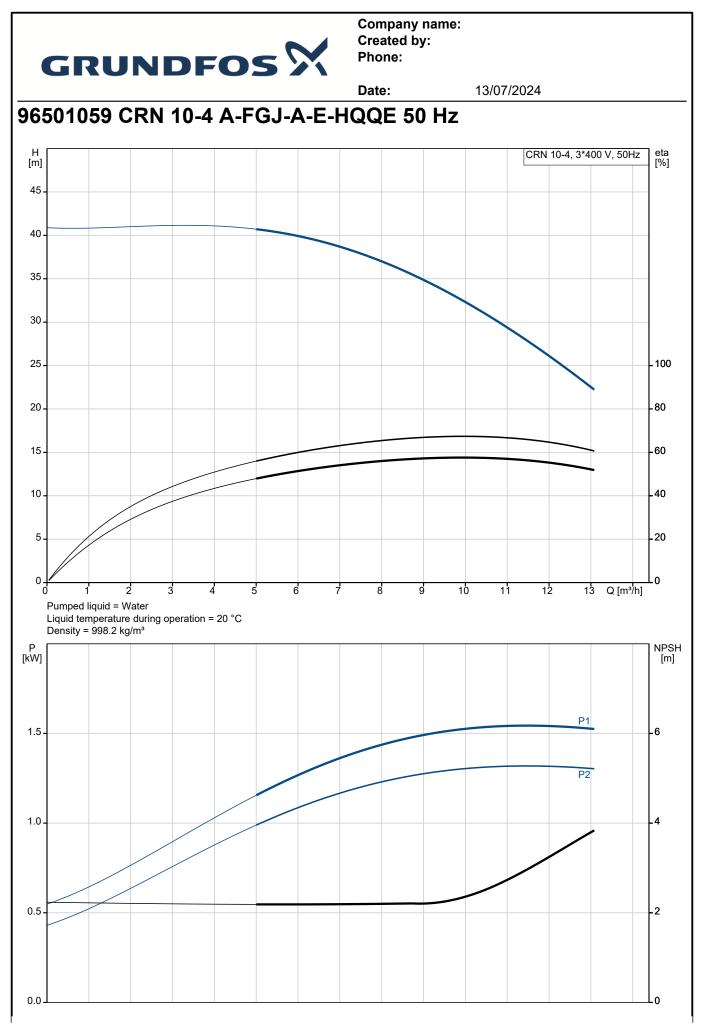
	GRUNDE			Company name: Created by: Phone:		
			Date:	13/07/2024		
Qty.	Description					
1	CRN 10-4 A-FGJ-A-E-HQQE					
	Product No.: 96501059	Note! Product pictu	ire may differ from ac	tual product		
	Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in high-grade stainless steel. A 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 combined DIN-ANSI-JIS flanges. The pump is fitted with a 3-phase, fan-cooled asynchronous motor.					
			nonous motor.			
	Liquid:	Motor				
	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 Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals: Approvals for drinking water: Curve tolerance:	a are based: 2896 10 m³/h 31.9 m Vertical Single HQQE CE,EAC,UKCA,SE WRAS,ACS ISO9906:2012 3B				
	Materials: Base:	Stainless steel				
	Impeller:	EN 1.4408 AISI 316 Stainless steel EN 1.4401				
	Bearing:	AISI 316 SIC				
	Installation:					
		60 %				
	Maximum ambient temperature:	60 C				
		25 bar				
	Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:	25 bar 25 bar / 120 °C				
	Maximum operating pressure: Max pressure at stated temp:	25 bar 25 bar / 120 °C 25 bar / -20 °C				
	Maximum operating pressure: Max pressure at stated temp: Type of connection:	25 bar 25 bar / 120 °C 25 bar / -20 °C DIN / ANSI / JIS				
	Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection:	25 bar 25 bar / 120 °C 25 bar / -20 °C DIN / ANSI / JIS DN 40				
	Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection:	25 bar 25 bar / 120 °C 25 bar / -20 °C DIN / ANSI / JIS DN 40 DN 40				
	Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for connection:	25 bar 25 bar / 120 °C 25 bar / -20 °C DIN / ANSI / JIS DN 40 DN 40 PN 25				
	Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection:	25 bar 25 bar / 120 °C 25 bar / -20 °C DIN / ANSI / JIS DN 40 DN 40				



Company name: Created by: Phone:

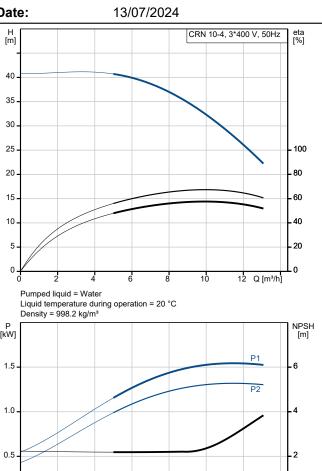
DescriptionElectrical data: Motor standard:IEC Motor type:90SDRated power - P2: Rated power (P2) required by pump: Nains frequency: Rated voltage: S x 220-240D/380-415Y V Rated voltage: S x 220-240D/380-415Y V Rated current: S .70/3.30 A Starting current: Rated speed: 2890-2910 rpm IE Efficiency at 3/4 load: 86.4-84.9 % Motor efficiency at 3/4 load: 86.0-83.0 % Number of poles: 2 Enclosure class (IEC 34-5): S Dust/Jetting Insulation class (IEC 85): F Motor No: 85U01906Controls: Frequency converter: NoneOthers: Terminal box position: Gross weight: Moty af by g Shipping volume: 0.094 m³ Finnish LVI No.:		Date:	13/07/2024
Motor standard:IECMotor type:90SDRated power - P2:1.5 kWPower (P2) required by pump:1.5 kWMains frequency:50 HzRated voltage:3 x 220-240D/380-415Y VRated current:5.70/3.30 AStarting current:750-820 %Cos phi - power factor:0.84-0.78Rated speed:2890-2910 rpmIE Efficiency class:IE3Motor efficiency at full load:84.2 %Motor efficiency at 3/4 load:86.4-84.9 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U01906Controls:Frequency converter:NoneOthers:Terminal box position:6Minimum efficiency index, MEI ≥:0.70Net weight:45 kgGross weight:49 kgShipping volume:0.094 m³	ription		
Motor type:90SDRated power - P2:1.5 kWPower (P2) required by pump:1.5 kWMains frequency:50 HzRated voltage:3 x 220-240D/380-415Y VRated voltage:3 x 220-240D/380-415Y VRated current:5.70'3.30 AStarting current:750-820 %Cos phi - power factor:0.84-0.78Rated speed:2890-2910 rpmIE Efficiency class:IE3Motor efficiency at full load:84.2 %Motor efficiency at 1/2 load:86.4-84.9 %Motor efficiency at 1/2 load:86.0-83.0 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No:85U01906Controls:FFrequency converter:NoneOthers:0.70Terminal box position:6Minimum efficiency index, MEI ≥:0.70Net weight:45 kgGross weight:49 kgShipping volume:0.094 m³			
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Power (P2) required by pump:1.5 kWMains frequency:50 HzRated voltage: $3 \times 220-240D/380-415Y V$ Rated current: $5.70/3.30 A$ Starting current: $750-820 \%$ Cos phi - power factor: $0.84-0.78$ Rated speed: $2890-2910 rpm$ IE Efficiency class:IE3Motor efficiency at full load: 84.2% Motor efficiency at $1/2$ load: $86.4-84.9 \%$ Motor efficiency at $1/2$ load: $86.0-83.0 \%$ Number of poles:2Enclosure class (IEC 34-5): $55 Dust/Jetting$ Insulation class (IEC 85):FMotor No: $85U01906$ Controls:FFrequency converter:NoneOthers:0.70Terminal box position:6Minimum efficiency index, MEI \ge 0.70 Net weight: 49 kg Shipping volume: 0.094 m^3	type: 90	90SD	
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Rated speed: $2890-2910 \text{ rpm}$ IE Efficiency class:IE3Motor efficiency at full load: 84.2% Motor efficiency at 3/4 load: $86.4-84.9 \%$ Motor efficiency at 1/2 load: $86.0-83.0 \%$ Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor No: $85U01906$ Controls:Frequency converter:Frequency converter:NoneOthers: 6 Terminal box position: 6 Minimum efficiency index, MEI \geq : 0.70 Net weight: 45 kg Gross weight: 49 kg Shipping volume: 0.094 m^3	•		
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Motor No: $85U01906$ Controls:Frequency converter:NoneOthers:Terminal box position:6Minimum efficiency index, MEI \geq :0.70Net weight:45 kgGross weight:49 kgShipping volume:0.094 m³			
Controls: Frequency converter:NoneOthers: Terminal box position:6Minimum efficiency index, MEI \geq :0.70Net weight:45 kgGross weight:49 kgShipping volume:0.094 m³			
Frequency converter:NoneOthers: $\end{tabular}$ Terminal box position:6Minimum efficiency index, MEI \geq :0.70Net weight:45 kgGross weight:49 kgShipping volume:0.094 m³	NO. 03	85001906	
Others:Terminal box position:6Minimum efficiency index, MEI ≥:0.70Net weight:45 kgGross weight:49 kgShipping volume:0.094 m³	ols:		
Terminal box position:6Minimum efficiency index, MEI ≥:0.70Net weight:45 kgGross weight:49 kgShipping volume:0.094 m³	ency converter: N	None	
Terminal box position:6Minimum efficiency index, MEI ≥:0.70Net weight:45 kgGross weight:49 kgShipping volume:0.094 m³	s'		
Minimum efficiency index, MEI ≥:0.70Net weight:45 kgGross weight:49 kgShipping volume:0.094 m³		6	
Net weight:45 kgGross weight:49 kgShipping volume:0.094 m³			
Gross weight:49 kgShipping volume:0.094 m³			
Shipping volume: 0.094 m ³			
		1020000	





