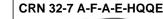


17/02/2019

Qty. | Description

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Product No.: 96122363

Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). Pump materials in contact with the liquid are in high-grade 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.

The pump is fitted with a 3-phase, fan-cooled asynchronous motor.

Further product details

Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An integral part of the process is a pretreatment. The entire process consists of these elements:

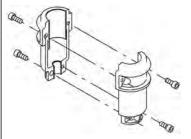
1) Alkaline-based cleaning.

- 2) Zinc phosphating.
- Cathodic electro-deposition.
- 4) Curing to a dry film thickness 18-22 my m.

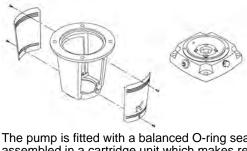
The colour code for the finished product is NCS 9000/RAL 9005.

Pump

A long split coupling connects the pump and motor shaft. It is enclosed in the motor stool by means of two coupling guards. The long coupling makes it possible to replace the shaft seal without removing the motor from the pump.



The motor stool connects the pump head and motor. The pump head has a combined 1/2" priming plug and vent screw.



The pump is fitted with a balanced O-ring seal unit with a rigid torque-transmission system. This seal type is assembled in a cartridge unit which makes replacement safe and easy. Due to the balancing, this seal type is suitable for high-pressure applications. The cartridge construction also protects the pump shaft from possible wear from a dynamic O-ring between pump shaft and shaft seal.



17/02/2019

Qty. | Description

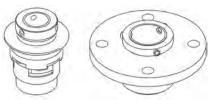
Primary seal:

- Rotating seal ring material: silicon carbide (SiC)
- Stationary seat material: silicon carbide (SiC)

This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.

Secondary seal material: EPDM (ethylene-propylene rubber)

EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.



The shaft seal is retained in the pump head by a cover and screws. It can be replaced without removing the motor.

The chambers and impellers are made of stainless-steel sheet. The chambers are provided with a PTFE neck ring offering improved sealing and high efficiency. The impellers have smooth surfaces, and the shape of the blades ensure a high efficiency.

The pump has a stainless-steel base mounted on a separate base plate. The base and base plate are kept in position by the tension of the staybolts which hold the pump together. Both the inlet and the outlet side of the base have two pressure gauge tappings. The pump is secured to the foundation by four bolts through the base plate. The flanges are fastened to the base by means of locking rings.



Motor

The motor is a totally enclosed, fan-cooled motor with principal dimensions to IEC and DIN standards. The motor is flange-mounted with free-hole flange (FF).

Motor-mounting designation in accordance with IEC 60034-7: IM B 5 (Code I) / IM 3001 (Code II). Electrical tolerances comply with IEC 60034.

The motor efficiency is classified as IE3 in accordance with IEC 60034-30-1.

The motor has thermistors (PTC sensors) in the windings in accordance with DIN 44081/DIN 44082. The protection reacts to both slow- and quick-rising temperatures, e.g. constant overload and stalled conditions. Thermal switches must be connected to an external control circuit in a way which ensures that the automatic reset cannot cause accidents. The motors must be connected to a motor-protective circuit breaker according to local regulations.

The motor can be connected to a variable speed drive for adjustment of pump performance to any duty point. Grundfos CUE offers a range of variable speed drives. Please find more information in Grundfos Product Center.

Technical data	
Controls: Frequency converter:	NONE
Liquid: Pumped liquid:	Water



			Date:	17/02/2019	
<i>'</i> .	Description				
	Liquid temperature range:	-40 120 °C			
	Liquid temperature during opera	tion: 20 °C			
	Density:	998.2 kg/m³			
	Technical:				
	Pump speed on which pump dat		rpm		
	Rated flow:	30 m³/h			
	Rated head:	106.6 m			
	Pump orientation:	Vertical			
	Shaft seal arrangement: Code for shaft seal:	Single HQQE			
	Approvals on nameplate:	CE, EAC,ACS			
	Curve tolerance:	ISO9906:2012 3B			
	Curve tolerance.	1303300.2012 3D			
	Materials:				
	Base:	Stainless steel			
		EN 1.4408			
		AISI 316			
	Impeller:	Stainless steel			
		EN 1.4401			
		AISI 316			
	Bearing:	SIC			
	Support bearing:	Graflon			
	Installation:				
	Maximum ambient temperature:	60 °C			
	Maximum operating pressure:	16 bar			
	Max pressure at stated temp:	16 bar / 120 °C			
		16 bar / -40 °C			
	Type of connection:	DIN			
	Size of inlet connection:	DN 65			
	Size of outlet connection:	DN 65			
	Pressure rating for pipe connect				
	Flange size for motor:	FF300			
	Electrical data:				
	Motor standard:	IEC			
	Motor type:	160MD			
	IE Efficiency class:	IE3			
	Rated power - P2:	15 kW			
	Power (P2) required by pump:	15 kW			
	Mains frequency:	50 Hz			
	Rated voltage:	3 x 380-415D/660-6	90Y V		
	Rated current:	28,0-26,0/16,2-15,6			
	Starting current:	660-780 %	-		
	Cos phi - power factor:	0.89-0.87			
	Rated speed:	2930-2950 rpm			
	Efficiency:	IE3 91,9%			
	Motor efficiency at full load:	91.9-91.9 %			
	Motor efficiency at 3/4 load:	92.4 %			
	Motor efficiency at 1/2 load:	92.4 %			
	Number of poles:	2			
	Enclosure class (IEC 34-5):	55 Dust/Jetting			
	Insulation class (IEC 85):	F			
	Others				
	Others: Minimum efficiency index, MEI á	a‰¥: 0.70			
	Net weight:	178 kg			
	Gross weight:	211 kg			
	l v	5			

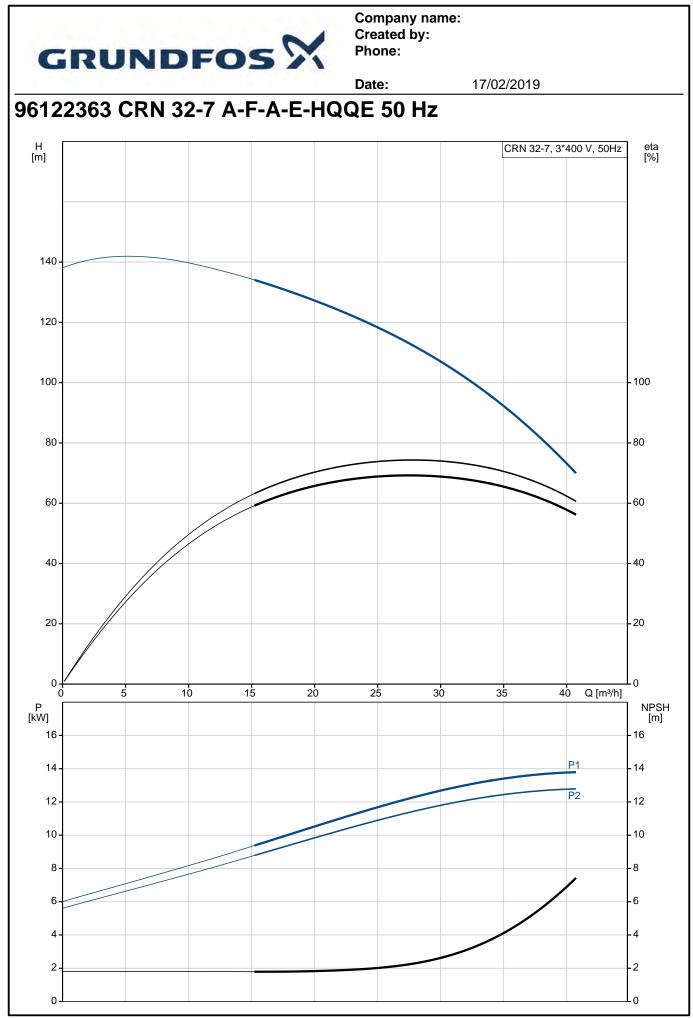


Qty. De	escription
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Date:

