

Submittal Data

PROJECT:	UNIT TAG:	QUANTITY:	
	 TYPE OF SERVICE:		
REPRESENTATIVE:	 SUBMITTED BY:	 DATE:	
ENGINEER:	APPROVED BY:	DATE:	
CONTRACTOR:	 ORDER NO.:	 DATE:	

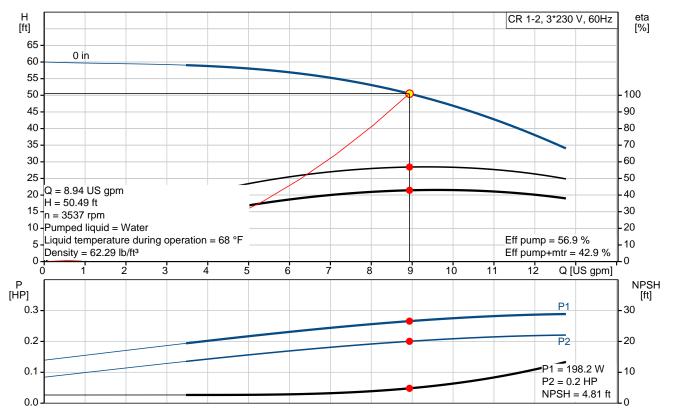


CR 1-2

Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron. All other wetted parts are in stainless steel (EN 1.4301)(AISI 304)

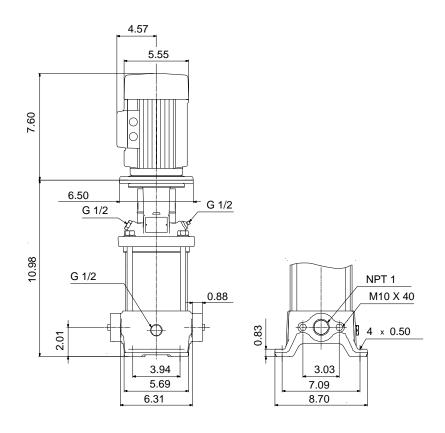
Product photo could vary from the actual product

Conditions of Service		Pump Data	ata Motor Data		or Data
Flow:	8.94 US gpm	Max pressure at stated temperature:	232 psi / 250 °F	Rated power - P2:	0.33 HP
Head:	50.49 ft	Maximum ambient temperature:	104 °F	Rated voltage:	208-230YY/460Y V
Efficiency:	42.9 %	Approvals:	CURUS,NSF61	Main frequency:	60 Hz
Liquid:	Water	Shaft seal:	HQQE	Enclosure class:	55 Dust/Jetting
Temperature:	68 °F	Product number:	96081966	Insulation class:	F
NPSH required:	4.81 ft			Motor protection:	NONE
Viscosity:				Motor type:	71AA
Specific Gravity:	1.000			Motor_efficiency:	78.5 %



Submittal Data





Materials:

Base:

..

Impeller:

Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Stainless steel AISI 304 EN 1.4301 A

Material code: A Code for rubber: E



Date:

2/20/2018

Tender Text



Product No.: 96081966 CR 1-2 A-B-A-E-HQQE Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation. The pump has the following characteristics: Impellers and intermediate chambers are made of The shaft seal has assembly length according to EN 12756. - Power transmission is via cast iron split coupling. The motor is a 3-phase AC motor. Controls: Frequency converter: NONE Liquid: Pumped liquid: Water Liquid temperature during operation: 68 °F Density: 62.29 lb/ft3 **Technical:** Speed for pump data: 3425 rpm Actual calculated flow: 8.94 US gpm Resulting head of the pump: 50.49 ft Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CURUS,NSF61 Curve tolerance: ISO9906:2012 3B Materials: Base: Cast iron EN 1561 EN-GJL-200 **ASTM A48-25B** Impeller: Stainless steel EN 1.4301 AISI 304 Bearing material: SIC Installation: Maximum ambient temperature: 104 °F Max pressure at stated temperature: 232 psi / 250 °F 232 psi / -4 °F Type of connection: Oval / NPT(F) Size of suction port: 1 inch



