

Inventflow: Grundfos A-partner

Grundfos CRE 95-1-1 A-F-A-E-HQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/cre/grundfos-cre-95-1-1-a-f-a-e-hqqe>

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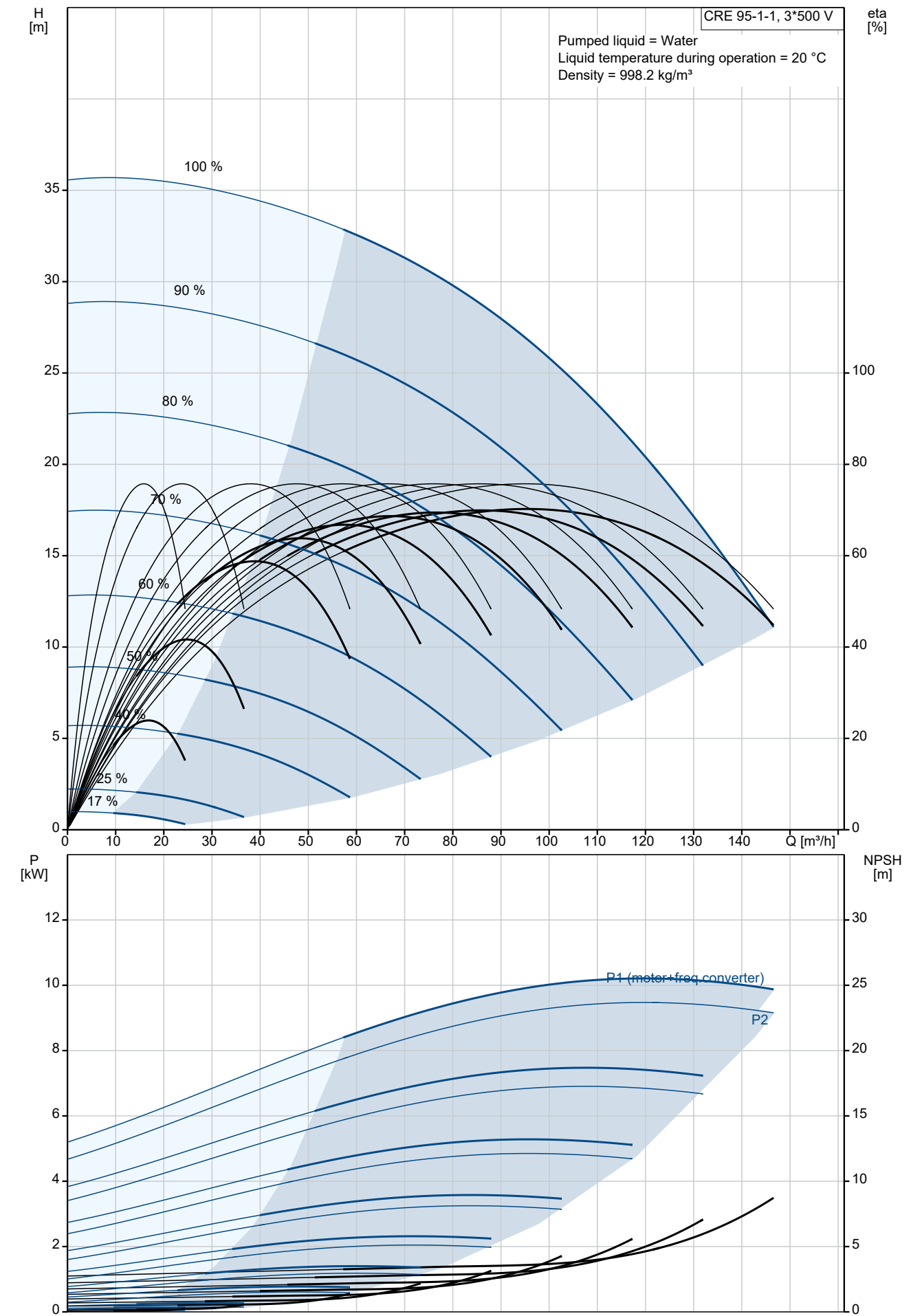
Datasheet



