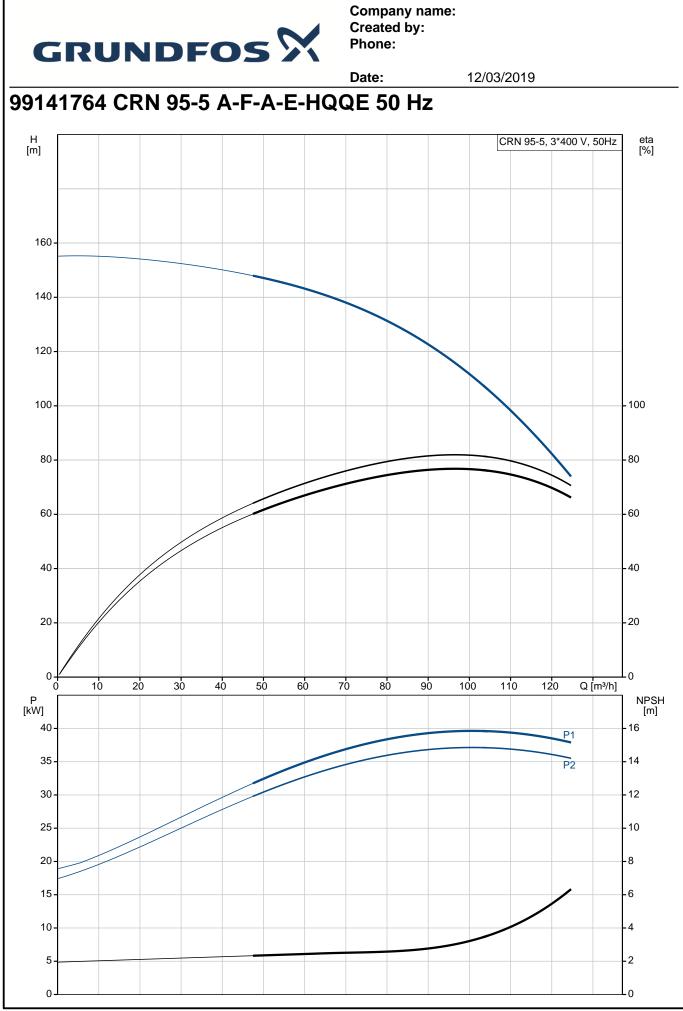
	GRUNDFO	os X	Company name: Created by: Phone:				
			Date:	12/03/2019			
Qty.	Description						
1	CRN 95-5 A-F-A-E-HQQE						
		Note! Product picture	may differ from act	ual product			
	Product No.: 99141764						
	contact with the liquid are in high	-grade stainless stee	<ol> <li>The Grundfos (</li> </ol>	e the level (inline). Pump materials in cartridge shaft seal ensures high reliability, a rigid split coupling. Pipe connection is via			
	The pump is fitted with a 3-phase, fan-cooled asynchronous motor.						
	Controls: Frequency converter:	NONE					
	Liquid:						
	Pumped liquid:	Water					
	Liquid temperature range:	-40 120 °C					
	Liquid temperature during operat						
	Density:	998.2 kg/m <sup>3</sup>					
	Technical:						
	Pump speed on which pump dat	a are based: 2965 r	om				
	Rated flow:	95 m³/h					
	Rated head:	117.1 m					
	Pump orientation:	Vertical					
	Shaft seal arrangement:	Single					
	Code for shaft seal:	HQQE					
	Curve tolerance:	ISO9906:2012 3B					
	Materials:						
	Base:	Stainless steel EN 1.4408					
	Impeller:	Stainless steel EN 1.4401					
	Bearing:	WC/WC					
	Support bearing:	Graflon					
	Material certified according to:	European standards					
	Installation:						
	Maximum ambient temperature:	55 °C					
	Maximum ambient temperature: Maximum operating pressure:	16 bar					
	I maximum operating pressure:	ID DAI					
		16 har / 100 °C					
	Max pressure at stated temp: Type of connection:	16 bar / 120 °C DIN					



Company name: Created by: Phone:

		Date:	12/03/2019				
у.	Description						
	Size of inlet connection:	DN 100					
	Size of outlet connection:	DN 100					
	Pressure rating for pipe connect	tion: PN 16					
	Flange size for motor:	FF350					
	Electrical data:						
	Motor standard:	IEC					
	Motor type:	SIEMENS					
	IE Efficiency class:	IE3					
	Rated power - P2:	37 kW					
	Power (P2) required by pump:	37 kW					
	Mains frequency:	50 Hz					
	Rated voltage:	3 x 380-420D/660-725Y V					
	Rated current:	68,0-63,0/39,0-36,0 A					
	Starting current:	670-670 %					
	Cos phi - power factor:	0.88					
	Rated speed:	2955 rpm					
	Efficiency:	IE3 93,7%					
	Motor efficiency at full load:	93.7-93.7 %					
	Motor efficiency at 3/4 load:	93.9-93.9 %					
	Motor efficiency at 1/2 load:	93.5-93.5 %					
	Number of poles:	2					
	Enclosure class (IEC 34-5):	55 Dust/Jetting					
	Insulation class (IEC 85):	F					
	Others:						
	Net weight:	379 kg					
	Gross weight:	452 kg					
	Shipping volume:	1.14 m³					
	Thrust handling device:	N					
	Approvals:	CE, EAC, ACS, WRAS					
	Country of origin:	GB					
	Custom tariff no.:	84137075					



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## Company name: Created by: Phone:

GRUNDF			
		Date:	12/03/2019
Description General information:	Value	[m]	CRN 95-5, 3*400 V, 50Hz [%]
Product name:	CRN 95-5 A-F-A-E-HQQE	160 -	
Product No:	99141764		
EAN number:	5712607527716	140 -	
Technical:		-	
Pump speed on which pump data are based:	2965 rpm	120 -	
Rated flow:	95 m³/h	100 -	100
Rated head:	117.1 m		
Head max:	154.2 m	80 -	80
Stages:	5		
Impellers:	5	60 -	- 60
Low NPSH:	Ν		
Pump orientation:	Vertical	40 -	- 40
Shaft seal arrangement:	Single	20	20
Code for shaft seal:	HQQE	20-	-20
Curve tolerance:	ISO9906:2012 3B	0	0
Pump version:	A	0 20	40 60 80 100 Q [m³/h]
Model:	A	P [kW]	NPSH [m]
Cooling:	IC 411		Pi
Materials:		35 -	P2 14
Base:	Stainless steel	30 -	12
2000.	EN 1.4408	25 -	- 10
Impeller:	Stainless steel	20-	
	EN 1.4401	15 -	6
Material code:	A	10 -	
Code for rubber:	E	5-	2
Bearing:	WC/WC		
Support bearing:	Graflon		0
Material certified according to:	European standards	315	
Installation:			
Maximum ambient temperature:	55 °C		
Maximum operating pressure:	16 bar		
Maximum operating pressure. Max pressure at stated temp:	16 bar / 120 °C	· · · · · · · · · · · · · · · · · · ·	
Type of connection:	DIN		
Size of inlet connection:	DN 100	G 1/2 G 1	12
Size of outlet connection:	DN 100		
Pressure rating for pipe connection:	PN 16		
		411	<u>8 x 18</u>
Flange size for motor: Connect code:	FF350 F		1/2 4 x 18.5
Liquid:	I		
Pumped liquid:	Water	225	
Liquid temperature range:	-40 120 °C	275	350 419
Liquid temperature during operation:	-40 120 °C 20 °C	<u> </u>	<b>H</b>
Density:	998.2 kg/m <sup>3</sup>		
Electrical data:	330.2 Kg/11		Y
Motor standard:	IEC		
Motor type:	SIEMENS	а — — — — — — — — — — — — — — — — — — —	
IE Efficiency class:			
Rated power - P2:	37 kW	TO AMPLIFIER RELAY	
Power (P2) required by pump:	37 kW		
Mains frequency: Rated voltage:	50 Hz 3 x 380-420D/660-725Y		
	V		
Rated current:	68,0-63,0/39,0-36,0 A		
Starting current:	670-670 %		
Cos phi - power factor: Rated speed:	0.88 2955 rpm	TO AMPLIFIER RELAY	

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Company name: Created by: Phone:

Date: 12/03/2019 Description Value IE3 93,7% Efficiency: Motor efficiency at full load: 93.7-93.7 % Motor efficiency at 3/4 load: 93.9-93.9 % Motor efficiency at 1/2 load: 93.5-93.5 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor protec: PTC 81U15334 Motor No: Controls: Frequency converter: NONE Others: Net weight: 379 kg Gross weight: 452 kg Shipping volume: 1.14 m<sup>3</sup> Thrust handling device: Ν Approvals: CE, EAC, ACS, WRAS Country of origin: GB Custom tariff no .: 84137075