Date:

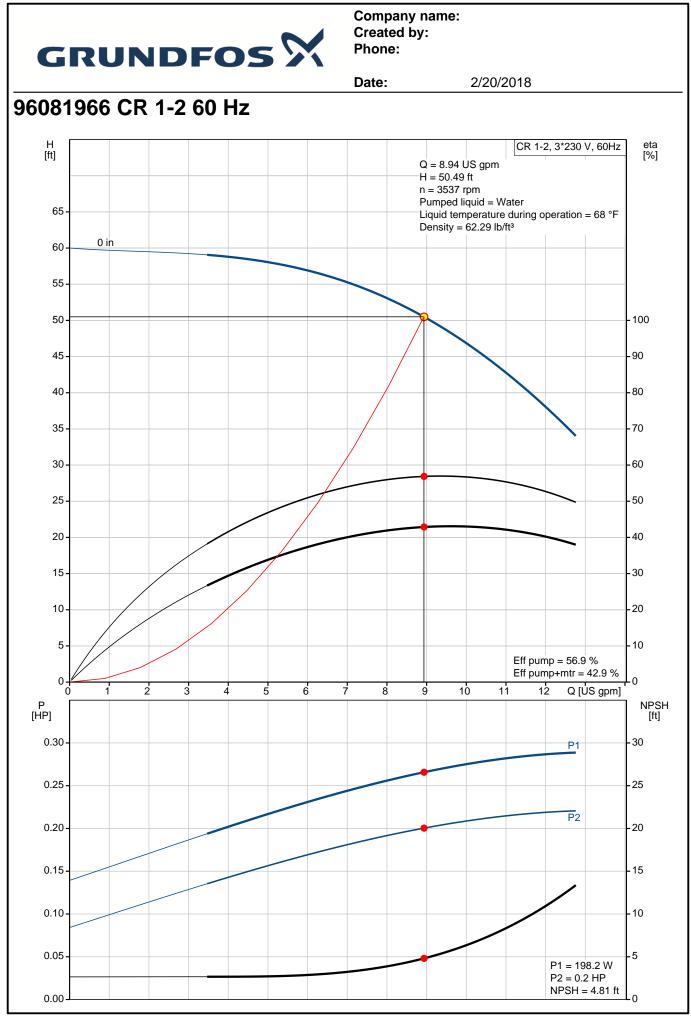
2/20/2018

Size of outlet port: Pressure rating: Flange size for motor:	1 inch PN 16 56C
Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Main frequency: Rated voltage: Service factor: Rated current: Starting current: Cos phi - power factor: Rated speed: Motor efficiency at full load: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85):	NEMA 71AA NA 0.33 HP 0.33 HP 60 Hz 3 x 208-230YY/460Y V 1,35 1,12-1,10/0,55 A 630-700 % 0,81-0,75 3450-3480 rpm 78.5 % 2 55 Dust/Jetting F
Others: Net weight: Gross weight: Shipping volume:	45.6 lb 56.6 lb 4.94 ft ³

G	RU	INDFOS	Company r Created by Phone:		
			Date:	2/20/2018	
Position	Count	Description			
	1	CR 1-2 A-B-A-E-HQQE			
		Product No.: 96081966 Vertical, non-self-priming, multis centrifugal pump for installation and mounting on a foundation.			
		The pump has the following cha Impellers and intermedia The shaft seal has assen according to EN 12756. Power transmission is via coupling.	te chambers are made on holy length	of	
		The motor is a 3-phase AC moto	or.		
		Controls: Frequency converter:	NONE		
		Liquid: Pumped liquid: Liquid temperature during opera Density:	Water ition: 68 °F 62.29 lb/ft³		
		Technical: Speed for pump data: Actual calculated flow: Resulting head of the pump: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	3425 rpm 8.94 US gpm 50.49 ft Vertical Single HQQE CURUS,NSF61 ISO9906:2012 3B		
		Materials: Base:	Cast iron EN 1561 EN-GJL-200		
		Impeller:	ASTM A48-25B Stainless steel EN 1.4301		
		Bearing material:	AISI 304 SIC		
		Installation: Maximum ambient temperature: Max pressure at stated tempera			
		Type of connection: Size of suction port: Size of outlet port:	Oval / NPT(F) 1 inch 1 inch		



