

The pump is fitted with a balanced O-ring seal unit with a rigid torque-transmission system. This seal type is assembled in a cartridge unit which makes replacement safe and easy.



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Qty. | Description

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Due to the balancing, this seal type is suitable for high-pressure applications.

The cartridge construction also protects the pump shaft from possible wear from a dynamic O-ring between pump shaft and shaft seal.

Seal faces:

- Rotating seal ring material: silicon carbide (SiC)
- Stationary seat material: silicon carbide (SiC)

This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.

Secondary seal material: EPDM (ethylene-propylene rubber)

EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.



The shaft seal is screwed into the pump head.

The chambers and impellers are made of stainless-steel sheet. The chambers are provided with a PTFE neck ring offering improved sealing and high efficiency. The impellers have smooth surfaces, and the shape of the blades ensure a high efficiency.

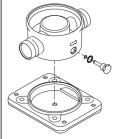
The pump has a stainless-steel base mounted on a separate base plate.

The base and base plate are kept in position by the tension of the staybolts which hold the pump together.

The outlet side of the base has a combined drain plug and bypass valve.

The pump is secured to the foundation by four bolts through the base plate.

The base is prepared for connection by means of PJE (Victualic®) couplings.



Motor

The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. The motor is flange-mounted with free-hole flange (FF).

Motor-mounting designation in accordance with IEC 60034-7: IM B 5 (Code I) / IM 3001 (Code II).

Electrical tolerances comply with IEC 60034.

The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.

The motor has thermistors (PTC sensors) in the windings in accordance with DIN 44081/DIN 44082. The protection reacts to both slow- and quick-rising temperatures, e.g. constant overload and stalled conditions.

Thermal switches must be connected to an external control circuit in a way which ensures that the automatic reset cannot cause accidents. The motors must be connected to a motor-protective circuit breaker according to local regulations.

The motor can be connected to a variable speed drive for adjustment of pump performance to any duty point. Grundfos CUE offers a range of variable speed drives. Please find more information in Grundfos Product Center.

Technical data

Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-20 120 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m³



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Description

Technical:

Rated flow:

Rated head:

Company name: Created by: Phone:

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Date:

Pump speed on which pump data are based: 2919 rpm 5.8 m³/h 168.6 m Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE CE, EAC, UKCA, SEPRO WRAS, ACS ISO9906:2012 3B Stainless steel EN 1.4408 AISI 316 Stainless steel EN 1.4401 AISI 316 SIC 60 °C 25 bar 25 bar / 120 °C 25 bar / -20 °C PJE DN 32 DN 32 PN 50 FF265 IEC 132SC

Approvals: Approvals for drinking water: Curve tolerance: Materials: Base: Impeller: Bearing: Installation: t max amb: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for connection: Flange size for motor: Electrical data: Motor standard: Motor type: IE Efficiency class: IE3 Rated power - P2: 5.5 kW Power (P2) required by pump: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D V Rated current: 11 A Starting current: 1080-1180 % Cos phi - power factor: 0.87-0.82 Rated speed: 2920-2940 rpm Efficiency: IE3 89,2% Motor efficiency at full load: 89.2 % Motor efficiency at 3/4 load: 90.0 % Motor efficiency at 1/2 load: 89.6 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor No: 85U17417 Controls: Frequency converter: NONE Others: Minimum efficiency index, MEI ≥: 0.57 Net weight: 75.6 kg

