



Company name: Created by: Phone:

			Date:	20/02/2018
Position	Qty.	Description		
		Rated flow:	3.5 m³/h	
		Rated head:	78.1 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:		
		Base:	Stainless steel	
			EN 1.4408	
			AISI 316	
		Impeller:	Stainless steel	
			EN 1.4301	
			AISI 304	
		Bearing material:	SIC	
		Installation:		
		Maximum ambient temperature:	50 °C	
		Maximum operating pressure:	25 bar	
		Max pressure at stated temp:	25 bar / 120 °C	
			25 bar / -20 °C	
		Type of connection:	FlexiClamp	
		Size of inlet connection:	DN 32	
			1 1/4 inch	
		Size of outlet connection:	DN 32	
			1 1/4 inch	
		Pressure rating:	PN 25	
		Flange size for motor:	FT115	
		Electrical data:		
		Motor standard:	IEC	
		Motor type:	90SC	
		IE Efficiency class:	IE5	
		Rated power - P2:	1.5 kW	
		Power (P2) required by pump:	1.5 kW	
		Mains frequency:	50 Hz	
		Rated voltage:	1 x 200-240 V	
		Rated current:	9,10-7,60 A	
		Cos phi - power factor:	0,99	
		Rated speed:	360-4000 rpm	
		Efficiency:	87,4%	
		Motor efficiency at full load:	87.4 %	
		Enclosure class (IEC 34-5):	IP55	
		Insulation class (IEC 85):	F	
		Controls:		
		Frequency converter:	Built-in	
		Pressure sensor:	N	
		Othere		
		Others: Minimum efficiency index MEL	· 07	
		Minimum efficiency index, MEI		
		Net weight:	27.1 kg	
		Gross weight:	30 kg 0.143 m³	
		Shipping volume:	U. 143 III*	
	1			



## Company name: Created by: Phone:

		·			
Description	Value	H [m]		CRIE 3-11, 1*230 V	- [
General information:					1
Product name:	CRIE 3-11 A-CA-I-E-HQQE	100 -			100
Product No:	98389730	100-	100 %		100
EAN number:	5711494183241	90 -			90
Technical:		80 -	90 %		- 80
Speed for pump data:	3350 rpm				
Rated flow:	3.5 m <sup>3</sup> /h	70 -			70
Rated head:	78.1 m	60 -	80 %		60
Stages:	11				Γ
Impellers:	11	50 -	70%	10AB	- 50
Low NPSH:	N			VVV VV	
Pump orientation:	Vertical	40 -	60 %		40
Shaft seal arrangement:	Single	·			
Code for shaft seal:	HQQE	30 -	50.2		- 30
		20 -			20
Approvals on nameplate:	CE, EAC,ACS	20-	40		20
Curve tolerance:	ISO9906:2012 3B	10 -			10
Pump version:	A		2%		
Model:	A	0	0.5 1.0 1.5 2.0 2.5 3.	0 3.5 4.0 4.5 Q [m³/h]	T <sup>0</sup>
Materiala		о Р Г	0.0 1.0 1.0 2.0 2.5 3.	∪ 3.3 4.0 4.3 Q[m³/h]	
Materials:		[w]			, i
Base:	Stainless steel	1400 -		P1	7
	EN 1.4408				
	AISI 316	1200 -		P2	6
Impeller:	Stainless steel	1000 -			-5
	EN 1.4301	800 -			4
	AISI 304	600 -			-3
Material code:	1	400 -			2
Code for rubber:	E				T2
Bearing material:	SIC	200 -			<b>†</b> 1
		0			Lo
Installation:					
Maximum ambient temperature:	50 °C				
Maximum operating pressure:	25 bar				
Max pressure at stated temp:	25 bar / 120 °C				
	25 bar / -20 °C				
Type of connection:	FlexiClamp				
Connect code:	CA				
Size of inlet connection:	DN 32				
	1 1/4 inch				
Size of outlet connection:	DN 32				
	1 1/4 inch				
Pressure rating:	PN 25				
Flange size for motor:	FT115				
Liquid:					
Pumped liquid:	Water				
Liquid temperature range:	-20 120 °C				
Liquid temperature during operation:	20 °C				
Density:	998.2 kg/m³				
Electrical data:					
	150				
Motor standard:	IEC				
Motor type:	90SC				
IE Efficiency class:	IE5				
Rated power - P2:	1.5 kW				
Power (P2) required by pump:	1.5 kW				
Mains frequency:	50 Hz				
Rated voltage:	1 x 200-240 V				



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Rated current:	9,10-7,60 A		
Cos phi - power factor:	0,99		
Rated speed:	360-4000 rpm		
Efficiency:	87,4%		
Motor efficiency at full load:	87.4 %		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Motor protec:	YES		
Motor No:	98190188		
Controls:			
Control panel:	Standard		
Function Module:	FM300 - Advanced		
Frequency converter:	Built-in		
Pressure sensor:	Ν		
Others:			
Minimum efficiency index, MEI :	0.7		
Net weight:	27.1 kg		
Gross weight:	30 kg		
Shipping volume:	0.143 m³		