17/02/2019

Shipping volume: Danish VVS No.: 0.495 m³ 385916070



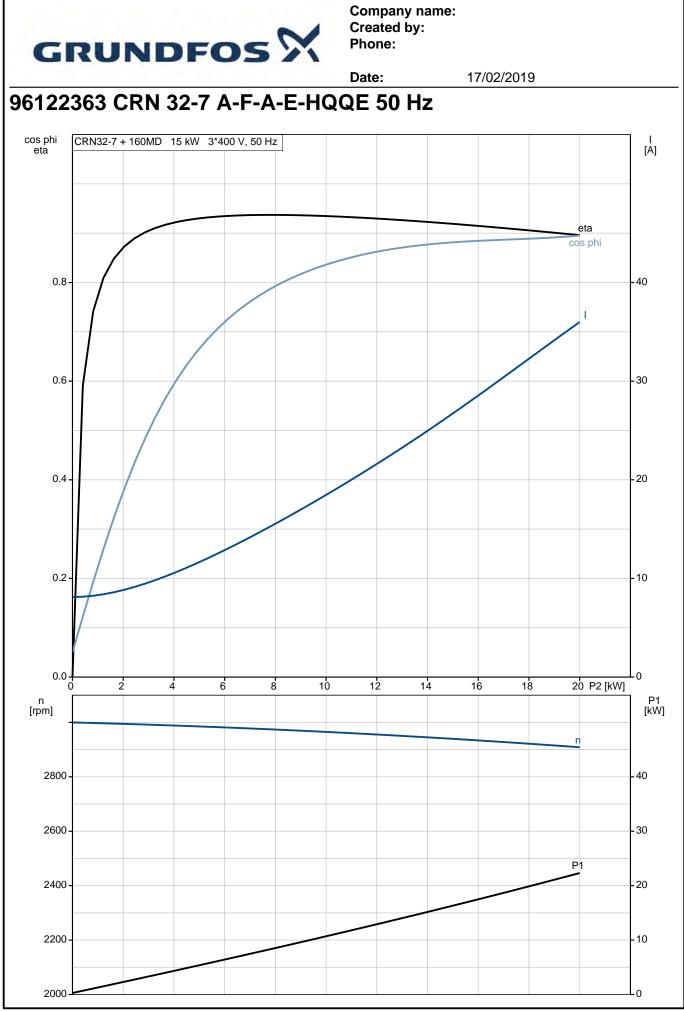


Curve tolerance: ISOU906/2012 3B (KW) Pump version: A Model: B Base: Stainless steel EN 1.4406 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Material code: A Code for rubber: E Bearing: SIC Support bearing: Grafton Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar Maximum operating for pipe connection: DN 65 Size of unlet connection: DN 65 Pressure rating for pipe connection: PN 40 Flange size for motor: FF300 Connect code: F Liquid temperature range: -40120 °C Liquid temperatur			Date:	17/02/2019
General Information: CRN 32-7 AF-AE-HODE Product No: 69(2203) EAN number: 5700396684079 Technical: 2923 rpm Rated flow: 30 mVh Rated nead: 100 de Dump version: 7 Number of reduced-diameter impellers: 0 Ocde for shaft seal HOGE Approvals on nameplate: CE, EAC/ACS Curve tolerance: EN 1.4408 Al3I 316 Material code: Ald SI 36 Bar Bearing: SIGC Support bearing: Grafion Material code: A Code for tubber: E Bearing: SIGC Support bearing: Graf	Description	Value		CRN 32-7, 3*400 V, 50Hz eta [%]
Invalue A-F-AE-HQQE Selector 6612283 EAN number: 5700396884079 Technical: 2923 rpm Rated flow: 30 m/h Rated flow: 106 6 m Haad max: 196 6 m Stage: 7 Topplate: 7 Number of reduced-diameter impellers: 0 Code for shaft seal: HOQE Approvals on nameplate: CE, EAC, ACS Curve tolerance: ISO9096:2012 38 Pump version: A Model: B Base: EN 1.4008 Material: EN 1.4008 Impeller: Stalinloss steel Impeller: EN 1.4008 Material: B Material: B Material: B Support bearing: Grafion Size of util connection: DN 165 Pressure at stated temp: 16 bar / 120 °C Type of connection: PN 40 Energing size for motor: F F Englas size for motor: F F Liquid temperature dur				
Product No: 96122483 EXh number: 570039689079 Technical: Pump speed on which pump data are based: 1000 30 m/h Rated head: 1006 6 m Head max: 1366 m Stages: 7 mpeliers: 7 Number of reduced-diameter impellers: 0 Low MPSH: N Pump orientation: Vertical Shaft seal: HOQE Approvals on namepiate: CE, EAC, ACS Code for shaft seal: HOQE Approvals on namepiate: CE, EAC, ACS Code for shaft seal: HOQE Approvals on namepiate: CE, EAC, ACS Code for shaft seal: HOQE Approvals on namepiate: CE, EAC, ACS Approvals on the stage of the sta	Product name:	CRN 32-7 A-F-A-E-HQQE	140	
Technical: Pump speed on which pump data are based: Maximum constraints: Stated flow: Model: Base: Converticed diameter impellers: Converticed diameter impel	Product No:	96122363	140 -	
Identical: 2923 rpm Based: 30 m/h Rated flow: 30 m/h Rated head: 106.6 m Head max: 136.6 m Stages: 7 Number of reduced-diameter impellers: 0 Low NPSH: N Pump orientation: Vartical Shat seal arrangement: Single Code for shat seal: HQOE Approvals on nameplate: CE, EACACS Curve tolerance: INOODE Pump version: A Model: B Materials: B Base: E N1.4408 AISI 316 Interial site Maximum ambient temperature: 60 °C Maximum ambient temperature: 60 °C Maximum ambient temperature: 16 bar / 120 °C Type of connection: DIN Size of nucl connection: DN 65 Size of nucl connection: <td>EAN number:</td> <td>5700396684079</td> <td>-</td> <td></td>	EAN number:	5700396684079	-	
based: 2225 JµII based: 2225 JµII Based: 106.6 m Head max: 136.6 m Stages: 7 Impellers: 7 Number of roduced-diameter impellers: 0 Low NPSh: Pump version: A Model: B Base: Stainless steel EN 1.400E AISI 316 Material code: A Addeti: B Base: Stainless steel EN 1.400 Material code: A A Code for rubber: B Base: Stainless steel EN 1.400 Material code: A Code for rubber: B Basei: Stainless steel EN 1.400 Material code: A Code for rubber: B Baseing: SiC Support bearing: Grafion Installation: Maximum ambient temperature: 60 °C Type of connection: DN 65 Size of outlet connection: DN 65 Size of outlet connection: PN 40 Flange size for motor. Ensity: 998 2.8g/m ³ Electrical data: Motor standard: IEC Motor stype: 160MD Elefticinery class: E3 Rated power - P2: 16 KW Power (P2): required by pump: 15 KW Mains frequency: S0 Hz Rated voltage: V V	Technical:		120 -	
Reited head: Head max: 136.6 m Stages: 7 Impeliers: Number of reduced-diameter impeliers: 0 Low NPSH: Number of reduced-diameter impeliers: 0 Low NPSH: Numpor version: A Model: Base: Cirve tolerance: ISO9906:2012 3B Pumpo version: A Model: Base: EN 1.4408 AlSI 316 Impelier: Stainless steel Material: Code for hubber: EN 1.4401 AlSI 316 Impelier: Stainless steel Material: Code for hubber: Base: Stainless steel Material: Code for hubber: Base: Stainless steel Material: Stainless steel Material: Code for hubber: EN 1.4401 AlSI 316 Support bearing: Stainless steel Stainless steel Maximum ambient temperature: Code for nubber: E Basei: Stainless steel Material: Code for nubber: E Basei: Stainless steel Maximum operating pressure: 16 bar / 120 °C Type of connection: DN 65 Size of outlet connection: DN 65 Pressure raits lated temp: 16 bar / 120 °C Density: 999.2 kg/m ² Elefficiency class: E13 Rated power - P2: 15 KW Rated voltage: Y Als 345 Size of outlet connection: DN 65 Pressure raits of temperature: P Model: F Liquid Mamperature during operation: DN 65 Pressure raits of temperature: P Liquid temperature range: 40120 °C Density: 999.2 kg/m ² Elefficiency class: E13 Rated power - P2: 15 KW Rated voltage: Y Size of outlet connection: Size of outlet connection: DN 65 P Size of outlet connection		2923 rpm	100 -	- 100
Head max: 136.6 m Stages: 7 Number of reduced-diameter impellers: 0 Low NPSN: Vertical Shaft seal arrangement: Single Code for shaft seal: HQOE Approvision nameptate: CE, EAC, ACS Curve tolerangement: Single Code for shaft seal: HQOE Approvision nameptate: ISO9062012 3B Pump version: A Model: B Materials: Base: EIN 1.4408 Materials: Base: EIN 1.4401 AISI 316 Material code: A Code for rubber: E Basen: Stainless steel EN 1.4401 AISI 316 Material code: A Code for rubber: E Bearing: SiC Support bearing: Grafion Installation: Max pressure: 16 bar Max pressure: 3 x 380-415D/660-690Y	Rated flow:	30 m³/h	-	
Stages: 7 Impelers: 7 Number of reduced-diameter impellers: 0 Low NPSh: N Pump orientation: Vertical Shaft seal: HQQE Approvals on nameplate: CE, EAC, ACS Curve tolerance: ISO9906:2012 3B Pump version: A Model: B Base: Stainless steel EN 1: 4408 AlSI 316 Impeller: Stainless steel EN 1: 4401 Materials: Base: Stainless steel EN 1: 4401 Material code: A Code for rubber: E Bearing: SIC Support bearing: Grafion Installation: Material pressure: Maximum ambient temperature: 60 °C Type of connection: DIN Size of oulle connection: DN 65 Pressure rating for pipe connection: DN 65 Presser rating for pipe connection: DN 65 Electrical data: IEC Motor standard: <t< td=""><td>Rated head:</td><td>106.6 m</td><td>80 -</td><td></td></t<>	Rated head:	106.6 m	80 -	
Impellers: 7 Number of reduced-diameter impellers: 0 Low NPSh: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQOE Approvals on nameplate: CE, EAC, ACS Curve tolerance: ISO9906:2012 3B Pump version: A Model: B Materials: Base: Stainless steel EN 1.4401 AISI 316 Material code: A Code for tubber: E Bearing: SIC Support bearing: Grafion Installation: Maximum ambient temperature: 60 °C Asign of the connection: DN 65 Size of oult connection: DN 65 Pressure rating for pipe connection: DN 65 Pre	Head max:	136.6 m	-	
Number of reduced-diameter impellers: 0 Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HOQE Approvals on nameplate: CE, EAC, ACS Curve tolerance: ISO9906:2012 3B Pump version: A Model: B Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: EN 1.4408 AISI 316 Materials code: A Code tor rubber: E Bearing: SIC Support baring: Grafton Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar / 120 °C 16 bar / 40 °C Type of connection: DN 65 Size of inlet con	Stages:	7	60 -	60
Low NPSH: N Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HOQE Cove tolerance: ISO9906:2012 3B Pump version: A Model: B Materials: Base: Stainless steel Base: EN 1.4408 AISI 316 Impelier: Stainless steel AISI 316 Material code: A Code for rubber: E Bearing: SIC Support bearing: Graflon Installation: Max pressure at stated temp: 16 bar / 120 °C Maximum operating pressure: 16 bar / 40 °C Type of connection: DN 65 Size of outet connection: DN 65 Pressure rating for pipe connection: DN 65 Pressure rating corperation 20 °C Density: 998.2 kg/m ³ Electrical data: Motor standard: EC Head woltage: V 3 x 380-415D/660-690Y Rated voltage: V 3 x 380-415D/660-690Y Rated voltage: V 3 x 380-415D/660-690Y	Impellers:	7	-	
Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CE, EAC, ACS Curve tolerance: ISO9906:2012 3B Pump version: A Model: B Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4408 AISI 316 Material: COde for rubber: E Bearing: SIC Support bearing: Grafion Installation: Maximum ambient temperature: 60 °C Maximum ambient temperature: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DN 65 Size of olutet connection: DN 65 Size of notor: CF300 Connect code: F Liquid temperature fange: 400, 120 °C Liquid temperature fange: 400, 120 °C Signification: Size of notor: CF300 Connect code: F Liquid temperature fange: 400, 120 °C Size of noter connection: DN 65 Size of notor: FF300 Connect code: F Size of notor: CF300 Connect code: F Liquid temperature fange: 400, 120 °C Signification: Size of notor: FF300 Connect code: F Size of notor: Size of	Number of reduced-diameter impellers:	0	40 -	40
Shaft seal arrangement: Code for shaft seal: HOQE Code for shaft seal: HOQE Approvals on merplate: CF, EAC, ACS Curve tolerance: ISO9906:2012 3B Materials: Base: EN 1:4408 AISI 316 Impeller: Stainless steel EN 1:4401 AISI 316 Material code: AISI 316 Material connection: DN 85 Size of outel connection: Pumped liquid: HOMO Electrical dat: Motor type: IE3 Rated power - P2: DY MATERIA AISI 300-415D/60-690V AISI AISI AISI AISI AISI AISI AISI AISI	Low NPSH:	Ν		
