

Count	Description
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1 **CMBE 3-51 I-X-C-B-D-E**



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

Technical:

Pump speed on which pump data is based: 3780 rpm
Rated flow: 18.5 US gpm
Rated head: 105 ft
Primary shaft seal: AQQE
Approvals and markings: CE,CULUS
Curve tolerance: ISO9906:2012 3B
Return valve: YES
Start pressure: Integrated Frequency converter

Materials:

Pump housing: Stainless steel

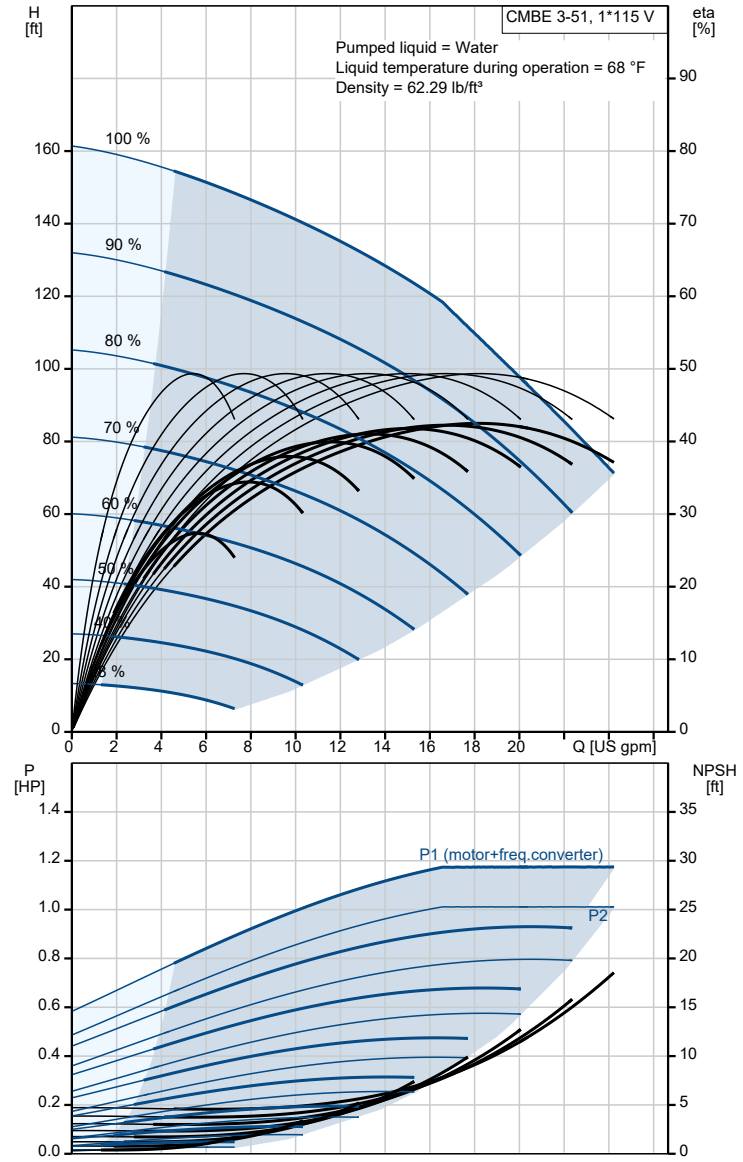


Company name:
Created by:
Phone:

