	GRUNDFO	os X	Company n Created by: Phone:					
			Date:	08/05/2019				
<b>/</b> .	Description							
	CRI 5-29A-FGJ-A-V-HQQV							
	200							
	Note! Product picture may differ from actual product Product No.: 96528041							
	Vertical, multistage centrifugal p contact with the liquid are in stail access and service. Power trans DIN-ANSI-JIS flanges.	nless steel. A cartric	lge shaft seal en	me the level (inline). Pump materials in sures high reliability, safe handling, and easy Pipe connection is via combined				
	The pump is fitted with a 3-phase, fan-cooled asynchronous motor.							
	Controls:							
	Frequency converter:	NONE						
	Liquid							
	Liquid: Pumped liquid:	Water						
	Pumped liquid:	Water -20 90 °C						
		Water -20 90 °C 20 °C						
	Pumped liquid: Liquid temperature range:	-20 90 °C 20 °C	3					
	Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temper	-20 90 °C 20 °C	3					
	Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temper <b>Technical:</b>	-20 90 °C 20 °C rature: 998.2 kg/m <sup>2</sup>						
	Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temper	-20 90 °C 20 °C rature: 998.2 kg/m <sup>2</sup>						
	Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temper <b>Technical:</b> Pump speed on which pump dat Rated flow: Rated head:	-20 90 °C 20 °C rature: 998.2 kg/m <sup>3</sup> a are based: 2917 5.8 m <sup>3</sup> /h 150.4 m						
	Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temper <b>Technical:</b> Pump speed on which pump dat Rated flow: Rated head: Pump orientation:	-20 90 °C 20 °C rature: 998.2 kg/m <sup>3</sup> a are based: 2917 5.8 m <sup>3</sup> /h 150.4 m Vertical						
	Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temper <b>Technical:</b> Pump speed on which pump dat Rated flow: Rated head: Pump orientation: Shaft seal arrangement:	-20 90 °C 20 °C rature: 998.2 kg/m <sup>3</sup> a are based: 2917 5.8 m <sup>3</sup> /h 150.4 m Vertical Single						
	Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temper <b>Technical:</b> Pump speed on which pump dat Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal:	-20 90 °C 20 °C rature: 998.2 kg/m <sup>3</sup> a are based: 2917 5.8 m <sup>3</sup> /h 150.4 m Vertical Single HQQV						
	Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temper <b>Technical:</b> Pump speed on which pump dat Rated flow: Rated head: Pump orientation: Shaft seal arrangement:	-20 90 °C 20 °C rature: 998.2 kg/m <sup>3</sup> a are based: 2917 5.8 m <sup>3</sup> /h 150.4 m Vertical Single						
	Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temper <b>Technical:</b> Pump speed on which pump dat Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance: <b>Materials:</b>	-20 90 °C 20 °C rature: 998.2 kg/m <sup>3</sup> a are based: 2917 5.8 m <sup>3</sup> /h 150.4 m Vertical Single HQQV CE, EAC ISO9906:2012 3B						
	Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temper <b>Technical:</b> Pump speed on which pump dat Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	-20 90 °C 20 °C rature: 998.2 kg/m <sup>3</sup> a are based: 2917 5.8 m <sup>3</sup> /h 150.4 m Vertical Single HQQV CE, EAC ISO9906:2012 3B Stainless steel EN 1.4408						
	Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temper <b>Technical:</b> Pump speed on which pump dat Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance: <b>Materials:</b>	-20 90 °C 20 °C rature: 998.2 kg/m <sup>3</sup> a are based: 2917 5.8 m <sup>3</sup> /h 150.4 m Vertical Single HQQV CE, EAC ISO9906:2012 3B Stainless steel EN 1.4408 AISI 316 Stainless steel EN 1.4301						
	Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temper <b>Technical:</b> Pump speed on which pump dat Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance: <b>Materials:</b> Base:	-20 90 °C 20 °C rature: 998.2 kg/m <sup>3</sup> a are based: 2917 5.8 m <sup>3</sup> /h 150.4 m Vertical Single HQQV CE, EAC ISO9906:2012 3B Stainless steel EN 1.4408 AISI 316 Stainless steel						
	Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temper <b>Technical:</b> Pump speed on which pump dat Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance: <b>Materials:</b> Base: Impeller:	-20 90 °C 20 °C rature: 998.2 kg/m <sup>3</sup> a are based: 2917 5.8 m <sup>3</sup> /h 150.4 m Vertical Single HQQV CE, EAC ISO9906:2012 3B Stainless steel EN 1.4408 AISI 316 Stainless steel EN 1.4301 AISI 304						
	Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid temper <b>Technical:</b> Pump speed on which pump dat Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance: <b>Materials:</b> Base: Impeller: Bearing:	-20 90 °C 20 °C rature: 998.2 kg/m <sup>3</sup> a are based: 2917 5.8 m <sup>3</sup> /h 150.4 m Vertical Single HQQV CE, EAC ISO9906:2012 3B Stainless steel EN 1.4408 AISI 316 Stainless steel EN 1.4301 AISI 304 SIC						



