

Company name: Created by: Phone:

**Date:** 04/04/2020

Qty. | Description

1 CMBE TWIN 3-93 I-U-C-C-D-A



Note! Product picture may differ from actual product

Product No.: 99219421

The Grundfos CMBE TWIN Booster is a compact two-booster system for water supply in domestic and commercial applications. The integrated speed controller allows the CMBE Booster to maintain constant pressure in the pipe system. A pressure sensor monitoring changes in the water consumption will signal the speed controller to change the motor speed. This way performance is adjusted according to the new state, thus running in cascade multi pump. The cascade control ensures that the performance of the CMBE Booster is automatically adapted to consumption by switching pumps on or off and by changing the speed of the pumps in operation. The system thus runs as energy-efficiently as possible with a limited number of pumps. The CMBE-TWIN Booster is very easy to install. It has UL approval.

The CME Booster consists of

2 units of CMBE Booster which each include

5-way valve

expansion tank pressure gauge Pressure sensor

**Features** 

Cascade multi pump operation

Automatic pump alternation Constant pressure control

Pipe filling Compact design Robust, stainless steel

Easy installation (Plug & Pump)

Dry run protection

**Applications** 

Apartment buildings

Schools Small hotels Office buildings Agriculture

Thermal protection CME Booster pumps require no external motor protection. The MGE motor incorporates thermal protection against slow overloading and blocking (IEC 34.11: TP211).

NB:

Suction lift: Max. 1 m, including suction-pipepressure loss at a liquid temperature of +20 °C. (not self-priming)

Liquid:



Company name: Created by: Phone:

**Date:** 04/04/2020

Qty. | Description

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 Primary shaft seal: AVBE

Approvals and markings: CE,EAC,MORO Curve tolerance: ISO9906:2012 3B

Start pressure: Integrated Frequency converter

Materials:

Pump housing: Stainless steel

EN 1.4301 AISI 304

Impeller: Stainless steel

DIN W.-Nr. 1.4301

**AISI 304** 

Rubber: EPDM

Installation:

Maximum ambient temperature: 55 °C

Flange standard: WHITWORTH THREAD RP

Pump inlet: Rp 1 Pump outlet: Rp 1

**Electrical data:** 

Rated power - P2: 1.5 kW
Mains frequency: 50 / 60 Hz
Rated voltage: 1 x 200-240 V
Maximum current consumption: 9.10-7.60 A

Enclosure class (IEC 34-5): IP55
Insulation class (IEC 85): F

Type of cable plug: SCHUKO Mains cable: SCHUKO 1.5 m

Tank:

Tank volume: 4 I

Others:

Net weight: 44.3 kg
Gross weight: 52.2 kg
Country of origin: HU
Custom tariff no.: 84137075



Company name: Created by: Phone:

**Date:** 04/04/2020

Description	Value
General information:	
Product name:	CMBE TWIN 3-93
1 Toduct Harrie.	I-U-C-C-D-A
Product No:	99219421
EAN number:	5712608909283
	5712608909283
Price:	4.285,00 EUR
Technical:	
Pump speed on which pump data are	3868 rpm
based:	·
Rated flow:	4.2 m³/h
Rated head:	66.3 m
Impellers:	6
Primary shaft seal:	AVBE
Approvals and markings:	CE,EAC,MORO
Curve tolerance:	ISO9906:2012 3B
Number of pumps:	2
Model:	A
Start pressure:	Integrated Frequency converter
Materials:	
Pump housing:	Stainless steel
	EN 1.4301
	AISI 304
Impeller:	Stainless steel
·	DIN WNr. 1.4301
	AISI 304
Rubber:	EPDM
Installation:	•
Maximum ambient temperature:	55 °C
Maximum ambient temperature: Flange standard:	55 °C WHITWORTH THREAD RP
Flange standard:	WHITWORTH THREAD RP
Flange standard: Pump inlet:	WHITWORTH THREAD RP Rp 1
Flange standard: Pump inlet: Pump outlet:	WHITWORTH THREAD RP
Flange standard: Pump inlet: Pump outlet: Liquid:	WHITWORTH THREAD RP Rp 1 Rp 1
Flange standard:  Pump inlet: Pump outlet:  Liquid:  Pumped liquid:	WHITWORTH THREAD RP Rp 1 Rp 1
Flange standard:  Pump inlet: Pump outlet:  Liquid:  Pumped liquid:  Liquid temperature range:	WHITWORTH THREAD RP Rp 1 Rp 1 Water 0 60 °C
Flange standard:  Pump inlet: Pump outlet:  Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature:	WHITWORTH THREAD RP Rp 1 Rp 1 Water 0 60 °C 20 °C
Flange standard:  Pump inlet: Pump outlet:  Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	WHITWORTH THREAD RP Rp 1 Rp 1 Water 0 60 °C
Flange standard:  Pump inlet: Pump outlet:  Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:  Electrical data:	WHITWORTH THREAD RP Rp 1 Rp 1 Water 0 60 °C 20 °C 998.2 kg/m³
Flange standard:  Pump inlet: Pump outlet:  Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:  Electrical data: Rated power - P2:	WHITWORTH THREAD RP Rp 1 Rp 1 Water 0 60 °C 20 °C 998.2 kg/m³
Flange standard:  Pump inlet: Pump outlet: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Rated power - P2: Mains frequency:	WHITWORTH THREAD RP Rp 1 Rp 1 Water 0 60 °C 20 °C 998.2 kg/m³  1.5 kW 50 / 60 Hz
Flange standard:  Pump inlet: Pump outlet:  Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Rated power - P2: Mains frequency: Rated voltage:	WHITWORTH THREAD RP  Rp 1  Rp 1  Water 0 60 °C 20 °C 998.2 kg/m³  1.5 kW 50 / 60 Hz 1 x 200-240 V
Flange standard:  Pump inlet: Pump outlet: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Rated power - P2: Mains frequency: Rated voltage: Maximum current consumption:	WHITWORTH THREAD RP Rp 1 Rp 1 Water 0 60 °C 20 °C 998.2 kg/m³  1.5 kW 50 / 60 Hz 1 x 200-240 V 9.10-7.60 A
Flange standard:  Pump inlet: Pump outlet: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Rated power - P2: Mains frequency: Rated voltage: Maximum current consumption: p max system:	WHITWORTH THREAD RP  Rp 1  Rp 1  Water 0 60 °C  20 °C  998.2 kg/m³  1.5 kW  50 / 60 Hz 1 x 200-240 V  9.10-7.60 A 10 bar
Flange standard:  Pump inlet: Pump outlet: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Rated power - P2: Mains frequency: Rated voltage: Maximum current consumption: p max system: Enclosure class (IEC 34-5):	WHITWORTH THREAD RP  Rp 1  Rp 1  Water 0 60 °C 20 °C 998.2 kg/m³  1.5 kW 50 / 60 Hz 1 x 200-240 V 9.10-7.60 A 10 bar IP55
Flange standard:  Pump inlet: Pump outlet: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Rated power - P2: Mains frequency: Rated voltage: Maximum current consumption: p max system: Enclosure class (IEC 34-5): Insulation class (IEC 85):	WHITWORTH THREAD RP  Rp 1  Rp 1  Water 0 60 °C 20 °C 998.2 kg/m³  1.5 kW 50 / 60 Hz 1 x 200-240 V 9.10-7.60 A 10 bar IP55 F
Flange standard:  Pump inlet: Pump outlet: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Rated power - P2: Mains frequency: Rated voltage: Maximum current consumption: p max system: Enclosure class (IEC 34-5): Insulation class (IEC 85): Type of cable plug:	WHITWORTH THREAD RP Rp 1 Rp 1 Water 0 60 °C 20 °C 998.2 kg/m³  1.5 kW 50 / 60 Hz 1 x 200-240 V 9.10-7.60 A 10 bar IP55 F SCHUKO