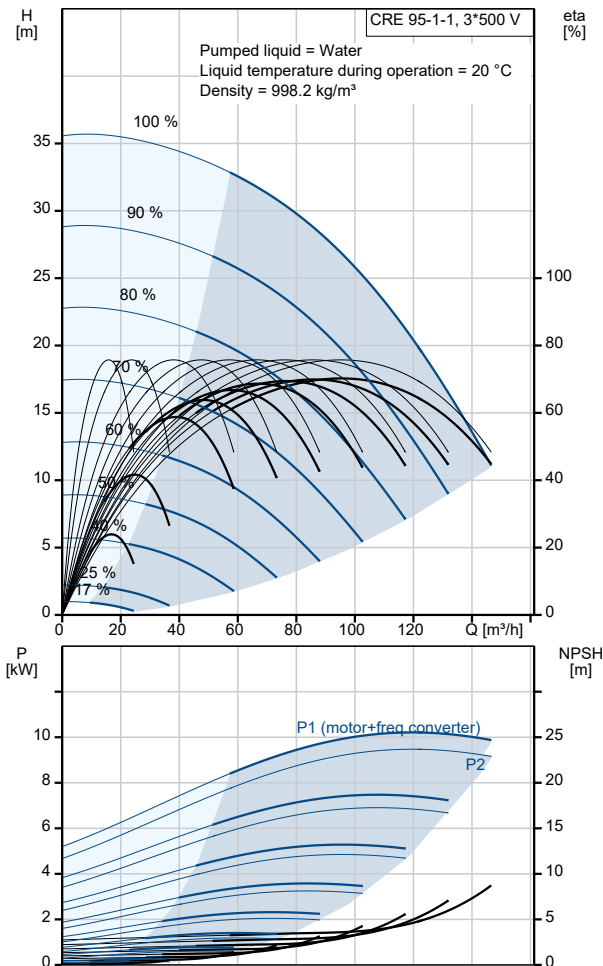
Qty.	Description
1	CRE 95-1-1 A-F-A-E-HQQE  Note! Product picture may differ from actual product Product No.: 99264346 Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). The pump head and base are in cast iron – all other wetted parts are in stainless steel. The Grundfos cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power transmission is via a rigid split coupling. Pipe connection is via DIN flanges. The pump is fitted with a 3-phase, fan-cooled, permanent-magnet, synchronous motor. The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2. The motor includes a frequency converter and PI controller in the motor terminal box. This enables continuously variable control of the motor speed, which again enables adaptation of the performance to a given requirement. Liquid: Pumped liquid: Water Liquid temperature range: -20 .. 120 °C Selected liquid temperature: 20 °C Density: 998.2 kg/m³ Technical: Pump speed on which pump data are based: 3555 rpm Rated flow: 114 m³/h Rated head: 23.6 m Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals: CE,EAC,UKCA,ACS,WRAS Curve tolerance: ISO9906:2012 3B Materials: Base: Ductile cast iron EN 1563 EN-GJS-500-7 Impeller: Stainless steel EN 1.4301 Bearing: WC/WC Support bearing: Graflon Material certified according to: European standards Installation: Maximum ambient temperature: 50 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DIN Size of inlet connection: DN 100 Size of outlet connection: DN 100 Pressure rating for connection: PN 16 Flange size for motor: FF300 Electrical data: Motor standard: IEC Motor type: 160MH IE Efficiency class: IE5 Rated power - P2: 11 kW

Qty.	Description
	Power (P2) required by pump: 11 kW Mains frequency: 50 / 60 Hz Rated voltage: 3 x 380-500 V Rated current: 20.3-16.0 A Cos phi - power factor: 0.93-0.90 Rated speed: 360-4000 rpm Efficiency: 93.1% Motor efficiency at full load: 93.1 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Motor No: 98971053 Controls: Frequency converter: Built-in Pressure sensor: N Others: DOE Pump Energy Index CL: 0.00 DOE Pump Energy Index VL: 0.00 Net weight: 165 kg Gross weight: 208 kg Shipping volume: 0.611 m ³ Thrust handling device: N Country of origin: DK Custom tariff no.: 84137075

