

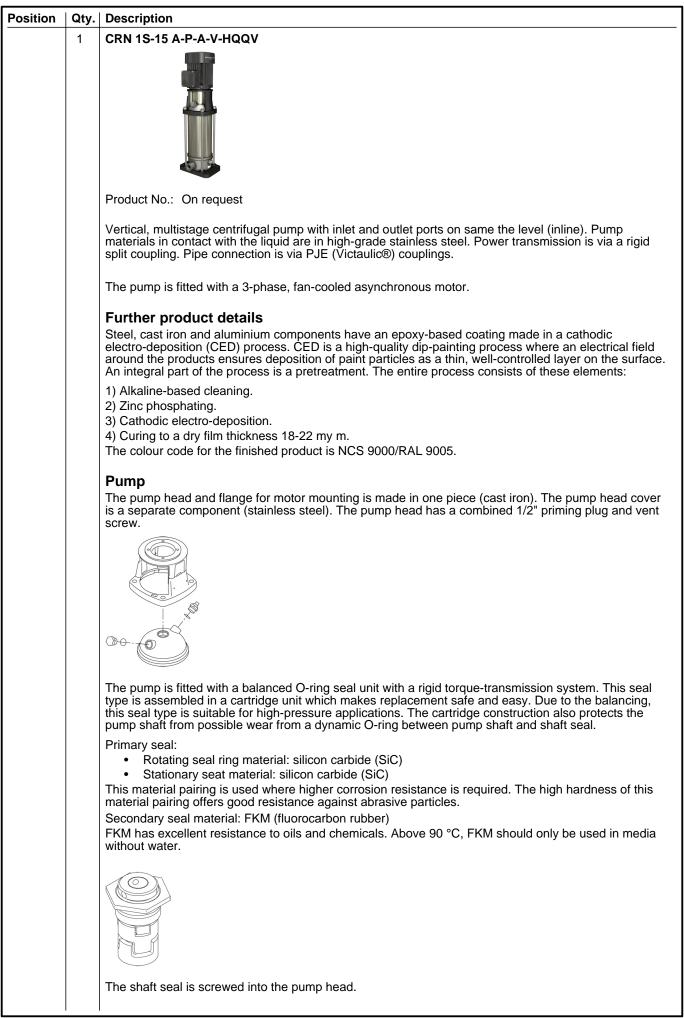
CRN1S-15 A-P-G-V-HQQV 3x230/400 50HZ Grundfos pump 96516087



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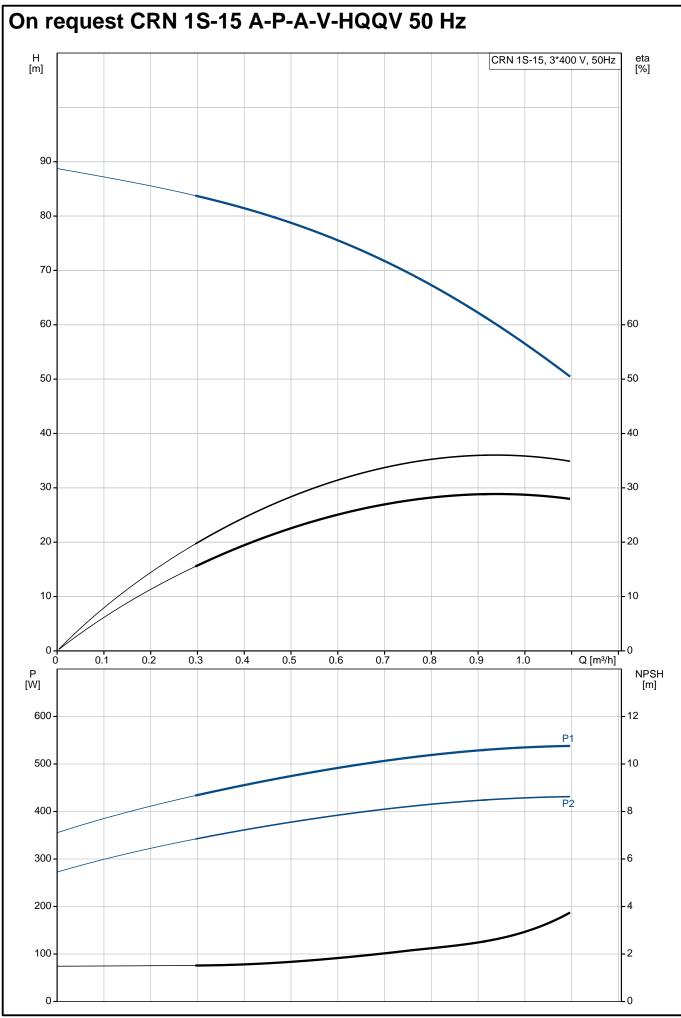
https://www.lenntech.com/grundfos/CRN1S/96516087/CRN-1S-15-A-P-G-V-HQQV.html