Shaft seal: Arrangement: Single Code for shaft seal: HOQE Approvals on nameplate: CE, EAC, ACS Curve tolerance: ISO9906:2012 3B Model: B Materials: Base: EN 1:4408 AlsI 316 Impeller: Stainless steel EN 1:4401 AlSI 316 Material code: A Code for rubber: E Bearing: SIC Support bearing: Grafton Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C Type of connection: DN 65 Size of olutel connection: DN 65 Size of outiet connection: DN 65 Pressure at stated temp: 16 bar / 120 °C Connect code: F Liquid: Water Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: 160MD Ele Efficiency class: E3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: V 3 x 380-415D/660-690Y Rated voltage: V 3 x 380-415D/660-690Y	Pump orientation:	Vertical	20	20
Code for shaft seai: Approvals on nameplate: CE, EAC, ACS Curve tolerance: ISO9906:2012 3B Pump version: A Model: Base: EN 1.4400 AISI 316 Impeller: Stainless steel AISI 316 Atterial code: CA AISI 316 Atterial code: CA CA COC Type of connection: DN 65 Pressure ating for pipe connection: DN 65 Pressure a	Shaft seal arrangement:	Single		
Approvals on nameplate: CE EAC,ACS Curve tolerance: ISO9906:2012 3B Materials: Base: Stainless steel Base: EN 1.4408 Material code: AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Material code: A Code for rubber: EN 1.4401 AISI 316 Material code: A Code for rubber: Bearing: SiC Support bearing: Grafton Installation: Maximum ambient temperature: 60 °C Maximum ambient temperature: 16 bar / 40 °C Type of connection: DIN Size of uilet connection: DIN 65 Pressure rating for pipe connection: PN 40 Flange size for motor: Connect code: F Liquid temperature range: Liquid temperature range: Liquid temperature range: Liquid temperature range: Liquid temperature during operation: DIN 65 Pressure rating for pipe connection: PN 40 Flange size for motor: Connect code: F Liquid temperature range: Liquid temperature range: Liquid temperature range: Liquid temperature during operation: DIN 65 Pressure rating for pipe connection: PN 40 Flange size for motor: Electrical data: Motor type: 16 0MD HE Efficiency class: HE3 Rated power - P2: 50 Hz Rated voltage: Variable of the size of on Head (Light) Material code: F Connect code: F Cliquid temperature for pipe connection: DIN 65 Pressure rating for pipe connection: PN 40 Flange size for motor: Connect code: F Cliquid temperature for pipe connection: DIN 55 Size of outle connection: DIN 65 Pressure rating for pipe connection: PN 40 F Cliquid temperature for pipe connection: PN 40 F Cliquid temperature for pipe connection: PN 40 F Cliquid temperature for pipe connection: F Cliquid temperature for pipe connection: PN 40 Size of outle connection: Cliquid temperature for pipe connection: PN 40 Size of outle connection:	-	-	<u>م ا</u>	
Curve tolerance: Lower tolerance: Pump version: A Model: Materials: Base: Stainless steel EN 1.4408 Material code: ASI 316 Material code: EN 1.4401 Material code: ASI 316 Material code: A Code for rubber: E N 1.4401 Material code: A Code for rubber: E Stainless steel EN 1.4401 Material code: A Code for rubber: E Stainless steel E N 1.4401 Material code: A Code for rubber: E Stainless steel E N 1.4401 Material code: A Code for rubber: E Stainless steel E Stainless steel Maximum ambient temperature: Maximum operating pressure: 16 bar / 40 °C Type of connection: D N 65 Pressure rating for pipe connection: D N 65 Pressure rating for pipe connection: PN 40 F CLiquid temperature fange: -40 120 °C Liquid temperature range: -40 120 °C Density: Pumped liquid: Liquid temperature range: -40 120 °C Density: Pumped liquid: EC Motor type: 16 6MD IE Efficiency class: IE3 Rated power - P2: 50 Hz Rated voltage: Variable State Stat	Approvals on nameplate:	CE, EAC,ACS	0 5	10 15 20 25 30 35 Q [m³/h]
Pump version:AModel:BMaterials:Base:Stainless steelEN 1.4408AISI 316Impeller:Stainless steelEN 1.4401AISI 316Material code:ACode for rubber;EBearing:SICSupport bearing:GraffonInstallation:GraffonMaximum ambient temperature:60 °CMaximum aperating pressure:16 bar / 120 °C16 bar / -40 °CType of connection:Type of connection:DN 65Size of indic connection:DN 65Size of ontic connection:DN 65Size of ontic connection:DN 65Pressure rating for pipe connection:PN 40Flange size for motor:FLiquid temperature range:-40 120 °CLiquid temperature range:-40 120 °CLiquid temperature range:-40 120 °CLiquid temperature during operation:20 °CDensity:98.2 kg/m³Electrical data:IECMotor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:3 v 380-415D/660-690YRated voltage:3 v 380-415D/660-690Y			P [kW]	NPSH [m]
Model: B Materials: EN 1.4408 AISI 316 AISI 316 Impeller: Stainless steel EN 1.4408 AISI 316 Material code: A Code for rubber: E Bearing: SIC Support bearing: Grafton Installation: Maximum operating pressure: Maximum operating pressure: 16 bar / 120 °C Maximum operating pressure: 16 bar / 20 °C Type of connection: DIN Size of oullet connection: DN 65 Fisage size for motor: F1300 Connect code: F Liquid temperature range: -40 · 120 °C Liquid temperature range: -40 · 120 °C Liquid temperature range: -40 · 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Electrical data: Motor standard: Motor type: 160MD IE Efficiency class: IE3 Rated woltage: 3 x 380-415D/660-690Y Y X	Pump version:	A		
Materials: Base: EN 1.4408 AISI 316 AISI 316 Installation: Installation: Installation: Maximum apbient temperature: 60 °C Maximum appeating pressure: 16 bar / 40 °C Type of connection: DIN Size of outlet connection: DIN 65 Size of outlet connection: PI 400 Flange size for motor: FF300 Connect code: F Liquid: Pumped liquid: Liquid temperature range: 40. 120 °C Liquid temperature range: 40. 120 °C DIN Size of outlet connection: DIN 65 Size of outlet connection: PI 40 Flange size for motor: FF300 Connect code: F Liquid temperature range: 40. 120 °C Liquid temperature range: 40. 120 °C Density: 98.2 kg/m ³ Electrical data: Motor standard: IE Efficiency class: IE 3 Rated power - P2: 15 kW Mains frequency: Rated voltage: V	•	В		14
Eads: Stalless steel EAUX 14408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Material code: A Code for rubber: E Bearing: SIC Support bearing: Grafton Installation: Maximum ambient temperature: 60 °C Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C 16 bar / 120 °C 16 bar / 120 °C Type of connection: DIN Size of oulte connection: DN 65 Pressure rating for pipe connection: PN 40 Flange size for motor: FF 300 Connect code: F Liquid temperature during operation: 20 °C Density: 998.2 kg/m ³ Electrical data: Motor standard: IEC Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Mains frequency: 50 Hz Rated voltage: V	Materials:		12-	
EN 1.4400 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Material code: A Code for rubber: E Bearing: SIC Support bearing: Grafion Installation: Maximum ambient temperature: Maximum operating pressure: 16 bar / 40 °C Maximum operating pressure: 16 bar / 40 °C Type of connection: DN 65 Size of outlet connection: DN 65 Pressure rating for pipe connection: PN 65 Pressure rating for pipe connection: PN 65 Diny Electrical data: V Motor standard: IEC Liquid temperature range: -40120 °C Density: 998.2 kg/m³ Electrical data: Motor standard: Motor standard: IEC Motor type: 16 bMD IE Efficiency class: IE3 Rated woltage: 3 x 380-415D/660-690Y V 3 x 380-415D/660-690Y	Base:	Stainless steel	10 -	10
Impeller:Also JobImpeller:Stainless steelEN 1.4401Also J316Material code:ACode for rubber:EBearing:SICSupport bearing:GrafinonInstallation:If barMaximum ambient temperature:60 °CMaximum operating pressure:16 barMax pressure at stated temp:16 bar / 20 °CType of connection:DINSize of oillet connection:DN 65Pressure rating for pipe connection:PN 40Flange size for motor:FLiquid temperature during operation:20 °CDensity:998.2 kg/m³Electrical data:IECMotor standard:IECMotor standard:IECMotor type:160MDIE Efficiency class:IE3Rated power:75 HzRated voltage:3 x 380-415D/660-690YVV		EN 1.4408	8-	8
EN 1.4401AISI 316Material code:Code for rubber:EBearing:SICSupport bearing:GraflonInstallation:Maximum ambient temperature:60 °CMaximum ambient temperature:60 °CMaximum ambient temperature:60 °CMaximum ambient temperature:16 bar / 120 °C16 bar / -40 °CType of connection:DINSize of inlet connection:DN 65Size of outlet connection:Pumped liquid:Liquid temperature range:-40 120 °CLiquid temperature range:-40 120 °CLiquid temperature during operation:20 °CDensity:998.2 kg/m³Electrical data:Motor standard:IE Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:50 HzRated voltage:V		AISI 316	6-	6
EN 1.4401 AISI 316 Material code: Code for rubber: E Bearing: SIC Support bearing: Graffon Installation: Maximum ambient temperature: 60 °C Maximum ambient temperature: 60 °C Maximum ambient temperature: 60 °C Maximum ambient temperature: 16 bar Max pressure at stated temp: 16 bar / 120 °C 16 bar / -40 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: Pressure rating for pipe connection: Pumped liquid: Liquid temperature range: -40 120 °C Liquid temperature range: 16 box Bestrical data: Motor standard: IE Efficiency class: IE3 Rated power (P2) required by pump: 15 kW Power (P2) required by pump: 15 kW Mains frequency: So Hz Ated voltage:	Impeller:	Stainless steel	4 -	4
