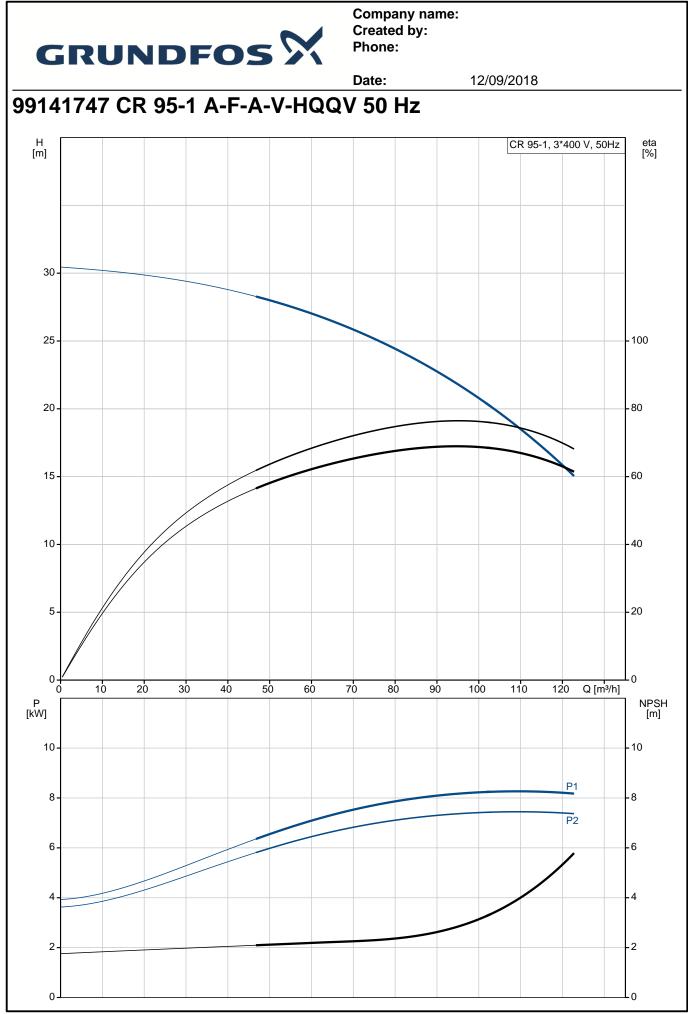
		UNDFOS		Company na Created by: Phone:	ame:		
J		UNDFUS		Date:	12/09/2018		
Position	Qty.	Description		Duto	12,00,2010		
	1	CR 95-1 A-F-A-V-HQQV					
		Product No.: 99141747					
		 Vertical, multistage centrifugal pump with suction and discharge ports on same the level (in-line) enabling installation in a horizontal one-pipe system. 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, saf handling, easy access and service. Power transmission is via a rigid split coupling. Pipework connection is via DIN flanges. The pump is fitted with a 3-phase, fan-cooled asynchronous motor. 					
		Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during opera Density:	Water -20 90 °C tion: 20 °C 998.2 kg/m				
		Technical: Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Curve tolerance:	95 m³/h 21.7 m Vertical Single HQQV ISO9906:20	012 3B			
		Materials: Base: Impeller: Bearing: Support bearing: Material certified according to:	Ductile cas EN 1563 E Stainless s EN 1.4301 WC/WC Graflon European s	N-GJS-500-7 teel			
		Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp: Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connect Flange size for motor:	16 bar 16 bar / 90 DIN DN 100 DN 100) °C			
		Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2:	IEC 132SB IE3 7.5 kW				



Company name: Created by: Phone:

			Date:	12/09/2018
osition	Qty.	-		
		Power (P2) required by pump:		
		Mains frequency:	50 Hz	
		Rated voltage:	3 x 380-415D/660-690Y V	
		Rated current:	14,4-14,0/8,30-8,10 A 780-910 %	
		Starting current: Cos phi - power factor:	0.88-0.82	
		Rated speed:	2910-2920 rpm	
		Efficiency:	IE3 90,1%	
		Motor efficiency at full load:	90.1-90.4 %	
		Motor efficiency at 3/4 load:	90.8 %	
		Motor efficiency at 1/2 load:	90.8 %	
		Number of poles:	2	
		Enclosure class (IEC 34-5):	55 Dust/Jetting	
		Insulation class (IEC 85):	F	
		Controls: Frequency converter:	Not prepared for VFD	
			Not prepared for VI D	
		Others: Net weight:	147 kg	
		Gross weight:	186 kg	
		Shipping volume:	0.664 m ³	
		Thrust handling device:	Ν	
		Approvals:	CE, EAC, ACS, WRAS	
		Country of origin:	GB	
		Custom tariff no.:	84137075	





Company name: Created by: Phone:

		Date:	12/09/2018
Description	Value	H [m]	CR 95-1, 3*400 V, 50Hz [%
General information:			
Product name:	CR 95-1 A-F-A-V-HQQV		
Product No:	99141747	_	
AN number:	5712607527372	30 -	
Price:	3.668,00 GBP	30-	
Technical:	3.000,00 GBI	_	
Rated flow:	95 m³/h	25 -	100
Rated head:	21.7 m	_	
	1	_	
Stages:	1	20 -	80
mpellers:	N	_	
Low NPSH:		15 -	60
Pump orientation:	Vertical	_	
Shaft seal arrangement:	Single	_	
Code for shaft seal:	HQQV	10 -	-40
Curve tolerance:	ISO9906:2012 3B	_ //	
Pump version:	A		
Model:	A	5-	20
Cooling:	IC 411		
laterials:		o /	
Base:	Ductile cast iron		20 40 60 80 100 Q [m³/h]
	EN 1563 EN-GJS-500-7	– P [kW]	NF [1
mpeller:	Stainless steel	10 -	10
	EN 1.4301		P1
Material code:	A	8 -	-8
Code for rubber:	V	_	P2
Bearing:	WC/WC	6 -	-6
Support bearing:	Graflon		
Material certified according to:	European standards	4-	4
nstallation:	European standards	2-	2
Aaximum ambient temperature:	60 °C	_	-
Maximum operating pressure:	16 bar	0	
Max pressure at stated temp:	16 bar / 90 °C		
Type of connection:	DIN DN 400		
Size of inlet connection:	DN 100		
Size of outlet connection:	DN 100		
Pressure rating for pipe connection:	PN 16		
lange size for motor:	FF265		
Connect code:	F		
.iquid:			
Pumped liquid:	Water		
iquid temperature range:	-20 90 °C		
iquid temperature during operation:	20 °C		
Density:	998.2 kg/m ³		
Electrical data:			
Notor standard:	IEC		
Motor type:	132SB		
E Efficiency class:	IE3		
Rated power - P2:	7.5 kW		
Power (P2) required by pump:	7.5 kW		
Mains frequency:	50 Hz		
	3 x 380-415D/660-690Y V		
Rated voltage:			
Rated current:	14,4-14,0/8,30-8,10 A		
Starting current:	780-910 %		
Cos phi - power factor:	0.88-0.82		
Rated speed:	2010-2020 rpm		

2910-2920 rpm

IE3 90,1%

90.8 %

90.1-90.4 %

Rated speed:

Motor efficiency at full load:

Motor efficiency at 3/4 load:

Efficiency:



Company name: Created by: Phone:

		Date:	12/09/2018	
Description	Value			
Motor efficiency at 1/2 load:	90.8 %	_		
Number of poles:	2			
Enclosure class (IEC 34-5):	55 Dust/Jetting			
Insulation class (IEC 85):	F			
Motor protec:	PTC			
Motor No:	85U17522			
Controls:				
Frequency converter:	Not prepared for VFD			
Others:				
Net weight:	147 kg			
Gross weight:	186 kg			
Shipping volume:	0.664 m³			
Thrust handling device:	Ν			
Approvals:	CE, EAC, ACS, WRAS			
Country of origin:	GB			
Custom tariff no .:	84137075			

