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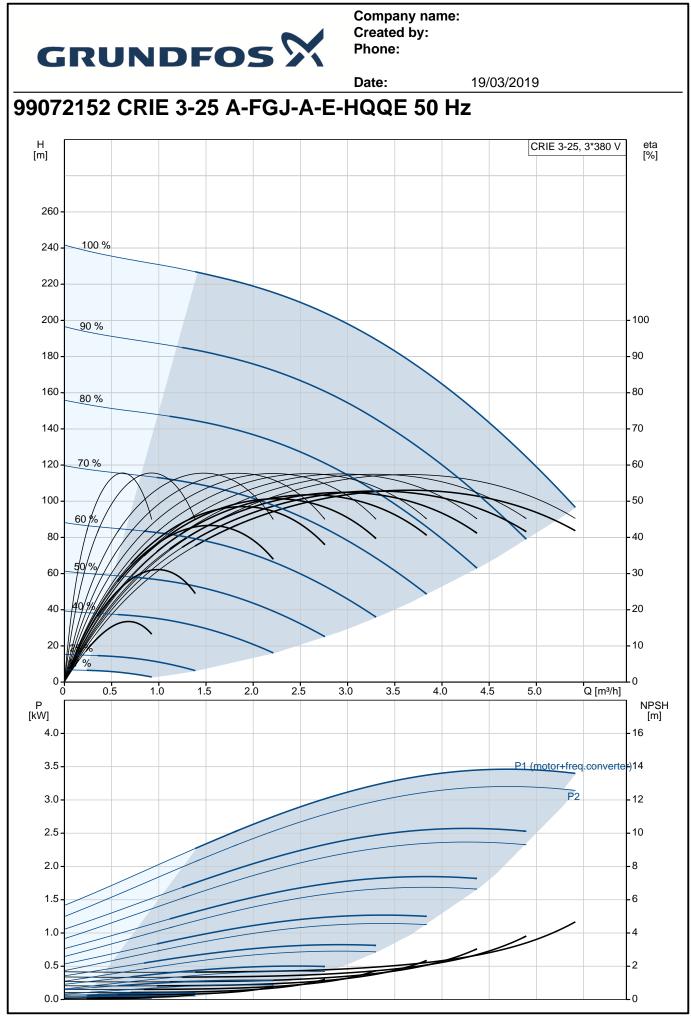
	Date: 19/03/2019
<i>ı</i> .	Description
	CRIE 3-25 A-FGJ-A-E-HQQE
	Note! Product picture may differ from actual product
	Product No.: 99072152
	Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in stainless steel. 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, permanent-magnet, synchronous motor. The motor efficiency is classified as IE5 in accordance with IEC 60034-30-2. The motor includes a frequency converter and PI controller in the motor terminal box. This enables continuously variable control of the motor speed, which again enables adaptation of the performance to a given requirement. An operating panel on the motor terminal box enables setting of required setpoint as well as setting of pump to "Min." or "Max." operation or to "Stop". The Grundfos Eye indicator on the operating panel provides visual indication of pump status:
	 "Power on": Motor is running (rotating green indicator lights) or not running (permanently green indicator lights) "Warning": Motor is still running (rotating yellow indicator lights) or has stopped (permanently yellow
	 indicator lights) "Alarm": Motor has stopped (flashing red indicator lights).
	Communication with the pump is possible by means of Grundfos GO Remote (accessory). The remote control enables further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption".
	 The terminal box has a number of inputs and outputs enabling the motor to be used in advanced applications where many inputs and outputs are required: two dedicated digital inputs
	 three analog inputs, 0(4)-20 mA, 0-5 V, 0-10 V, 0.5 - 3.5 V 5 V voltage supply to potentiometer and sensor one analog output, 0-10 V, 0(4)-20 mA
	 two configurable digital inputs or open-collector outputs two Pt100/Pt1000 inputs
	 LiqTec, dry-running protection sensor input Grundfos Digital Sensor input and output 24 V voltage supply for sensors
	two signal-relay outputs (potential-free contacts)GENIbus connection
	interface for Grundfos CIM fieldbus module. Controls:



erter: Built-i N	n				
Ν	n				
Wate					
	120 °C				
re during operation:					
998.2	kg/m³				
Technical: Pump speed on which pump data are based: 3520 rpm					
3.5 m					
183.6					
: Vertic					
ement: Single					
al: HQQ					
	AC,ACS				
•	906:2012 3B				
0	a a a t 1				
	ess steel				
EN 1.					
AISI 3	ess steel				
EN 1. AISI 3					
SIC	504				
510					
nt temperature: 50 °C					
	0				
	-				
	С				
360-4					
360-4 92.2%	, o				
360-4 92.2% at full load: 92.2	, o				
360-4 92.2% at full load: 92.2 (IEC 34-5): IP55	, o				
360-4 92.2% at full load: 92.2	, o				
	ing pressure: 25 ba stated temp: 25 ba on: DIN / nection: DN 25 inection: FT130 inet: 300 lb notor: FT130 inet: 300 lb inet: 300 lb inet: 300 lb inet: 300 lb inet: 4 kW red by pump: 4 kW inet: 50 Hz inet: 3 x 38 inet: 0.92-0	stated temp: 25 bar / 120 °C 25 bar / -20 °C on: DIN / ANSI / JIS nection: DN 25/32 1 1/4 inch on pipe connection: DN 25/32 1 1/4 inch or pipe connection: PN 25 et: 300 lb notor: FT130 IEC 112MC ss: IE5 2: 4 kW red by pump: 4 kW 50 Hz 3 x 380-500 V 7.60-6.20 A 0.92-0.87	ing pressure: 25 bar stated temp: $25 \text{ bar} / 120 ^{\circ}\text{C}$ $25 \text{ bar} / -20 ^{\circ}\text{C}$ on:DIN / ANSI / JISnection:DN $25/32$ $1 1/4 \text{ inch}$ on ection:DN $25/32$ $1 1/4 \text{ inch}$ or pipe connection:PN 25 et: 300 lb notor:FT130IEC 112MC ss:IE5 $2:$ 4 kW red by pump: 4 kW 50 Hz $3 \times 380-500 \text{ V}$ $7.60-6.20 \text{ A}$ factor: $0.92-0.87$	ing pressure: 25 bar stated temp: 25 bar / 120 °C 25 bar / -20 °C on: DIN / ANSI / JIS nection: DN 25/32 1 1/4 inch or pipe connection: PN 25 et: 300 lb notor: FT130 IEC 112MC ss: IE5 2: 4 kW red by pump: 4 kW : 50 Hz 3 x 380-500 V 7.60-6.20 A	