99264346 CRE 95-1-1 A-F-A-E-HQQE

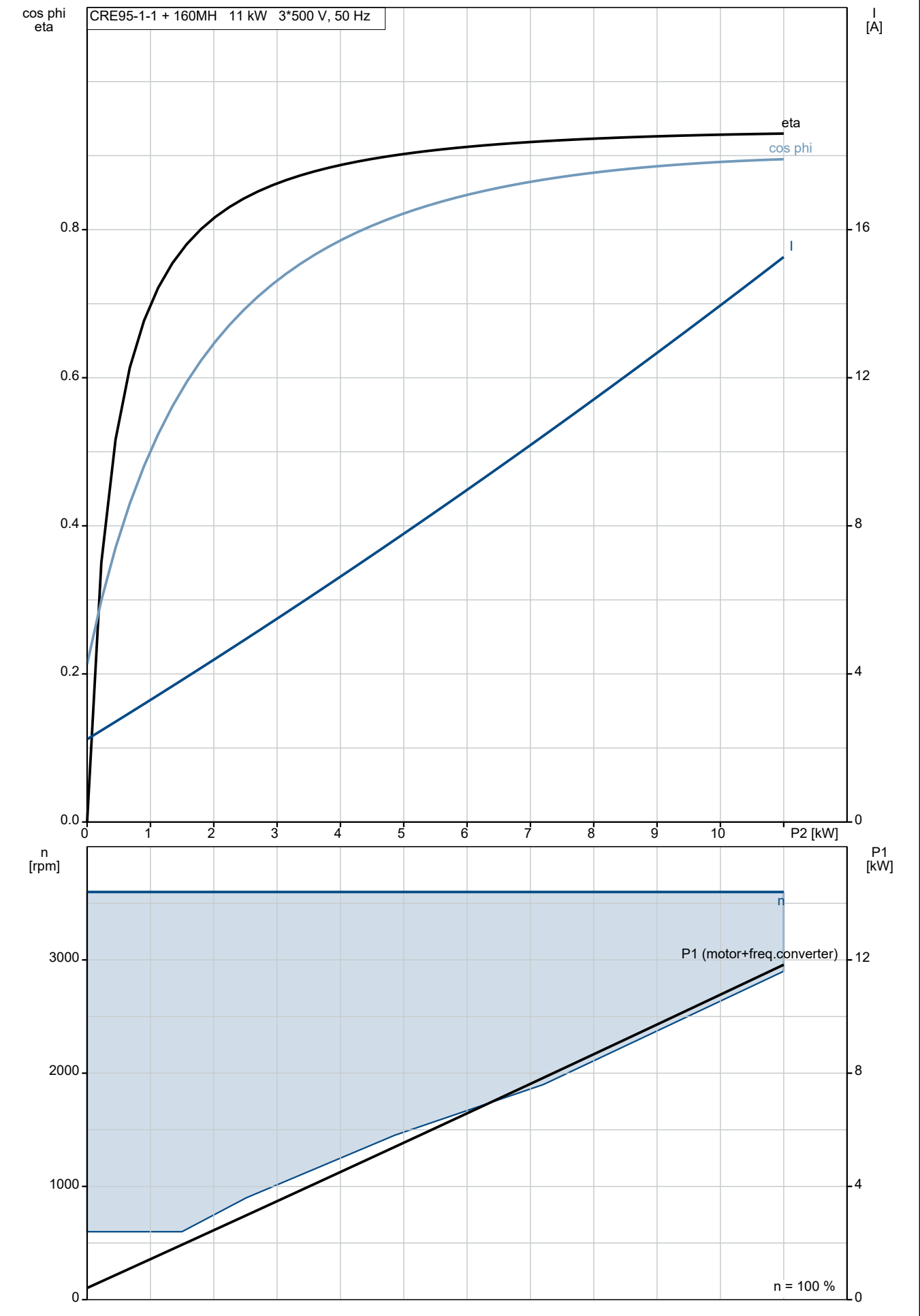


Description	Value		
General information:			
Product name:	CRE 95-1-1 A-F-A-E-HQQE		
Product No:	99264346		
EAN number:	5713826222673		
Technical:			
Pump speed on which pump data are based:	3555 rpm		
Rated flow:	114 m³/h		
Rated head:	23.6 m		
Maximum head:	36.4 m		
Stages:	1		
Impellers:	1		
Number of reduced-diameter impellers:	1		
Low NPSH:	N		
Pump orientation:	Vertical		
Shaft seal arrangement:	Single		
Code for shaft seal:	HQQE		
Approvals:	CE,EAC,UKCA,ACS,WRAS		
Curve tolerance:	ISO9906:2012 3B		
Pump version:	A		
Model:	A		
Materials:			
Base:	Ductile cast iron		
Base:	EN 1563 EN-GJS-500-7		
Impeller:	Stainless steel		
Impeller:	EN 1.4301		
Material code:	A		
Code for rubber:	E		
Bearing:	WC/WC		
Support bearing:	Graflon		
Material certified according to:	European standards		
Installation:			
Maximum ambient temperature:	50 °C		
Maximum operating pressure:	16 bar		
Max pressure at stated temp:	16 bar / 120 °C		
Type of connection:	DIN		
Size of inlet connection:	DN 100		
Size of outlet connection:	DN 100		
Pressure rating for connection:	PN 16		
Flange size for motor:	FF300		
Connect code:	F		
Liquid:			
Pumped liquid:	Water		
Liquid temperature range:	-20 .. 120 °C		
Selected liquid temperature:	20 °C		
Density:	998.2 kg/m³		
Electrical data:			
Motor standard:	IEC		
Motor type:	160MH		
IE Efficiency class:	IE5		
Rated power - P2:	11 kW		
Power (P2) required by pump:	11 kW		
Mains frequency:	50 / 60 Hz		
Rated voltage:	3 x 380-500 V		
Rated current:	20.3-16.0 A		
Cos phi - power factor:	0.93-0.90		
Rated speed:	360-4000 rpm		
Efficiency:	93.1%		
Motor efficiency at full load:	93.1 %		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Motor protect:	ELEC		
Motor No:	98971053		

