### **Submittal Data**

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



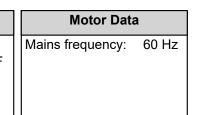
### Hydro Multi-E 3 CRE 20-1 UK A-A-A-U-A

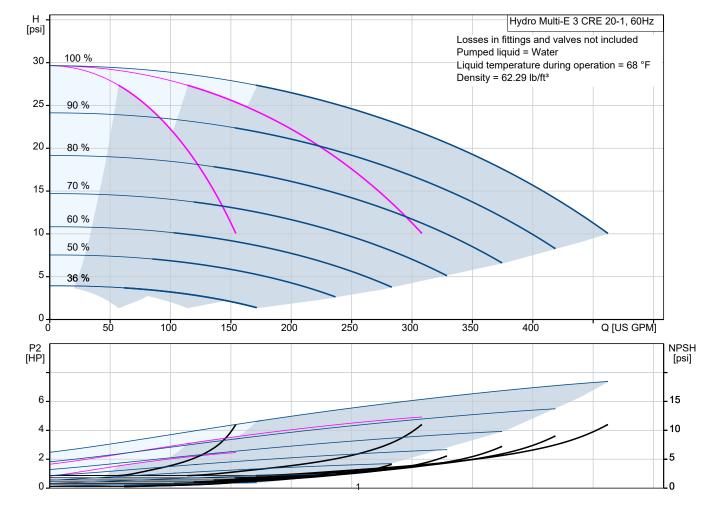
Compact pump system with energy efficient integrated VFD/ECM motors with one motor having graphical interface controller for control of pump system. Available with 2-3 parallel connected pumps, single point power connection, and dual master motors for complete pump system control redundancy.

Note! Product picture may differ from actual product

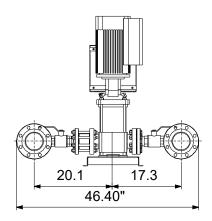
| of Service |
|------------|
| %          |
| Water      |
| 68 °F      |
| psi        |
| 1.000      |
|            |

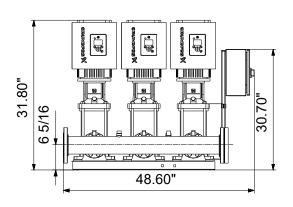
| Pump Data                    |             |
|------------------------------|-------------|
| Maximum operating pressure:  | 232.06 psi  |
| Liquid temperature range:    | 41 179.6 °F |
| Maximum ambient temperature: | 104 °F      |
| Product number:              | 99445662    |
|                              |             |





# Submittal Data





Materials:

Pump housing: Cast iron



**Date:** 20/08/2025

Project:

Reference Number:

Client: Client Number:

Contact:

#### Qty. | Description

Hydro Multi-E 3 CRE 20-1 UK A-A-A-U-A



Note! Product picture may differ from actual product

Product No.: 99445662

A Grundfos Hydro Multi-E booster set consists of two to three variable-speed CR pumps (CRE pumps). Each CRE pump is equipped with an integrated variable frequency drive motor (MLE motor).

- Hydro Multi-E maintains constant pressure through continuous adjustment of pump speed.
- The system performance is adjusted to the demand by starting and stopping the required number of pumps and through parallel control of the pumps in operation.
- Pump cascade control is based on first on/first off to ensure equal pump wear.
- All pumps in operation will run at equal speed.

Grundfos Hydro Multi-E booster sets are designed for pressure boosting of clean water in residential and commercial buildings, municipal, industrial and irrigation applications.

All motors are capable of system control and two outlet sensors are mounted on the outlet manifold as a standard. This allows 100 % system control redundancy.

The system consists of these parts:

- single-point power connection: Disconnect panel with individual pump disconnector inside panel -advanced control interface: System controller installed in one pump
  - Inlet and outlet manifolds are made of 316 stainless steel.
  - Base frame is made of 304 stainless steel.
  - One non-return valve (check valve) and two isolating valves for each pump.
  - adapter with isolating valve for connection of diaphragm tank
  - pressure gauge on inlet and outlet manifolds
  - pressure transducer on outlet manifold
  - dry-running protection is standard with use of differential pressure switch on inlet manifold
  - Grundfos bus communication with optional gateway connections for LON, Modbus, Profibus, BACnet, GSM.

