

Count	Description
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1 **CMBE 1-99 I-U-C-E-D-E**



Product No.: [98548111](#)

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: 10.6 US gpm
Rated head: 204.4 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

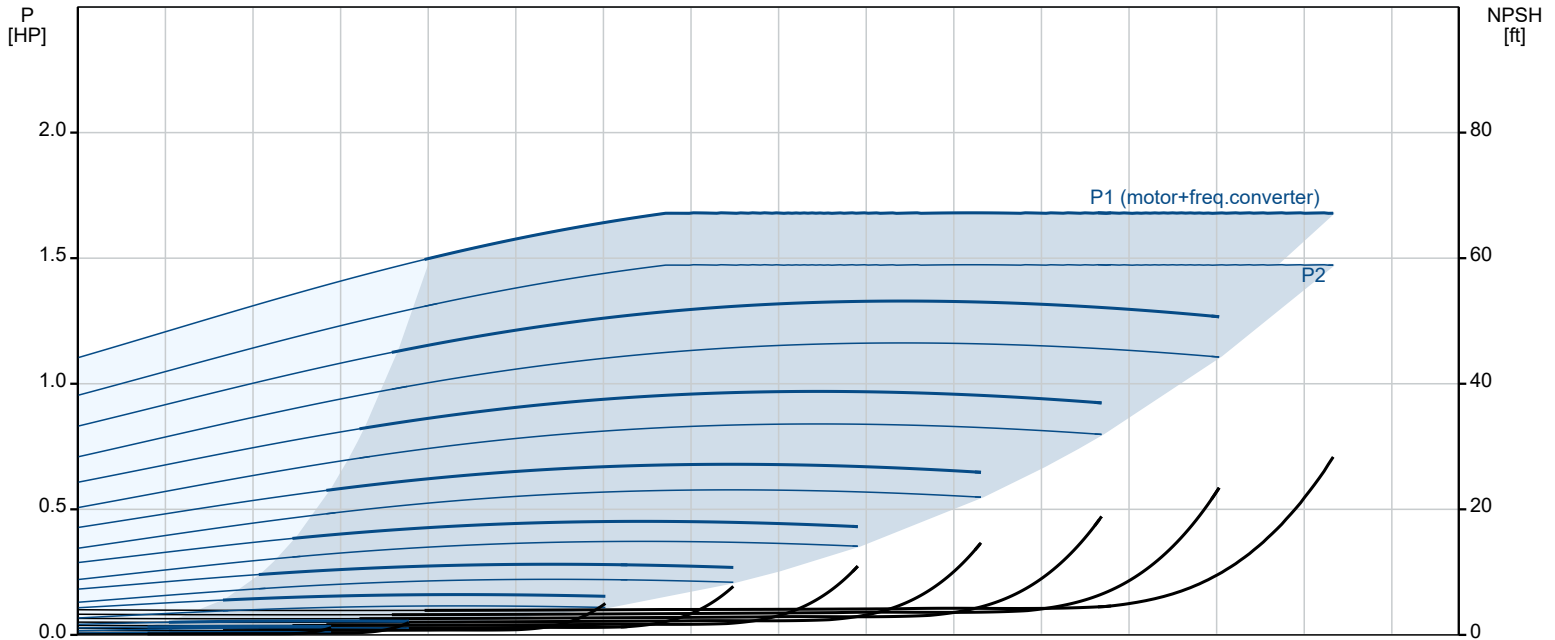
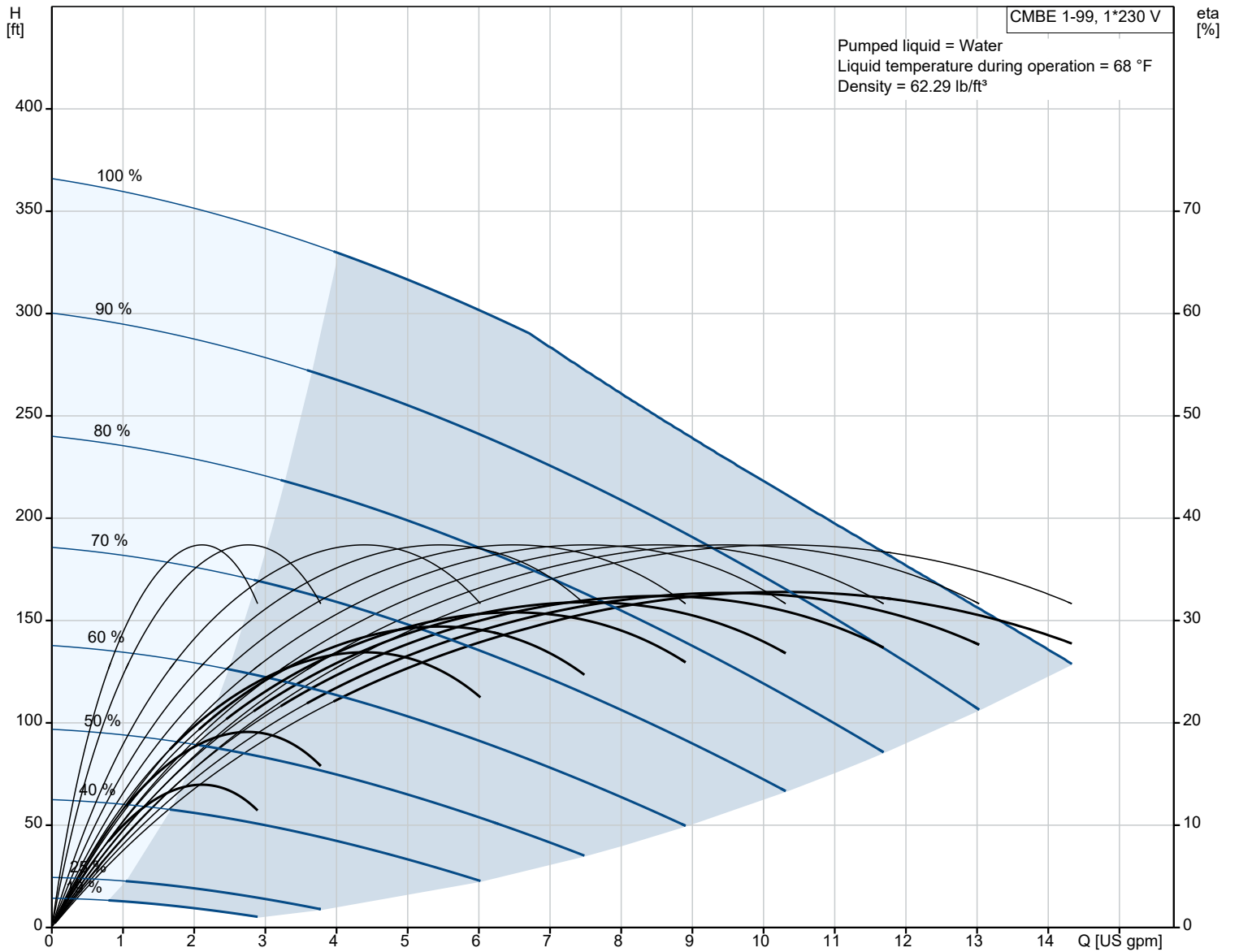


