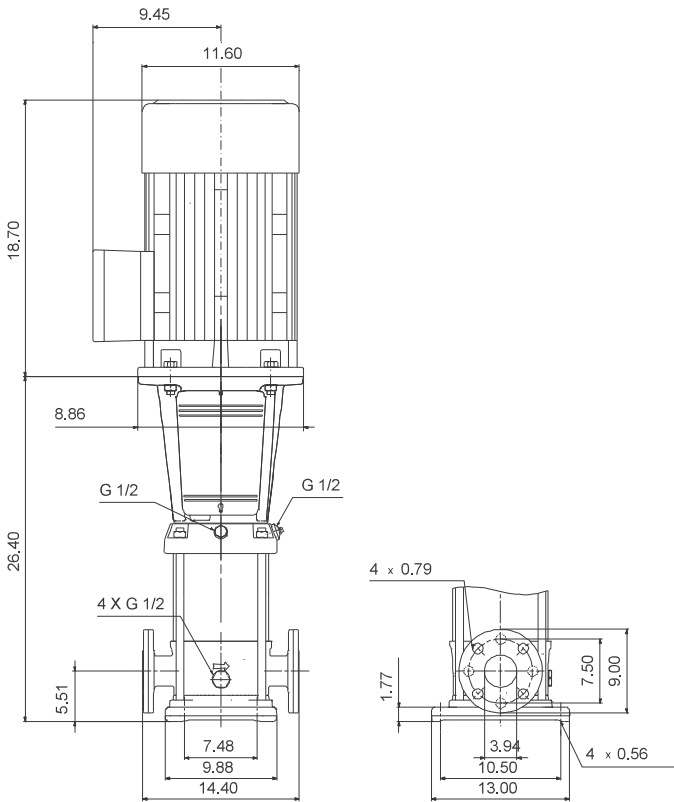
Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron - all other wetted parts are in stainless steel (EN 1.4301)

Note! Product picture may differ from actual product

Conditions of Service		Pump Data		Motor Data	
Flow:	377 US GPM	Max pressure at stated temp:	232 psi / 250 °F	Rated power - P2:	15 HP
Head:	96.32 ft	Liquid temperature range:	-22 .. 248 °F	Rated voltage:	230/460 V
Efficiency:	67.6 %	Maximum ambient temperature:	104 °F	Mains frequency:	60 Hz
Liquid:	Water	Shaft seal:	HQQE	Enclosure class:	IP21
Temperature:	68 °F	Product number:	99918307	Insulation class:	F
NPSH required:	19.49 ft			Motor protection:	NONE
Specific Gravity:	1.000			Motor type:	WEG
				Eta 1/1:	90.2 %



# Submittal Data



**Materials:**  
 Base: Cast iron  
 EN 1563 EN-GJS-500-7  
 ASTM A536 80-55-06  
 Impeller: Stainless steel  
 AISI 304  
 EN 1.4301  
 Material code: A  
 Code for rubber: E



Company name:

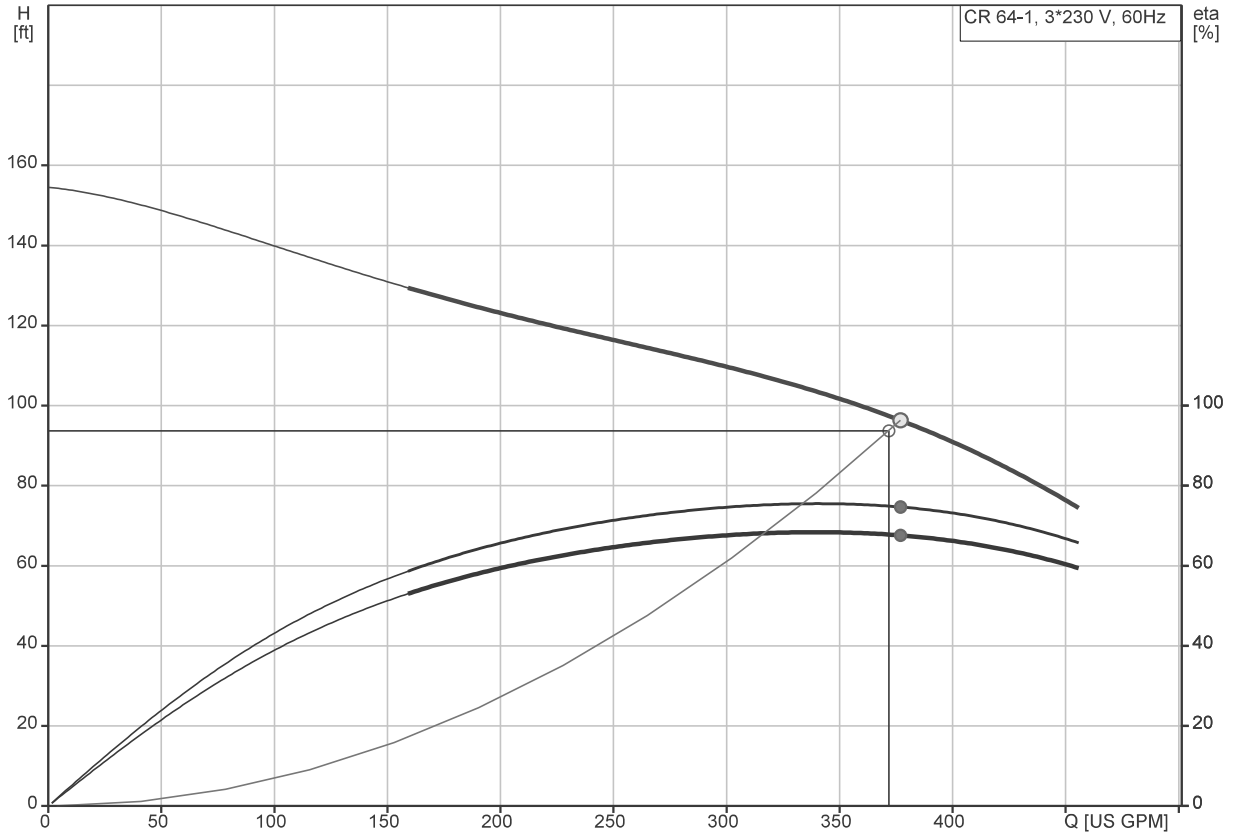
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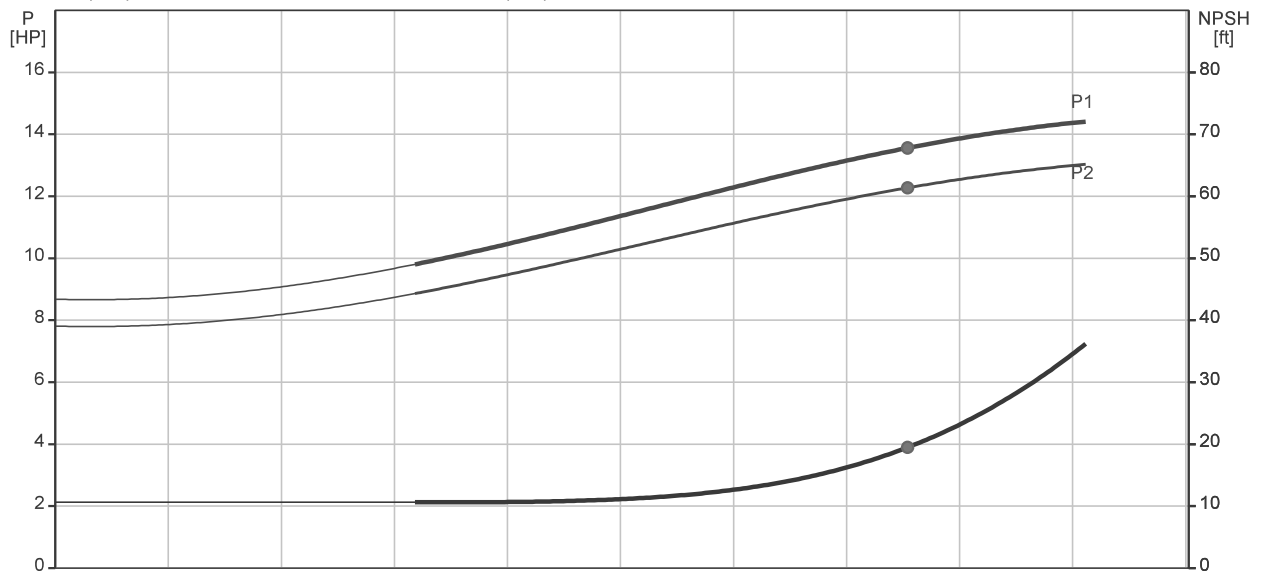
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### 99918307 CR 64-1 A-G-A-E-HQQE 60 Hz



