	GRUNDF	osX	Company n Created by: Phone:			
			Date:	08/05/2019		
у.	Description					
1	CR 64-7-2A-F-A-V-HQQV					
	-	Note! Product pict	ure may differ from a	ctual product		
	Product No.: 96123565					
	<ul> <li>Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). 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 access and service. Power transmission is via a rigid split coupling. Pipe connection is via DIN flanges.</li> <li>The pump is fitted with a 3-phase, fan-cooled asynchronous motor.</li> </ul>					
	Controls:					
	Frequency converter:	NONE				
	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>					
	Technical:					
	Pump speed on which pump d		7 rpm			
	Rated flow: Rated head:	64 m³/h 147.5 m				
	Pump orientation:	Vertical				
	Shaft seal arrangement:	Single				
	Code for shaft seal:	HQQV				
		CE, EAC				
	Approvals on nameplate: Curve tolerance:	CE, EAC ISO9906:2012 3B				
	Approvals on nameplate: Curve tolerance:					
	Approvals on nameplate:					
	Approvals on nameplate: Curve tolerance: Materials:	ISO9906:2012 3B				
	Approvals on nameplate: Curve tolerance: <b>Materials:</b> Base:	ISO9906:2012 3B Cast iron	-500-7			
	Approvals on nameplate: Curve tolerance: Materials:	ISO9906:2012 3B Cast iron EN 1563 EN-GJS ASTM A536 80-55 Stainless steel	-500-7			
	Approvals on nameplate: Curve tolerance: <b>Materials:</b> Base:	ISO9906:2012 3B Cast iron EN 1563 EN-GJS ASTM A536 80-55 Stainless steel EN 1.4301	-500-7			
	Approvals on nameplate: Curve tolerance: <b>Materials:</b> Base: Impeller:	ISO9906:2012 3B Cast iron EN 1563 EN-GJS ASTM A536 80-55 Stainless steel EN 1.4301 AISI 304	-500-7			
	Approvals on nameplate: Curve tolerance: Materials: Base: Impeller: Bearing:	ISO9906:2012 3B Cast iron EN 1563 EN-GJS ASTM A536 80-55 Stainless steel EN 1.4301 AISI 304 SIC	-500-7			
	Approvals on nameplate: Curve tolerance: <b>Materials:</b> Base: Impeller:	ISO9906:2012 3B Cast iron EN 1563 EN-GJS ASTM A536 80-55 Stainless steel EN 1.4301 AISI 304	-500-7			
	Approvals on nameplate: Curve tolerance: Materials: Base: Impeller: Bearing: Support bearing:	ISO9906:2012 3B Cast iron EN 1563 EN-GJS ASTM A536 80-55 Stainless steel EN 1.4301 AISI 304 SIC	-500-7			
	Approvals on nameplate: Curve tolerance: Materials: Base: Impeller: Bearing:	ISO9906:2012 3B Cast iron EN 1563 EN-GJS ASTM A536 80-55 Stainless steel EN 1.4301 AISI 304 SIC Graflon	-500-7			



Company name: Created by: Phone:

Description		
Maximum operating pressure:	30 bar	
Max pressure at stated temp:	30 bar / 90 °C	
	30 bar / -20 °C	
Type of connection:	DIN	
Size of inlet connection:	DN 100	
Size of outlet connection:	DN 100	
Pressure rating for pipe connec	tion: PN 40	
Flange size for motor:	FF350	
Electrical data:		
Motor standard:	IEC	
Motor type:	SIEMENS	
IE Efficiency class:	IE3	
Rated power - P2:	37 kW	
Power (P2) required by pump:	37 kW	
Mains frequency:	50 Hz	
Rated voltage:	3 x 380-420D/660-725Y V	
Rated current:		
	68,0-63,0/39,0-36,0 A 670-670 %	
Starting current:		
Cos phi - power factor:	0.88	
Rated speed:	2955 rpm	
Efficiency:	IE3 93,7%	
Motor efficiency at full load:	93.7-93.7 %	
Motor efficiency at 3/4 load:	93.9-93.9 %	
Motor efficiency at 1/2 load:	93.5-93.5 %	
Number of poles:	2	
Enclosure class (IEC 34-5):	55 Dust/Jetting	
Insulation class (IEC 85):	F	
Motor No:	81U15334	
Others:		
Minimum efficiency index, MEI	à‰¥: 0.70	
Net weight:	354 kg	
Gross weight:	398 kg	
Shipping volume:	0.808 m <sup>3</sup>	
Country of origin:	GB	
Custom tariff no.:	84137075	



## Company name: Created by: Phone:

		Date:	08/05		_
Description	Value	H [m]		CR 64-7-2, 3*400 V, 50Hz	:
General information:					
Product name:	CR 64-7-2A-F-A-V-HQQV	200 -			_
Product No:	96123565	180 -			
EAN number:	5700396697758	180 -			
Technical:		160 -			_
Pump speed on which pump data are based:	2957 rpm	140 -			
Rated flow:	64 m³/h				
Rated head:	147.5 m	120 -			
Head max:	187 m	100 -			- 100
Stages:	7	100			
Impellers:	7	80 -			- 80
Number of reduced-diameter impellers:	2				
Low NPSH:	N	60 -			- 60
Pump orientation:	Vertical				
Shaft seal arrangement:		40 -			- 40
Code for shaft seal:	Single HQQV	20 -			20
					_ ~
Approvals on nameplate:	CE, EAC	0			Lo
Curve tolerance:	ISO9906:2012 3B	0 10 P	20 30 40	50 60 70 Q [m³/h]	 ] N
Pump version:	A	[kW]			
Model:	В	25			
Materials:		35 -		P2	- 14
Base:	Cast iron	30 -			12
	EN 1563 EN-GJS-500-7	25 - 20 -			- 10 - 8
	ASTM A536 80-55-06				
Impeller:	Stainless steel	15 -			-6
	EN 1.4301	10 -			- 4
	AISI 304	5 -			-2
Material code:	А	0			
Code for rubber:	V	Ũ			Ũ
Bearing:	SIC				
Support bearing:	Graflon				
Installation:					
Maximum ambient temperature:	55 °C				
Maximum operating pressure:	30 bar				
Max pressure at stated temp:	30 bar / 90 °C				
	30 bar / -20 °C				
Type of connection:	DIN				
Size of inlet connection:	DN 100				
Size of outlet connection:	DN 100				
	PN 40				
Pressure rating for pipe connection: Flange size for motor:					
-	FF350				
Connect code:	F				
Liquid:	147.4				
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:	SIEMENS				
IE Efficiency class:	IE3				
Rated power - P2:	37 kW				
Power (P2) required by pump:	37 kW				
Mains frequency:	50 Hz				
	3 x 380-420D/660-725Y				
Rated voltage:	V				



Company name: Created by: Phone:

		Date:	08/05/2019
Description	Value		
Rated current:	68,0-63,0/39,0-36,0 A	_	
Starting current:	670-670 %		
Cos phi - power factor:	0.88		
Rated speed:	2955 rpm		
Efficiency:	IE3 93,7%		
Motor efficiency at full load:	93.7-93.7 %		
Motor efficiency at 3/4 load:	93.9-93.9 %		
Motor efficiency at 1/2 load:	93.5-93.5 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Motor protec:	PTC		
Motor No:	81U15334		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	354 kg		
Gross weight:	398 kg		
Shipping volume:	0.808 m <sup>3</sup>		
Country of origin:	GB		
Custom tariff no.:	84137075		