			Date:	2/20/2018
Position	Count	Description		
		Pressure rating: Flange size for motor:	PN 16 56C	
		Electrical data: Motor standard:	NEMA	
		Motor type:	71AA NA	
		IE Efficiency class: Rated power - P2:	0.33 HP	
		Power (P2) required by pump:	0.33 HP	
		Main frequency: Rated voltage:	60 Hz 3 x 208-230YY/460Y V	
		Service factor:	1,35	
		Rated current: Starting current:	1,12-1,10/0,55 A 630-700 %	
		Cos phi - power factor:	0,81-0,75	
		Rated speed:	3450-3480 rpm	
		Motor efficiency at full load: Number of poles:	78.5 % 2	
		Enclosure class (IEC 34-5):	55 Dust/Jetting	
		Insulation class (IEC 85):	F	
		Others: Net weight:	45.6 lb	
		Gross weight:	56.6 lb	
		Shipping volume:	4.94 ft ³	



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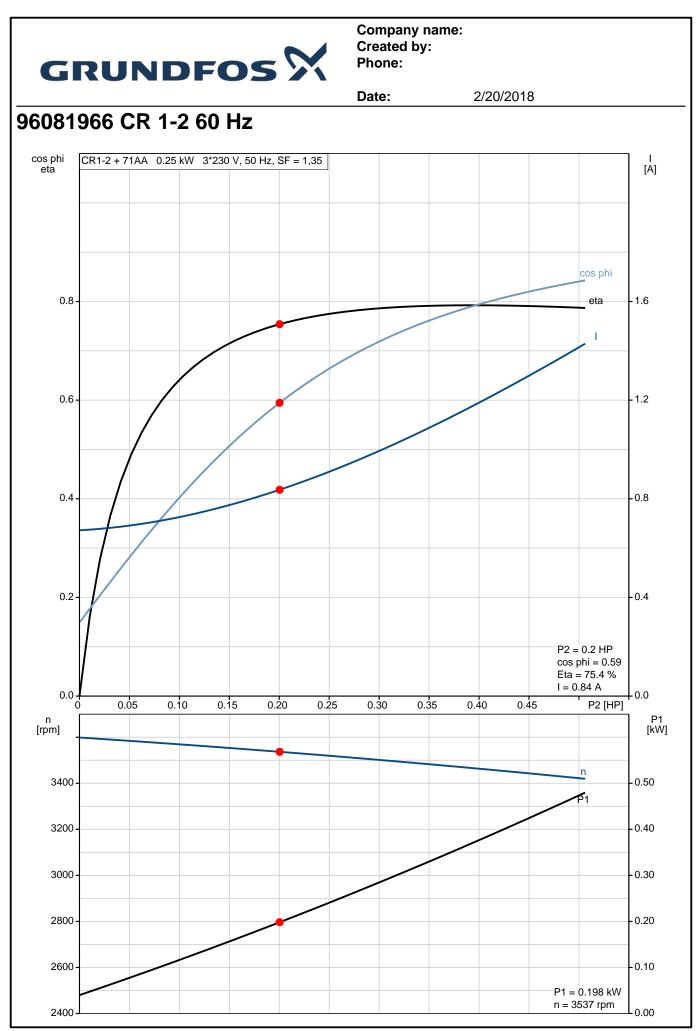