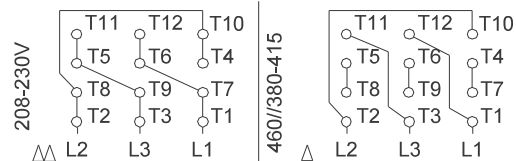
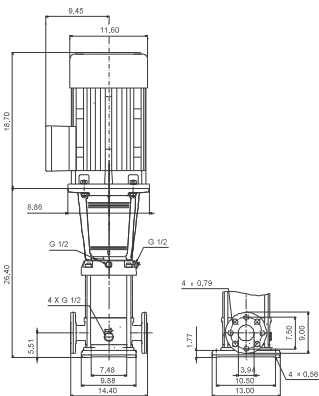
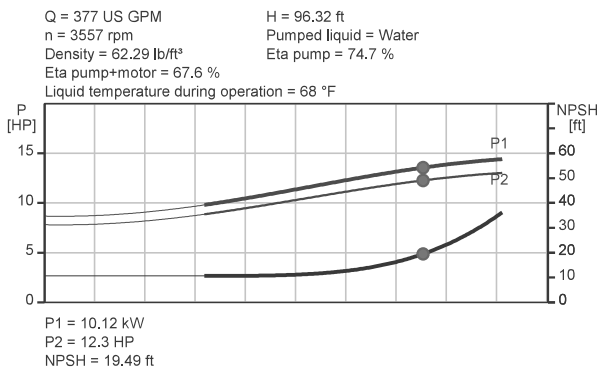
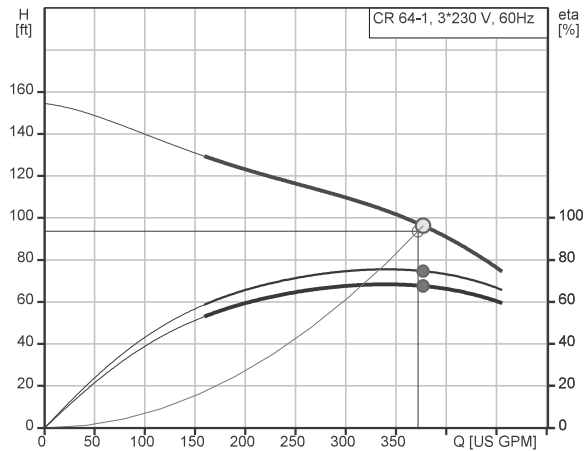
Q = 377 US GPM  
n = 3557 rpm  
Liquid temperature during operation = 68 °F  
Eta pump = 74.7 %

H = 96.32 ft  
Pumped liquid = Water  
Density = 62.29 lb/ft<sup>3</sup>  
Eta pump+motor = 67.6 %



P1 = 10.12 kW  
P2 = 12.3 HP  
NPSH = 19.49 ft

Description	Value
<b>General information:</b>	
Product name:	CR 64-1 A-G-A-E-HQQE
Product No:	99918307
EAN number:	5715114131742
<b>Technical:</b>	
Pump speed on which pump data are based:	3444 rpm
Actual calculated flow:	377 US GPM
Resulting head of the pump:	96.32 ft
Maximum head:	153.9 ft
Actual impeller diameter:	5.59 in
Stages:	1
Impellers:	1
Number of reduced-diameter impellers:	0
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Primary shaft seal:	HQQE
Code for shaft seal:	HQQE
Approvals:	CURUS
Approvals for drinking water:	NSF/ANSI 61
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	B
Cooling:	IC 01
<b>Materials:</b>	
Type key, code for materials:	A
Type key, code for rubber components, E = EPDM, V=FKM:	E
Base:	Cast iron EN 1563 EN-GJS-500-7
Impeller:	Stainless steel ASTM A536 80-55-06 EN 1.4301 AISI 304
Material code:	A
Code for rubber:	E
Bearing:	SIC
Support bearing:	Graflon
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Maximum operating pressure:	232.06 psi
Max pressure at stated temp:	232 psi / 250 °F 232 psi / -22 °F
Type key, code for pipework connection:	G
Type of connection:	ANSI
Size of inlet connection:	4 inch
Size of outlet connection:	4 inch
Pressure rating for connection:	PN 16
Flange rating inlet:	150 lb
Flange size for motor:	254TC
Connect code:	G
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-22 .. 248 °F
Selected liquid temperature:	68 °F