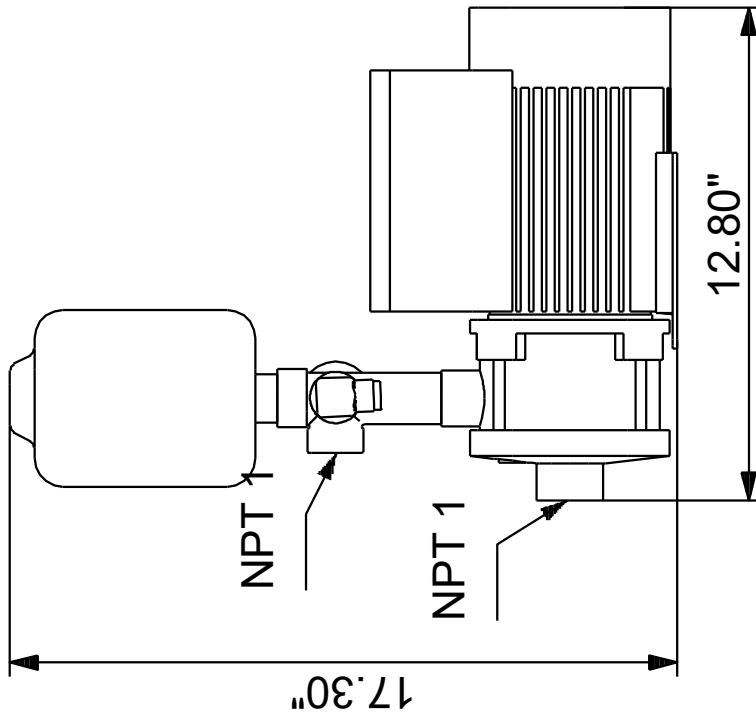
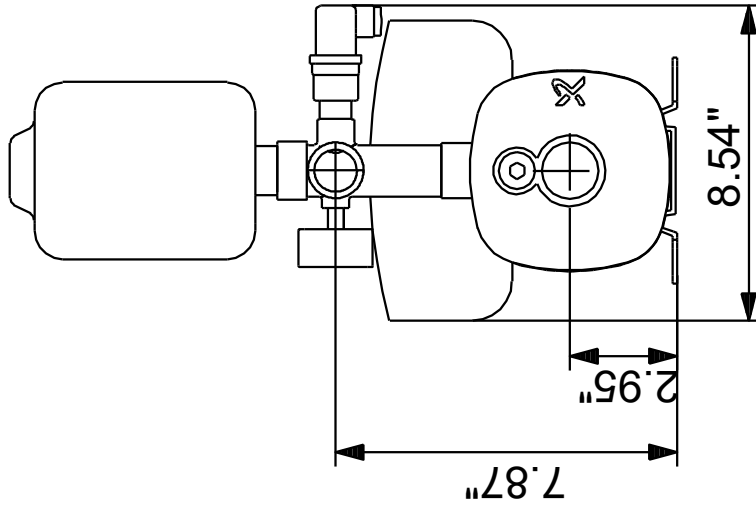
Date: 4/14/2022

Count	Description
	DIN W.-Nr. 1.4301
	AISI 304
Impeller:	Stainless steel
	DIN W.-Nr. 1.4301
	AISI 304
Rubber:	EPDM
Installation:	
t max amb:	131 °F
Flange standard:	INTERNAL NPT THREAD
Pump inlet:	NPT 1
Pump outlet:	NPT 1
Electrical data:	
Rated power - P2:	1.01 HP
Main frequency:	50 / 60 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:	US 5-15
Mains cable:	4.92 ft
Tank:	
Tank volume:	0.528 gal
Others:	
Net weight:	40.7 lb
Gross weight:	61.7 lb
Country of origin:	US
Custom tariff no.:	8413.70.2040

Description	Value
General information:	
Product name:	CMBE 3-51 I-X-C-B-D-E
Product No.:	98810924
EAN:	5712601689977
Technical:	
Pump speed on which pump data is based:	3780 rpm
Rated flow:	18.5 US gpm
Rated head:	105 ft
Impellers:	3
Primary shaft seal:	AQQE
Approvals and markings:	CE,CULUS
Curve tolerance:	ISO9906:2012 3B
Model:	A
Return valve:	YES
Start pressure:	Integrated Frequency converter
Materials:	
Pump housing:	Stainless steel
Pump housing:	DIN W.-Nr. 1.4301
Pump housing:	AISI 304
Impeller:	Stainless steel
Impeller:	DIN W.-Nr. 1.4301
Impeller:	AISI 304
Rubber:	EPDM
Installation:	
t max amb:	131 °F
Flange standard:	INTERNAL NPT THREAD
Pump inlet:	NPT 1
Pump outlet:	NPT 1
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	32 .. 140 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft ³
Electrical data:	
Rated power - P2:	1.01 HP
Main frequency:	50 / 60 Hz
Rated voltage:	1 x 115 V
Maximum current consumption:	8 A
p max system:	145.04 psi
Rated speed:	360-4000 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Type of cable plug:	US 5-15
Mains cable:	4.92 ft
Tank:	
Tank volume:	0.528 gal
Others:	
Net weight:	40.7 lb
Gross weight:	61.7 lb
Sales region:	Namreg
Config. file no.:	98845993
Country of origin:	US
Custom tariff no.:	8413.70.2040