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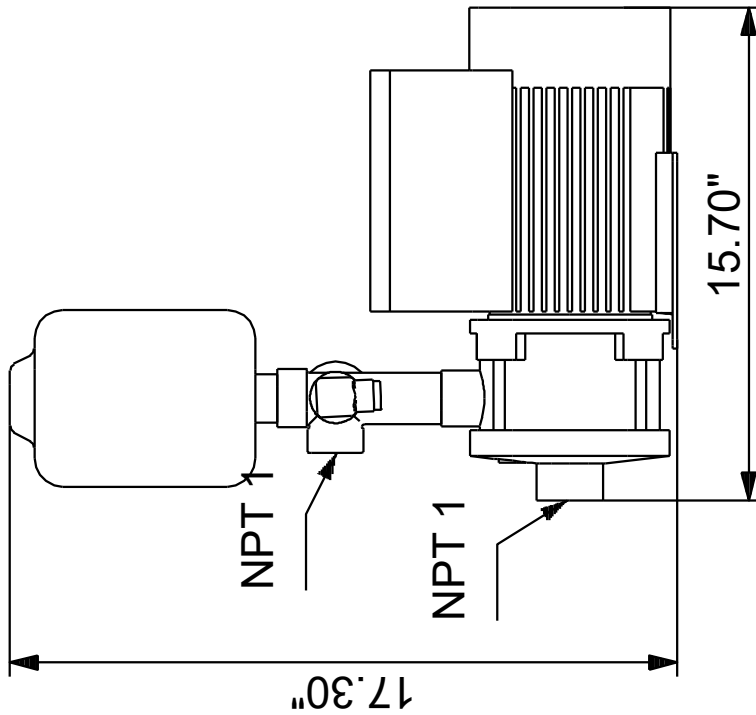
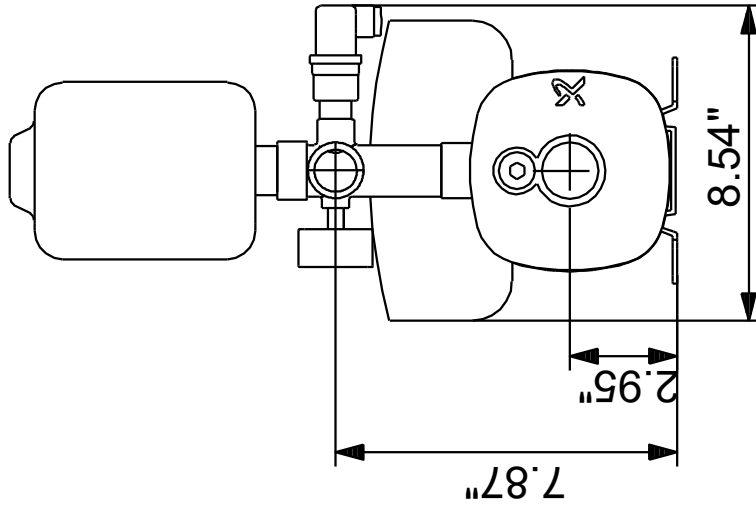
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Count	Description
	DIN W.-Nr. 1.4301
	AISI 304
Impeller:	Stainless steel
	DIN W.-Nr. 1.4301
	AISI 304
Rubber:	EPDM
Installation:	
t max amb:	122 °F
Flange standard:	INTERNAL NPT THREAD
Pump inlet:	NPT 1
Pump outlet:	NPT 1
Electrical data:	
Rated power - P2:	1.5 HP
Main frequency:	50 / 60 Hz
Rated voltage:	1 x 200-240 V
Maximum current consumption:	6.70-5.60 A
Rated speed:	360-4000 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Type of cable plug:	NONE
Mains cable:	NO CABLE m
Tank:	
Tank volume:	0.528 gal
Others:	
Net weight:	42 lb
Gross weight:	64 lb
Country of origin:	US
Custom tariff no.:	8413.70.2040