Company name: Created by: Phone:

		Date:
Description	Value	H [m]
General information:		
Product name:	CRN 10-4 A-FGJ-A-E-HQQE	40 -
Product No:	96501059	35 -
EAN number:	5700396214535	
Technical:		30 -
Pump speed on which pump data are based:	2896 rpm	25 -
Rated flow:	10 m³/h	20
Rated head:	31.9 m	-
Maximum head:	40.8 m	15 -
Stages:	4	10 _
Impellers:	4	_ 10
Number of reduced-diameter impellers:	0	5-
Low NPSH:	Ν	
Pump orientation:	Vertical	0
Shaft seal arrangement:	Single	Pumped
Code for shaft seal:	HQQE	Liquid ter
Approvals:	CE,EAC,UKCA,SEPRO	Density =
Approvals for drinking water:	WRAS,ACS	[kW]
Curve tolerance:	ISO9906:2012 3B	_
Pump version:	А	1.5
Model:	А	_
Materials:		-
Base:	Stainless steel	1.0
Base:	EN 1.4408	-
Base:	AISI 316	- /
Impeller:	Stainless steel	0.5
Impeller:	EN 1.4401	-
Impeller:	AISI 316	_
Material code:	A	0.0
Code for rubber:	E	
Bearing:	SIC	
Installation:		
Maximum ambient temperature:	60 °C	
Maximum operating pressure:	25 bar	
Max pressure at stated temp:	25 bar / 120 °C	
Max pressure at stated temp:	25 bar / -20 °C	
Type of connection:	DIN / ANSI / JIS	
Size of inlet connection:	DN 40	
Size of outlet connection:	DN 40	
Pressure rating for connection:	PN 25	
Flange rating inlet:	300 lb	
Flange size for motor:	FT115	
Connect code:	FGJ	
Liquid:		
Pumped liquid:	Water	
Liquid temperature range:	-20 120 °C	
Selected liquid temperature:	20 °C	
Density:	998.2 kg/m ³	
Electrical data:	555.2 kg/m	
Motor standard:	IEC	
Motor type:	90SD	
Rated power - P2:	1.5 kW	
Power (P2) required by pump:	1.5 kW	
Mains frequency:	50 Hz	
	3 x 220-240D/380-415Y V	
Rated voltage:	5 x 220-240D/300-4131 V	
Rated current:	5.70/3.30 A	
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Company name: Created by: Phone:

		Date:	13/07/2024
Description	Value		
Starting current:	750-820 %		
Cos phi - power factor:	0.84-0.78		
Rated speed:	2890-2910 rpm		
IE Efficiency class:	IE3		
Motor efficiency at full load:	84.2 %		
Motor efficiency at 3/4 load:	86.4-84.9 %		
Motor efficiency at 1/2 load:	86.0-83.0 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Built-in motor protection:	NONE		
Motor No:	85U01906		
Controls:			
Frequency converter:	None		
Others:			
Terminal box position:	6		
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	45 kg		
Gross weight:	49 kg		
Shipping volume:	0.094 m ³		
Finnish LVI No.:	4925609		