99 kg

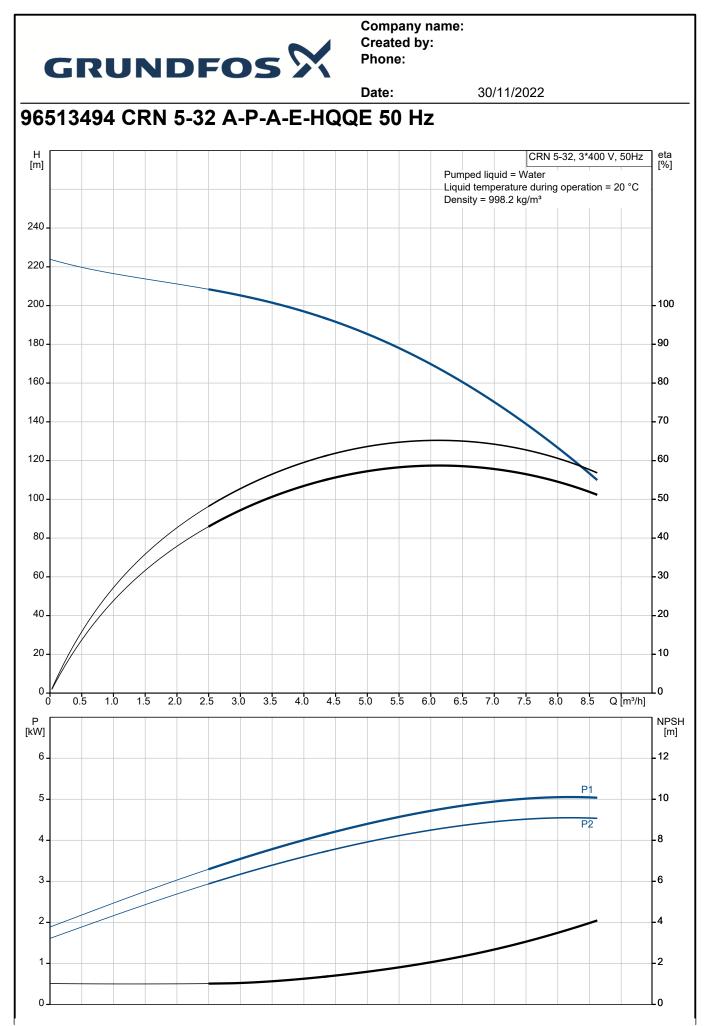
Gross weight:



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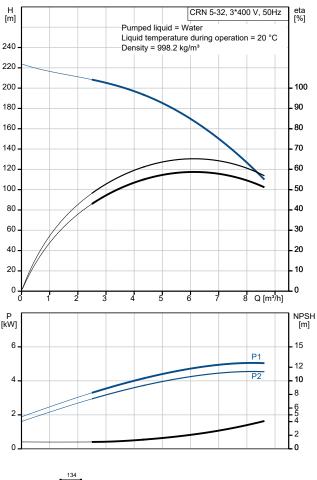
Qty. | Description

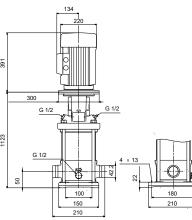
1 Shipping volume: Danish VVS No.: 0.365 m³ 385912032

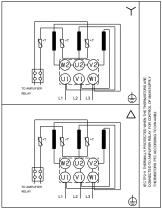




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Value	[m]	Pumped liquid = V
	240	Liquid temperatur
A-P-A-E-HQQE		Density = 998.2 k
06513404	220 -	
	200	
5700590045409	100	
0040	100 -	
2919 rpm	160 -	
5.8 m³/h	140	
	100	
	120 -	
	100 -	
	80	
	- //	
	60 -	
	40	
0	2 0_	
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CE,EAC,UKCA,SEPRO		3 4 5
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	6 -	
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	_	
	2	
Stainless steel	-	
	-	
AISI 316	134	1
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E		
SIC	10	
60 °C		
25 bar		G 1/2
25 bar / 120 °C		
25 bar / -20 °C		
PJE		
DN 32		
DN 32		
PN 50		00 180
FF265		50 210 10
Р		
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IEC	TO AMPLIFIER	
	L1 L	
D D KWW	1 [°] Ω ⁺ [™] Π [°] Ω ⁺ [™]	
5.5 kW	_ <u> </u> Ŷ₽Ÿ	
5.5 kW		
	96513494 5700396645469 2919 rpm 5.8 m ³ /h 168.6 m 218.8 m 32 32 0 N Vertical Single HQQE CE,EAC,UKCA,SEPRO WRAS,ACS ISO9906:2012 3B A A A Stainless steel EN 1.4408 AISI 316 Stainless steel EN 1.4401 AISI 316 A E SIC 60 °C 25 bar 25 bar / -20 °C PJE DN 32 DN 32 PN 50 FF265	Value [m] 240 CRN 5-32 240 220 A-P-A-E-HQQE 200 180 96513494 5700396645469 200 2919 rpm 160 120 5.8 m³/h 140 160 168.6 m 120 100 218.8 m 32 32 32 32 0 N Vertical 5ingle HQQE CE,EAC,UKCA,SEPRO PMAS,ACS ISO9906:2012 3B A A A A A Stainless steel EN 1.4408 AISI 316 Stainless steel EN 1.4401 F A A A A A A A A A A A A A A A A A A A A B A A B Stainless steel E EN 1.4401 <td< td=""></td<>