Material code:ACode for rubber:EBearing:SICSupport bearing:GraftonInstallation:Installation:Maximum ambient temperature:60 °CMaximum operating pressure:16 barMax pressure at stated temp:16 bar / 120 °C16 bar / -40 °C16 bar / -40 °CType of connection:DINSize of inlet connection:DN 65Pressure rating for pipe connection:PN 40Flange size for motor:FF300Connect code:FLiquid temperature fung operation:20 °CDensity:998.2 kg/m³Electrical data:ICCMotor standard:IECMotor standard:IECMotor standard:IESRated power - P2:15 kWPower (P2) required by pump:15 kWPower (P2) required by pump:15 kWRated voltage:3 x 380-415D/660-690Y		EN 1.4401	2	2
Code for rubber:EBearing:SICSuppot bearing:GrafionInstallation:Maximum ambient temperature:Maximum ambient temperature:60 °CMaximum operating pressure:16 barMax pressure at stated temp:16 bar / 120 °C16 bar / -40 °CTok of compection:Type of connection:DN 65Size of inlet connection:DN 65Size of outlet connection:PN 40Flange size for motor:FF 300Connect code:FLiquidWaterLiquid temperature range:-40120 °CIquid temperature range:-40120 °CIquid temperature range:-40120 °CIquid temperature furing operation:20 °CDensity:998.2 kg/m³Electrical data:IECMotor type:160MDEl Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWPower (P2) required by pump:15 kWRated voltage:3 x 380-415D/660-690Y		AISI 316	0	0
Code for rubber:EBearing:SICSupport bearing:GrafionInstallation:60 °CMaximum ambient temperature:60 °CMaximum operating pressure:16 barMax pressure at stated temp:16 bar / 120 °C16 bar / -40 °C16 bar / -40 °CType of connection:DINSize of inlet connection:DN 65Pressure rating for pipe connection:PN 40Flange size for motor:FF300Connect code:FLiquid temperature range:-40 . 120 °CLiquid temperature range:-40 120 °CLiquid temperature range:-40 120 °CLiquid temperature range:-40 120 °CLiquid temperature during operation:20 °CDensity:998.2 kg/m3Electrical data:IE3Motor standard:IECMotor standard:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWPower (P2) required by pump:15 kWMains frequency:3 x 380-415D/660-690YRated voltage:3 x 380-415D/660-690Y	Material code:	Α	-1	
Bearing: SIC Support bearing: Grafton Installation:	Code for rubber:	E		
Installation: Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar / 120 °C 16 bar / 120 °C 16 bar / -40 °C Type of connection: DIN Size of inlet connection: DN 65 Pressure rating for pipe connection: PN 65 Pressure rating for pipe connection: PN 65 Connect code: F Liquid temperature range: -40 120 °C Liquid temperature range: -40 120 °C Liquid temperature range: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Power (P2) required by pump: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D/660-690Y	Bearing:	SIC		
Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C 16 bar / 40 °C 16 bar / -40 °C Type of connection: DIN Size of inlet connection: DN 65 Pressure rating for pipe connection: PN 40 Flange size for motor: FF 300 Connect code: F Liquid: Water Liquid temperature range: -40 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Electrical data: Motor type: Motor type: 160MD IE Efficiency class: IE3 Rated power · P2: 15 kW Power (P2) required by pump: 15 kW Mains frequency: 50 Hz Rated voltage: 3x 380-415D/660-690Y	Support bearing:	Graflon		
Maximum ambient temperature: 60 °C Maximum operating pressure: 16 bar Max pressure at stated temp: 16 bar / 120 °C 16 bar / -40 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: PN 40 Flange size for motor: FF300 Connect code: F Liquid: Pumped liquid: Water Liquid temperature range: -40 120 °C Liquid temperature range: -40 120 °C Liquid temperature range: -40 120 °C Liquid temperature range: -40 120 °C Electrical data: Motor standard: IEC Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Power (P2) required by pump: 15 kW Mains frequency: 50 Hz Rated voltage: 'V v	Installation:		- Σ	
Max pressure at stated temp: 16 bar / 120 °C 16 bar / -40 °C Type of connection: DIN Size of inlet connection: DN 65 Size of outlet connection: Pressure rating for pipe connection: Parage size for motor: Connect code: F Liquid: Pumped liquid: Uquid temperature range: Liquid temperature range: Hotor standard: Electrical data: Motor standard: Elefficiency class: Rated power - P2: 15 kW Power (P2) required by pump: 15 kW Mains frequency: Rated voltage: V Notor standard: Mains frequency: Rated voltage: Notor standard: Connect code: Connect co	Maximum ambient temperature:	60 °C		
16 bar / -40 °CType of connection:DINSize of inlet connection:DN 65Size of outlet connection:DN 65Pressure rating for pipe connection:PN 40Flange size for motor:FF300Connect code:FLiquid:Pumped liquid:Liquid temperature range:-40 120 °CLiquid temperature during operation:20 °CDensity:998.2 kg/m³Electrical data:Notor standard:Motor standard:IECMotor standard:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:50 HzRated voltage:3 x 380-415D/660-690Y	Maximum operating pressure:	16 bar		
16 bar / -40 °CType of connection:DINSize of inlet connection:DN 65Size of outlet connection:DN 65Pressure rating for pipe connection:PN 40Flange size for motor:FF300Connect code:FLiquid:Pumped liquid:Liquid temperature range:-40 120 °CLiquid temperature during operation:20 °CDensity:998.2 kg/m³Electrical data:IECMotor standard:IECMotor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWMains frequency:50 HzRated voltage:3 x 380-415D/660-690Y		16 bar / 120 °C	350	
Type of connection:DINSize of inlet connection:DN 65Size of outlet connection:DN 65Pressure rating for pipe connection:PN 40Flange size for motor:FF 300Connect code:FLiquid:WaterLiquid temperature range:-40 120 °CLiquid temperature during operation:20 °CDensity:998.2 kg/m³Electrical data:IECMotor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWMains frequency:50 HzRated voltage:3 x 380-415D/660-690YVV		16 bar / -40 °C		
Size of inlet connection:DN 65Size of outlet connection:DN 65Pressure rating for pipe connection:PN 40Flange size for motor:FF 300Connect code:FLiquid:WaterLiquid temperature range:-40 120 °CLiquid temperature range:-40 120 °CDensity:998.2 kg/m³Electrical data:IECMotor standard:IECMotor standard:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:50 HzRated voltage:3 x 380-415D/660-690YVV	Type of connection:	DIN		
Size of outlet connection:DN 65Pressure rating for pipe connection:PN 40Flange size for motor:FF300Connect code:FLiquid:WaterLiquid temperature range:-40 120 °CLiquid temperature during operation:20 °CDensity:998.2 kg/m³Electrical data:IECMotor standard:IECMotor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:50 HzRated voltage:3 x 380-415D/660-690YVV		DN 65	4X G 1/2	
Flange size for motor: FF300 Connect code: F Liquid: Water Liquid temperature range: -40 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Electrical data: Motor standard: Motor standard: IEC Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Power (P2) required by pump: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D/660-690Y	Size of outlet connection:	DN 65		
Flange size for motor: FF300 Connect code: F Liquid: Water Liquid temperature range: -40 120 °C Liquid temperature during operation: 20 °C Density: 998.2 kg/m³ Electrical data: Motor standard: Motor standard: IEC Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Power (P2) required by pump: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D/660-690Y	Pressure rating for pipe connection:	PN 40		
Connect code:FLiquid:WaterLiquid temperature range:-40 120 °CLiquid temperature during operation:20 °CDensity:998.2 kg/m³Electrical data:Motor standard:IECMotor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:50 HzRated voltage:3 x 380-415D/660-690Y		FF300		
Pumped liquid:WaterLiquid temperature range:-40 120 °CLiquid temperature during operation:20 °CDensity:998.2 kg/m³Electrical data:IECMotor standard:IECMotor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:50 HzRated voltage:3 x 380-4115D/660-690Y			226	240 \4 × 14
Pumped liquid:WaterLiquid temperature range:-40 120 °CLiquid temperature during operation:20 °CDensity:998.2 kg/m³Electrical data:IECMotor standard:IECMotor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:50 HzRated voltage:3 x 380-4115D/660-690Y	Liquid:			
Liquid temperature range:-40 120 °CLiquid temperature during operation:20 °CDensity:998.2 kg/m³Electrical data:Motor standard:IECMotor type:160MDIE Efficiency class:IE3Rated power - P2:15 kWPower (P2) required by pump:15 kWMains frequency:50 HzRated voltage:3 x 380-4115D/660-690Y		Water		Y
Liquid temperature during operation: 20 °C Density: 998.2 kg/m ³ Electrical data: Motor standard: IEC Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Power (P2) required by pump: 15 kW Mains frequency: 50 Hz Rated voltage: 3 × 380-415D/660-690Y				
Density: 998.2 kg/m³ Electrical data:				
Electrical data: Motor standard: IEC Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Power (P2) required by pump: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D/660-690Y				
Motor standard: IEC Motor type: 160MD IE Efficiency class: IE3 Rated power - P2: 15 kW Power (P2) required by pump: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-4115D/660-690Y	-	-		3000-111 1
IE Efficiency class: IE3 Rated power - P2: 15 kW Power (P2) required by pump: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D/660-690Y		IEC	44 X	
IE Efficiency class: IE3 Rated power - P2: 15 kW Power (P2) required by pump: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D/660-690Y	Motor type:		RELAY	
Rated power - P2: 15 kW Power (P2) required by pump: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D/660-690Y				
Power (P2) required by pump: 15 kW Mains frequency: 50 Hz Rated voltage: 3 x 380-415D/660-690Y	-			
Mains frequency: 50 Hz Rated voltage: 3 x 380-415D/660-690Y	-		₿ [,] , ₿.	
Rated voltage: 3 x 380-415D/660-690Y				
		3 x 380-415D/660-690Y	TO AMPLIFIER	
Rated current: 28.0-26.0/16.2-15.6 A (4)	Rated current:	28,0-26,0/16,2-15,6 A	RELAY L1	

