

Submittal Data

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

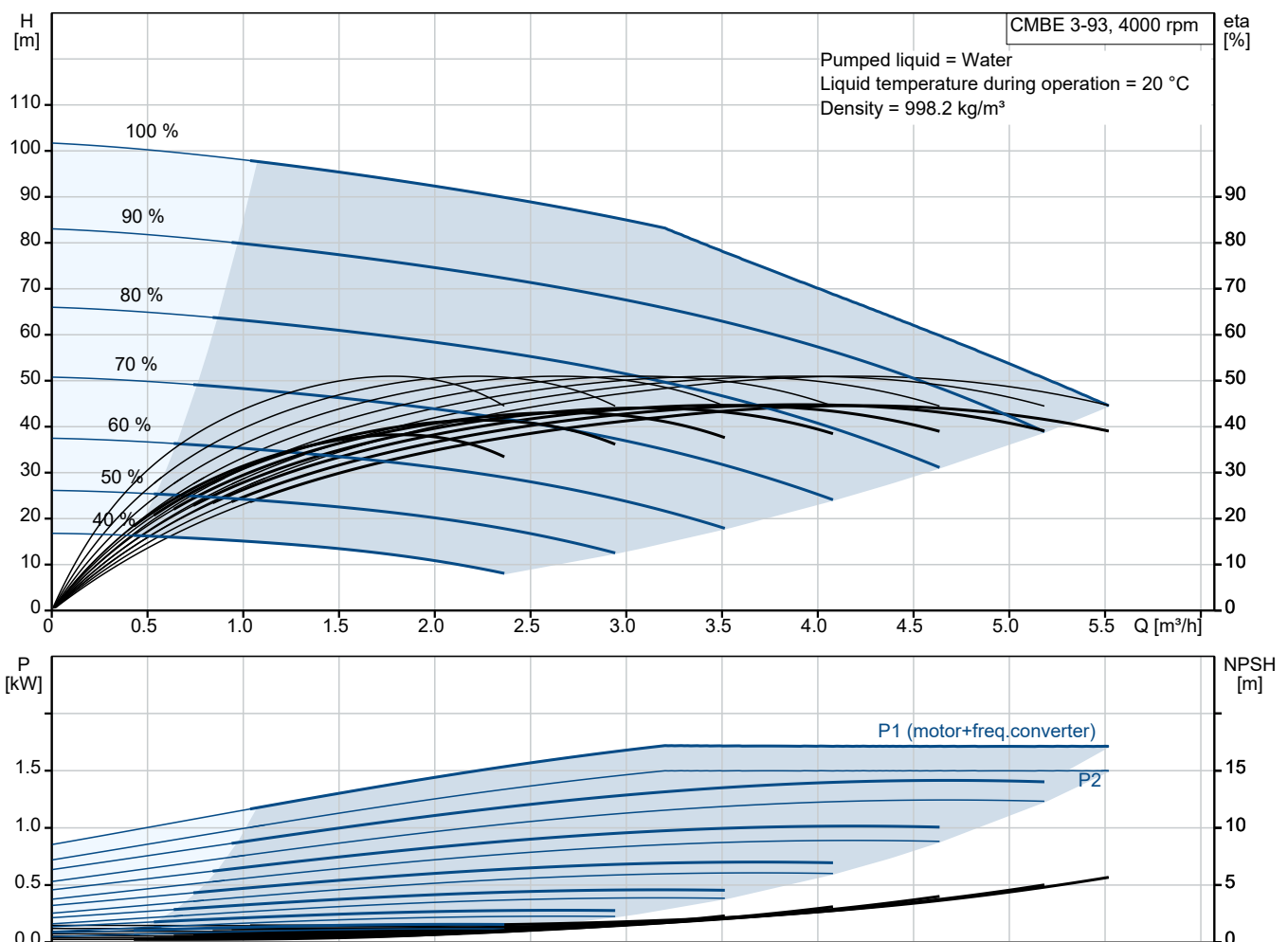


CMBE 3-93 I-U-A-E-D-E

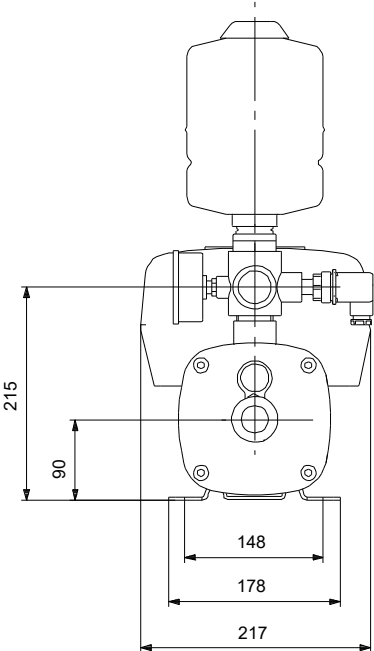
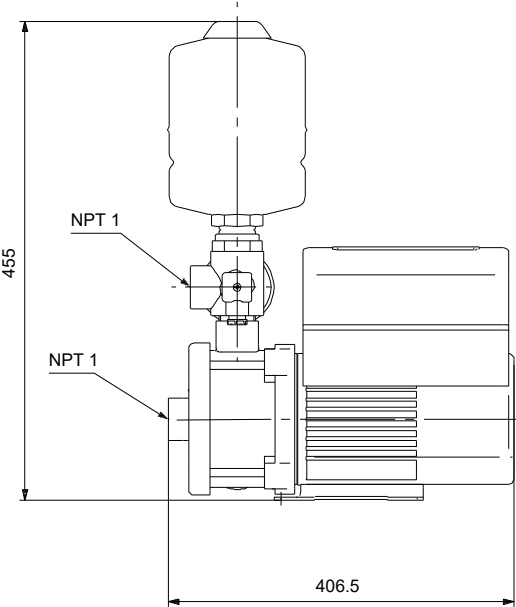
CMBE is a high-efficiency compact booster suitable for clean water supply and pressure boosting in domestic and light commercial applications. It keeps constant pressure via the integrated speed control.

Note! Product picture may differ from actual product

| Conditions of Service | | Pump Data | | Motor Data | |
|-----------------------|-------|------------------------------|------------|------------------|-------|
| Liquid: | Water | Liquid temperature range: | 0 .. 60 °C | Mains frequency: | 50 Hz |
| Temperature: | 20 °C | Maximum ambient temperature: | 50 °C | Enclosure class: | IP55 |
| Specific Gravity: | 1.000 | Shaft seal: | AQQE | | |
| | | Product number: | On request | | |



Submittal Data



- Materials:**
- Pump housing: Stainless steel
 - Pump housing: AISI 304
 - Impeller: Stainless steel
 - Impeller: AISI 304
 - Impeller: EN 1.4301
 - Code for rubber: EPDM

Qty. Description

1 CMBE 3-93 I-U-A-E-D-E



Note! Product picture may differ from actual product

Product No.: On request

The Grundfos CMBE booster is a compact booster system for water supply in domestic applications. The integrated speed controller enables the CMBE booster to keep constant pressure in the pipe system. A pressure sensor monitoring changes in the water consumption signals the speed controller to change motor speed to adapt performance to the new state.