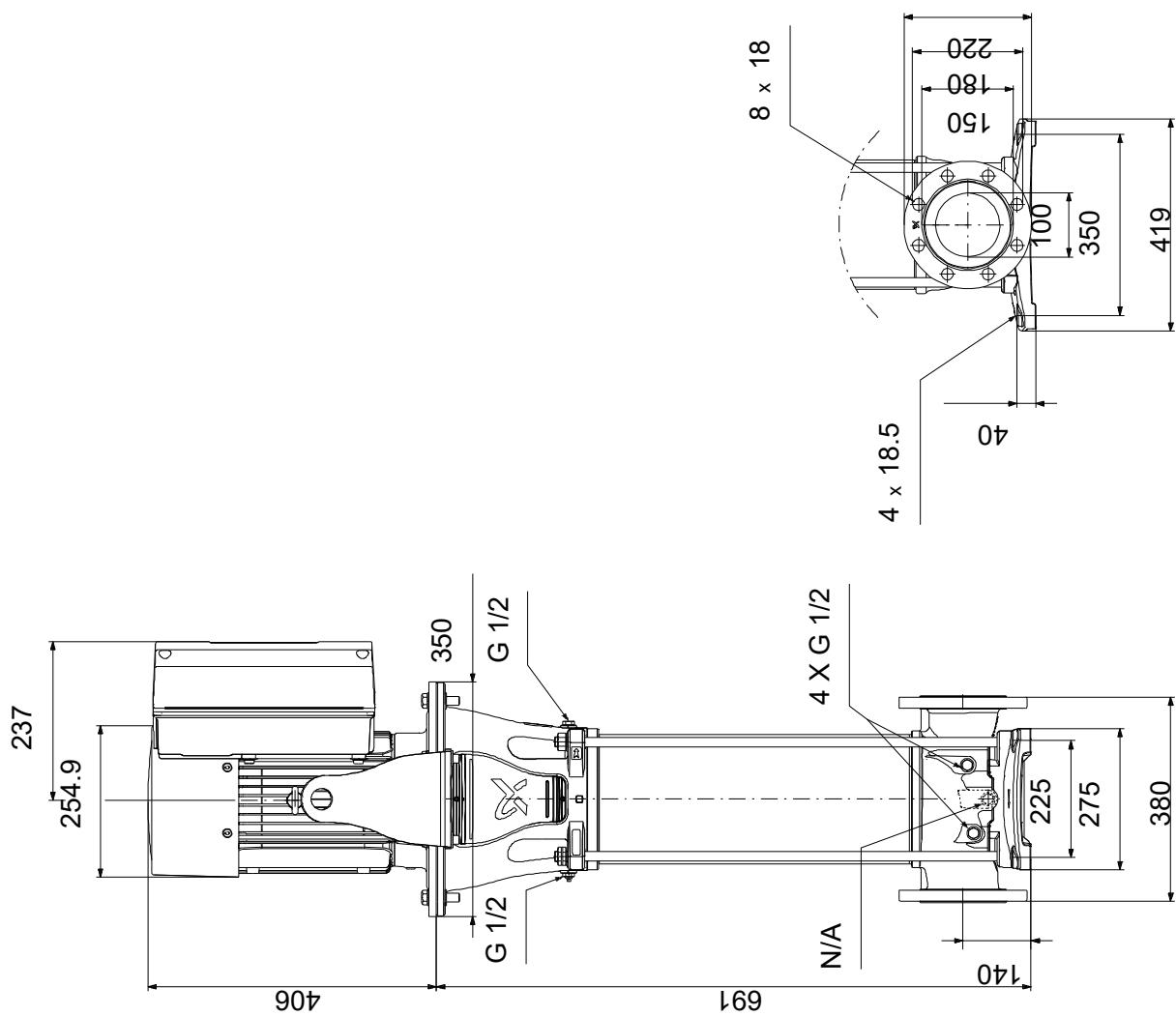


Description	Value
Controls:	
Function Module:	300
Frequency converter:	Built-in
Pressure sensor:	N
Others:	
DOE Pump Energy Index CL:	0.00
DOE Pump Energy Index VL:	0.00
Net weight:	165 kg
Gross weight:	208 kg
Shipping volume:	0.611 m ³
Config. file no:	99059432
Thrust handling device:	N
Country of origin:	DK
Custom tariff no.:	84137075

99264346 CRE 95-1-1 A-F-A-E-HQQE



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

Spare parts CRE 95-1-1, Product No. 99264346
Produced After 1827 (production year and week number)

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
-	Kit, bearing			99415811	1	pcs
- 47a	Bearing cpl.				1	
	Driver				1	
	Retainer				1	
47f	Hairpin clip				1	
-	Kit, bracket			99432728	1	pcs
2d	Plug				4	
2c	Bracket				4	
-	Kit, coupling			99190035	1	pcs
- 7	Coupling cpl.				1	
10a	Coupling				2	
9	Hex socket head cap screw	Designation: DIN 912			4	
		Length (mm): 25				
		Thread: M10				
10	Parallel pin				1	