info@lenntech.com tel. +31 152 610 900 fax. +31 152 616 289



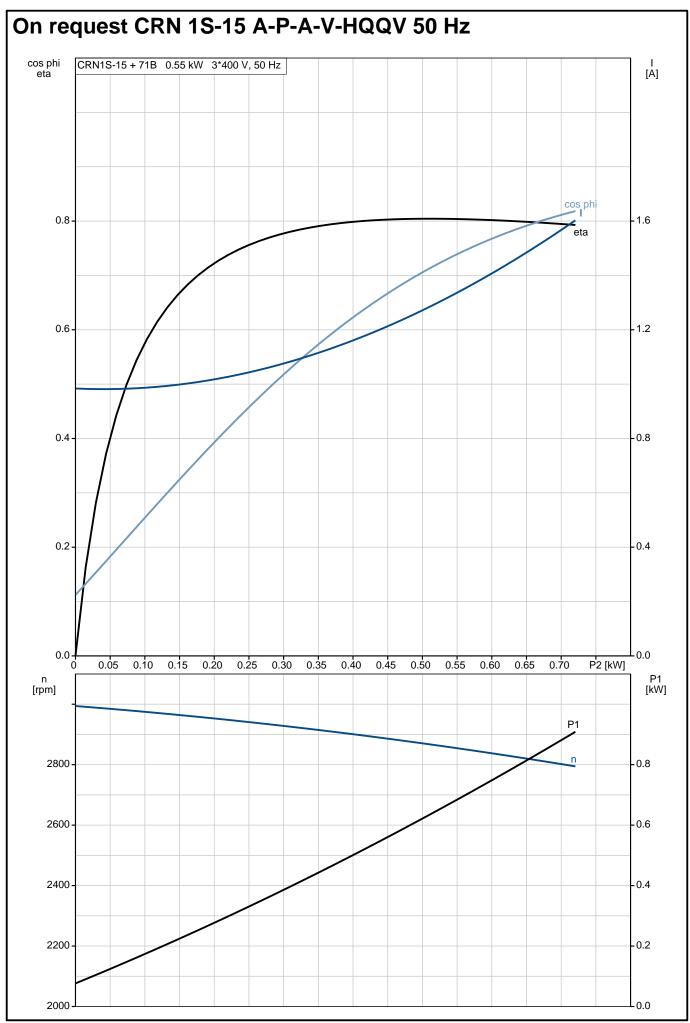
Position	Qty.	Description	
		kept in position by the tension of base has a combined drain plug	base mounted on a separate base plate. The base and base plate are the staybolts which hold the pump together. The outlet side of the and bypass valve. The pump is secured to the foundation by four bolts is prepared for connection by means of PJE (Victualic®) couplings.
		Motor	
			an-cooled motor with principal dimensions to IEC and DIN standards. h tapped-hole flange (FT).
		Electrical tolerances comply with The motor efficiency is classified The motor does not incorporate	ccordance with IEC 60034-7: IM B 14 (Code I) / IM 3601 (Code II). IEC 60034. as IE3 in accordance with IEC 60034-30-1. motor protection and must be connected to a motor-protective circuit reset. The motor-protective circuit breaker must be set according to the
		Technical data	
		Controls: Frequency converter:	NONE
		Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation Density:	Water -20 90 °C tion: 20 °C 998.2 kg/m ³
		Technical: Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	0.9 m ³ /h 59.5 m Vertical Single HQQV CE, EAC ISO9906:2012 3B
		Materials:	
		Base: Impeller:	Stainless steel EN 1.4408 AISI 316 Stainless steel EN 1.4401
		Bearing:	AISI 316 SIC
		Installation:	
		Maximum ambient temperature: Maximum operating pressure:	25 bar
		Max pressure at stated temp:	25 bar / 90 °C 25 bar / -20 °C
		Type of connection: Size of inlet connection:	PJE
		Size of inlet connection:	DN 32 1 1/4 inch DN 32
			1 1/4 inch
		Pressure rating for pipe connecti	on: PN 50

