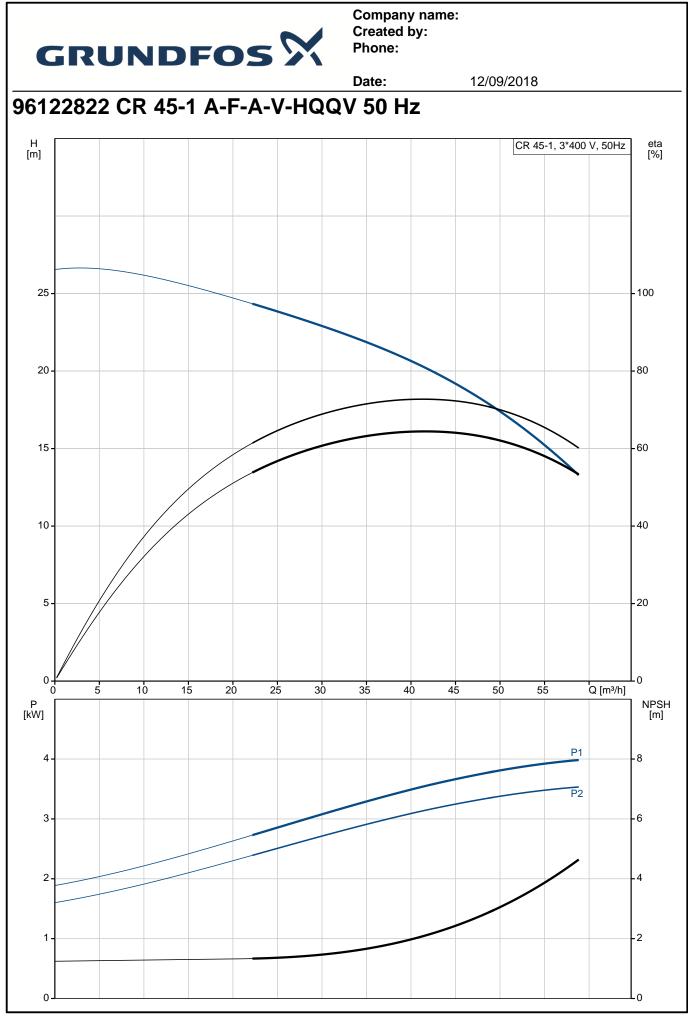
G	D	UNDFOS		Company Created b Phone:			
		UNDFUS		Date:		12/09/2018	
Position	Qty.	Description					
	1	CR 45-1 A-F-A-V-HQQV					
		Product No.: 96122822 Vertical, multistage centrifugal pump with suction and discharge ports on same the level (in-line) enabling installation in a horizontal one-pipe system. The pump head and base are in cast iron – all other wetted parts are in stainless steel. A cartridge shaft seal ensures high reliability, safe handling and easy service and access. 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 operat Density:	Water -20 90 °(tion: 20 °C 998.2 kg/m	;			
		Technical: Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	45 m ³ /h 19.1 m Vertical Single HQQV CE, EAC ISO9906:2	012 3B			
		Materials: Base:		N-GJS-500	-7		
		Impeller:	Stainless s EN 1.4301 AISI 304	steel			
		Bearing: Support bearing:	SIC Graflon				
		Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temp:	16 bar 16 bar / 90				
		Type of connection: Size of inlet connection: Size of outlet connection: Pressure rating for pipe connecti					
		Flange size for motor: Electrical data:	FT130				
		Motor standard:	IEC				



Company name: Created by: Phone:

			Date:	12/09/2018
osition	Qty.	Description		
		Motor type:	112MC	
		IE Efficiency class:	IE3	
		Rated power - P2:	4 kW	
		Power (P2) required by pump:		
		Mains frequency:	50 Hz	
		Rated voltage:	3 x 380-415D V	
		Rated current:	7.9 A	
		Starting current:	1000-1110 %	
		Cos phi - power factor:	0.87-0.87	
		Rated speed:	2920-2940 rpm	
		Efficiency:	IE3 88,1%	
		Motor efficiency at full load:	88.1 %	
		Motor efficiency at 3/4 load:	88.6 %	
		Motor efficiency at 1/2 load:	85.2 %	
		Number of poles:	2	
		Enclosure class (IEC 34-5):	55 Dust/Jetting	
		Insulation class (IEC 85):	F	
		Controls:		
		Frequency converter:	NONE	
		Others: Minimum efficiency index, MEI	. 07	
		Net weight:	93.3 kg	
		Gross weight:	116 kg	
		Shipping volume:	0.309 m ³	
		Country of origin:	GB	
		Custom tariff no.:	84137075	





Company name: Created by: Phone:

Description	Value	H [m]		CR 45-1, 3*400 V, 50Hz
General information:		-		
Product name:	CR 45-1 A-F-A-V-HQQV	_		
Product No:	96122822	_		
EAN number:	5700396688664	_		
Price:	2.180,00 GBP	25 -		
Technical:	2.100,00 001	_		
Rated flow:	45 m³/h	_		
Rated head:	19.1 m	20 -		
		_		
Stages:	1	_		
Impellers:	1	15 -		
Low NPSH:	N	_		
Pump orientation:	Vertical			
Shaft seal arrangement:	Single	10 -		
Code for shaft seal:	HQQV			
Approvals on nameplate:	CE, EAC			
Curve tolerance:	ISO9906:2012 3B	5-		
Pump version:	A	Ŭ //		
Model:	В	/		
Materials:		- <u> </u>		
Base:	Cast iron	o	10 20 30	40 50 Q [m³/h]
	EN 1563 EN-GJS-500-7	P [kW]		
	ASTM A536 80-55-06			P1
Impeller:	Stainless steel	4 -		
		-		P2
	EN 1.4301	3		
	AISI 304	_		
Material code:	A	2-		
Code for rubber:	V			
Bearing:	SIC	- 1-		
Support bearing:	Graflon	· -		
Installation:				
Maximum ambient temperature:	60 °C	0 –		
Maximum operating pressure:	16 bar			
Max pressure at stated temp:	16 bar / 90 °C			
• • •	16 bar / -20 °C			
Type of connection:	DIN			
Size of inlet connection:	DN 80			
Size of outlet connection:	DN 80			
Pressure rating for pipe connection:	PN 40			
Flange size for motor:	FT130			
Connect code:	F			
Liquid:				
Pumped liquid:	Water			
Liquid temperature range:	-20 90 °C			
Liquid temperature during operation:	20 °C			
Density:	998.2 kg/m ³			
Electrical data:				
Motor standard:	IEC			
Motor type:	112MC			
IE Efficiency class:	IE3			
Rated power - P2:	4 kW			
Power (P2) required by pump:	4 kW			
Mains frequency:	50 Hz			
Rated voltage:	3 x 380-415D V			
Rated current:	7.9 A			
Starting current:	1000-1110 %			
Cos phi - power factor:	0.87-0.87			
Rated speed:	2920-2940 rpm			
Efficiency:	•			



Company name: Created by: Phone:

		Date:	12/09/2018
Description	Value		
Motor efficiency at full load:	88.1 %		
Motor efficiency at 3/4 load:	88.6 %		
Motor efficiency at 1/2 load:	85.2 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Motor protec:	PTC		
Motor No:	85U15413		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI :	0.7		
Net weight:	93.3 kg		
Gross weight:	116 kg		
Shipping volume:	0.309 m ³		
Country of origin:	GB		
Custom tariff no .:	84137075		

