



	Date:	15/04/2021
Description		
Further product details		
The pump is equipped with a pressure sensor recordenation based on constant pressure.	gistering pump outlet	pressure and enabling controlled pump
The operating panel on the motor terminal box fe indicator.	atures a four-inch TF	T display, push-buttons and the Grundfos Eye
The display gives an intuitive and user-friendly in The push-buttons are used to navigate through th enable setting of required setpoint as well as sett	ne menu structure to a	access pump and performance data on site ar
Communication with the pump is also possible by enables further settings as well as reading out of input" and total "Power consumption".	r means of Grundfos a number of paramet	GO Remote (accessory). The remote control ers such as "Actual value", "Speed", "Power
The Grundfos Eye indicator on the operating pan "Power on": Motor is running (rotating gree 		cation of pump status: not running (permanently green indicator light
 "Warning": Motor is still running (rotating y lights) 	ellow indicator lights)	or has stopped (permanently yellow indicator
• "Alarm": Motor has stopped (flashing red i Steel, cast iron and aluminium components have	C ,	ing made in a cathodic electro-deposition
(CED) process.		
CED is a high-quality dip-painting process where particles as a thin, well-controlled layer on the su	an electrical field aro rface.	und the products ensures deposition of paint
 An integral part of the process is a pretreatment. The entire process consists of these elements: Alkaline-based cleaning. Zinc phosphating. Cathodic electro-deposition. Curing to a dry film thickness 18-22 my m. The colour code for the finished product is NCS 9 	9000/RAL 9005.	
Pump A standard split coupling connects the pump and of two coupling guards.	motor shaft. It is encl	osed in the pump head/motor stool by means
Cause of the company with the company of the compan		
The pump head and flange for motor mounting is component (stainless steel). The pump head has	made in one piece (c a combined 1/2" prin	ast iron). The pump head cover is a separate ning plug and vent screw.
No contraction of the second s		

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



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Qty. | Description

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

Date:

Primary seal:

- 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: FKM (fluorocarbon rubber)

FKM has excellent resistance to oils and chemicals. Above 90 °C, FKM should only be used in media without water.



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 seperate base plate.

This 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 flanges and base are cast in one piece and prepared for connection by means of DIN, ANSI or JIS.

Motor

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

Motor-mounting designation in accordance with IEC 60034-7: IM B 14 (Code I) / IM 3601 (Code II).

Electrical tolerances comply with IEC 60034.

The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2.

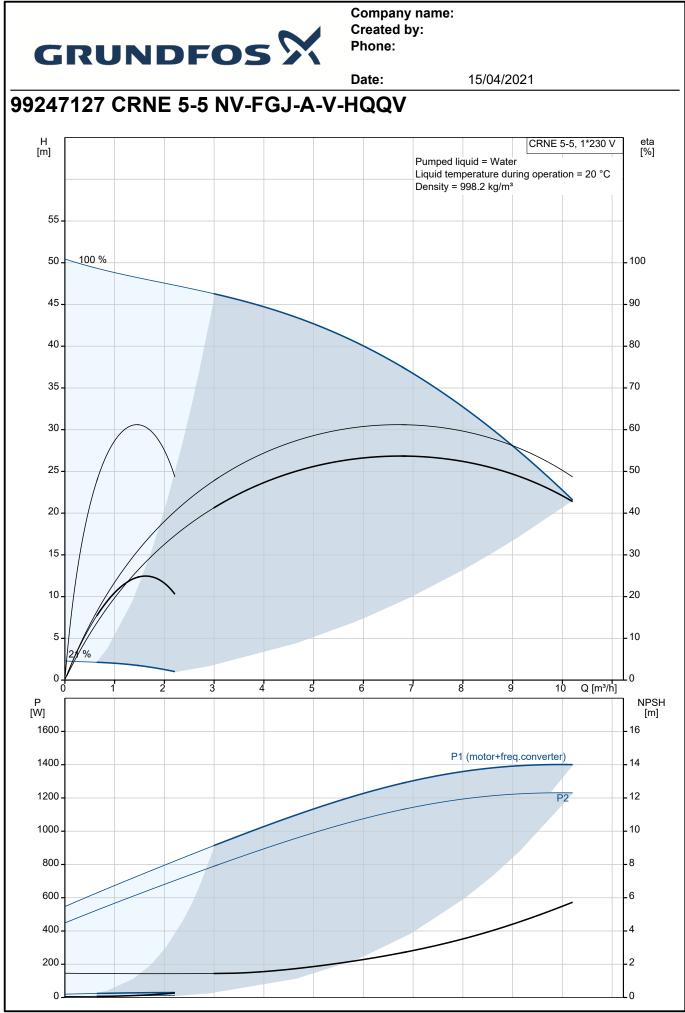
The motor requires no external motor protection. The motor control unit incorporates protection against slow- and quick-rising temperatures, e.g. constant overload and stalled conditions.