Company name: Created by: Phone:

5 bar / 90 °C 5 bar / -20 °C DIN / ANSI / JIS DN 25/32 1/4 inch DN 25/32 1/4 inch n: PN 25 00 lb T130	Date:	08/05/2019	
5 bar / -20 °C DIN / ANSI / JIS DN 25/32 1/4 inch DN 25/32 1/4 inch n: PN 25 00 lb			
5 bar / -20 °C DIN / ANSI / JIS DN 25/32 1/4 inch DN 25/32 1/4 inch n: PN 25 00 lb			
DIN / ANSI / JIS DN 25/32 1/4 inch DN 25/32 1/4 inch n: PN 25 00 lb			
N 25/32 1/4 inch N 25/32 1/4 inch n: PN 25 00 lb			
1/4 inch DN 25/32 1/4 inch n: PN 25 00 lb			
N 25/32 1/4 inch n: PN 25 00 lb			
1/4 inch n: PN 25 00 lb			
00 lb			
00 lb			
T130			
=C			
kW			
0 Hz			
x 380-415D V			
.9 A			
000-1110 %			
.87-0.87			
5015415			
4137073			
	0 Hz x 380-415D V .9 A 000-1110 %	12MC E3 kW kW 0 Hz x 380-415D V 9 A 000-1110 % .87-0.87 920-2940 rpm E3 88,1% 8.1 % 8.6 % 5.2 % 5 Dust/Jetting 5U15413 k¥: 0.57 8.5 kg 9.1 kg .257 m <sup>3</sup> B	12MC =3 kW kW 0 Hz x 380-415D V .9 A 000-1110 % .87-0.87 920-2940 rpm =3 88,1% 8.1 % 8.6 % 5.2 % 5 Dust/Jetting 5U15413 *: 0.57 8.5 kg 9.1 kg .257 m <sup>3</sup> B



## Company name: Created by: Phone:

		нГ			CRI 5-20 3	3*400 V, 50Hz	eta
Description General information:	Value	[m]			081 3-29, 3	, +00 v, 50HZ	eta [%]
	CRI	220 -					
Product name:	5-29A-FGJ-A-V-HQQV						
Product No:	96528041	200 -					100
EAN number:	5700397108970	180 -					90
Technical:							
Pump speed on which pump data are based:	2917 rpm	160 -			$\mathbf{N}$		- 80
Rated flow:	5.8 m³/h	140 -					- 70
Rated head:	150.4 m	120 -					- 60
Head max:	197.5 m					$\sim$	
Stages:	29	100 -					- 50
Impellers:	29	80 -					- 40
Number of reduced-diameter impellers:	0						
Low NPSH:	Ν	60 -					- 30
Pump orientation:	Vertical	40 -					20
Shaft seal arrangement:	Single	+0 <b>-</b>					20
Code for shaft seal:	HQQV	20 -	·				- 10
Approvals on nameplate:	CE, EAC						
Curve tolerance:	ISO9906:2012 3B	0	1 2	3 4 4	5 6 7	Q [m³/h]	
Pump version:	Α	P [kW]					NPS
Model:	Α	[κνν] 5 -					[m 10
Materials:		Ĩ				P1	
Base:	Stainless steel	4 -					- 8
	EN 1.4408					P2	
	AISI 316	3-					- 6
Impeller:	Stainless steel						
	EN 1.4301	2-					-4
	AISI 304	1					2
Material code:	Α	1					Ĺ
Code for rubber:	V	0					$\bot_0$
Bearing:	SIC						
Installation:							
Maximum ambient temperature:	60 °C						
Maximum operating pressure:	25 bar						
Max pressure at stated temp:	25 bar / 90 °C						
· · ·	25 bar / -20 °C						
Type of connection:	DIN / ANSI / JIS						
Size of inlet connection:	DN 25/32						
	1 1/4 inch						
Size of outlet connection:	DN 25/32						
	1 1/4 inch						
Pressure rating for pipe connection:	PN 25						
Flange rating inlet:	300 lb						
Flange size for motor:	FT130						
Connect code:	FGJ						
Liquid:							
Pumped liquid:	Water						
Liquid temperature range:	-20 90 °C						
Selected liquid temperature:	20 °C						
Density at selected liquid temperature:	998.2 kg/m <sup>3</sup>						
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:	4 KW 50 Hz						
Rated voltage:	3 x 380-415D V						



Company name: Created by: Phone:

		Date:	08/05/2019	
Description	Value			
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			
Motor protec:	PTC			
Motor No:	85U15413			
Controls:				
Frequency converter:	NONE			
Others:				
Minimum efficiency index, MEI ≥:	0.57			
Net weight:	68.5 kg			
Gross weight:	89.1 kg			
Shipping volume:	0.257 m <sup>3</sup>			
Sales region:	GB			
Country of origin:	GB			
Custom tariff no.:	84137075			