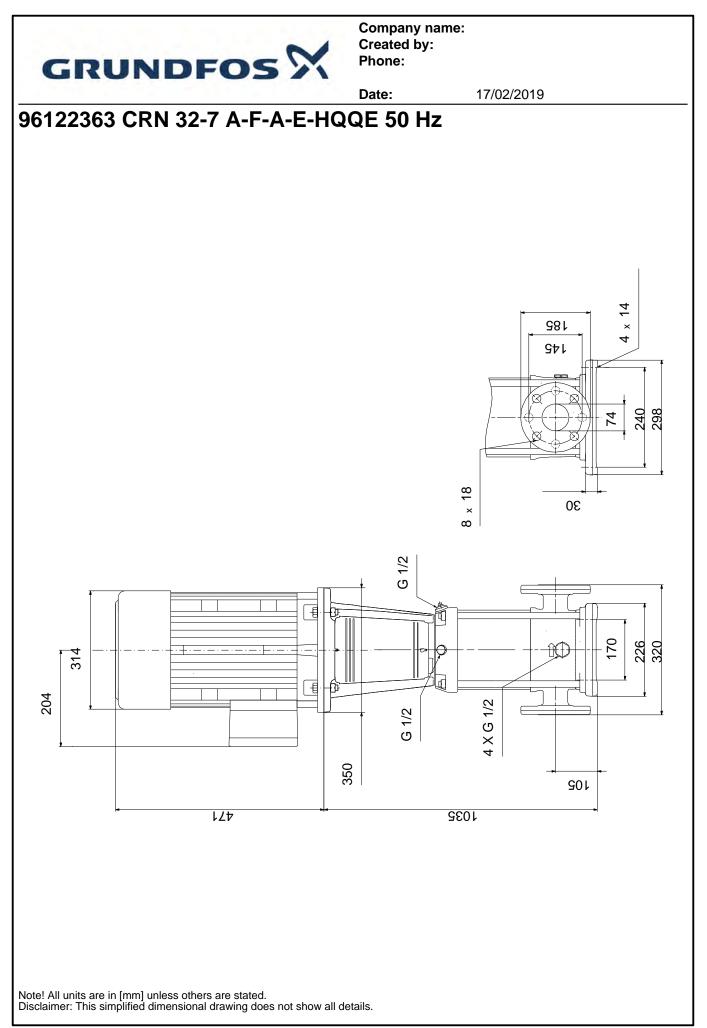
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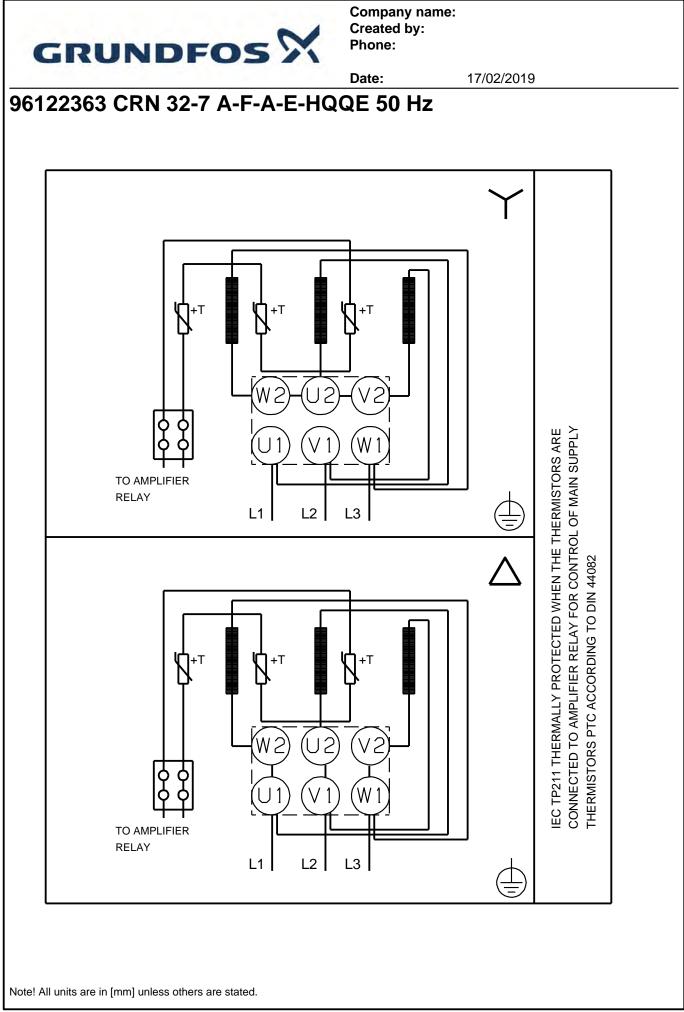