The CMBE booster is very easy to install. When the system has been connected to the pipes, it is all a matter of inserting the plug into a power supply socket, and the system is operational.

The CMBE booster consists of the following:

- CME pump with integrated frequency converter
- Five-way valve
- expansion tank
- pressure gauge

The Grundfos CMBE booster requires no external motor protection.

The MGE motor incorporates thermal protection against slow overloading and blocking (IEC 34.11: TP 211).

The Grundfos CMBE booster is mainly used for domestic and light commercial water supply or booster systems.

NB:

Suction lift: maximum 1 m, including inlet pipe pressure loss at a liquid temperature of 20 °C (not self-priming).

Controls:

Type of connector: No plug

Frequency converter: Built-in

Liquid:

Pumped liquid: Water

Liquid temperature range: 0 .. 60 °C

Selected liquid temperature: 20 °C

Density: 998.2 kg/m³

Technical:

Pump speed on which pump data are based: 3868 rpm

Rated flow: 4.2 m³/h

Rated head: 66.3 m

Code for shaft seal: AQQE

Approvals: cULus

Approvals for drinking water: CULUS DW NSF61

Curve tolerance: ISO9906:2012 3B

Return valve: YES

Start pressure: Integrated Frequency converter

Materials:

Pump housing: Stainless steel

EN 1.4301



Company name:

Created by:

Phone:

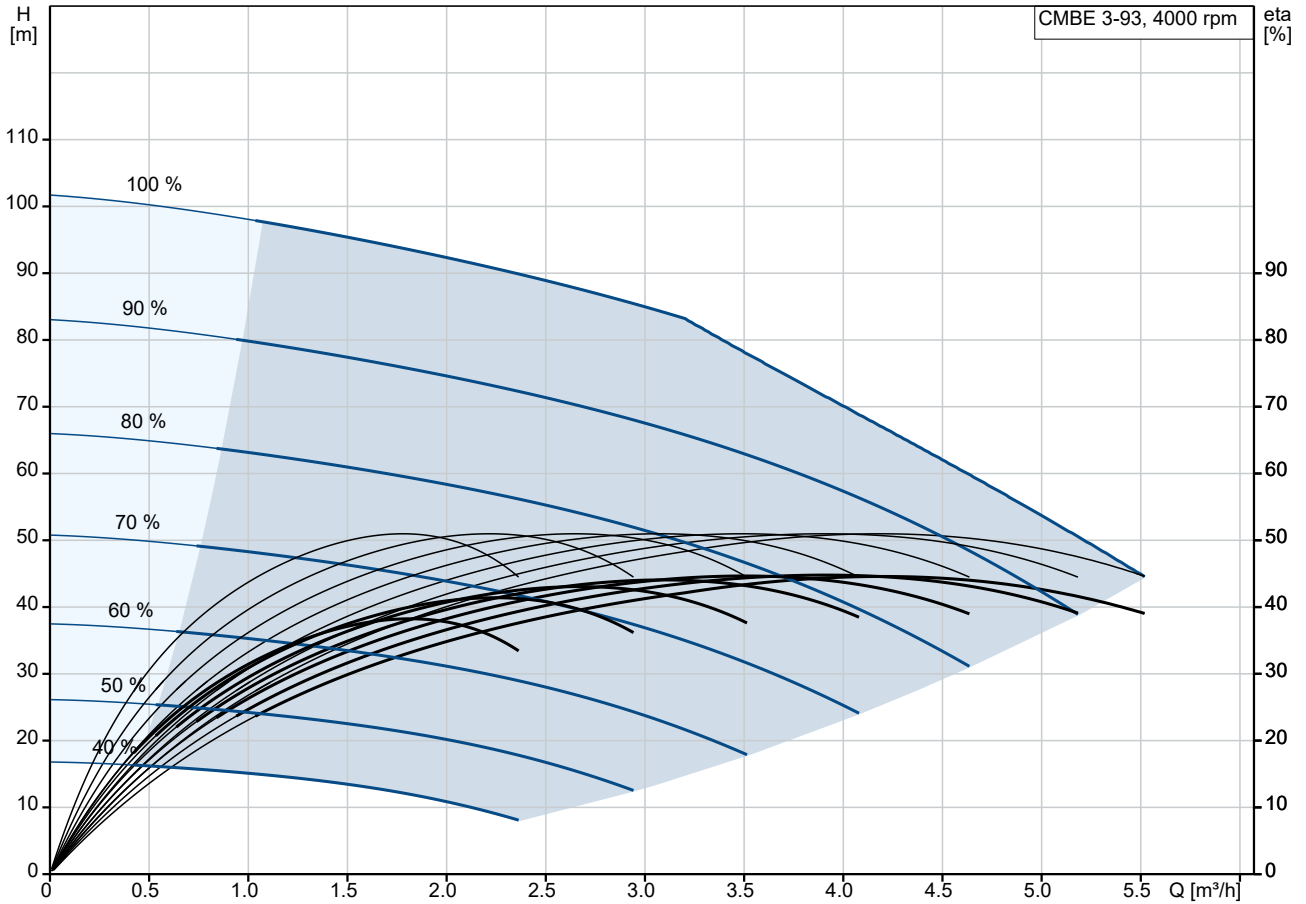
Date:

08/08/2024

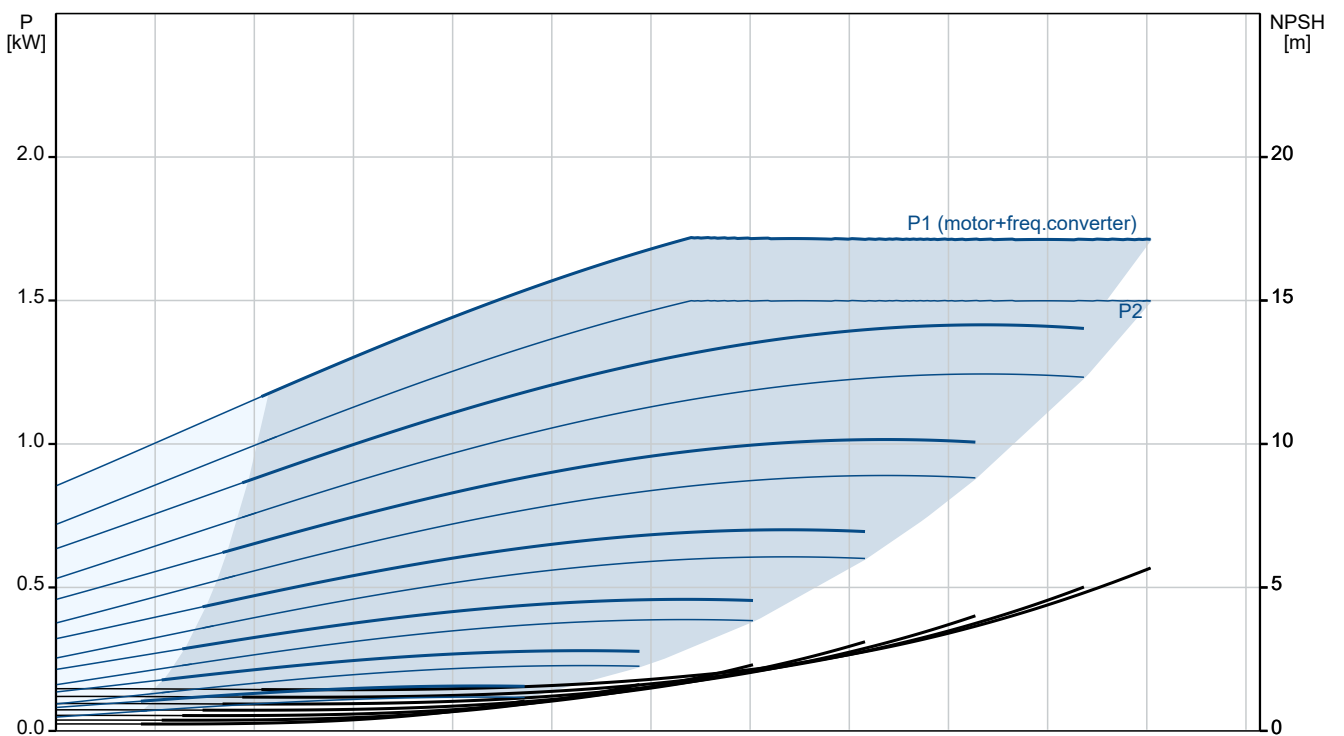
Qty. Description

| | | |
|---|---------------------------------|--|
| 1 | Impeller: | AISI 304 Stainless steel EN 1.4301 AISI 304 |
| | Installation: | |
| | Maximum ambient temperature: | 50 °C |
| | Maximum operating pressure: | 10 bar |
| | Pipe connection standard: | ANSI B1.20.1 |
| | Type of inlet connection: | NPT(M) |
| | Type of outlet connection: | NPT(F) |
| | Size of inlet connection: | 1 |
| | Size of outlet connection: | 1 |
| | Pressure rating for connection: | PN 10 |
| | Electrical data: | |
| | Rated power - P2: | 1.5 kW |
| | Mains frequency: | 50 Hz |
| | Rated voltage: | 1 x 200-240 V |
| | Maximum current consumption: | 9.1-7.6 A |
| | Rated speed: | 360-4000 rpm |
| | Enclosure class (IEC 34-5): | IP55 |
| | Insulation class (IEC 85): | F |
| | Length of cable: | No cable m |
| | Power plug: | No plug |
| | Tank: | |
| | Tank volume: | 2 l |
| | Others: | |
| | Net weight: | 19.7 kg |
| | Gross weight: | 29.5 kg |
| | Shipping volume: | 0.159 m ³ |