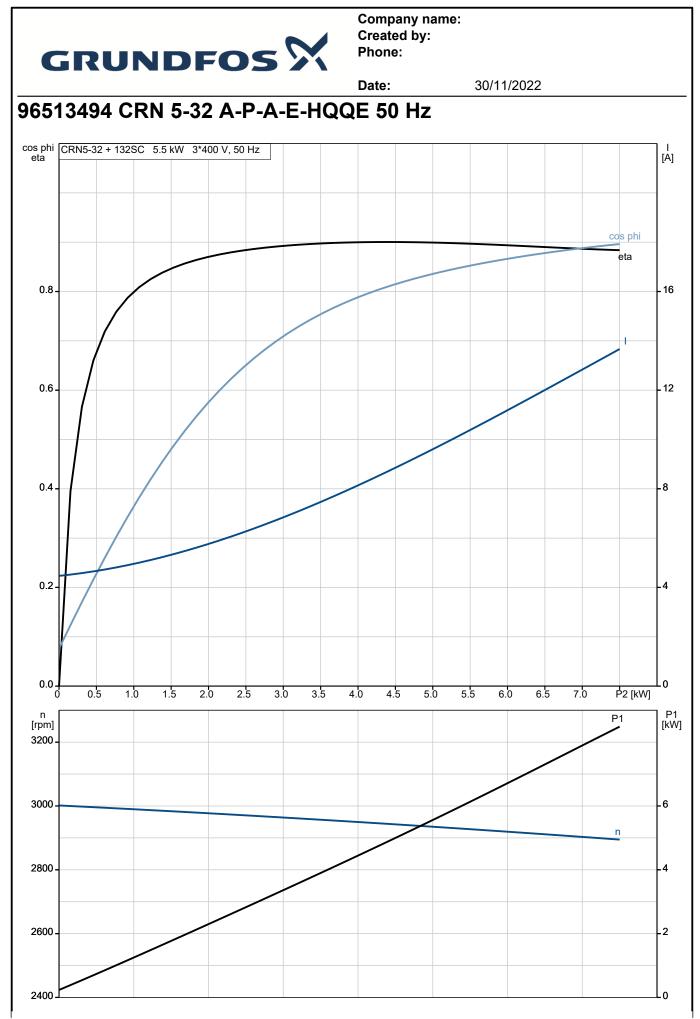








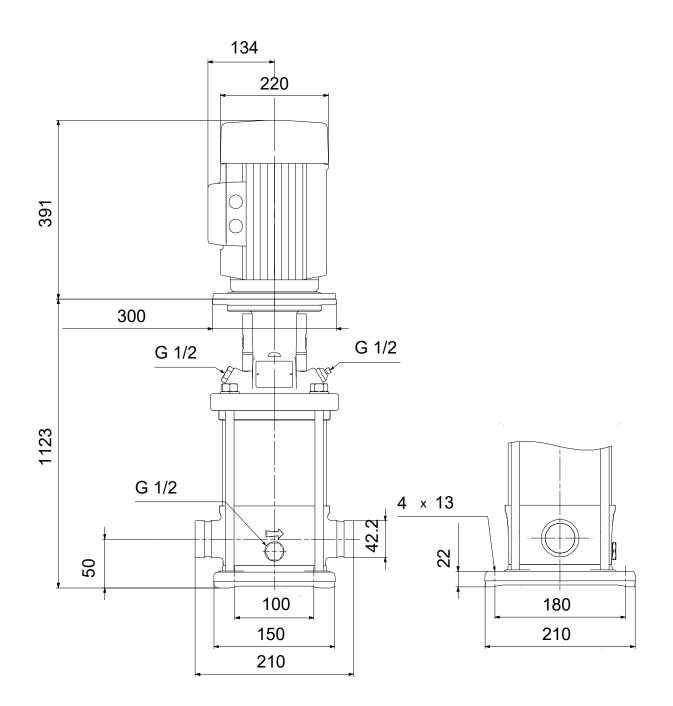
		Date:	30/11/2022
Description	Value		
Starting current:	1080-1180 %		
Cos phi - power factor:	0.87-0.82		
Rated speed:	2920-2940 rpm		
Efficiency:	IE3 89,2%		
Motor efficiency at full load:	89.2 %		
Motor efficiency at 3/4 load:	90.0 %		
Motor efficiency at 1/2 load:	89.6 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Built-in motor protection:	PTC		
Motor No:	85U17417		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.57		
