

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

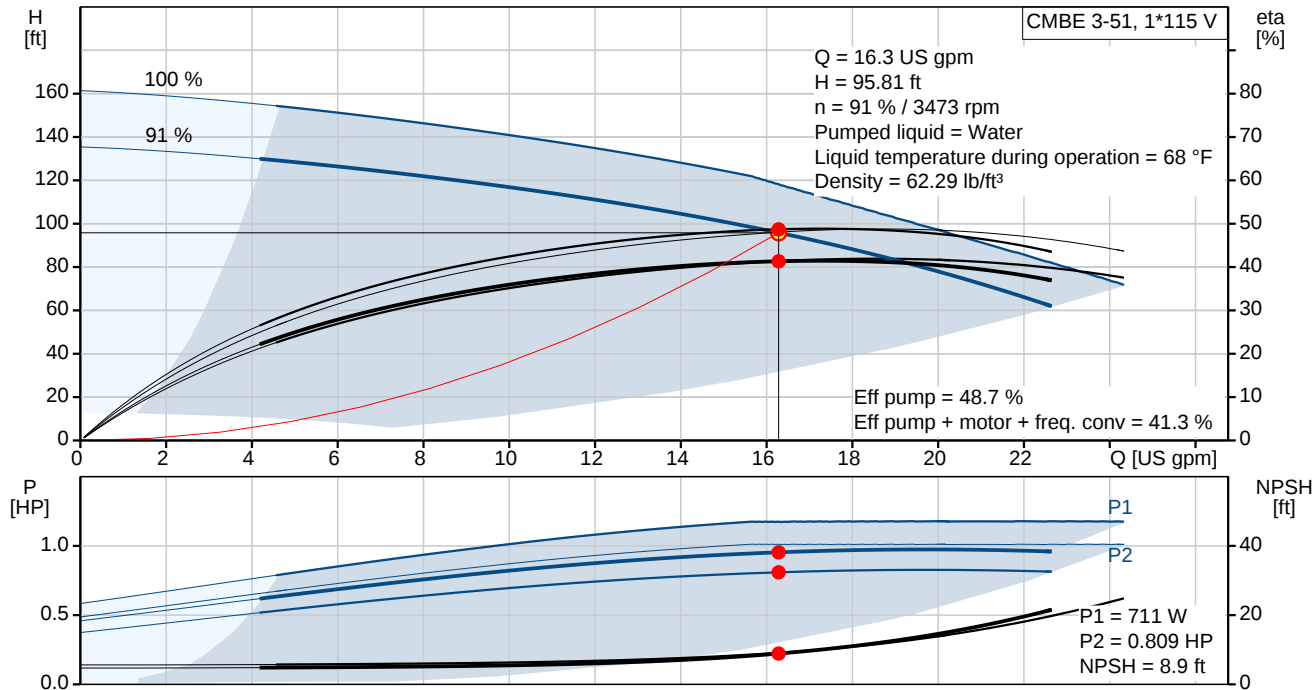
CMBE 3-51

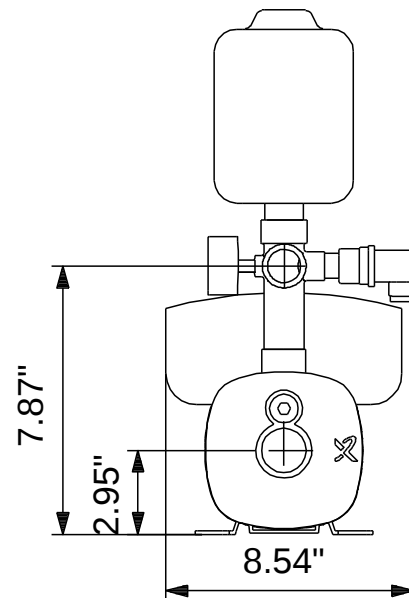
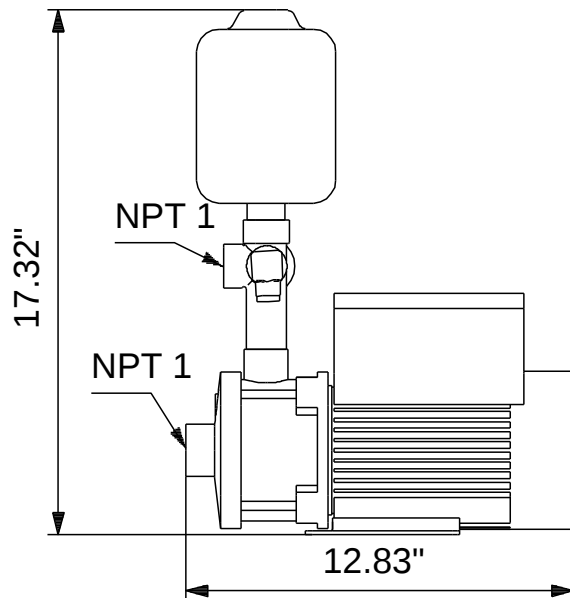