	GRUNDF		Phone:			
			Date:	19/03/2019		
' .	Description					
	Minimum efficiency index, M Net weight:	ETa‰¥: 0.70 52.9 kg				
	Gross weight:	73.9 kg				
	Shipping volume:	0.285 m ³				
	Country of origin: Custom tariff no.:	GB 84137075				
		01101010				



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		Date:		/03/2019		
Description	Value	H [m]			CRIE 3-25, 3*380 V	eta [%]
General information:						1 .
Product name:	CRIE 3-25	260 -				
Toduct name.	A-FGJ-A-E-HQQE	240 - 1	00 %			
Product No:	99072152	220 -				
EAN number:	5712606205578					400
Price:	3.826,00 GBP	200 - 90	0 %			100
Fechnical:		180 -				- 90
Pump speed on which pump data are based:	3520 rpm		0 %			- 80
Rated flow:	3.5 m³/h	140 -		$\langle \rangle$		- 70
Rated head:	183.6 m	120 - 70	0 %			- 60
Head max:	240.9 m	100 -				- 50
Stages:	25	60	% X X	$\bigcirc / $	1421.	
mpellers:	25	80 -		1/1 1		- 40
		60 - 50		$\langle \rangle$		- 30
Number of reduced-diameter impellers:	0	40 - 40				20
_ow NPSH:	N					
Pump orientation:	Vertical	20 -	%			- 10
Shaft seal arrangement:	Single	0				Lo
Code for shaft seal:	HQQE		0.5 1.0 1.5 2.0	2.5 3.0 3.5 4	.0 4.5 Q [m³/h]	
Approvals on nameplate:	CE, EAC,ACS	P [kW]				NPS [m
Curve tolerance:	ISO9906:2012 3B	0.5			P1 (motor+freq.co	nvørter)
Pump version:	Α	3.5 -				
Model:	A	3.0 -			P2	- 12
Vaterials:		2.5 -				- 10
Base:	Stainless steel	2.0 -				- 8
	EN 1.4408	1.5 -				-6
	AISI 316	1.0				-4
mollor						
Impeller:	Stainless steel	0.5 -				-2
	EN 1.4301	0.0				L ₀
	AISI 304					
Material code:	A		201			
Code for rubber:	E					
Bearing:	SIC					
Installation:		334				
Maximum ambient temperature:	50 °C					
Maximum operating pressure:	25 bar		160			
Max pressure at stated temp:	25 bar / 120 °C		G 1/2 G	/2		
	25 bar / -20 °C			<u>4 x 19 x 27</u>		
Type of connection:	DIN / ANSI / JIS	705	1 X G 1/2	nt —	1	
Size of inlet connection:	DN 25/32				μg	
	1 1/4 inch	42		3 L	2	
Size of outlot connection:				32		
Size of outlet connection:	DN 25/32		150 250	85	4 <u>x 13</u>	
	1 1/4 inch		-	210		
Pressure rating for pipe connection:	PN 25					
Flange rating inlet:	300 lb					
Flange size for motor:	FT130	80	_ <u>T</u> _			
Connect code:	FGJ					
Liquid:			<u></u>			
Pumped liquid:	Water		80			
_iquid temperature range:	-20 120 °C					
_iquid temperature during operation:	20 °C	2257				
Density:	998.2 kg/m ³		11 P130/1300 17 P130/1300 18 AD			
Electrical data:						
Motor standard:	IEC		21 Ligfec 20 GND 22 Ligfec			
		2002 VIII-				
Motor type:	112MC					
E Efficiency class:	IE5		V GENERA V B GENERA B			
Rated power - P2:	4 kW		15 434V 15 434V 8 434V 38 45V			
Power (P2) required by pump:	4 kW					
Mains frequency:	50 Hz					

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Date: 19/03/2019 Description Value 3 x 380-500 V Rated voltage: Rated current: 7.60-6.20 A Cos phi - power factor: 0.92-0.87 Rated speed: 360-4000 rpm Efficiency: 92.2% Motor efficiency at full load: 92.2 % Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F YES Motor protec: Motor No: 98971050 Controls: Control panel: Standard Function Module: FM300 - Advanced Built-in Frequency converter: Ν Pressure sensor: Others: Minimum efficiency index, MEI ≥: 0.70 Net weight: 52.9 kg Gross weight: 73.9 kg Shipping volume: 0.285 m³ Country of origin: GB Custom tariff no .: 84137075