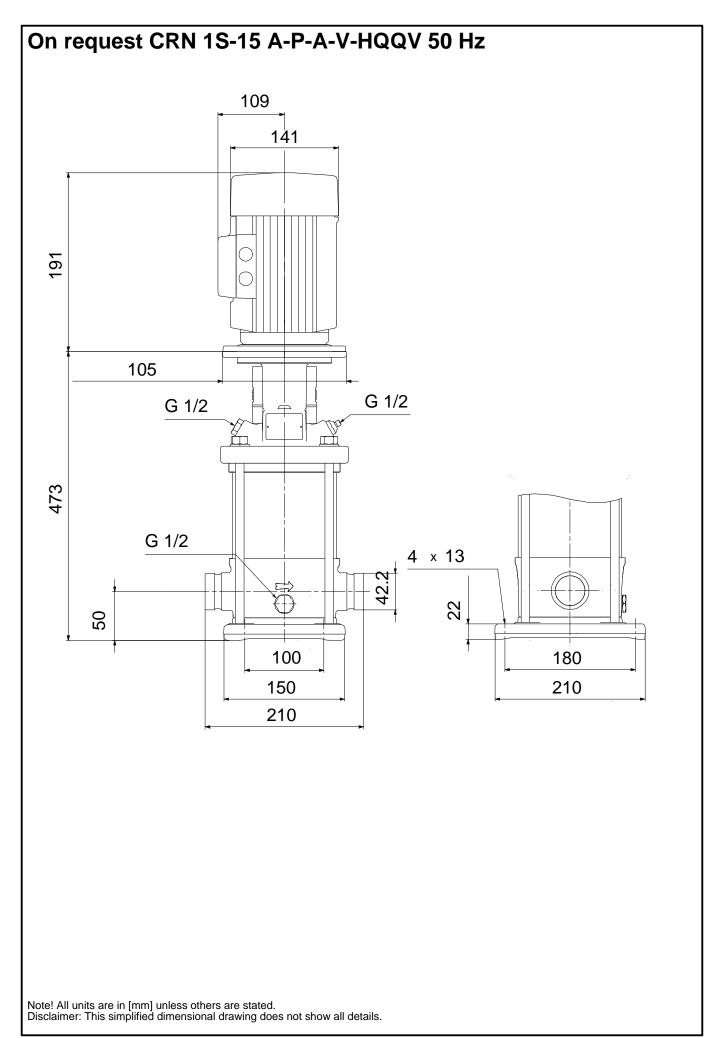
Position	Qty.	Description	
		Flange size for motor:	FT85
		Electrical data:	
		Motor standard:	IEC
		Motor type: IE Efficiency class:	71B IE3
		Rated power - P2:	0.55 kW
		Power (P2) required by pump:	0.55 kW
		Mains frequency:	50 Hz
		Rated voltage: Rated current:	3 x 220-240D/380-415Y V 2.50/1.44 A
		Starting current:	580-620 %
		Cos phi - power factor:	0.80-0.70
		Rated speed: Efficiency:	2830-2850 rpm IE3 77,8%
		Motor efficiency at full load:	77.8 %
		Motor efficiency at 3/4 load:	81.5 %
		Motor efficiency at 1/2 load: Number of poles:	79.5 % 2
		Enclosure class (IEC 34-5):	55 Dust/Jetting
		Insulation class (IEC 85):	F
		Others:	
		Minimum efficiency index, MEI	
		Net weight: Gross weight:	20.8 kg 23.7 kg
		Shipping volume:	0.074 m ³
		n Tos Product Contro [2018 06 002]	3/13