Compact booster set for water supply in light commercial applications. Pump materials in contact with the liquid are in stainless steel AISI 304 (EN 1.4301)

Product photo could vary from the actual product

Conditions of Service	Pump Data	Motor Data
Flow: 16.3 US gpm	Liquid temperature range: 32 .. 140 °F	Rated power - P2: 1.012 HP
Head: 95.81 ft	Maximum ambient temperature: 113 °F	Rated voltage: 115 V
Efficiency: 41.3 %	Shaft seal: AQQE	Main frequency: 50 Hz
Liquid: Water	Flange standard: INTERNAL NPT THREAD	Enclosure class: IP55
Temperature: 68 °F	Product number: 98810924	Insulation class: F
NPSH required: 8.9 ft		
Viscosity: _____		
Specific Gravity: 1.000		





Materials:

Pump housing: Stainless steel
DIN W.-Nr. 1.4301
AISI 304

Impeller: Stainless steel
DIN W.-Nr. 1.4301
AISI 304

Rubber: EPDM

Tender Text

Product No.: [98810924](#)**CMBE 3-51 AQQE**

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

The CME Booster is very easy to install. When the pipework has been installed, it is all a matter of plugging the unit into a socket, and the system is operational.

The CME Booster consists of:

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

Features

- Constant pressure, integrated speed control
- compact
- robust, stainless steel
- easy installation
- dry run protection

Thermal protection

CME Booster pumps require no external motor protection.

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

Liquid:

Pumped liquid: Water
Liquid temperature range: 32 .. 140 °F
Liquid temperature during operation: 68 °F
Density: 62.29 lb/ft³

Technical:

Speed for pump data: 3780 rpm
Actual calculated flow: 16.3 US gpm
Resulting head of the pump: 95.81 ft
Primary shaft seal: AQQE
Approvals and markings: CE,CULUS
Curve tolerance: ISO9906:2012 3B
Start pressure: Integrated Frequency converter



Company name:

Created by:

Phone:

Date:

2/20/2018

Materials:

Pump housing: Stainless steel
DIN W.-Nr. 1.4301
AISI 304
Impeller: Stainless steel
DIN W.-Nr. 1.4301
AISI 304
Rubber: EPDM

Installation:

Maximum ambient temperature: 113 °F
Flange standard: INTERNAL NPT THREAD
Pump inlet: NPT 1
Pump outlet: NPT 1

Electrical data:

Rated power - P2: 1.012 HP
Main frequency: 50 Hz
Rated voltage: 1 x 115 V
Maximum current consumption: 8 A
Rated speed: 360-4000 rpm
Enclosure class (IEC 34-5): IP55
Insulation class (IEC 85): F
Type of cable plug: US5-15
Mains cable: 4.922 ft

Tank:

Tank volume: 0.528 gal

Others:

Net weight: 36 lb
Gross weight: 57.5 lb

Position	Count	Description
	1	CMBE 3-51 AQQE  Product No.: 98810924 The Grundfos CME Booster is a compact booster system for water supply in domestic applications. The integrated speed controller enables the CME Booster to keep constant pressure in the pipe system. A pressure sensor monitoring changes in the water consumption will signal to the speed controller to change the motor speed to adapt performance to the new state. The CME Booster is very easy to install. When the pipework has been installed, it is all a matter of plugging the unit into a socket, and the system is operational. The CME Booster consists of: • CME pump with integrated frequency converter • 5-way valve • expansion tank • pressure gauge • manometer Features • Constant pressure, integrated speed control • compact • robust, stainless steel • easy installation • dry run protection Thermal protection CME Booster pumps require no external motor protection. The MGE motor incorporates thermal protection against slow overloading and blocking (IEC 34.11: TP 211). Liquid: Pumped liquid: Water Liquid temperature range: 32 .. 140 °F Liquid temperature during operation: 68 °F Density: 62.29 lb/ft³ Technical: Speed for pump data: 3780 rpm Actual calculated flow: 16.3 US gpm Resulting head of the pump: 95.81 ft Primary shaft seal: AQQE Approvals and markings: CE,CULUS Curve tolerance: ISO9906:2012 3B Start pressure: Integrated Frequency converter



Company name:

Created by:

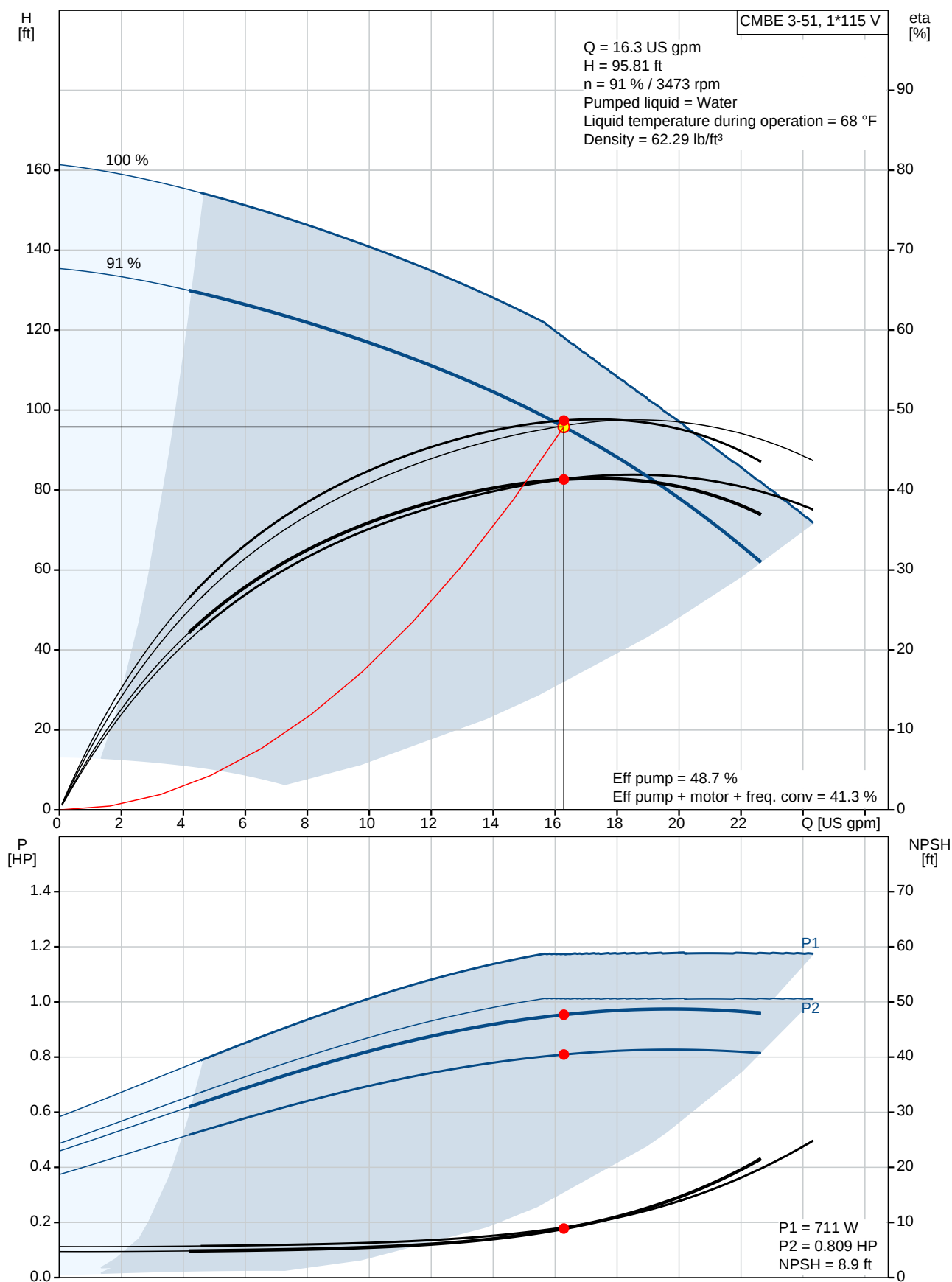
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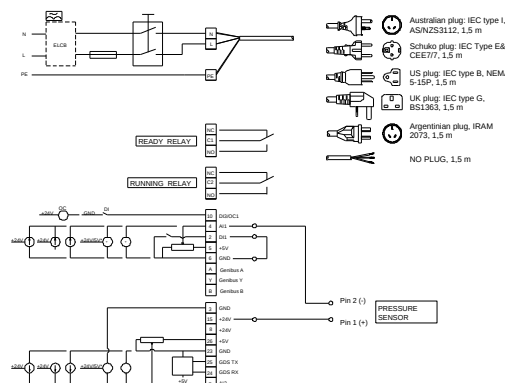
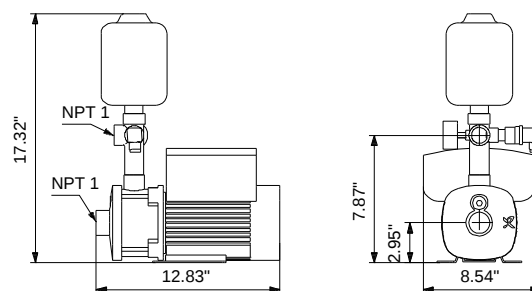
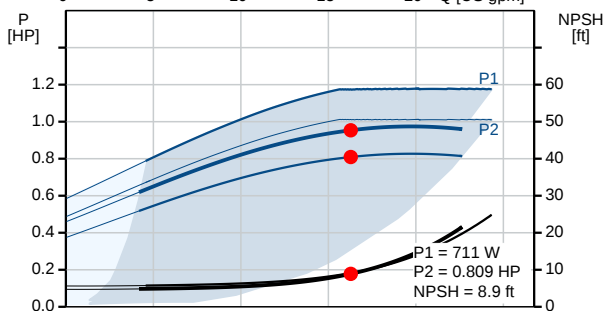
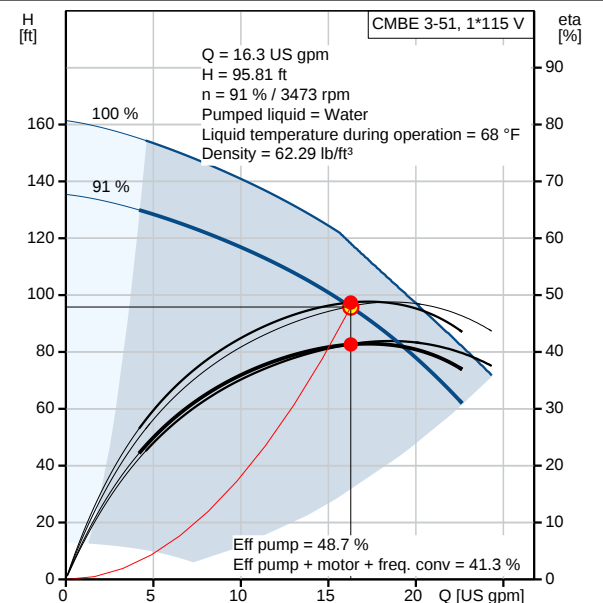
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Position	Count	Description
		Materials: Pump housing: Stainless steel DIN W.-Nr. 1.4301 AISI 304 Impeller: Stainless steel DIN W.-Nr. 1.4301 AISI 304 Rubber: EPDM Installation: Maximum ambient temperature: 113 °F Flange standard: INTERNAL NPT THREAD Pump inlet: NPT 1 Pump outlet: NPT 1 Electrical data: Rated power - P2: 1.012 HP Main frequency: 50 Hz Rated voltage: 1 x 115 V Maximum current consumption: 8 A Rated speed: 360-4000 rpm Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Type of cable plug: US5-15 Mains cable: 4.922 ft Tank: Tank volume: 0.528 gal Others: Net weight: 36 lb Gross weight: 57.5 lb