-	Kit, coupling guard			99196379	2	pcs
7b	Lock washer				2	
7a	Screw				2	
7	Coupling guard				1	
-	Kit, flange			99432754	1	pcs
440b	Lock ring				1	
440a	Flange	Diameter: DN 100			1	
		Pressure: PN 16				
-	Kit, Impeller, reduced			99124966	1	pcs
48	Nut				1	
49b	Split cone				1	
49a	Impeller				1	
-	Kit, O-rings			99262378	1	pcs
37	O-ring				2	
38	O-ring				8	
109	O-ring				1	
110	O-ring	Diameter: 21,5			1	
		Material type: EPDM				
		Thickness: 4,25				
-	Kit, plug			99262366	1	pcs
-	Plug cpl.				5	
25	Plug				1	
38	O-ring				1	
-	Air vent screw				1	
- 18	Air vent screw				1	
	Spindle					
	Plug					
38	O-ring				1	
-	Kit, shaft seal HQQE			99262346	1	pcs
	Grinding device				1	
105	Shaft seal				1	
-	Kit, staybolts			99190078	4	pcs
26	Staybolt				1	
36	Nut				1	
66a	Washer				1	
-	Kit, strap			99190046	2	pcs
26c	Washer	Designation: DIN 125A			1	
		Thickness: 1,6				
26b	Hex head screw				1	
26a	Strap				1	
-	Kit, wear parts			99262415	1	pcs
	Adjusting fork				1	
45	Neck ring				4	
47d	Lock ring				3	