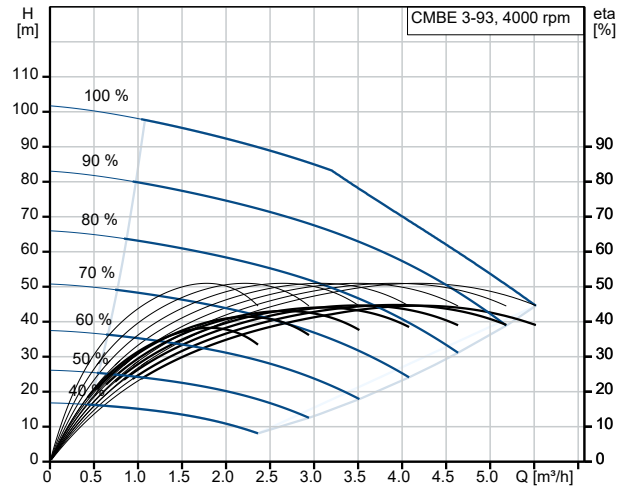
On request CMBE 3-93 I-U-A-E-D-E 50 Hz



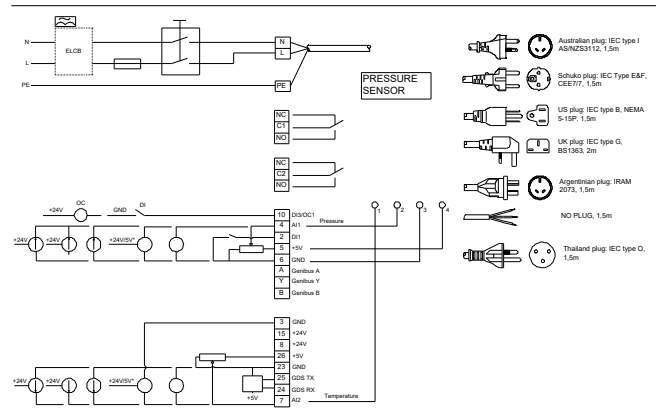
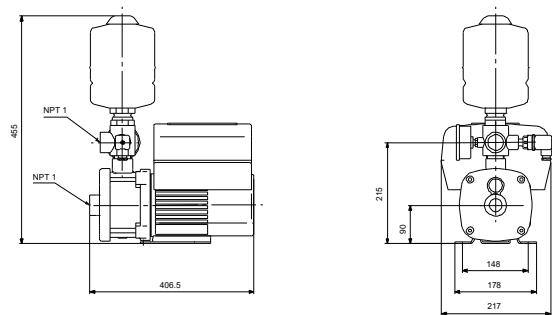
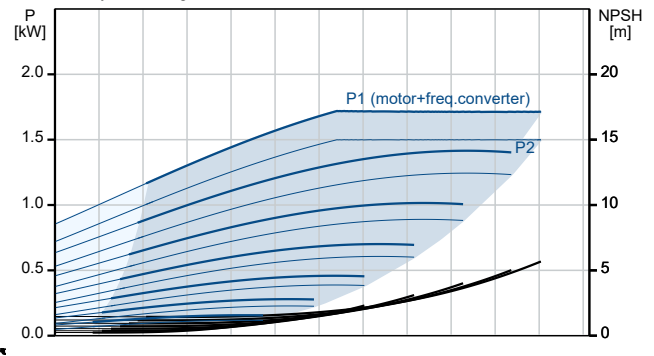
Pumped liquid = Water
Liquid temperature during operation = 20 °C
Density = 998.2 kg/m³



| Description | Value |
|--|--------------------------------|
| General information: | |
| Product name: | CMBE 3-93 I-U-A-E-D-E |
| Product No: | On request |
| EAN number: | On request |
| Technical: | |
| Pump speed on which pump data are based: | 3868 rpm |
| Rated flow: | 4.2 m ³ /h |
| Rated head: | 66.3 m |
| Impellers: | 6 |
| Code for shaft seal: | AQQE |
| Approvals: | cULus |
| Approvals for drinking water: | CULUS DW NSF61 |
| Curve tolerance: | ISO9906:2012 3B |
| Model: | A |
| Return valve: | YES |
| Start pressure: | Integrated Frequency converter |
| Materials: | |
| Pump housing: | Stainless steel |
| Pump housing: | EN 1.4301 |
| Pump housing: | AISI 304 |
| Impeller: | Stainless steel |
| Impeller: | EN 1.4301 |
| Impeller: | AISI 304 |
| Code for rubber: | EPDM |
| Installation: | |
| Maximum ambient temperature: | 50 °C |
| Maximum operating pressure: | 10 bar |
| Pipe connection standard: | ANSI B1.20.1 |
| Type of inlet connection: | NPT(M) |
| Type of outlet connection: | NPT(F) |
| Size of inlet connection: | 1 |
| Size of outlet connection: | 1 |
| Pressure rating for connection: | PN 10 |
| Liquid: | |
| Pumped liquid: | Water |
| Liquid temperature range: | 0 .. 60 °C |
| Selected liquid temperature: | 20 °C |
| Density: | 998.2 kg/m ³ |
| Electrical data: | |
| Rated power - P2: | 1.5 kW |
| Mains frequency: | 50 Hz |
| Rated voltage: | 1 x 200-240 V |
| Maximum current consumption: | 9.1-7.6 A |
| Rated speed: | 360-4000 rpm |
| Enclosure class (IEC 34-5): | IP55 |
| Insulation class (IEC 85): | F |
| Length of cable: | No cable m |
| Power plug: | No plug |
| Controls: | |
| Type of connector: | No plug |
| Frequency converter: | Built-in |
| Tank: | |
| Tank volume: | 2 l |
| Others: | |
| Net weight: | 19.7 kg |
| Gross weight: | 29.5 kg |