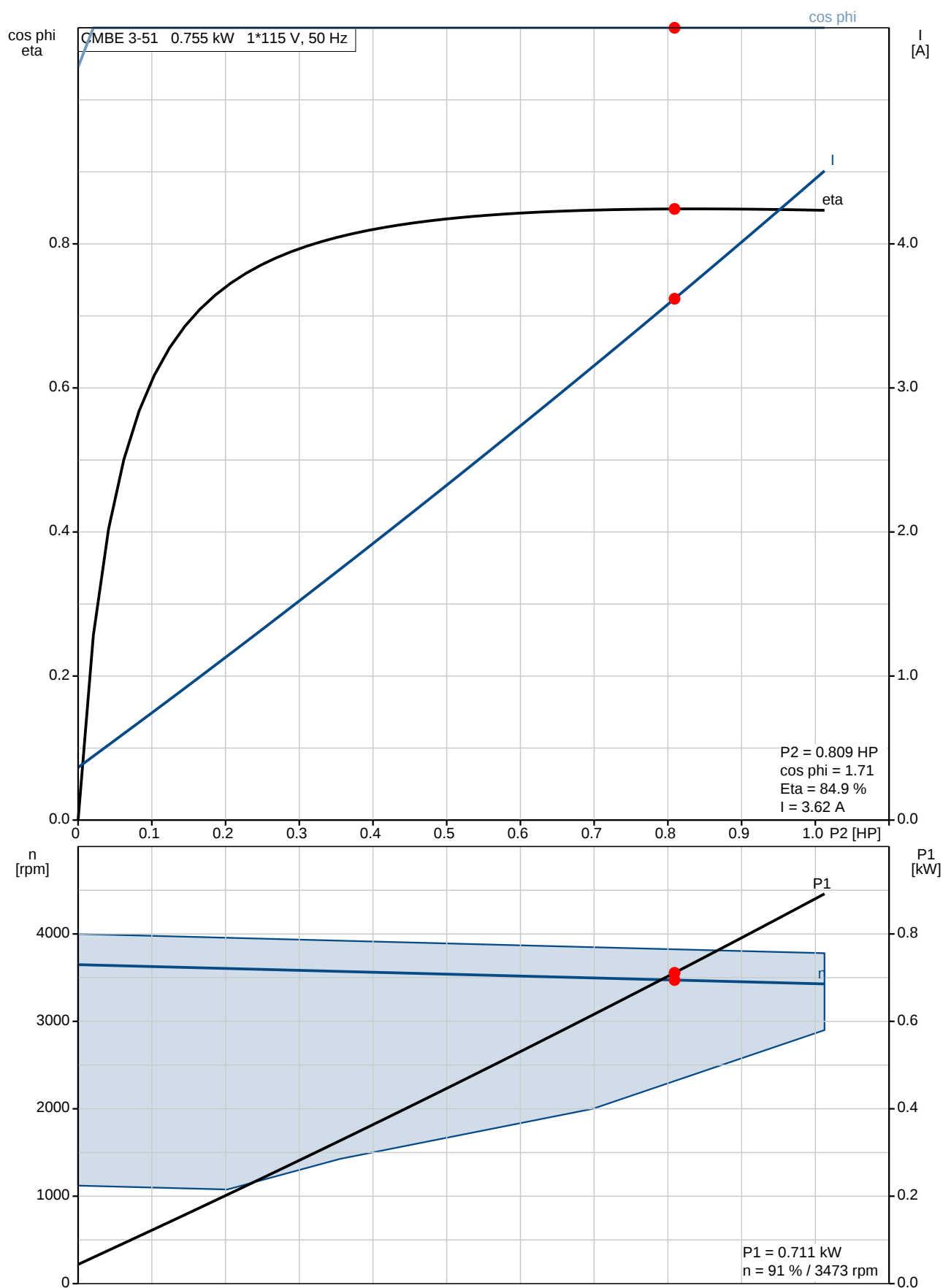
98810924 CMBE 3-51 50 Hz



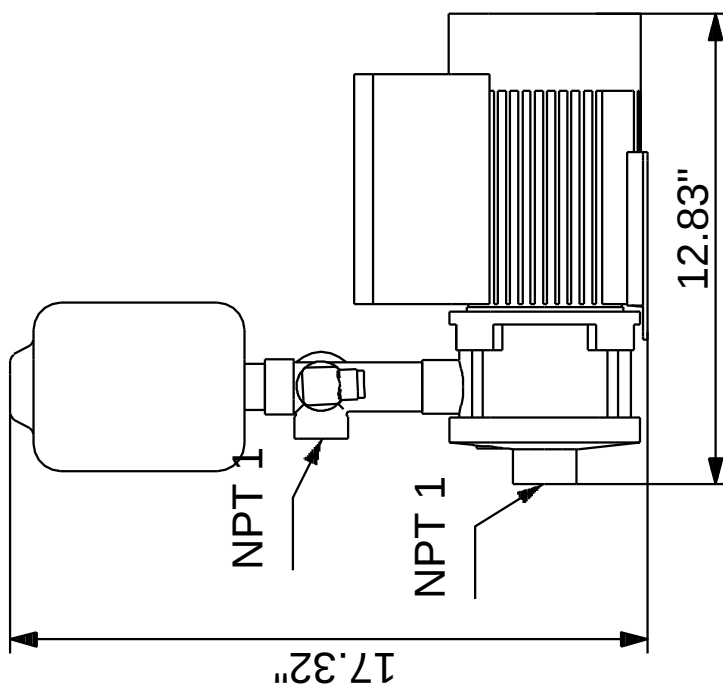
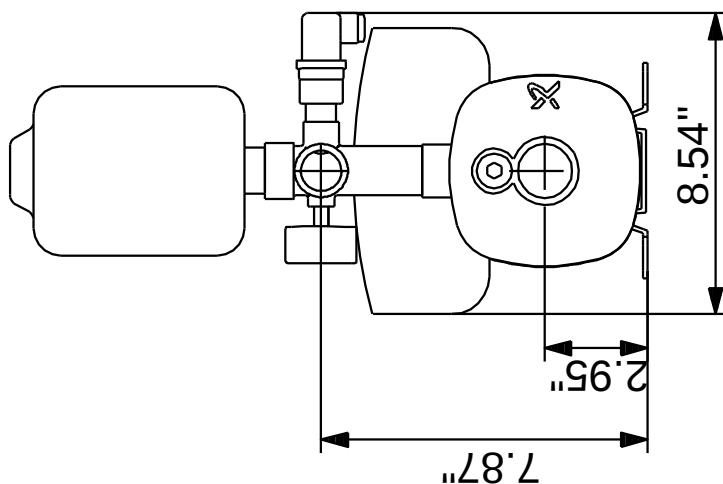
Description	Value
General information:	
Product name:	CMBE 3-51 AQQE
Product No.:	98810924
EAN:	5712601689977
Technical:	
Speed for pump data:	3780 rpm
Actual calculated flow:	16.3 US gpm
Resulting head of the pump:	95.81 ft
Impellers:	3
Primary shaft seal:	AQQE
Approvals and markings:	CE,CULUS
Curve tolerance:	ISO9906:2012 3B
Model:	A
Start pressure:	Integrated Frequency converter
Materials:	
Pump housing:	Stainless steel
	DIN W.-Nr. 1.4301
	AISI 304
Impeller:	Stainless steel
	DIN W.-Nr. 1.4301
	AISI 304
Rubber:	EPDM
Installation:	
Maximum ambient temperature:	113 °F
Flange standard:	INTERNAL NPT THREAD
Pump inlet:	NPT 1
Pump outlet:	NPT 1
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	32 .. 140 °F
Liquid temperature during operation:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Rated power - P2:	1.012 HP
Main frequency:	50 Hz
Rated voltage:	1 x 115 V
Maximum current consumption:	8 A
p max system:	145 psi
Rated speed:	360-4000 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Type of cable plug:	US-15
Mains cable:	4.922 ft
Tank:	
Tank volume:	0.528 gal
Others:	
Net weight:	36 lb
Gross weight:	57.5 lb
Config. file no:	98845993