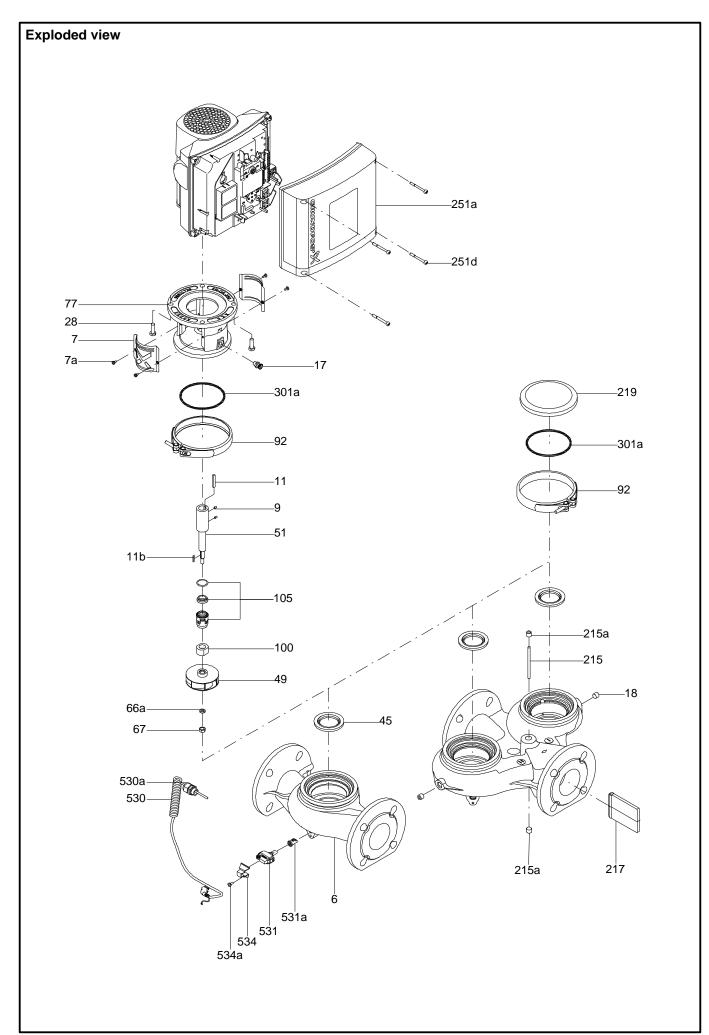


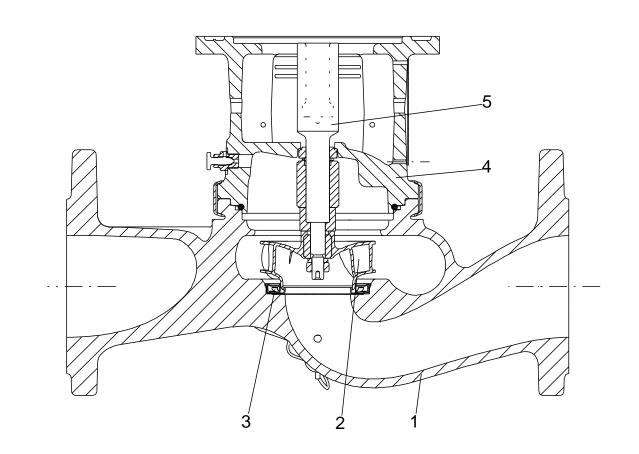
		H. CRN 1S-15, 3*400 V, 50Hz eta
Description	Value	[m]
General information:		
Product name:	CRN 1S-15 A-P-A-V-HQQV	
Product No:	On request	90 -
EAN number:	On request	
Technical:		80-
Rated flow:	0.9 m³/h	
Rated head:	59.5 m	70
Stages:	15	
Impellers:	15	60 - 60
	15	
Number of reduced-diameter impellers: Low NPSH:	0 N	50 - 50
	Vertical	40
Pump orientation:		30 - 30
Shaft seal arrangement:	Single	
Code for shaft seal:	HQQV	20 - 20
Approvals on nameplate:	CE, EAC	20
Curve tolerance:	ISO9906:2012 3B	10 - 10
Pump version:	A	
Model:	A	
Materials:		0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 Q [m³/h]
Base:	Stainless steel	P [W] NPSH [m]
	EN 1.4408	
	AISI 316	P1
Impeller:	Stainless steel	500 - 10
	EN 1.4401	400 - P2 - 8
	-	
	AISI 316	300 - 6
Material code:	A	
Code for rubber:	V	200 - 4
Bearing:	SIC	100 - 2
Installation:		
Maximum ambient temperature:	40 °C	0-1
Maximum operating pressure:	25 bar	109
Max pressure at stated temp:	25 bar / 90 °C	
	25 bar / -20 °C	
Type of connection:	PJE	
Size of inlet connection:	DN 32	
	1 1/4 inch	
Size of outlet connection:	DN 32	
Size of outlet connection.	1 1/4 inch	