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
47c	Bush				3	
65	Neck ring retainer				4	
-	Motor				1	pcs
-	Kit, Ball bearing			98881526	1	
111	Ball bearing				1	
154	Angular-contact bearing				1	
156d	Seal ring				1	
156c	Seal ring				1	
158	Waved washer				2	
-	Kit, Ball bearing			98881526	1	
111	Ball bearing				1	
154	Angular-contact bearing				1	
156d	Seal ring				1	
156c	Seal ring				1	
158	Waved washer				2	
-	Kit, Blanking plug			99052476	1	
252b	Blind plug				1	
252b	Plug cpl.				5	
-	Kit, cable gland			98736115	1	
293	Cable glands set				1	
-	Kit, connector plugs			98403113	1	
266	Connector plug 10-pole				1	
266	Connector plug 2-pole				1	
266	Connector plug 8-pole				1	
266	Connector plug 8-pole				1	
266	Connector plug 8-pole				1	
266	Connector plug 3-pole				1	
266	Connector plug 3-pole				1	
266	Connector plug 3-pole				1	
-	Kit, control box			98878613	1	
251d	Pan head thread forming screw				4	
251b	Control box				1	
251a	Control box cpl.				1	
252b	Blind plug				1	
252b	Plug cpl.				5	
266	Connector plug 10-pole				1	
266	Connector plug 8-pole				1	
266	Connector plug 8-pole				1	
266	Connector plug 8-pole				1	
266	Connector plug 3-pole				1	
266	Connector plug 3-pole				1	
266	Connector plug 3-pole				1	
268a	Base				2	
268	Pan head screw				2	
273b	Battery				1	
273a	Cross recess Pan head screw				4	
273	Funct. Module cpl.				1	
275a	Pin				1	
277b	Spring				4	
277a	Cross recess Pan head screw				1	
277	Cover				1	
286	Spacer				1	
287	Cover				1	
288b	Retaining ring				8	
288a	Pan head thread forming screw				8	
288	Wire clamp				4	
289a	Pan head thread forming screw				1	
289	Wire clamp				1	
290	Control panel, cpl.				1	
301	Jumper				1	
-	Kit, Control box upper			98869869	1	
251d	Pan head thread forming screw				4	
251b	Control box				1	
-	Kit, Control panel			98939973	1	