When delivered, the Grundfos Hydro Multi-E booster set is factory tested and ready for operation.

Diaphragm tank is available as an accessory.

Controls:

Dry running protection: Pressure switch

Liquid:

Pumped liquid: Water

Liquid temperature range: 41 .. 179.6 °F

Selected liquid temperature: 68 °F
Density: 62.29 lb/ft³



**Date:** 20/08/2025

Project: Client:

Reference Number: Client Number: Contact:

#### Qty. | Description

1 Technical:

Rated flow: 334 US GPM
Rated head: 21.42 psi
Main pump type: CRE 20-1

Materials:

Pump housing: Cast iron
Manifold: Stainless steel

Installation:

Maximum ambient temperature: 104 °F
Maximum operating pressure: 232.06 psi
Maximum permissible inlet pressure: 116.03 psi

Manifold inlet: 4" ANSI Manifold outlet: 4" ANSI

Electrical data:

Power (P2) main pump: 3 HP
Mains frequency: 60 Hz
Rated voltage: 3 x 208-230 V

Rated current: 24.9 A
Method of start: E

Radio interference supression: IEC/CISPR 11-1B

Number of phases of main pump: 3

Tank:

Diaphragm tank: No

Others:

Net weight: 669 lb Gross weight: 954 lb Shipping volume: 158 ft³ Country of origin: US

Custom tariff no.: 8413.70.2040



Company name: Created by:

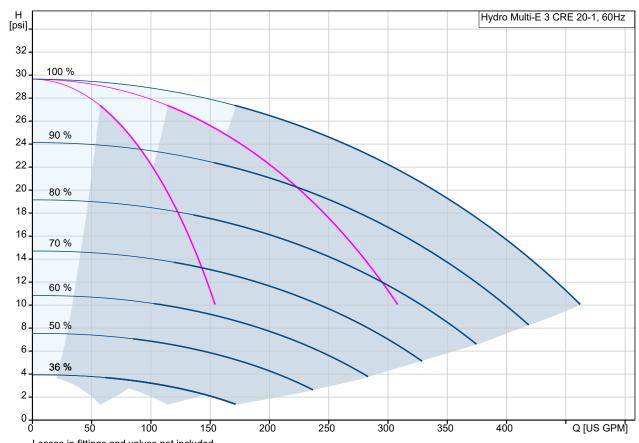
Phone:

**Date:** 20/08/2025

Project: Client:

Reference Number: Client Number: Contact:

### 99445662 Hydro Multi-E 3 CRE 20-1 UK A-A-A-U-A 60 Hz

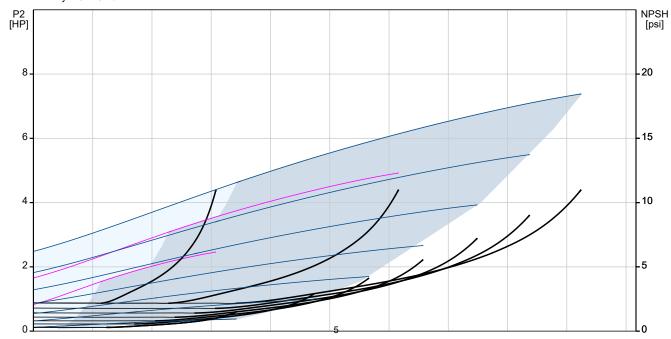


Losses in fittings and valves not included

Pumped liquid = Water

Liquid temperature during operation = 68 °F

Density = 62.29 lb/ft<sup>3</sup>





20/08/2025 Date:

**Project:** 

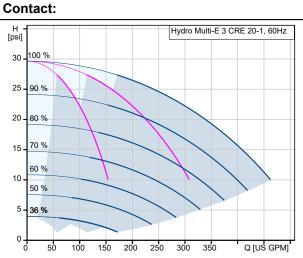
**Reference Number:** 

Client: **Client Number:** 

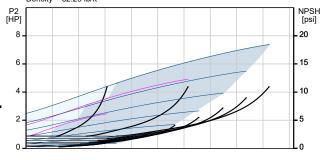
| Description                         | Value                                    |
|-------------------------------------|--|
| General information:                |  |
| Product name:                       | Hydro Multi-E 3 CRE 20-1 UK<br>A-A-A-U-A |
| Product No:                         | 99445662                                 |
| EAN number:                         | 5713829247185                            |
| Technical:                          |  |
| Rated flow:                         | 334 US GPM                               |
| Min flow system:                    | 0 US GPM                                 |
| Max flow system:                    | 449 US GPM                               |
| Rated head:                         | 21.42 psi                                |
| Maximum head:                       | 28.96 psi                                |
| Number of pumps:                    | 3  |
| Main pump type:                     | CRE 20-1                                 |
| Materials:                          |  |
| Pump housing:                       | Cast iron                                |
| Manifold:                           | Stainless steel                          |
| Installation:                       |  |
| Maximum ambient temperature:        | 104 °F                                   |
| Maximum operating pressure:         | 232.06 psi                               |
| Maximum permissible inlet pressure: | 116.03 psi                               |
| Manifold inlet:                     | 4" ANSI                                  |
| Manifold outlet:                    | 4" ANSI                                  |
| Liquid:                             |  |
| Pumped liquid:                      | Water                                    |
| Liquid temperature range:           | 41 179.6 °F                              |
| Selected liquid temperature:        | 68 °F                                    |
| Density:                            | 62.29 lb/ft³                             |
| Electrical data:                    |  |
| Power (P2) main pump:               | 3 HP                                     |
| Mains frequency:                    | 60 Hz                                    |
| Rated voltage:                      | 3 x 208-230 V                            |
| Rated current:                      | 24.9 A                                   |
| Method of start:                    | E  |
| Radio interference supression:      | IEC/CISPR 11-1B                          |
| Number of phases of main pump:      | 3  |

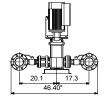
| Product name:                       | Hydro Multi-E 3 CRE 20-1 UK<br>A-A-A-U-A |
|-------------------------------------|--|
| Product No:                         | 99445662                                 |
| EAN number:                         | 5713829247185                            |
| Technical:                          |  |
| Rated flow:                         | 334 US GPM                               |
| Min flow system:                    | 0 US GPM                                 |
| Max flow system:                    | 449 US GPM                               |
| Rated head:                         | 21.42 psi                                |
| Maximum head:                       | 28.96 psi                                |
| Number of pumps:                    | 3  |
| Main pump type:                     | CRE 20-1                                 |
| Materials:                          |  |
| Pump housing:                       | Cast iron                                |
| Manifold:                           | Stainless steel                          |
| Installation:                       |  |
| Maximum ambient temperature:        | 104 °F                                   |
| Maximum operating pressure:         | 232.06 psi                               |
| Maximum permissible inlet pressure: | 116.03 psi                               |
| Manifold inlet:                     | 4" ANSI                                  |
| Manifold outlet:                    | 4" ANSI                                  |
| Liquid:                             |  |
| Pumped liquid:                      | Water                                    |
| Liquid temperature range:           | 41 179.6 °F                              |
| Selected liquid temperature:        | 68 °F                                    |
| Density:                            | 62.29 lb/ft³                             |
| Electrical data:                    |  |
| Power (P2) main pump:               | 3 HP                                     |
| Mains frequency:                    | 60 Hz                                    |
| Rated voltage:                      | 3 x 208-230 V                            |
| Rated current:                      | 24.9 A                                   |
| Method of start:                    | E  |
| Radio interference supression:      | IEC/CISPR 11-1B                          |
|                                     |  |

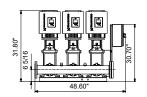
| Controls:               |                 |
|-------------------------|-----------------|
| Dry running protection: | Pressure switch |
| Tank:                   |                 |
| Diaphragm tank:         | No              |
| Others:                 |                 |
| Net weight:             | 669 lb          |
| Gross weight:           | 954 lb          |
| Shipping volume:        | 158 ft³         |
| Sales region:           | Namreg          |
| Country of origin:      | US              |
| Custom tariff no.:      | 8413.70.2040    |