		Date:	17/02/2019
Description	Value		
Starting current:	660-780 %		
Cos phi - power factor:	0.89-0.87		
Rated speed:	2930-2950 rpm		
Efficiency:	IE3 91,9%		
Motor efficiency at full load:	91.9-91.9 %		
Motor efficiency at 3/4 load:	92.4 %		
Motor efficiency at 1/2 load:	92.4 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Motor protec:	PTC		
Motor No:	85U17526		
Controls:			
Frequency converter:	NONE		
Others:			
Minimum efficiency index, MEI ≥:	0.70		
Net weight:	178 kg		
Gross weight:	211 kg		
Shipping volume:	0.495 m ³		
Danish VVS No.:	385916070		



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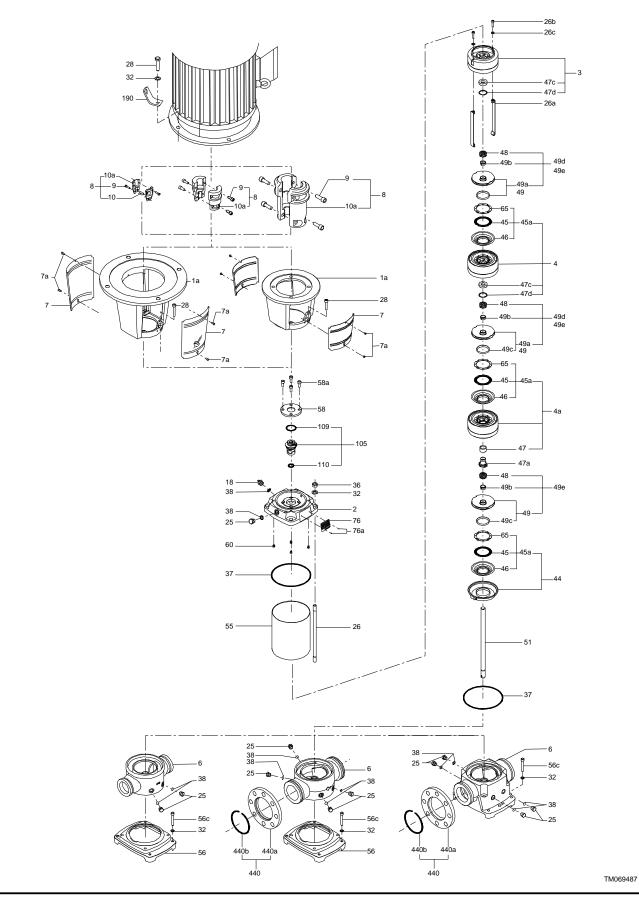


