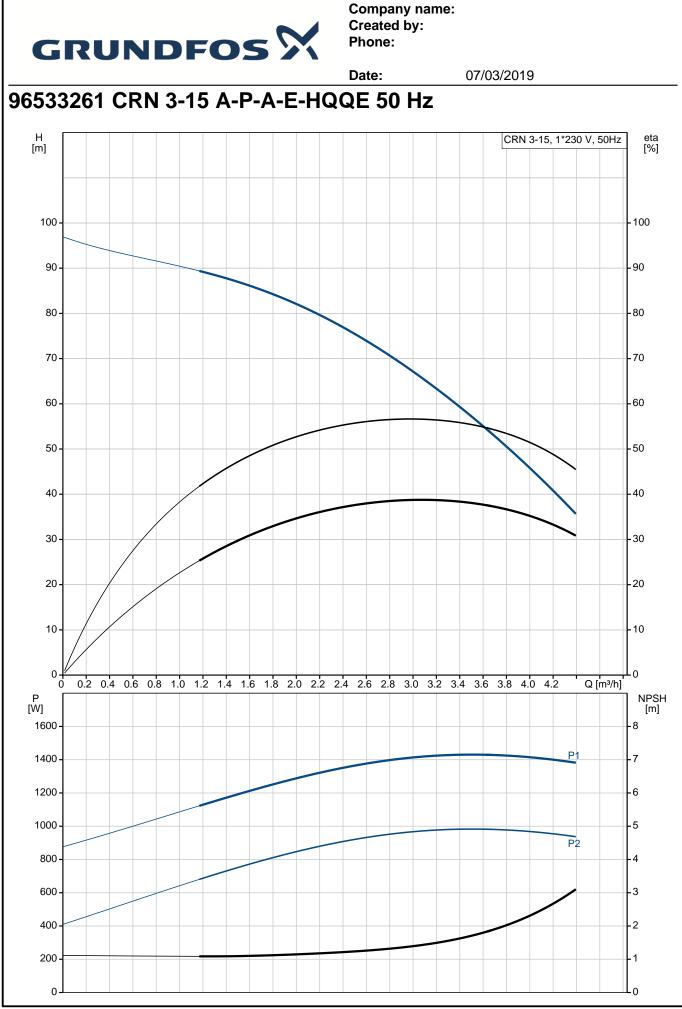
	GRUNDFO	os X	Company name Created by: Phone:	:		
			Date:	07/03/2019		
Qty.	Description					
1	CRN 3-15 A-P-A-E-HQQE					
	Product No.: 96533261					
	Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in high-grade 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 (Victaulic®) couplings.					
	The pump is fitted with a 1-phase					
	Controls:					
	Frequency converter:	NONE				
	Liquid:					
	Pumped liquid:	Water				
	Liquid temperature range:	-20 120 °C				
	Liquid temperature during opera	tion: 20 °C				
	Density:	998.2 kg/m³				
	Technical: Pump speed on which pump dat	a are based: 2780	rom			
	Rated flow:	$3 \text{ m}^3/\text{h}$	ipin			
	Rated head:	66.6 m				
	Pump orientation:	Vertical				
	Shaft seal arrangement:	Single				
	Code for shaft seal:	HQQE				
	Approvals on nameplate:	CE, EAC,ACS				
	Curve tolerance:	ISO9906:2012 3B				
	Materials:					
ſ	Base:	Stainless steel				
1		EN 1.4408				
1		AISI 316				
	Impeller:	Stainless steel EN 1.4401 AISI 316				
	Bearing:	SIC				
	Installation:					
1	Maximum ambient temperature:	40 °C				
ſ	Maximum operating pressure:	25 bar				
	Max pressure at stated temp:	25 bar / 120 °C 25 bar / -20 °C				
1	Type of connection:	PJE				
1	Size of inlet connection:	DN 32				
1		1 1/4 inch				
ſ	Size of outlet connection:	DN 32				
ſ		1 1/4 inch				
ſ	Pressure rating for pipe connect					
	Flange size for motor:	FT115				



Company name: Created by: Phone:

GRUNDF	OS X	Phone:		
		Date:	07/03/2019	
Description				
Electrical data:				
Motor standard:	IEC			
Motor type:	90SB			
Rated power - P2:	1.1 kW			
Power (P2) required by pump:	1.1 kW			
Mains frequency:	50 Hz			
Rated voltage:	1 x 220-230/240 V			
Rated current:	7.40/6.70 A			
Starting current:	390 %			
Cos phi - power factor: Rated speed:	0.98/0.99			
Motor efficiency at full load:	2770 rpm 73-71 %			
Number of poles:	2			
Enclosure class (IEC 34-5):	55 Dust/Jetting			
Insulation class (IEC 85):	F			
	I			
Others:				
Minimum efficiency index, MEI				
Net weight:	34 kg			
Gross weight:	38 kg			
Shipping volume: Country of origin:	0.092 m³ GB			
Custom tariff no.:	84137075			
	04107070			





Company name: Created by: Phone:

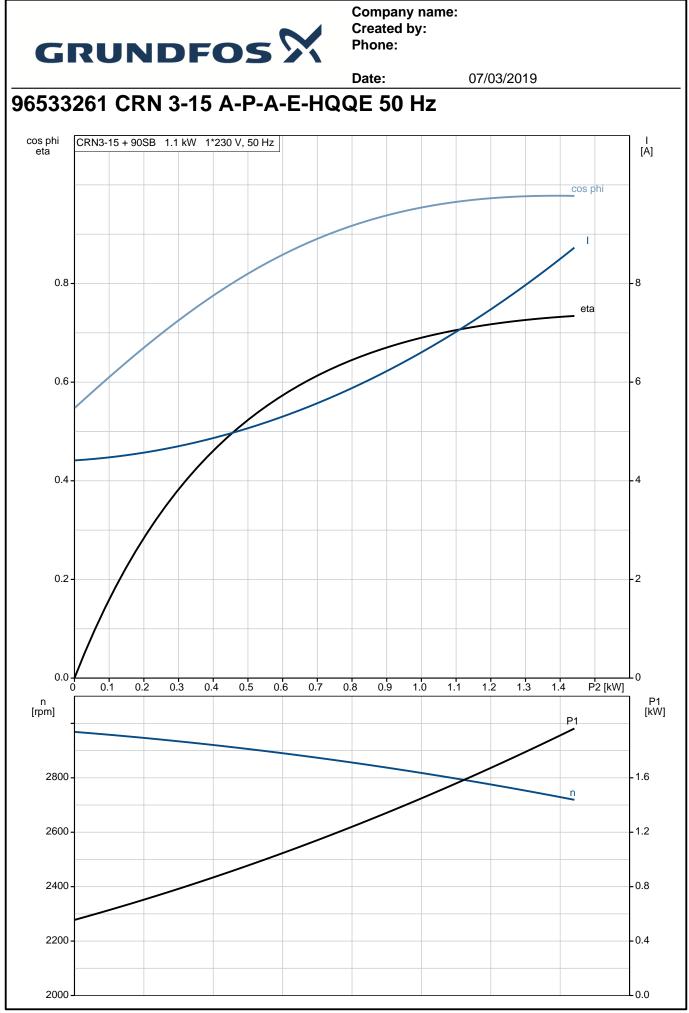
		Date:	07/03/2	2019	
Description	Value	H [m]		CRN 3-15, 1*230	V, 50Hz
General information:					
Product name:	CRN 3-15 A-P-A-E-HQQE	100 -			
Product No:	96533261	90 -			9
EAN number:	5700397440155	— —			
Price:	1.371,00 GBP	80 -			- 8
Technical:					
		70 -			- 7
Pump speed on which pump data are based:	2789 rpm	60 -			- 6
Rated flow:	3 m³/h	50 -			5
Rated head:	66.6 m				
Head max:	96.4 m	40 -			4
Stages:	15	30 -			
Impellers:	15	30 -			
Number of reduced-diameter impellers:	0	20 -			2
Low NPSH:	Ν				
Pump orientation:	Vertical	10 -			
Shaft seal arrangement:	Single	0			0
Code for shaft seal:	HQQE	0 0.5	1.0 1.5 2.0	2.5 3.0 3.5	Q [m³/h]
Approvals on nameplate:	CE, EAC,ACS	P [W]			
Curve tolerance:	ISO9906:2012 3B				
Pump version:	A	1400 -			P 1 7
Model:	A	1200 -			- 6
Materials:		1000 -			5
Base:	Stainless steel	800 -		$\neg $	P2 4
	EN 1.4408	600 -			3
	AISI 316	400 -			
Impollor					
Impeller:	Stainless steel	200 -			
	EN 1.4401	0			L 0
	AISI 316				
Material code:	A		178 178		
Code for rubber:	E		+		
Bearing:	SIC		mtm - 7		
Installation:		0			
Maximum ambient temperature:	40 °C	Ü			
Maximum operating pressure:	25 bar	135			
Max pressure at stated temp:	25 bar / 120 °C	<u>G 1/2</u>	G 1/2		
	25 bar / -20 °C				
Type of connection:	PJE	495			
Size of inlet connection:	DN 32	G 1/2	4 × 13		
	1 1/4 inch				
Size of outlet connection:	DN 32				
	1 1/4 inch	— ' L	100	<u>180</u> 210	
Pressure rating for pipe connection:	PN 50	•	210		
Flange size for motor:	FT115				
Connect code:	P	and Direct	ON OF ROTATION	DIRECTION OF ROT	ATION
Liquid:					
Pumped liquid:	Water	BLACK	I	BLACK	ا ۳
Liquid temperature range:	-20 120 °C			YELLOW	
· · · · ·	-20 120 C				<u>4</u> N
Liquid temperature during operation:					<u>ا_</u> ~ پر
Density:	998.2 kg/m³	= =		۵ (<u>ک</u>) 🗐
Electrical data:	150				
Motor standard:	IEC				
Motor type:	90SB	BLACK		BLACK	
Rated power - P2:	1.1 kW			YELLOW	Ън I
Power (P2) required by pump:	1.1 kW				j⊒_ v
Mains frequency:	50 Hz			WIV UV	j
Rated voltage:	1 x 220-230/240 V)
Rated current:	7.40/6.70 A	U			" (S)

Printed from Grundfos Product Centre [2019.01.000]



Company name: Created by: Phone:

		Date:	07/03/2019
Description	Value		
Starting current:	390 %		
Cos phi - power factor:	0.98/0.99		
Rated speed:	2770 rpm		
Motor efficiency at full load:	73-71 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Motor protec:	PTO		
Motor No:	85215705		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	34 kg		
Gross weight:	38 kg		
Shipping volume:	0.092 m ³		
Sales region:	GB		
Country of origin:	GB		
Custom tariff no.:	84137075		



Printed from Grundfos Product Centre [2019.01.000]