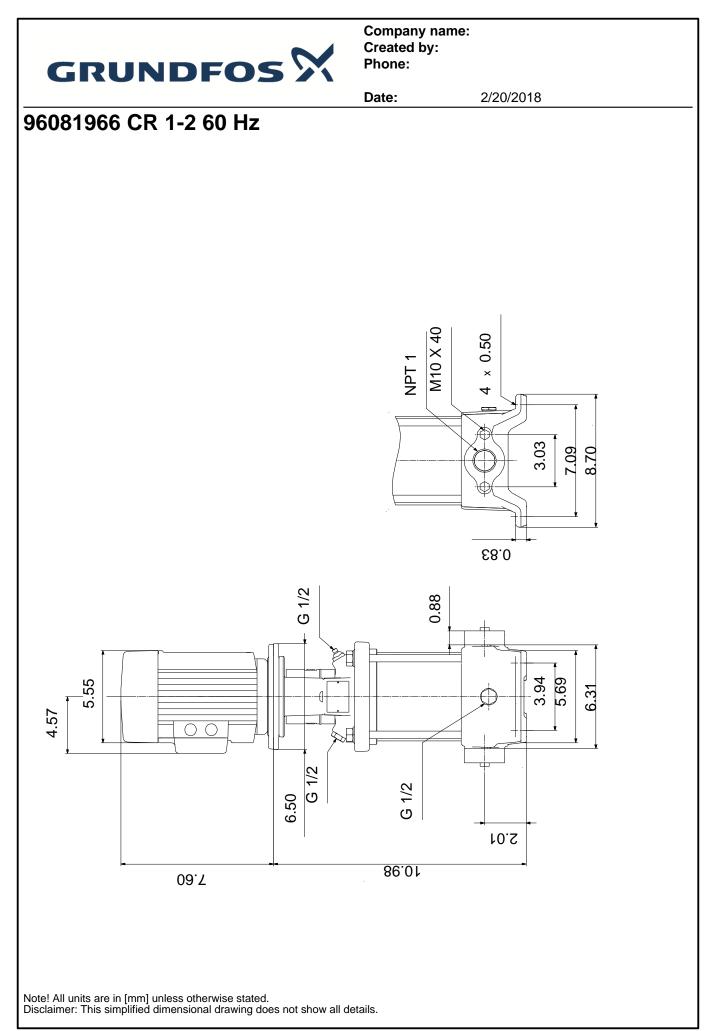
		Date:	2/20/2018
Description	Value	H [ft]	CR 1-2, 3*230 V, 60Hz [%]
General information:			Q = 8.94 US gpm
Product name:	CR 1-2 A-B-A-E-HQQE	65 -	H = 50.49 ft n = 3537 rpm
Product No.:	96081966	60 0	in Pumped liquid = Water
EAN:	5700395167047		Liquid temperature during operation = 68 °F Density = 62.29 lb/ft ³
EAN.	5700395167047	55 -	
Fechnical:		50 -	100
Speed for pump data:	3425 rpm	45 -	
Actual calculated flow:	•	40 -	- 80
	8.94 US gpm		
Resulting head of the pump:	50.49 ft	35 -	70
Stages:	3	30 -	
mpellers:	2	25 -	50
Low NPSH:	Ν		
Pump orientation:	Vertical	20 -	40
Shaft seal arrangement:	Single	15 -	- 30
Code for shaft seal:	HQQE	10 -	-20
Approvals on nameplate:	CURUS,NSF61		
Curve tolerance:	ISO9906:2012 3B	5-	Eff pump = 56.9 %
Pump version:	А	0	Eff pump+mtr = 42.9% 0
Model:	A	o j	2 4 6 8 10 Q [US gpm]
Cooling:	TEFC	P [HP]	NPS [ft]
		_ · · · ·	P1
Materials:		0.25 -	- 25
Base:	Cast iron	—	P2 20
5466.	EN 1561 EN-GJL-200	0.20 -	P2 -20
	ASTM A48-25B	0.15 -	15
Impeller	Stainless steel	[
Impeller:		0.10	10
	EN 1.4301	0.05 -	P1 = 198.2 W P2 = 0.2 HP 5
	AISI 304		NPSH = 4 81 ft
Material code:	A	0.00 -	
Code for rubber:	E		4.57
Bearing material:	SIC		5.55
Installation:			
Maximum ambient temperature:	104 °F	7.60	
Max pressure at stated temperature:	232 psi / 250 °F		
	232 psi / -4 °F	6.50	
Type of connection:	Oval / NPT(F)	G	
Connect code:	В		
Size of suction port:	1 inch	86. 62 <u>G 1</u>	
Size of outlet port:	1 inch	_	0.88 M10 X 40
Pressure rating:	PN 16	2.01	
Flange size for motor:	56C	2	
			5.69 6.31
Liquid:			
Pumped liquid:	Water		
Liquid temperature during operation:	68 °F		
Density:	62.29 lb/ft ³	_	<u>∆</u> WARNING
Electrical data:		MOTOR MUST WITH THE NAT	F BE GROUNDED IN ACCORDANCE TIONAL ELECTRICAL CODE AND
		LOCAL CODES	S BY TRAINED PERSONNEL TO RIOUS ELECTRICAL SHOCKS.
Motor standard:	NEMA	TO SERVICE M SOURCE FRO	MOTOR, DISCONNECT POWER MI MOTOR AND ANY ACCESSORY
Motor type:	71AA		ALLOW MOTOR TO COME TO A
E Efficiency class:	NA	LOW VOL	TAGE HIGH VOLTAGE
	0.33 HP	60Hz. 208- 6 5	2230V 50Hz 480V 2230V 50Hz 400V ▲ 6♥ 5♥ 4♥
		9• 8•	7● 9● 8● 7●
Rated power - P2: Power (P2) required by pump:	0.33 HP		
Power (P2) required by pump:	0.33 HP 60 Hz	3∳ 2∳	
Power (P2) required by pump: Main frequency:	60 Hz	3 ¢ 2 ¢ L3 L2	L3 L2 L1 👹
Power (P2) required by pump: Main frequency: Rated voltage:	60 Hz 3 x 208-230YY/460Y V		
	60 Hz		L3 L2 L1 g