Company name:

Created by:

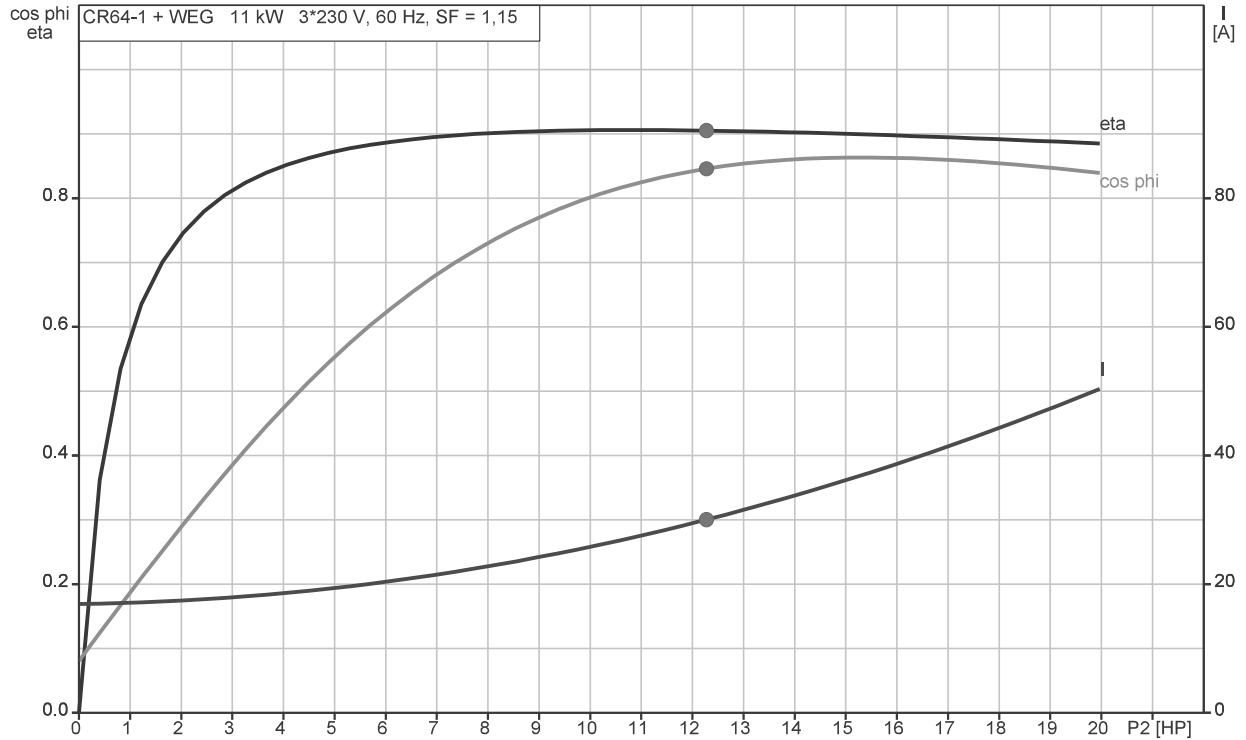
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Date:

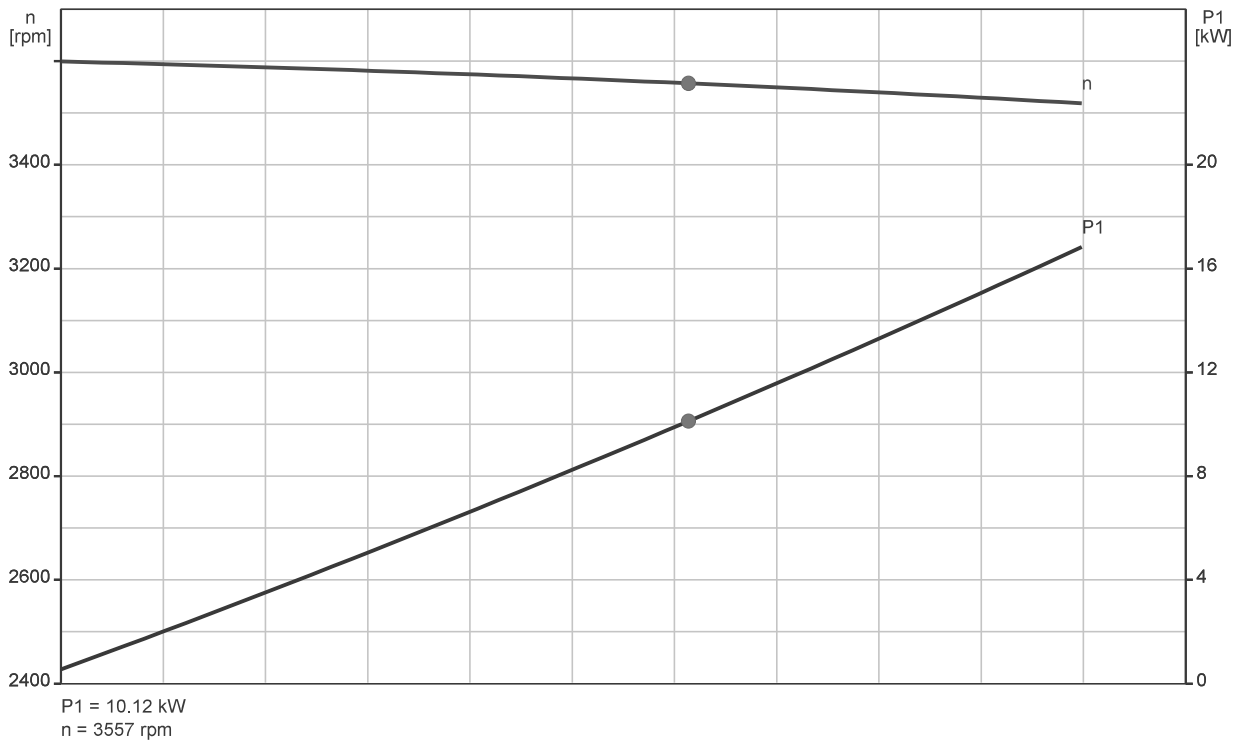
14/01/2026

Description	Value
Density:	62.29 lb/ft <sup>3</sup>
<b>Electrical data:</b>	
Motor standard:	NEMA
Motor type:	WEG
Rated power - P2:	15 HP
Power (P2) required by pump:	15 HP
KVA code:	G
Mains frequency:	60 Hz
Rated voltage:	3 x 230/460 V
Service factor:	1.15
Rated current:	35.2/17.6 A
Starting current:	750 %
SF current:	40.5/20.2 A
Cos phi - power factor:	0.87
Rated speed:	3545 rpm
IE efficiency:	IE3 90,2%
IE Efficiency class:	IE3 / NEMA Premium
Motor efficiency at full load:	90.2 %
Motor efficiency at 3/4 load:	90.2 %
Motor efficiency at 1/2 load:	90.2 %
Number of poles:	2
Enclosure class (IEC 34-5):	IP21
Insulation class (IEC 85):	F
Built-in motor protection:	NONE
Motor No:	99882382
<b>Controls:</b>	
Frequency converter:	None
<b>Others:</b>	
DOE Pump Energy Index CL:	0.93
Net weight:	339 lb
Gross weight:	357 lb
Shipping volume:	28,9 ft <sup>3</sup>
Country of origin:	US
Custom tariff no.:	8413.70.2040

