	GRUNDF	osX	Company na Created by: Phone:	me:	
			Date:	07/05/2019	
ty.	Description				
1	CRI 20-17A-FGJ-A-V-HQQV				
	Product No.: 96500618	Note! Product picture may differ from ac ugal pump with inlet and outlet ports on san n stainless steel. A cartridge shaft seal ens fransmission is via a rigid split coupling. P		ame the level (inline). Pump materials in nsures high reliability, safe handling, and easy	
	Vertical, multistage centrifuga contact with the liquid are in s access and service. Power the DIN-ANSI-JIS flanges.	al pump with inlet and o stainless steel. A cartrid ansmission is via a rigio	utlet ports on sam Ige shaft seal ensı d split coupling. Pij	e the level (inline). Pump materials in ures high reliability, safe handling, and easy be connection is via combined	
	access and service. Power tra	ansmission is via a rigio	d split coupling. Pi	e the level (inline). Pump materials in ures high reliability, safe handling, and easy pe connection is via combined	
	access and service. Power tr DIN-ANSI-JIS flanges.	ansmission is via a rigio	d split coupling. Pi	e the level (inline). Pump materials in ures high reliability, safe handling, and easy be connection is via combined	
	access and service. Power the DIN-ANSI-JIS flanges.	ansmission is via a rigio	d split coupling. Pi	e the level (inline). Pump materials in ures high reliability, safe handling, and easy pe connection is via combined	
	access and service. Power tr DIN-ANSI-JIS flanges. The pump is fitted with a 3-ph Controls: Frequency converter:	ansmission is via a rigic nase, fan-cooled asynch	d split coupling. Pi	e the level (inline). Pump materials in ures high reliability, safe handling, and easy pe connection is via combined	
	access and service. Power tr DIN-ANSI-JIS flanges. The pump is fitted with a 3-ph Controls: Frequency converter: Liquid:	ansmission is via a rigic nase, fan-cooled asynch NONE	d split coupling. Pi	e the level (inline). Pump materials in ures high reliability, safe handling, and easy pe connection is via combined	
	access and service. Power tr DIN-ANSI-JIS flanges. The pump is fitted with a 3-ph Controls: Frequency converter: Liquid: Pumped liquid:	ansmission is via a rigio nase, fan-cooled asynch NONE Water	d split coupling. Pi	e the level (inline). Pump materials in ures high reliability, safe handling, and easy be connection is via combined	
	access and service. Power tr DIN-ANSI-JIS flanges. The pump is fitted with a 3-ph Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range:	ansmission is via a rigio nase, fan-cooled asynch NONE Water -20 90 °C	d split coupling. Pi	e the level (inline). Pump materials in ures high reliability, safe handling, and easy be connection is via combined	
	access and service. Power tr DIN-ANSI-JIS flanges. The pump is fitted with a 3-ph Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature:	ansmission is via a rigio nase, fan-cooled asynch NONE Water -20 90 °C 20 °C	d split coupling. Pij	e the level (inline). Pump materials in ures high reliability, safe handling, and easy be connection is via combined	
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	access and service. Power tr DIN-ANSI-JIS flanges. The pump is fitted with a 3-ph Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid tem Technical: Pump speed on which pump	ansmission is via a rigic nase, fan-cooled asynch NONE Water -20 90 °C 20 °C perature: 998.2 kg/m ³ data are based: 2934	d split coupling. Pij	e the level (inline). Pump materials in ures high reliability, safe handling, and easy be connection is via combined	
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	access and service. Power tr. DIN-ANSI-JIS flanges. The pump is fitted with a 3-ph Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid tem Technical: Pump speed on which pump Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance: Materials: Base:	ansmission is via a rigic hase, fan-cooled asynch NONE Water -20 90 °C 20 °C perature: 998.2 kg/m ³ data are based: 2934 21 m ³ /h 202.9 m Vertical Single HQQV CE, EAC ISO9906:2012 3B Stainless steel EN 1.4408 AISI 316	d split coupling. Pij	e the level (inline). Pump materials in tres high reliability, safe handling, and easy be connection is via combined	
	access and service. Power tr DIN-ANSI-JIS flanges. The pump is fitted with a 3-ph Controls: Frequency converter: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density at selected liquid tem Technical: Pump speed on which pump Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance: Materials:	ansmission is via a rigic hase, fan-cooled asynch NONE Water -20 90 °C 20 °C perature: 998.2 kg/m ³ data are based: 2934 21 m ³ /h 202.9 m Vertical Single HQQV CE, EAC ISO9906:2012 3B Stainless steel EN 1.4408 AISI 316 Stainless steel	d split coupling. Pij	e the level (inline). Pump materials in tres high reliability, safe handling, and easy be connection is via combined	
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Company name: Created by: Phone:

			Date:	07/05/2019	
Description					
Installation:					
	ent temperature:				
Maximum opera		25 bar			
Max pressure a	t stated temp:	25 bar / 90 °C			
- <i>i</i>		25 bar / -20 °C			
Type of connec		DIN / ANSI / JIS			
Size of inlet cor	nection:	DN 50			
		2 inch			
Size of outlet co	nnection:	DN 50			
		2 inch			
	for pipe connecti				
Flange rating in		300 lb			
Flange size for	motor:	FF300			
Electrical data					
Motor standard:		IEC			
Motor type:		160LB			
IE Efficiency cla	SS'	IE3			
Rated power - F		18.5 kW			
Power (P2) requ		18.5 kW			
Mains frequenc		50 Hz			
Rated voltage:	y.	3 x 380-415D/660	-690Y V		
Rated current:		34,5-32,5/20,0-18			
Starting current		830-980 %	,0 / (
Cos phi - power		0.89-0.85			
Rated speed:		2940-2950 rpm			
Efficiency:		IE3 92,4%			
Motor efficiency	at full load.	92.4-92.4 %			
Motor efficiency		93.2 %			
Motor efficiency		93.2 %			
Number of pole		2			
Enclosure class		55 Dust/Jetting			
Insulation class		F			
Motor No:	(120 00).	85U17528			
		00011020			
Others:		~ ~ ~ ~			
	ncy index, MEI â				
Net weight:		183 kg			
Gross weight:		214 kg			
Shipping volum		0.619 m ³			
Country of origin		GB			
Custom tariff no	.:	84137075			



Company name: Created by: Phone:

		Н	CRI 20-17, 3*400 V, 50Hz
Description	Value	[m]	
General information:	CRI		
Product name:	20-17A-FGJ-A-V-HQQV	260 -	
Product No:	96500618	240 -	
EAN number:	5700396205427		
Technical:		220 -	
Pump speed on which pump data are based:	2934 rpm	200 -	
Rated flow:	21 m³/h		
Rated head:	202.9 m	160 -	
Head max:	252 m	140 -	
Stages:	17	120 -	
Impellers:	17	100 -	
Number of reduced-diameter impellers:	0		
Low NPSH:	N	80-	
Pump orientation:	Vertical	60 - //	
Shaft seal arrangement:	Single	40-	
Code for shaft seal:	HQQV		
Approvals on nameplate:	CE, EAC	20-	
Curve tolerance:	ISO9906:2012 3B	0 / 5	10 15 20 25 Q [m ³ /h]
Pump version:	A	Р	
Model:	A	[kW]	
Materials:		20 -	P1
Base:	Stainless steel		P2
	EN 1.4408	15 -	P2
	AISI 316		
Impeller:	Stainless steel	10-	
	EN 1.4301		
	AISI 304	5	
Material code:	A		
Code for rubber:	V	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 50		
	2 inch		
Size of outlet connection:	DN 50		
	2 inch		
Pressure rating for pipe connection:	PN 25		
Flange rating inlet:	300 lb		
Flange size for motor:	FF300		
Connect code:	FGJ		
Liquid:	1.00		
Pumped liquid:	Water		
Liquid temperature range:	-20 90 °C		
Selected liquid temperature:	-20 °C		
Density at selected liquid temperature:	20 °C 998.2 kg/m ³		
Electrical data:	330.∠ KY/III°		
Motor standard:	IEC		
Motor type:	160LB		
IE Efficiency class:	IE3		
Rated power - P2:	18.5 kW		
Power (P2) required by pump:	18.5 kW		
Mains frequency:	50 Hz		



Company name: Created by: Phone:

		Date:	07/05/2019
Description	Value		
Rated voltage:	3 x 380-415D/660-690Y V	_	
Rated current:	34,5-32,5/20,0-18,8 A		
Starting current:	830-980 %		
Cos phi - power factor:	0.89-0.85		
Rated speed:	2940-2950 rpm		
Efficiency:	IE3 92,4%		
Motor efficiency at full load:	92.4-92.4 %		
Motor efficiency at 3/4 load:	93.2 %		
Motor efficiency at 1/2 load:	93.2 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Motor protec:	PTC		
Motor No:	85U17528		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	183 kg		
Gross weight:	214 kg		
Shipping volume:	0.619 m ³		
Country of origin:	GB		
Custom tariff no.:	84137075		