98548111 CMBE 1-99 I-U-C-E-D-E



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Service parts CMBE 1-99, Prod number 98548111
Produced After 1301 (production year and week number)

Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
-	Kit, Manometer			98906915	1	pcs
2	Pressure gauge				1	
-	Kit, non-return valve			98906916	1	pcs
	Valve cpl.				1	
-	Kit, sensor			98906905	1	pcs
3a	Pressure transmitter				1	
-	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			92685297	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			



Company name:
Created by:
Phone:

Date: 4/6/2022

Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
			Thickness: 2,62			
102	O-ring		Diameter: 17,86			
			Material type: EPDM			
			Thickness: 2,62			
103	Seal ring, stationary					
104	Seal ring, rotating					
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					
-	Kit, adapter			98345796	1	
-	252a	Adapter set				
		Adapter				
		Adapter				
167	Cable gland					
-	291	Kit, Antenna		98271482	1	
		Antenna				
167	Cable gland					
-		Kit, Blanking plug		98334761	1	
252b	Plug cpl.					
-		Kit, cable gland		98337336	1	
-	293	Cable glands set		98271484		
167	Cable gland					
167	Cable gland					
-		Kit, cable gland		98337337	1	
-	293	Cable gland		98271485		
		Cable gland				
167	Cable gland					
167	Cable gland					
-		Kit, cable gland		98337338	1	
-	293	Cable gland		98271486		
		Cable gland				
167	Cable gland					
-		Kit, cable gland		98337339	1	
-	293	Cable glands set		98271487		
167	Cable gland					
-		Kit, cable gland		98337340	1	
-	293	Cable glands set		98271488		
167	Cable gland					
-		Kit, cable gland		98337341	1	
-	293	Cable glands set		98271489		
		Cable gland				
-		Kit, Connector plugs		98403113	1	
266	6130					
266	Connector plug 2-pole					
266	Connector plug 8-pole					
266	Connector plug 8-pole					
266	Connector plug 8-pole					
266	Connector plug 3-pole					
266	Connector plug 3-pole					
266	Connector plug 3-pole					
-		Kit, Control box		98406628	1	
152	Pan head thread forming screw					
178	Pan head thread forming screw					
251d	Pan head thread forming screw					
251b	Control box					
251a	Control box					



Company name:
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Phone:

Date: 4/6/2022

Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
252b	Plug cpl.					
266	Connector plug 2-pole					
266	Connector plug 8-pole					
268a	Base					
268	Pan head screw					
273	Funct. Module cpl.					
275a	Pin					
277a	Cross recess Pan head screw					
277a	Cross recess Pan head screw					
277a	Cross recess Pan head screw					
277	Isolation cover					
286	Spacer					
287	Cover					
288b	Retaining ring					
288a	Pan head thread forming screw					
288	Wire clamp					
289	Wire clamp					
290	Control panel, cpl.					
-	Kit, Control box upper			98334764	1	
251d	Pan head thread forming screw					
251b	Control box					
-	Kit, Control panel			98334772	1	
290	Control panel, cpl.					
-	Kit, cover			98330622	1	
287	Cover					
-	Kit, fan			98290123	1	
152	Pan head thread forming screw					
156c	Seal ring					
156	Fan					
	Kit, fan cover			99957569	1	
-	Kit, flange			98330559	1	
156d	Gasket		Inner diameter: 114,80 Outer diameter: 121,20 Thickness: 0,25			
156b	Motor flange					
185	Cross recess Pan head screw					
186	Drain plug					
-	Kit, Funct. module			98334776	1	
273a	Cross recess Pan head screw					
273	Funct. Module cpl.					
275a	Pin					
286	Spacer					
-	Kit, Isolation cover			98330624	1	
277a	Cross recess Pan head screw					
277	Isolation cover					
-	Kit, Lower part cpl.			98330615	1	
178	Pan head thread forming screw					
251a	Control box					
275a	Pin					
277a	Cross recess Pan head screw					
277	Isolation cover					
-	Kit, screws			98330627	1	
268a	Base					
268	Pan head screw					
288b	Retaining ring					
288a	Pan head thread forming screw					
288	Wire clamp					
289a	Pan head thread forming screw					
289	Wire clamp					
4d	Chamber cpl.			97690016	1	
- 4	Chamber cpl.			97690020	1	



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4/6/2022

Pos	Description	Annotation	Classification Data	Part no.	Qty.	Unit
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.			98470954	1	
26	Hex socket head cap screw		Length: 150	99043198	4	
			Thread: M8			
31	O-ring		Diameter: 114	98345019	1	
			Material type: EPDM			
			Thickness: 3,9			
+ 32	Cover plate			98608161	1	
49	Impeller cpl.			99490705	7	
49	Impeller cpl.			99490703	7	
64a	Spacing pipe			98075345	6	
64a	Spacing pipe			99952499	6	
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