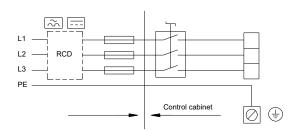


Losses in fittings and valves not included Pumped liquid = Water Liquid temperature during operation = 68 °F Density = 62.29 lb/ft³









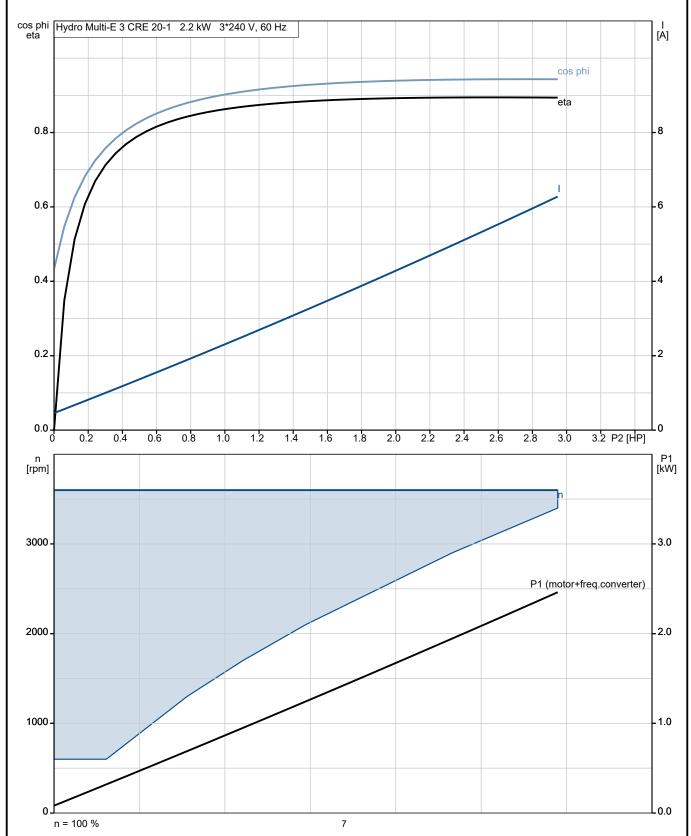


**Date:** 20/08/2025

Project: Client:

Reference Number: Client Number: Contact:

### 99445662 Hydro Multi-E 3 CRE 20-1 UK A-A-A-U-A 60 Hz





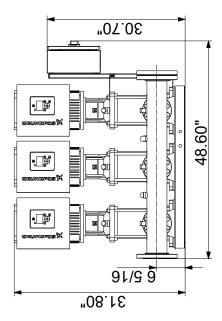
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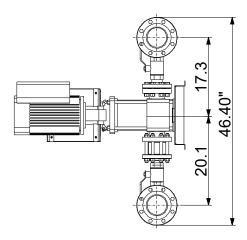
20/08/2025 Date:

**Project:** 

**Reference Number: Client Number: Contact:** 

## 99445662 Hydro Multi-E 3 CRE 20-1 UK A-A-A-U-A 60 Hz





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

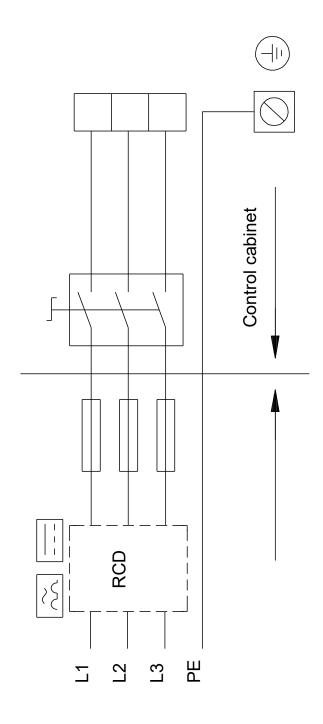


**Date:** 20/08/2025

Project: Client:

Reference Number: Client Number: Contact:

## 99445662 Hydro Multi-E 3 CRE 20-1 UK A-A-A-U-A 60 Hz



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