Pumped liquid = Water
 Liquid temperature during operation = 20 °C
 Density = 998.2 kg/m³





Company name:

Created by:

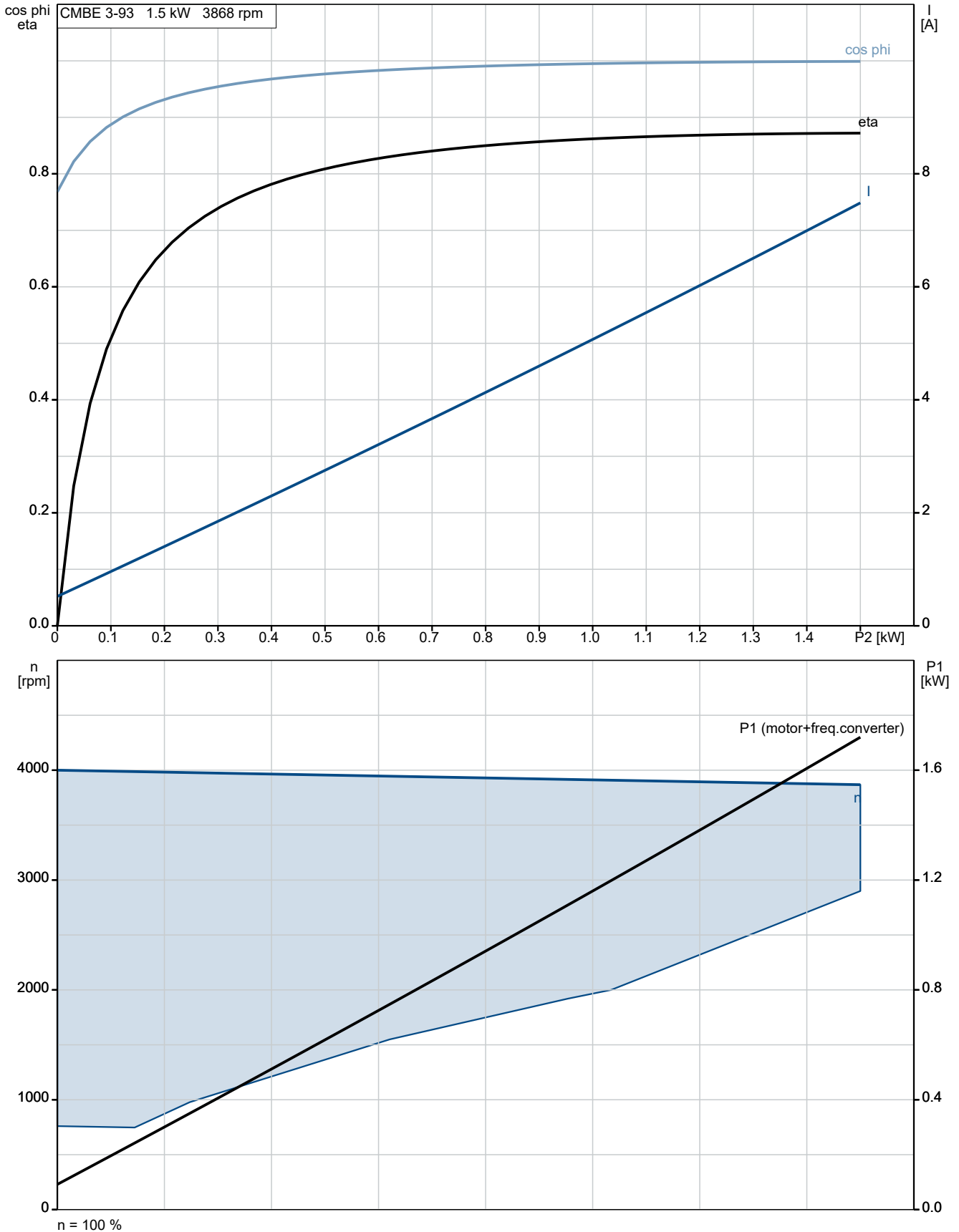
Phone:

Date:

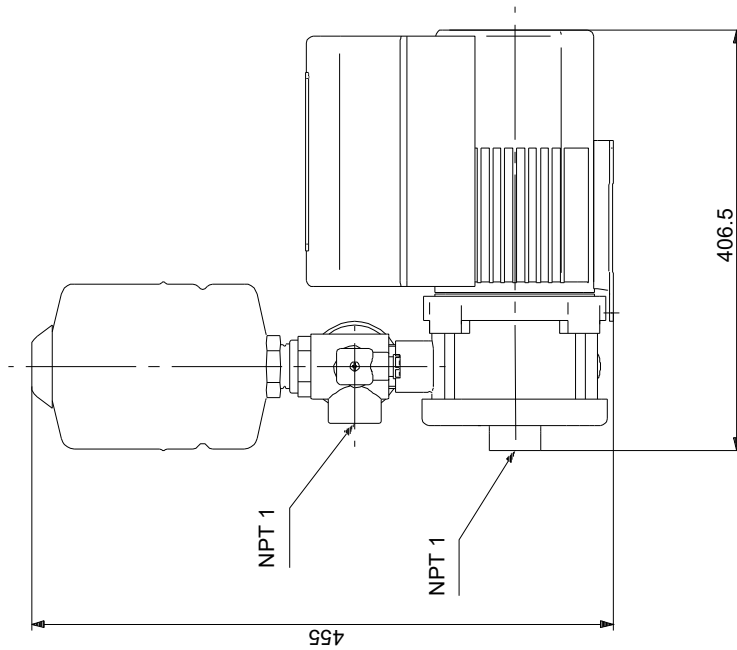
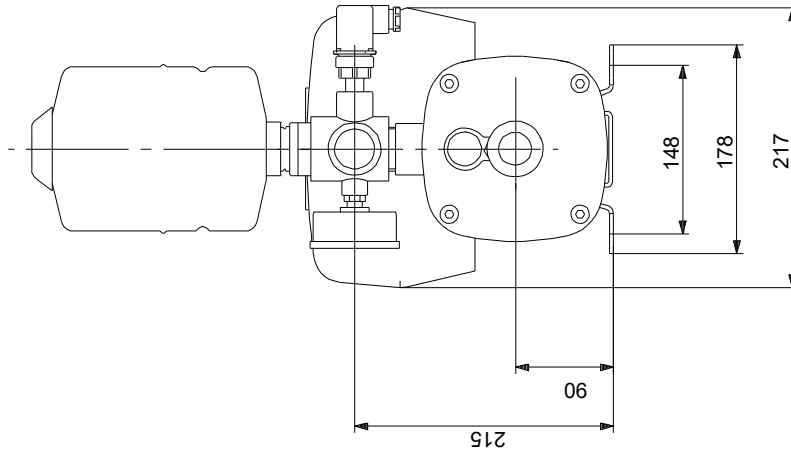
08/08/2024

| Description | Value |
|------------------|----------------------|
| Shipping volume: | 0.159 m ³ |
| Sales region: | Namreg |
| Config. file no: | 98498684 |