Net weight:	75.6 kg		
Gross weight:	99 kg		
Shipping volume:	0.365 m³		
Danish VVS No.:	385912032		



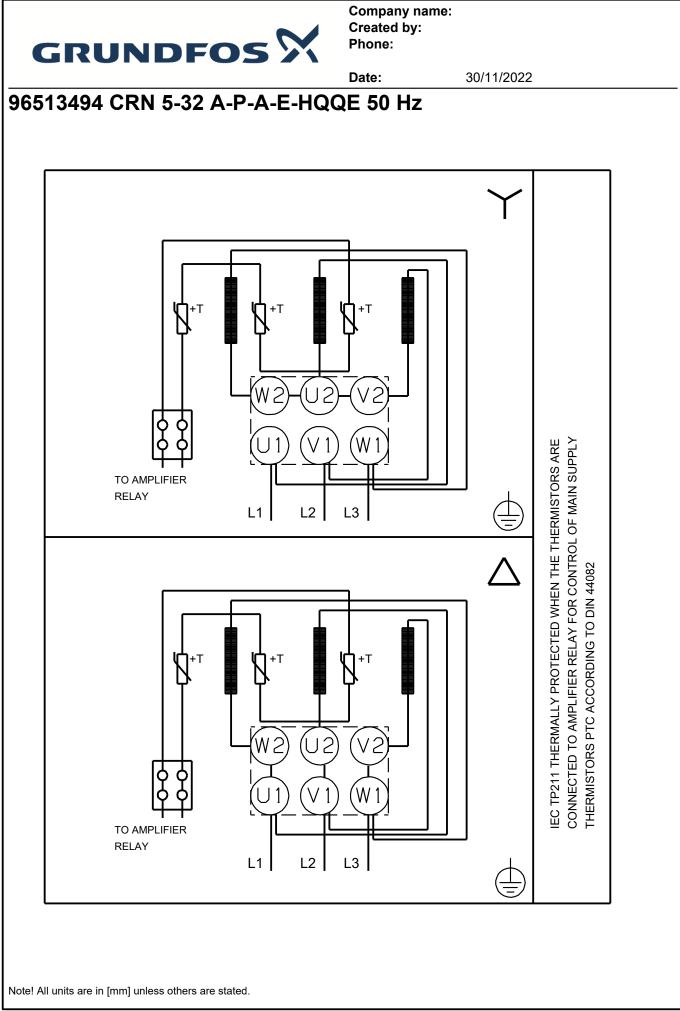


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96513494 CRN 5-32 A-P-A-E-HQQE 50 Hz



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





Your pos.

Position

Company name: Created by: Phone:

Date: 30/11/2022 **Order Data:** Total **Product name** Amount **Product No** CRN 5-32 1 96513494 Price on request Т

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