Description for airestant stime		G 1/2 G 1/2
Pressure rating for pipe connection:	PN 50	
Flange size for motor:	FT85	
Connect code:	Р	
Liquid:		<u>G 1/2</u>
Pumped liquid:	Water	
Liquid temperature range:	-20 90 °C	
Liquid temperature during operation:	20 °C	
Density:	998.2 kg/m³	150 210
Electrical data:		
Motor standard:	IEC	
Motor type:	71B	
IE Efficiency class:	IE3	
Rated power - P2:	0.55 kW	
Power (P2) required by pump:	0.55 kW	
Mains frequency:	50 Hz	
Rated voltage:	3 x 220-240D/380-415Y V	
Rated current:	2.50/1.44 A	
Starting current:	580-620 %	
Cos phi - power factor:	0.80-0.70	LOW VOLTAGE DIRECTION OF ROTATION
Rated speed:	2830-2850 rpm	
Efficiency:	IE3 77,8%	
Emolorioy		
	11.8 %	
Motor efficiency at full load:	77.8 % 81.5 %	
Motor efficiency at full load: Motor efficiency at 3/4 load:	81.5 %	
Motor efficiency at full load:		

Description	Value
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protec:	NONE
Motor No:	85805103
Controls:	
Frequency converter:	NONE
Others:	
Minimum efficiency index, MEI :	0.54
Net weight:	20.8 kg
Gross weight:	23.7 kg
Shipping volume:	0.074 m³

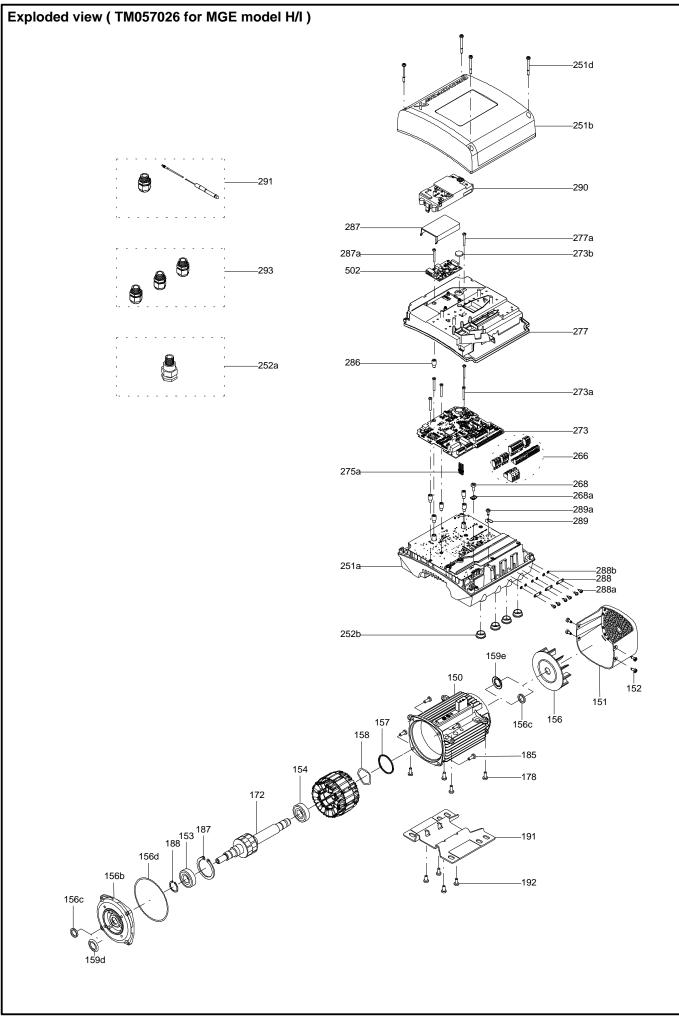








TM058200



Parts list CRN 1S-15, Product No. On request Valid from 1.1.2004 (0401)