On request CMBE 3-93 I-U-A-E-D-E 50 Hz

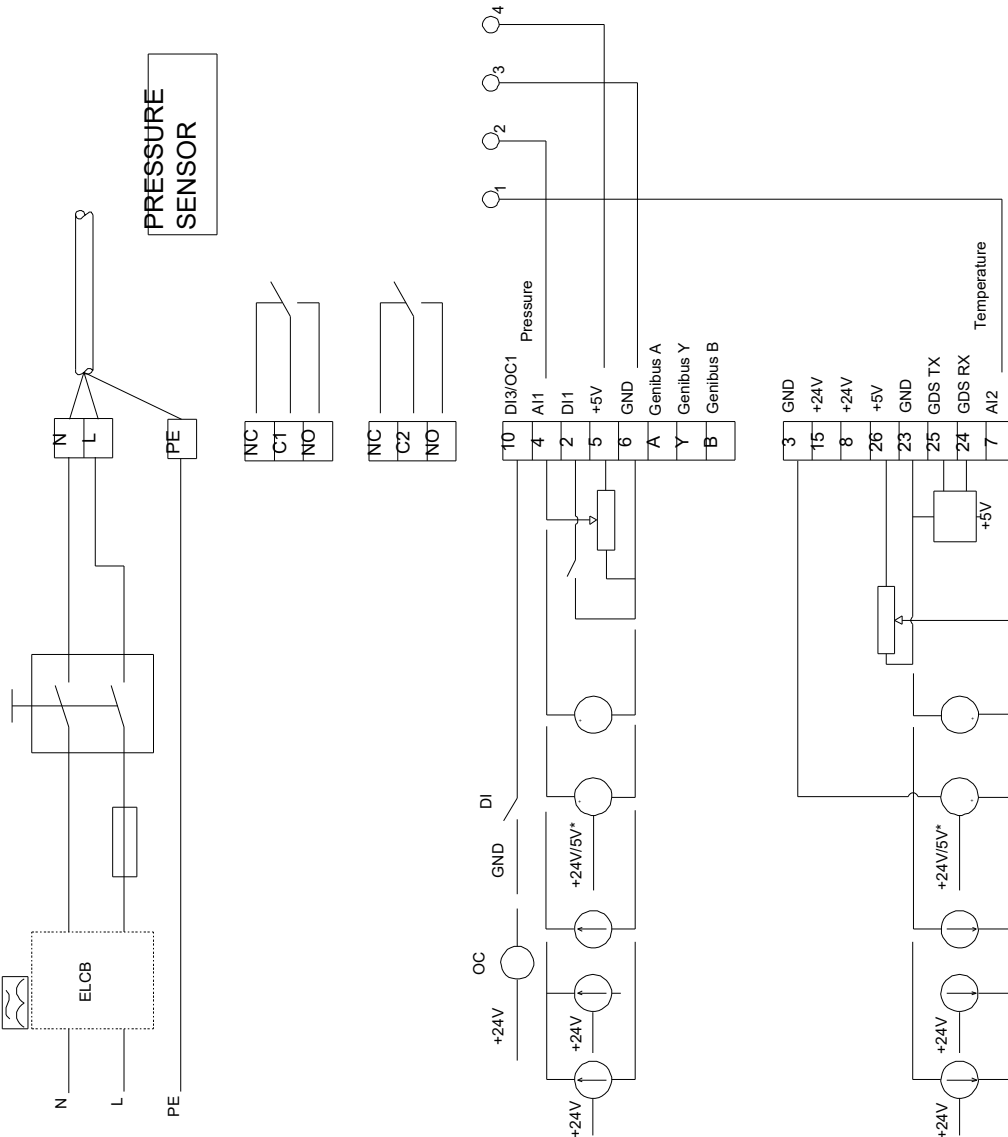
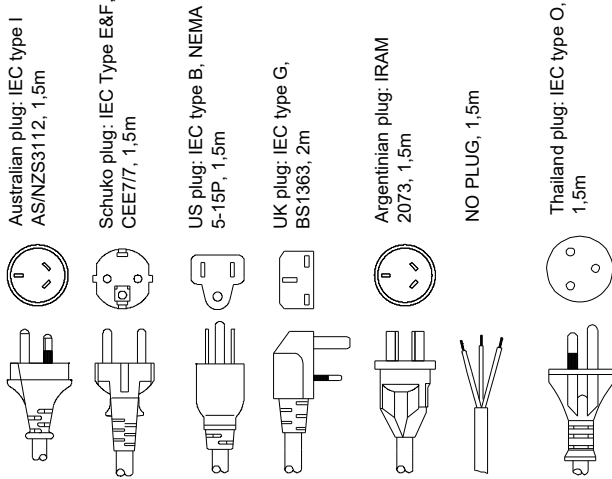


On request CMBE 3-93 I-U-A-E-D-E 50 Hz



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

On request CMBE 3-93 I-U-A-E-D-E 50 Hz



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