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
290	Control panel, cpl.				1	
-	Kit, cover			98330622	1	
287	Cover				1	
-	Kit, end shield (NDE)			98869886	1	
150b	O-ring				1	
156c	Gamma ring				1	
156c	Seal ring				1	
156a	End shield NDE				1	
158	Waved washer				1	
200a	Grease nipple				1	
206	Pan head thread forming screw				4	
206	Hex socket head cap screw				4	
207b	Nut				4	
-	Kit, fan			98869879	1	
152	Pan head thread forming screw				4	
156c	Seal ring				1	
156	Fan				1	
-	Kit, fan cover			98869873	1	
151	Fan cover				1	
152	Pan head thread forming screw				4	
-	Kit, flange (DE)			98869906	1	
	Glue				0	
150b	O-ring				1	
155a	Bearing cover				1	
156c	Seal ring				1	
156b	Flange				1	
185	Hex socket head cap screw				4	
201c	Drain plug				4	
201b	Blind plug				1	
201a	Grease nipple				1	
208b	Nut				4	
208a	Gasket				3	
208	Hex socket head cap screw		Designation: DIN912		3	
			Length (mm): 40			
			Thread: M5			
-	Kit, Funct. module			98334777	1	
273a	Cross recess Pan head screw				5	
273	Funct. Module cpl.				1	
275a	Pin				1	
286	Spacer				1	
-	Kit, Isolation cover			98859523	1	
277b	Spring				4	
277a	Cross recess Pan head screw				1	
277	Cover				1	
-	Kit, Lower part cpl.			98859573	1	
178	Pan head thread forming screw				4	
251a	Control box cpl.				1	
275a	Pin				1	
277a	Cross recess Pan head screw				1	
277	Cover				1	
-	Kit, motor			99010810	1	
	Hex socket head cap screw				2	
	Glue				0	
	Terminal				6	
66a	Washer				2	
118a	Hex socket head cap screw				4	
150b	O-ring				2	
150	Stator w/housing				1	
151	Fan cover				1	
152	Pan head thread forming screw				4	
153	Angular-contact bearing				1	
154	Ball bearing				1	
155a	Bearing cover				1	
156d	Gasket				1	

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
156c	Seal ring				1	
156c	Seal ring				1	
156b	Flange				1	
156a	End shield NDE				1	
156	Fan				1	
158	Waved washer				2	
172	Shaft w/rotor				1	
185	Hex socket head cap screw				4	
186	Drain plug				4	
187	Retaining ring				1	
195.a	Grease nipple				1	
195.a	Grease nipple				1	
196	Diaphragm				1	
203	Terminal plug				1	
208b	Nut				4	
208b	Nut				4	
208a	Gasket				3	
208	Hex socket head cap screw		Designation: DIN912		3	
			Length (mm): 40			
			Thread: M5			
289a	Pan head thread forming screw				2	
-	Kit, plug			99028677	1	
152	Pan head thread forming screw				2	
203	Terminal plug				1	
205	Gasket				1	
-	Kit, screws			99028725	1	
268a	Base				2	
268	Pan head screw				2	
288b	Retaining ring				8	
288a	Pan head thread forming screw				8	
288	Wire clamp				4	
289a	Pan head thread forming screw				1	
289	Wire clamp				1	
	Lifting device			99140040	2	
152	Pan head thread forming screw			99834207	2	
152	Pan head thread forming screw			99814578	2	
153	Angular-contact bearing			98466086	1	
186	Drain plug			99980519	4	
251d	Pan head thread forming screw			98995460	4	
266	Connector plug 3-pole			99421265	1	
1a	Motor stool			99759902	1	pcs
+ 3a	Chamber			99446233	1	pcs
+ 3a	Chamber			99446254	1	pcs
+ 3a	Chamber			99415872	1	pcs
6	Base			99196466	1	pcs
26c	Washer		Designation: DIN 125A	99262704	2	pcs
			Thickness: 1,6			
26c	Washer		Designation: DIN 125A	99886930	2	pcs
			Thickness: 1,6			
28a	Hex head screw			96620478	4	pcs
32	Washer		Designation: DIN 125 A	98923051	8	pcs
			Internal diameter: 17			
			Outer diameter: 30			
			Thickness: 3			
36	Nut			99262692	4	pcs
+ 44	Suction part			99196612	1	pcs
44a	Discharge part			99196620	1	pcs
47f	Hairpin clip			99908983	1	pcs
49h	Impeller			99262539	1	pcs
49h	Impeller			99262563	1	pcs
49b	Split cone			99262686	1	pcs
49b	Split cone			99262689	1	pcs
51	Shaft			99196528	1	pcs
55	Sleeve			99196401	1	pcs

Pos	Omschrijving	Opmerking tekst	Classificatie Gegevens	Onderdeelnr.	Aantal	Eenheid
56	Base plate			99196481	1	pcs
66a	Washer			99262699	4	pcs