## 99918307 CR 64-1 A-G-A-E-HQQE 60 Hz

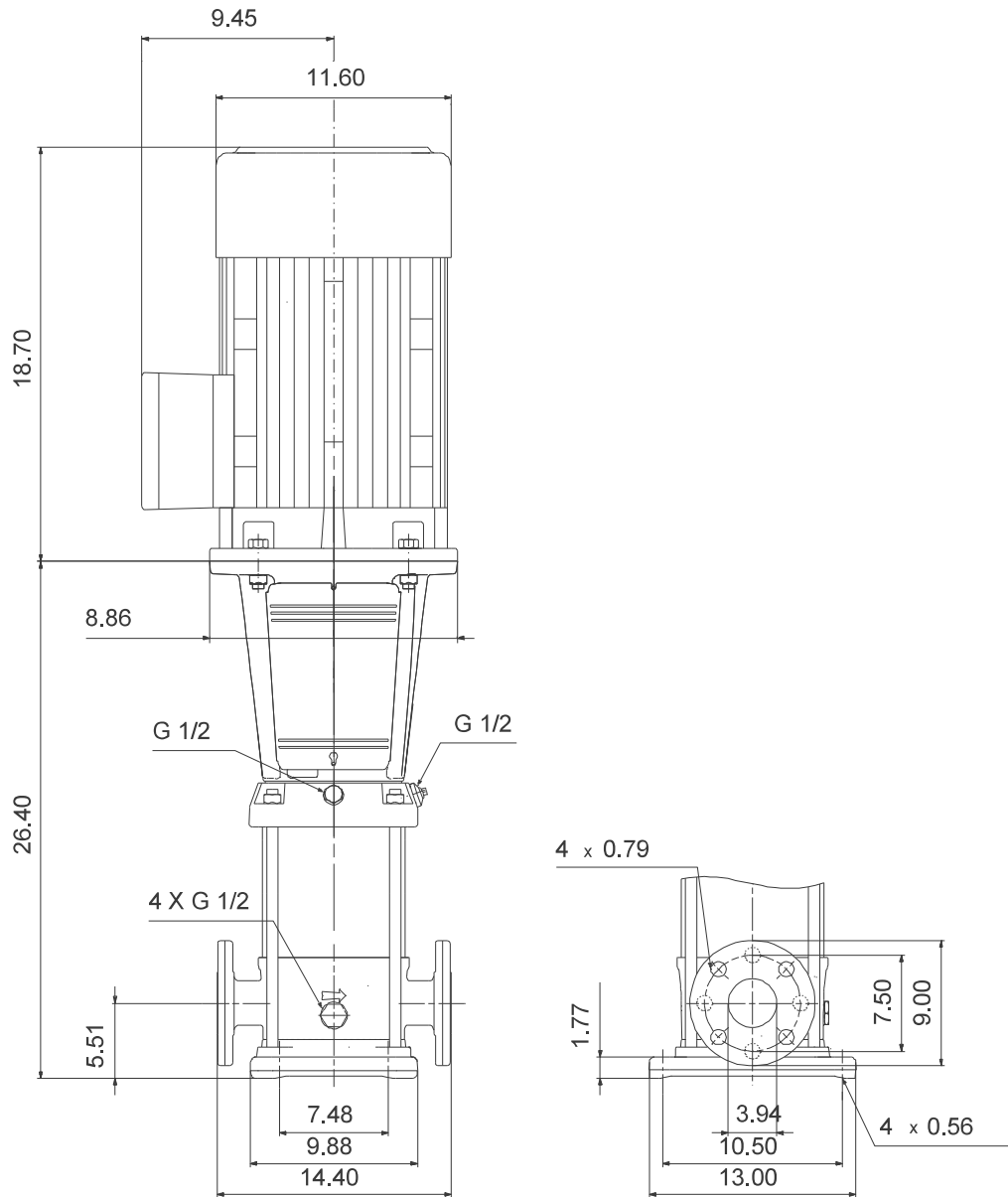


P2 = 12.3 HP  
 cos phi = 0,85  
 Eta = 90.5 %  
 I = 30.03 A



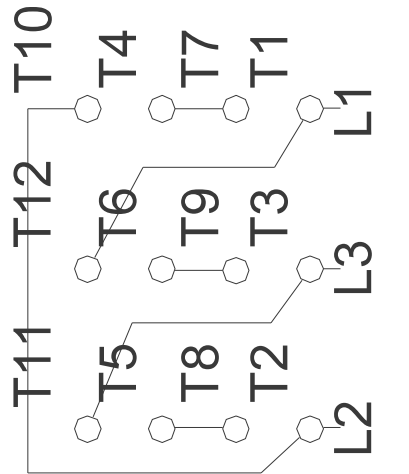
P1 = 10.12 kW  
 n = 3557 rpm

## 99918307 CR 64-1 A-G-A-E-HQQE 60 Hz

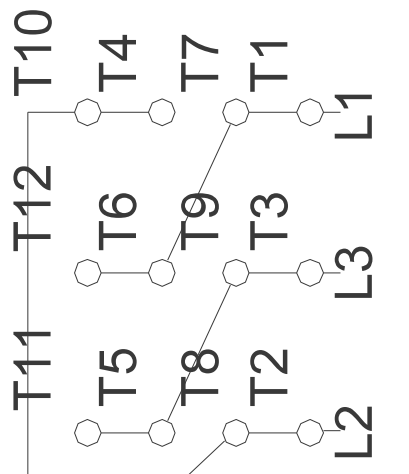


Note! All units are in [in] unless others are stated.  
Disclaimer: This simplified dimensional drawing does not show all details.

## 99918307 CR 64-1 A-G-A-E-HQQE 60 Hz



460//380-415



208-230V

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