Flange standard:  Pump inlet: Pump outlet: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Rated power - P2: Mains frequency: Rated voltage: Maximum current consumption: p max system: Enclosure class (IEC 34-5): Insulation class (IEC 85): Type of cable plug: Mains cable:	WHITWORTH THREAD RP  Rp 1  Rp 1  Water 0 60 °C 20 °C 998.2 kg/m³  1.5 kW 50 / 60 Hz 1 x 200-240 V 9.10-7.60 A 10 bar IP55 F
Flange standard:  Pump inlet: Pump outlet:  Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:  Electrical data: Rated power - P2: Mains frequency: Rated voltage: Maximum current consumption: p max system: Enclosure class (IEC 34-5): Insulation class (IEC 85): Type of cable plug: Mains cable: Tank:	WHITWORTH THREAD RP  Rp 1  Rp 1  Water 0 60 °C 20 °C 998.2 kg/m³  1.5 kW 50 / 60 Hz 1 x 200-240 V 9.10-7.60 A 10 bar IP55 F SCHUKO 1.5 m
Flange standard:  Pump inlet: Pump outlet:  Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:  Electrical data: Rated power - P2: Mains frequency: Rated voltage: Maximum current consumption: p max system: Enclosure class (IEC 34-5): Insulation class (IEC 85): Type of cable plug: Mains cable: Tank: Tank volume:	WHITWORTH THREAD RP Rp 1 Rp 1 Water 0 60 °C 20 °C 998.2 kg/m³  1.5 kW 50 / 60 Hz 1 x 200-240 V 9.10-7.60 A 10 bar IP55 F SCHUKO
Flange standard:  Pump inlet: Pump outlet: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Rated power - P2: Mains frequency: Rated voltage: Maximum current consumption: p max system: Enclosure class (IEC 34-5): Insulation class (IEC 85): Type of cable plug: Mains cable: Tank: Tank volume: Others:	WHITWORTH THREAD RP  Rp 1  Rp 1  Water 0 60 °C 20 °C 998.2 kg/m³  1.5 kW 50 / 60 Hz 1 x 200-240 V 9.10-7.60 A 10 bar IP55 F SCHUKO 1.5 m
Flange standard:  Pump inlet: Pump outlet: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Rated power - P2: Mains frequency: Rated voltage: Maximum current consumption: p max system: Enclosure class (IEC 34-5): Insulation class (IEC 85): Type of cable plug: Mains cable: Tank: Tank volume: Others: Net weight:	WHITWORTH THREAD RP  Rp 1  Rp 1  Water 0 60 °C 20 °C 998.2 kg/m³  1.5 kW 50 / 60 Hz 1 x 200-240 V 9.10-7.60 A 10 bar IP55 F SCHUKO 1.5 m  4 I
Flange standard:  Pump inlet: Pump outlet: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Rated power - P2: Mains frequency: Rated voltage: Maximum current consumption: p max system: Enclosure class (IEC 34-5): Insulation class (IEC 85): Type of cable plug: Mains cable: Tank: Tank volume: Others: Net weight: Gross weight:	WHITWORTH THREAD RP  Rp 1  Rp 1  Water 0 60 °C 20 °C 998.2 kg/m³  1.5 kW 50 / 60 Hz 1 x 200-240 V 9.10-7.60 A 10 bar IP55 F SCHUKO 1.5 m  4 I  44.3 kg 52.2 kg
Flange standard:  Pump inlet: Pump outlet: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Rated power - P2: Mains frequency: Rated voltage: Maximum current consumption: p max system: Enclosure class (IEC 34-5): Insulation class (IEC 85): Type of cable plug: Mains cable: Tank: Tank volume: Others: Net weight: Gross weight: Config. file no:	WHITWORTH THREAD RP Rp 1 Rp 1 Water 0 60 °C 20 °C 998.2 kg/m³  1.5 kW 50 / 60 Hz 1 x 200-240 V 9.10-7.60 A 10 bar IP55 F SCHUKO 1.5 m  4 I  44.3 kg 52.2 kg 98442578
Flange standard:  Pump inlet: Pump outlet: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Rated power - P2: Mains frequency: Rated voltage: Maximum current consumption: p max system: Enclosure class (IEC 34-5): Insulation class (IEC 85): Type of cable plug: Mains cable: Tank: Tank volume: Others: Net weight: Gross weight: Config. file no: Country of origin:	WHITWORTH THREAD RP Rp 1 Rp 1 Water 0 60 °C 20 °C 998.2 kg/m³  1.5 kW 50 / 60 Hz 1 x 200-240 V 9.10-7.60 A 10 bar IP55 F SCHUKO 1.5 m  4 I  44.3 kg 52.2 kg 98442578 HU
Flange standard:  Pump inlet: Pump outlet: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Rated power - P2: Mains frequency: Rated voltage: Maximum current consumption: p max system: Enclosure class (IEC 34-5): Insulation class (IEC 85): Type of cable plug: Mains cable: Tank: Tank volume: Others: Net weight: Gross weight: Config. file no:	WHITWORTH THREAD RP Rp 1 Rp 1 Water 0 60 °C 20 °C 998.2 kg/m³  1.5 kW 50 / 60 Hz 1 x 200-240 V 9.10-7.60 A 10 bar IP55 F SCHUKO 1.5 m  4 I  44.3 kg 52.2 kg 98442578