98810924 CMBE 3-51 I-X-C-B-D-E



Service parts CMBE 3-51, Prod number 98810924
Produced After 1301 (production year and week number)

Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
-	Kit, tank			98906909	1	pcs
1	Tank				1	
	Valve cpl.			92523667	1	pcs
-	Pump				1	pcs
-	Kit, Base plate			98330601	1	
191	Base plate					
192	Pan head screw					
-	Kit, impeller and spacing pipe			92685326	1	
49	Impeller cpl.					
64a	Spacing pipe					
-	Kit, motor bearing			92708240	1	
79	Gasket					
107	O-ring		Diameter: 47 Material type: NBR Thickness: 3			
111	Ball bearing		Designation: 6204.2Z.C3.SYN			
151a	Installation indicator					
155	Bearing cover					
156d	Gasket		Inner diameter: 114,80 Outer diameter: 121,20 Thickness: 0,25			
158a	O-ring		Diameter: 35,4 Material type: HNBR Thickness: 1,97			
158	Waved washer					
159c	Seal ring					
-	Kit, neck ring			96932397	1	
45	Neck ring					
65	Neck ring retainer					
-	Kit, plug			96932395	1	
-	Drain plug cpl.					
11	O-ring		Diameter: 18,5 Material type: EPDM Thickness: 2			
25	Plug					
11	O-ring		Diameter: 18,5 Material type: FKM Thickness: 2			
-	Kit, seals			96932440	1	
31	O-ring		Diameter: 114 Material type: FKM Thickness: 3,9			
31	O-ring		Diameter: 114 Material type: EPDM Thickness: 3,9			
64c	Clamp					
66	Wedge lock washer					
67	Lock nut		Thread: M8			
102	O-ring		Diameter: 17,86 Material type: FKM Thickness: 2,62			
102	O-ring		Diameter: 17,86 Material type: EPDM Thickness: 2,62			
103	Seal ring, stationary					
104	Seal ring, rotating					



Company name:

Created by:

Phone:

Date:

4/14/2022

Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
107	O-ring		Diameter: 11,5			
			Material type: FKM			
			Thickness: 3,18			
107	O-ring					
108	Compression spring					
111a	Stop ring					
111	Retainer					
112	Driver for shaft seal					
4d	Chamber cpl.			97690016	1	
- 4	Chamber cpl.			97690020	1	
45	Neck ring			96536194		
65	Retainer			92501765		
65	Retainer			98270018		
65	Retainer			92501764		
+ 4	Chamber cpl.			96547662	1	
+ 4	Chamber cpl.			98371206	1	
+ 5a	Chamber cpl.			98371205	1	
+ 5a	Chamber cpl.			96588148	1	
6a	Flange			98428397	1	
16	Collar sleeve cpl.			98470951	1	
26	Hex socket head cap screw		Length: 80	99611589	4	
			Thread: M8			
31	O-ring		Diameter: 114	98345019	1	
			Material type: EPDM			
			Thickness: 3,9			
+ 32	Cover plate			98608161	1	
49	Impeller cpl.			99694552	3	
64a	Spacing pipe			98075345	2	
64a	Spacing pipe			99952499	2	
66	Wedge lock washer			96536157	1	
66	Wedge lock washer			92575609	1	
67	Lock nut		Thread: M8	98277008	1	
- 105	Shaft seal			99954520	1	
102	O-ring		Diameter: 17,86	98277010		
			Material type: EPDM			
			Thickness: 2,62			
103	Seal ring, stationary			99140489		
104	Seal ring, rotating			98277444		
107	O-ring			98275967		
152	Cross recess countersunk screw			99332927	4	
191	Base plate			97823646	1	
167	Cable gland			92512604	1	pcs