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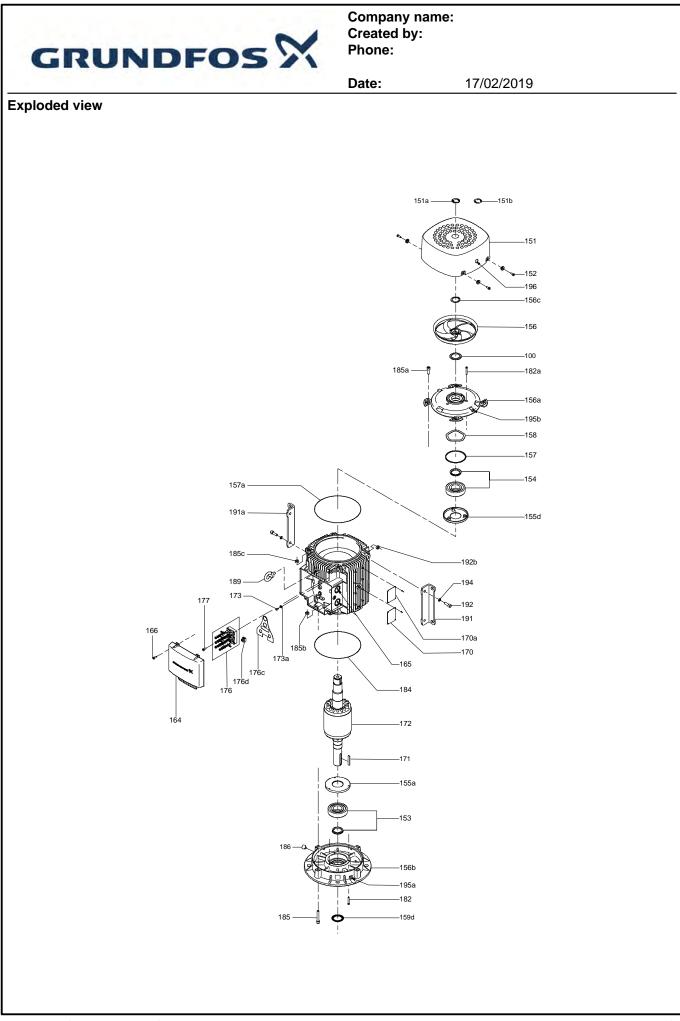


17/02/2019

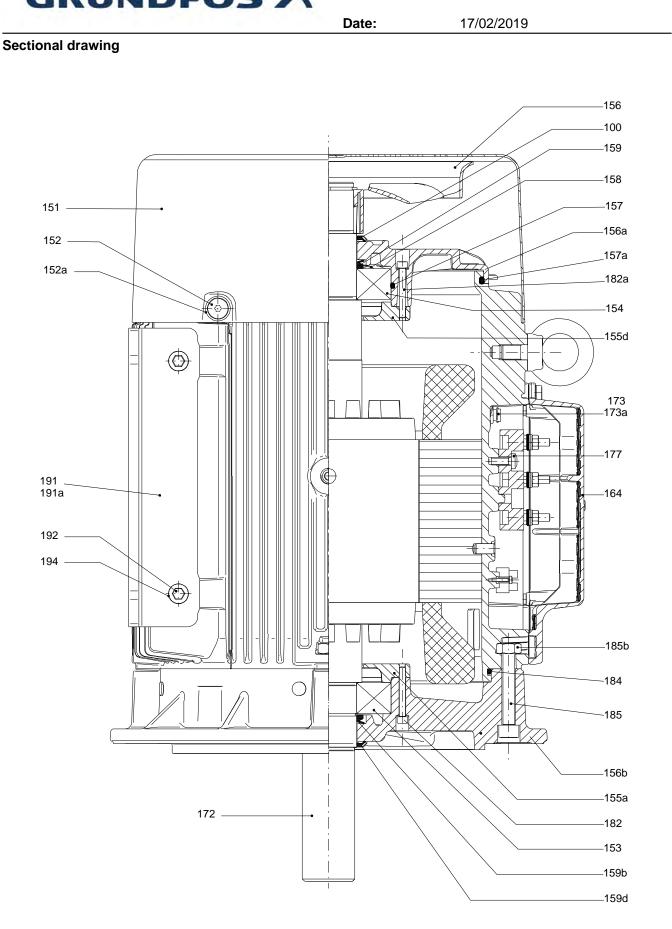
(tm069487 for LACR model B standard)



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17/02/2019

Spare parts CRN 32-7, Product No. 96122363 Valid from 3.3.2014 (1410)

	S	Description	Annotation	Classification Data	Part no.	Qty.	Unit
		Base			98925061	1	pcs
6		Base					1
80		Kit, chamber stack			96416298	1	pcs
80		Chamber stack					1
3		Upper chamber cpl.					
		Guide cup					
		Guide cup					
		Cone					
		Guide					
		Chamber					
		Chamber					
47	d	Lock ring					
47		Bush					
4a		Intermediate chamber cpl.					
		Guide cup					
		Guide cup					
		Cone					
		Guide					
		Chamber					
		Chamber					
45	а	Neck ring cpl.					
47		Bearing					
4		Intermediate chamber cpl.					
•		Guide cup					
		Guide cup					
		Cone					
		Guide					
		Chamber					
		Chamber					
45	а	Neck ring cpl.					
47		Lock ring					
47		Bush					
26		Washer		Designation: D	IN 125A		
20	•			Thickness: 1,6			
26	h	Hex socket head cap screw					
26		Strap cpl.		Length (mm): 4	99		
200	u			Thread: M8			
44		Suction interconnector cpl.					
44;		Suction interconnector					
45		Seal ring					
46		Neck ring					
65		Top f/neck ring					
47		Bearing cpl.					
	ŭ	Driver					
		Holder					
		Disc spring					
		Bearing ring					
49	e	Impeller cpl.					
49		Nut					
49		Split cone					
49		Impeller					
-+3		Impeller hub					
		Wear ring					



_			Date:	17/02/20		
Pos	Description	Annotation	Classification Data	Part no.	Qty.	Uni
51	Shaft					
	Kit, chambers			98633738		pcs
4a	Intermediate chamber cpl.				1	
	Guide cup					
	Guide cup					
	Cone					
	Guide					
	Chamber					
	Chamber					
45a	Neck ring cpl.					
47	Bearing					
47a	Bearing cpl.				1	
	Driver					
	Holder					
	Disc spring					
	Bearing ring					
				96416592	1	D 00
	Kit, coupling Adjusting fork			9041009Z		pcs
0			Dimensions 00/40		1	
8	Coupling cpl.		Dimension: 22/42		1	
9	Hex socket head cap screw		Designation: D	IN 912		
			Length (mm): 25			
			Thread: M10			
10a	Coupling half					
	Kit, coupling guard			96505135		pcs
7a	Socket button head screw				4	
7	Coupling guard				2	2
	Kit, cover			98832448	1	pcs
58a	Hex socket head cap screw		Designation: DIN 9	12	4	ŀ
			Length (mm): 25			
			Thread: M10			
58	Cover				1	
	Kit, gaskets			96416597		pcs
	Adjusting fork				. 1	•
37	O-ring				2	
38	O-ring		Diameter: 16,3		2	
00			Material type: EPDM		4	-
38	O ring		Thickness: 2,4		4	1
30	O-ring		Diameter: 16,3		4	•
			Material type: EPDM			
<u> </u>	Convin a		Thickness: 2,4			
60	Spring				4	
109	O-ring				1	
110	O-ring		Diameter: 21,2		1	
			Material type: EPDM			
			Thickness: 3,55			
	Kit, impeller			98633780	1	pcs
48	Nut				1	
48	Nut				1	
49b	Split cone				1	
49	Impeller				1	
-	Impeller hub					
49c	Wear ring					
	Kit, plug			96505136	1	pcs
18	Air vent screw			50505150	1	•
10						
	Spindle					
25	Plug					1
25	Plug				4	
25	Plug				1	