Technical data

Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	Water -20 90 °C 20 °C 998.2 kg/m³
Technical: Pump speed on which pump data Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	are based: 3350 rpm 6.9 m³/h 32 m Vertical Single HQQV CE,EAC,UKCA,WRAS ISO9906:2012 3B
Materials: Base:	Stainless steel EN 1.4408 AISI 316



		Date:	15/04/2021	
Description				
Impeller:	Stainless steel			
	EN 1.4401			
	AISI 316			
Bearing:	SIC			
Doarnig.	SIC			
	010			
Installation:				
Maximum ambient temperature	: 50 °C			
Maximum operating pressure:	25 bar			
	25 bar / 90 °C			
Max pressure at stated temp:				
	25 bar / -20 °C			
Type of connection:	DIN / ANSI / JIS			
Size of inlet connection:	DN 25/32			
Size of outlet connection:	DN 25/32			
Pressure rating for connection:	PN 25			
Flange rating inlet:	300 lb			
Flange size for motor:	FT115			
Electrical data:				
Motor standard:	IEC			
Motor type:	90SC			
IE Efficiency class:	IE5			
Rated power - P2:	1.5 kW			
Power (P2) required by pump:	1.5 kW			
Mains frequency:	50 / 60 Hz			
Rated voltage:	1 x 200-240 V			
Rated current:	9.10-7.60 A			
Cos phi - power factor:	0.99			
Rated speed:	360-4000 rpm			
Efficiency:	87.4%			
Motor efficiency at full load:	87.4 %			
Enclosure class (IEC 34-5):	IP55			
Insulation class (IEC 85):	F			
Motor No:	98362278			
Operators				
Controls:	Puilt in			
Frequency converter:	Built-in			
Pressure sensor:	Y			
Others:				
Minimum efficiency index, MEI	≥: 0.57			
	0.00			
DOE Pump Energy Index CL:				
DOE Pump Energy Index VL:	0.00			
Net weight:	30.5 kg			
Gross weight:	33.4 kg			
Shipping volume:	0.143 m³			
Country of origin:	AU			
Custom tariff no.:	8413709062			



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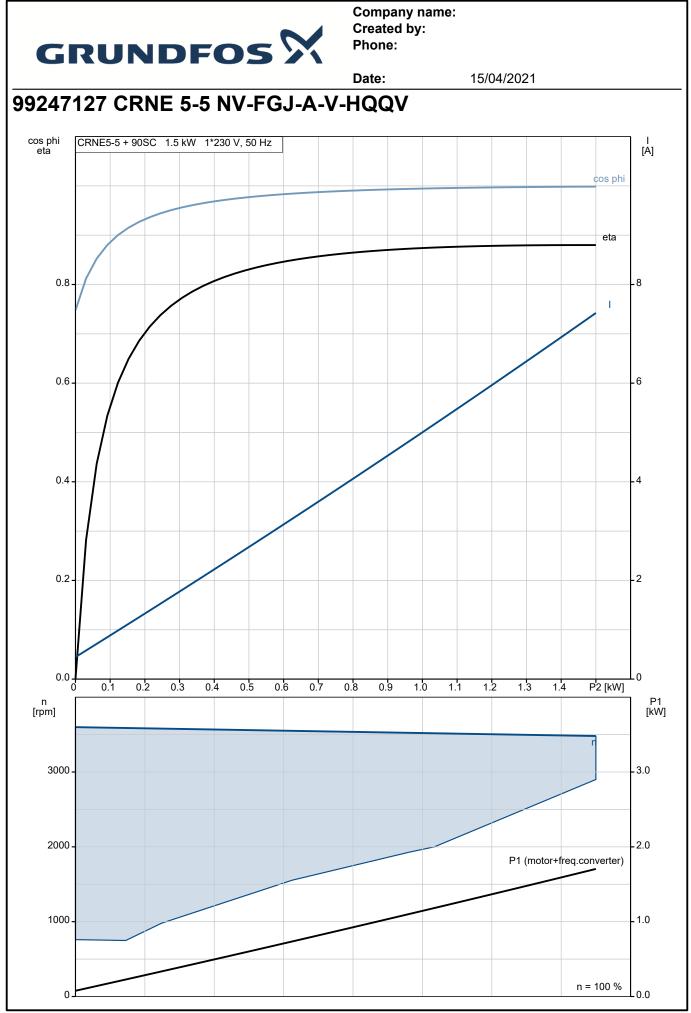