98810924 CMBE 3-51 50 Hz

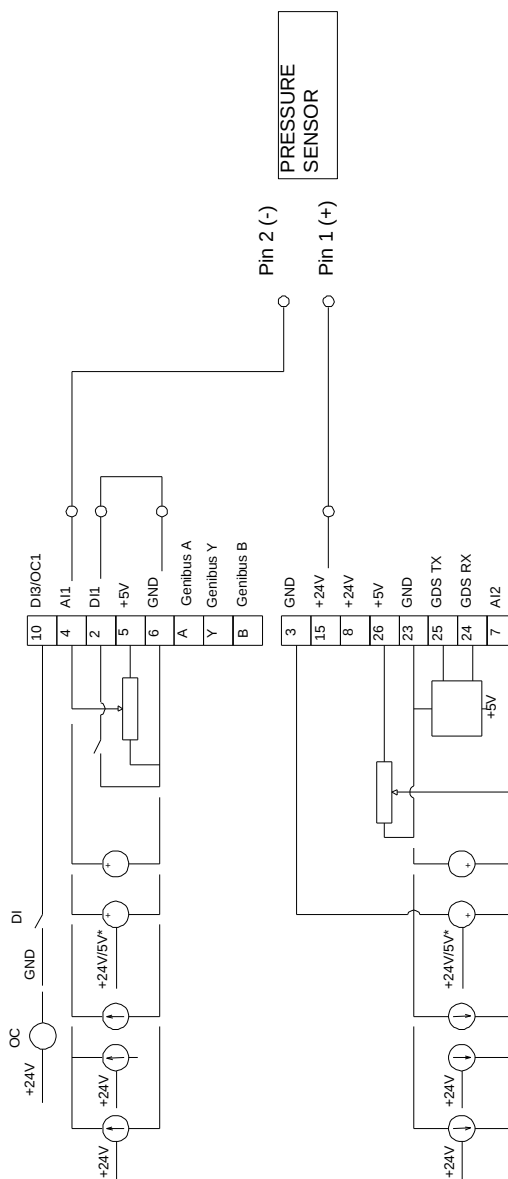
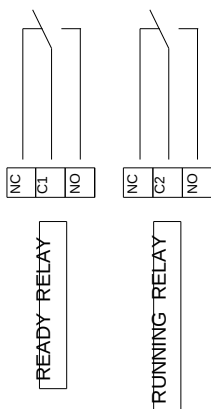
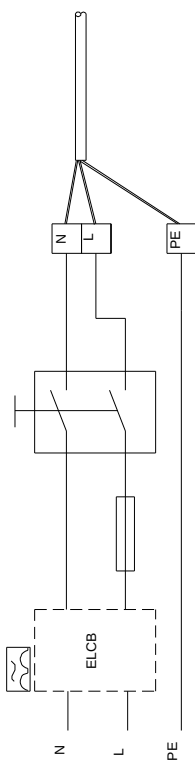
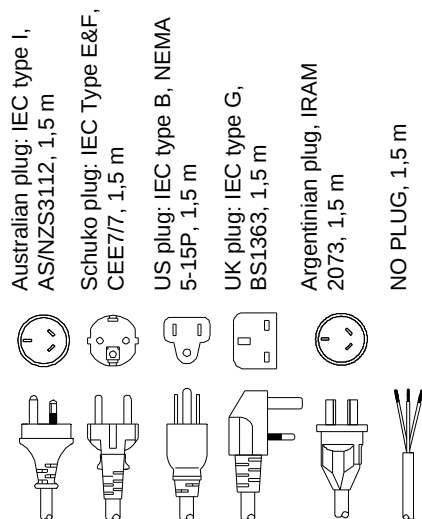


98810924 CMBE 3-51 50 Hz



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

98810924 CMBE 3-51 50 Hz





Company name:

Created by:

Phone:

Date:

2/20/2018

Order Data:

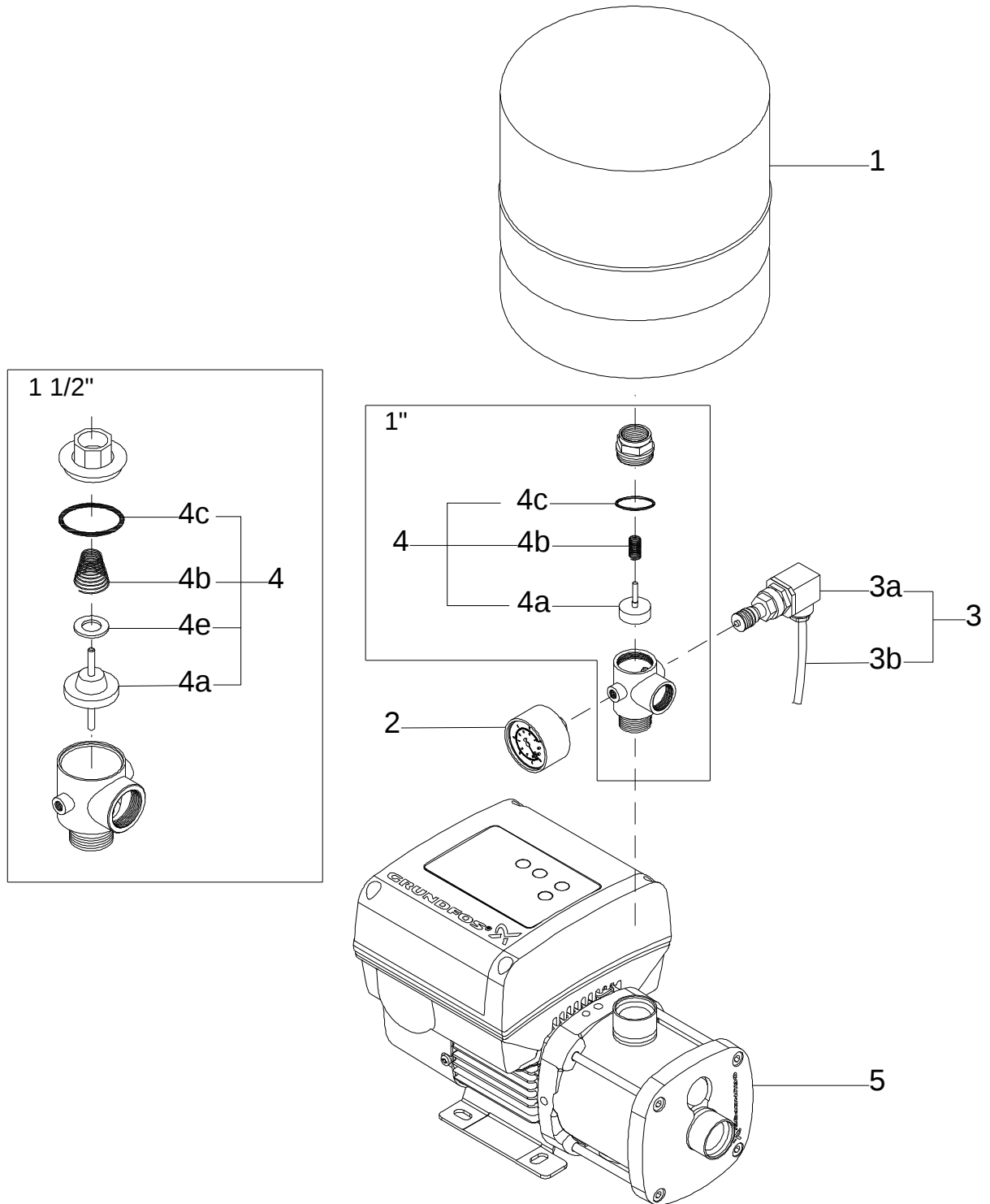
Product name: CMBE 3-51 AQQE

Amount: 1

Product No.: 98810924

Total: Price on request

Exploded view (TM064097 for CMBE)





Company name:

Created by:

Phone:

Date:

2/20/2018

Parts list CMBE 3-51, Prod number 98810924

Valid from 3.11.2010 (1045)

Position	Description	Annotation	Classification data	Part No.	Count	Unit
	Pump				1	pcs
	Cable gland				1	pcs
	Cable w/plug				1	pcs
-	Valve cpl.				1	pcs
	Valve				1	
	Sensor				1	
1	Tank				1	
2	Pressure gauge				1	
3a	Pressure transmitter				1	