Pos	Description	Annotation	Classification Data	Part no.	<u>^</u>	/ mit
Pos 38	O-ring	Annotation	Diameter: 16,3	Part no.	Qty	7. Unit
50	Ching		Material type: FKM			L
			Thickness: 2,4			
38	O-ring		Diameter: 16,3			4
	C		Material type: FKM			•
			Thickness: 2,4			
38	O-ring		Diameter: 16,3			6
	5		Material type: FKM			
			Thickness: 2,4			
38	O-ring		Diameter: 16,3			2
			Material type: EPDM			
			Thickness: 2,4			
38	O-ring		Diameter: 16,3			4
			Material type: EPDM			
			Thickness: 2,4			
	Kit, shaft seal HQQE			96525458	1	pcs
	Grinding device					1
105	Shaft seal		Material type: HQQE			1
100	Adjusting fork					
109	O-ring		Diamate of T			
110	O-ring		Diameter: 21,5			
			Material type: EPDM Thickness: 4,25			
	Kit, wear parts		1111UKI1855. 4,20	98497451	1	DCC
45	Seal ring			30431431	1	pcs 7
45 47d	Lock ring					7
470 47c	Bush					5
49c	Wear ring					7
490 65	Top f/neck ring					7
	Motor			85904134	1	pcs
	Kit, bearing cpl.			967966		•
32b	Waved washer				-	
153	Angular-contact bearing					
154	Ball bearing					
157	O-ring					
159	V-ring					
	Kit, bearing plate			967966	64	1
155.a	Bearing cover					
208a	Gasket					
208	Hex socket head cap screw		Designation: DIN	912		
			Length (mm): 40			
			Thread: M5			
	Kit, eyebolt			967967	12	1
189	Eyebolt					
450	Kit, fan			967966	54	1
156.c	Retaining ring					
156	Fan			007000	47	4
151	Kit, fan cover			967966	41	1
151	Fan cover					
152.a 152	Rubber bush					
	Hex head cap screw					
196	Diaphragm Kit, flange			967966	62	1
156.b	Flange			901 900	02	I
156.b	Seal ring					
185.b	Nut					
185.0	Hex socket head cap screw					
186	Drain plug					
100	Dialitipidg					



Pos	Description	Annotation Classification Data	Part no. Qty	<mark>7. Unit</mark>
195.a	Grease nipple			
	Kit, gaskets		96798508	1
184	O-ring	Diameter: 235		
	Kit, lubrication nipple		96796671	1
195.b	Grease nipple			
195.a	Grease nipple			
	Kit, ND-end shield cpl.		96796669	1
32b	Waved washer			
156.a	End shield NDE			
157	O-ring			
159	V-ring			
185.c	Nut			
185.a	Hex socket head cap screw			
195.b	Grease nipple			
	Kit, shaft seal		96843459	1
159.b	V-ring			•
159	V-ring			
	Kit, terminal board		96796657	1
	Terminal connection		00100001	•
	Washer			
36	Hex nut			
173	Torx Screw			
175.d	Terminal board			
176.0	Terminal board			
170	Torx Screw			
177	Kit, terminal box cover		96796659	1
164	Terminal box cover		307 30039	I
164 273a				
	Pan head thread forming screw Motor stool		0000001 1	
1a			98993921 1	pcs
2	Pump head		98593646 1	pcs
3	Upper chamber cpl.		98633870 1	pcs
47c	Bulk, Bush (10 pcs)		99321194	
4	Bulk, Intermediate chamber cpl. (3 pcs)		99481487 4	pcs
4a	Bulk, Intermediate chamber cpl. (5 pcs)		99262783 2	pcs
4	Bulk, Intermediate chamber cpl. (10 pcs)		99481488 4	pcs
45a	Bulk, Neck ring cpl. (10 pcs)		96547322	
4	Intermediate chamber cpl.		98633840 4	pcs
6b	Base cpl.	Rubber type: EPDM	96587693 1	pcs
25	Bulk, Plug (10 pcs)		96536013	4
37	Bulk, O-ring (10 pcs)		96536149	1
38	Bulk, O-ring (10 pcs)	Diameter: 16,3	99198815	4
		Material type: EPDM		
		Thickness: 2,4		
38	Bulk, O-ring (50 pcs)	Diameter: 16,3	99412727	4
		Material type: EPDM		
		Thickness: 2,4		
56	Base plate		96587691	1
7a	Bulk, Socket button head screw (10 pcs)		96549696 4	pcs
7	Bulk, Coupling guard (10 pcs)		96603279 2	, pcs
8	Coupling cpl.	Dimension: 22/42	96587704 1	pcs
18	Bulk, Air vent screw (5 pcs)		96547461 1	pcs
18	Air vent screw		95061351 1	pcs
25	Bulk, Plug (10 pcs)		96536013 1	pcs
26c	Bulk, Washer (4 pcs)	Designation: DIN 125A	99262704 2	pcs
	· · · · · · · · · · · · · · · · · · ·	Thickness: 1,6		1.00
26c	Washer	Designation: DIN 125A	96586880 2	pcs
200		Thickness: 1,6	2000000 2	P03
26b	Bulk, Hex socket head cap screw (10 pcs)	1110(1033, 1,0	98931380 2	nce
	DUIN. LIEA SUCKEL HEAU CAD SCIEW (TU DCS)		3033130U Z	pcs



Pos 26a 28.a 28 32 32 36 37 38 38 38 38 44 45 65				Date:	17/02/2019				
Р	os	Description	Annotation	Classification Data	Part no.	Qty	. Un		
2	6a	Strap cpl.		Length (mm): 499	98983861	2	pc		
				Thread: M8					
2	6	Staybolt		Length (mm): 702	98976686	4	pc		
				Thread: M16					
2	8.a	Bulk, Hex head screw (20 pcs)			96620478	4	pc		
2	8	Bulk, Hex socket head cap screw (10 pcs)		Designation: DIN 912	96536147	4	pc		
				Length (mm): 50					
				Thread: M10					
3	2	Bulk, Washer (100 pcs)		Designation: DIN 125 A	98923051	8	pc		
				Internal diameter: 17					
				Outer diameter: 30					
				Thickness: 3					
3	6	Bulk, Hex nut (20 pcs)		Thread: M16	96620480	4	pc		
3	57	Bulk, O-ring (10 pcs)			96536149	1	pc		
3	8	Bulk, O-ring (10 pcs)		Diameter: 16,3	99198815	2	pc		
				Material type: EPDM					
				Thickness: 2,4					
3	8	Bulk, O-ring (50 pcs)		Diameter: 16,3	99412727	2	pc		
				Material type: EPDM					
				Thickness: 2,4					
4	4	Suction interconnector cpl.			98633886	1	pc		
	-	Bulk, Seal ring (10 pcs)			979152				
6	5	Bulk, Top f/neck ring (10 pcs)			965349	931	1		
4	7a	Bulk, Bearing cpl. (5 pcs)			99366796	2	pc		
4	7a	Bulk, Bearing cpl. (10 pcs)			96534932	2	pc		
4	9e	Impeller cpl.			98394326	7	pc		
4	8	Bulk, Nut (3 pcs)			992620	580	1		
4	8	Bulk, Nut (10 pcs)			992626	583	1		
4	8	Bulk, Nut (10 pcs)			965360	016	1		
4	9b	Bulk, Split cone (10 pcs)			965360	010	1		
4	.9	Bulk, Impeller (10 pcs)			965349	933	1		
4	9c	Bulk, Wear ring (10 pcs)			96	5349	30		
5	5	Outer sleeve		Outer diameter: 197	99051707	1	pc		
				Length (mm): 515,5					
5	8	Cover			98893158	1	pc		
6	0	Bulk, Spring (20 pcs)			96536032	4	pc		
1	05	Bulk, Shaft seal (12 pcs)		Material type: HQQE	96984086	1	pc		
		Adjusting fork			965878	396	1		
	09	Bulk, O-ring (10 pcs)			96547	586	1		
1	05	Bulk, Shaft seal (12 pcs)		Material type: HQQE	96984070	1	pc		
2	03	Bulk, Lock ring (4 pcs)			96534918	1	pc		