		Date:	15/04/2021	
	Mala.		CRNE 5-5, 1*230 V	eta
Description General information:	Value	[m]	Pumped liquid = Water	[%]
	CRNE 5-5		Liquid temperature during operation = 20 °C Density = 998.2 kg/m ³	
Product name:	NV-FGJ-A-V-HQQV	55 -	Density = 996.2 kg/m-	
Product No:	99247127	50 -	100 %	- 100
EAN number:	5712609468963	45 -		_ 90
Price:	07 12000 400000	45-		- 90
Technical:		40 -		- 80
Pump speed on which pump data are	0050	35 -		-70
based:	3350 rpm			- 10
Rated flow:	6.9 m³/h	30 -		- 60
Rated head:	32 m	25 -		- 50
Maximum head:	47.9 m			– 30
Stages:	5	20 -		- 40
Impellers:	5	15 -		- 30
•			4	- 30
Number of reduced-diameter impellers:	0	10		- 20
Low NPSH:	Ν			10
		5-	%	- 10
Pump orientation:	Vertical	0		Lo
Shaft seal arrangement:	Single	0	2 4 6 8 Q [m³/h]	NP
Code for shaft seal:	HQQV	P [W]		[n
Approvals on nameplate:	CE,EAC,UKCA,WRAS	1400	P1 (motor+freq.converter)	4
Curve tolerance:	ISO9906:2012 3B			
Pump version:	NV	1200 -	P2	- 12
Model:	A	1000 -		- 10
Materials:		800 -		- 8
Base:	Stainless steel	600 -		-6
Base:	EN 1.4408	400 -		_4
Base:	AISI 316	200 -		_2
Impeller:	Stainless steel			Lo
Impeller:	EN 1.4401			_0
Impeller:	AISI 316			
Material code:	A	15		
Code for rubber:	V	•		
Bearing:	SIC	—]		
Bearing:	SIC	534		
Installation:				
Maximum ambient temperature:	50 °C	135 G 1/2	G 1/2	
Maximum operating pressure:	25 bar		F	
· · · · · · · · · · · · · · · · · · ·		¥		
Max pressure at stated temp:	25 bar / 90 °C			
Max pressure at stated temp:	25 bar / -20 °C			
Type of connection:	DIN / ANSI / JIS			
Size of inlet connection:	DN 25/32		150 250 250	
Size of outlet connection:	DN 25/32		250 180 210	
Pressure rating for connection:	PN 25			
Flange rating inlet:	300 lb			
Flange size for motor:	FT115			
Connect code:	FGJ	N ====		
Liquid:				
Pumped liquid:	Water			
Liquid temperature range:	-20 90 °C			
Selected liquid temperature:	20 °C			
Density:	998.2 kg/m³			
Electrical data:	J.			
Motor standard:	IEC			
Motor type:	90SC			
IE Efficiency class:	IE5	<u></u> 63		
			∧ GDBus A ✓ GDBus A ▲ GDBus A ■ GDBus A	
Rated power - P2:	1.5 kW			
Power (P2) required by pump:	1.5 kW			
Mains frequency:	50 / 60 Hz			

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		Date:	15
Description	Value		
Rated voltage:	1 x 200-240 V		
Rated current:	9.10-7.60 A		
Cos phi - power factor:	0.99		
Rated speed:	360-4000 rpm		
Efficiency:	87.4%		
Motor efficiency at full load:	87.4 %		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Notor protec:	ELEC		
Motor No:	98362278		
Controls:			
Control panel:	Graphical		
Function Module:	FM300 - Advanced		
Frequency converter:	Built-in		
Pressure sensor:	Y		
Others:			
/inimum efficiency index, MEI ≥:	0.57		
DOE Pump Energy Index CL:	0.00		
DOE Pump Energy Index VL:	0.00		
Net weight:	30.5 kg		
Gross weight:	33.4 kg		
Shipping volume:	0.143 m³		
Sales region:	Australia		
Config. file no:	99394724		
Country of origin:	AU		
Custom tariff no.:	8413709062		



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