Pos	Description Motor	Annotation	Données de classification	Reference		antité	Unit
					1		pcs
•	Base cpl.					_	pcs
6	Base					1	
25	Plug					2	
56	Base plate					1	
	Sealing parts				1		pcs
25	Drain plug w/bypass valve					1	
38	O-ring		Diameter: 16,3			1	
			Material type: FKM				
			Thickness: 2,4				
37	O-ring		Diameter: 137,5			2	
			Material type: FKM				
			Thickness: 3,3				
100	O-ring		Diameter: 16,3			2	
	09		Material type: FKM			-	
			Thickness: 2,4				
2	Pump boad col		Thickie33. 2,4		1		nce
2	Pump head cpl.					1	pcs
	Pump head					1	
7	Coupling guard					2	
7.a	Combi Slot Torx screw					4	
18	Air vent screw					1	
	Plug					1	
	Spindle					1	
23a	Plug					1	
28	Hex head screw		Length (mm): 20			4	
			Thread: M6				
60	Formed wire spring					1	
77	Pump cover					1	
8	Coupling				1		pcs
9	Hex socket head cap screw		Designation: DIN 912			4	-
			Length (mm): 20				
			Thread: M6				
10	Shaft pin		Diameter: 5			1	
	P		Length (mm): 26			•	
10a	Coupling half		2011gui (mini). 20			2	
10a 26	Staybolt		Length (mm): 367		4	-	nce
20	σιαγροιί		• • •		4		pcs
20	N1t		Thread: M12		٨		
36	Nut		Thread: M12		4		pcs
55	Outer sleeve		D / / DIL/		1		pcs
66a	Washer		Designation: DIN 125 A2		4		pcs
			Internal diameter: 13				
			Outer diameter: 24				
			Thickness: 2,5				
80	Chamber stack				1		pcs
4	Chamber cpl.					12	
4a	Intermediate chamber					1	
45	Neck ring					1	
65	Neck ring retainer					1	
4a	Chamber w. bearing cpl.					2	
4a	Intermediate chamber					- 1	
45	Neck ring					. 1	
45 65	Neck ring retainer					1	
5a	Chamber cpl.					1	
4a	Intermediate chamber					1	
45	Neck ring					1	
65	Neck ring retainer					1	
36	Lock nut		Thread: M8			1	
47a	Bearing ring, rotating					2	
49	Impeller cpl.					15	

Pos	•	Annotation	Données de classification	Référence	Quantité	Unité
49	Impeller				1	
50a	Guide vane				1	
	Plate				1	
50b	Top plate				1	
51	Shaft, spline, cpl.				1	
51	Shaft				1	
62	Stop ring				1	
64a	Spacing pipe				12	
64a	Spacing pipe		Internal diameter: 12,85		2	
			Outer diameter: 15,85			
			Length (mm): 4,50			
64c	Clamp, splined		Internal diameter: 8,5		1	
			Outer diameter: 15			
66	Wedge lock washer				1	
105	Shaft seal		Material type: HQQV		1	pcs
	O-ring				1	
	O-ring				1	
	O-ring				1	
	Seal driver, upper				1	
	Seal driver, lower				1	
	Spacer ring				1	
	Pipe				1	
	Plug				1	
	Plug				1	
	Compression spring				1	
	Socket set screw				3	
103	Seal ring, stationary				1	
105	Seal ring, rotating				1	
109	O-ring				1	
113	Driver				1	

Disclaimer: The information about the Grundfos pump in this document may be outdated. Data may be subject to alterations without further notice. Please contact us to verify the data above is still accurate/up-to-date.

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info@lenntech.com https://www.lenntech.com tel. +31 152 610 900 fax. +31 152 616 289