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		Date:	2/20/2018	
Description	Value			
Load current:	1,5-1,45/0,75 A			
Cos phi - power factor:	0,81-0,75			
Rated speed:	3450-3480 rpm			
Motor efficiency at full load:	78.5 %			
Number of poles:	2			
Enclosure class (IEC 34-5):	55 Dust/Jetting			
Insulation class (IEC 85):	F			
Motor protection:	NONE			
Motor Number:	85900700			
Controls:				
Frequency converter:	NONE			
Others:				
Net weight:	45.6 lb			
Gross weight:	56.6 lb			
Shipping volume:	4.94 ft ³			

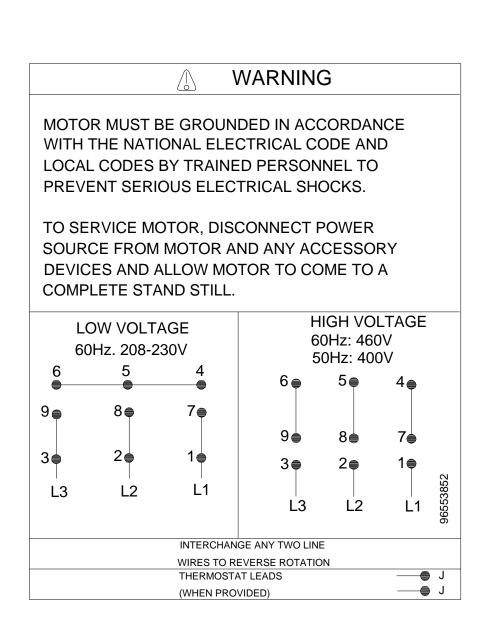






2/20/2018

96081966 CR 1-2 60 Hz



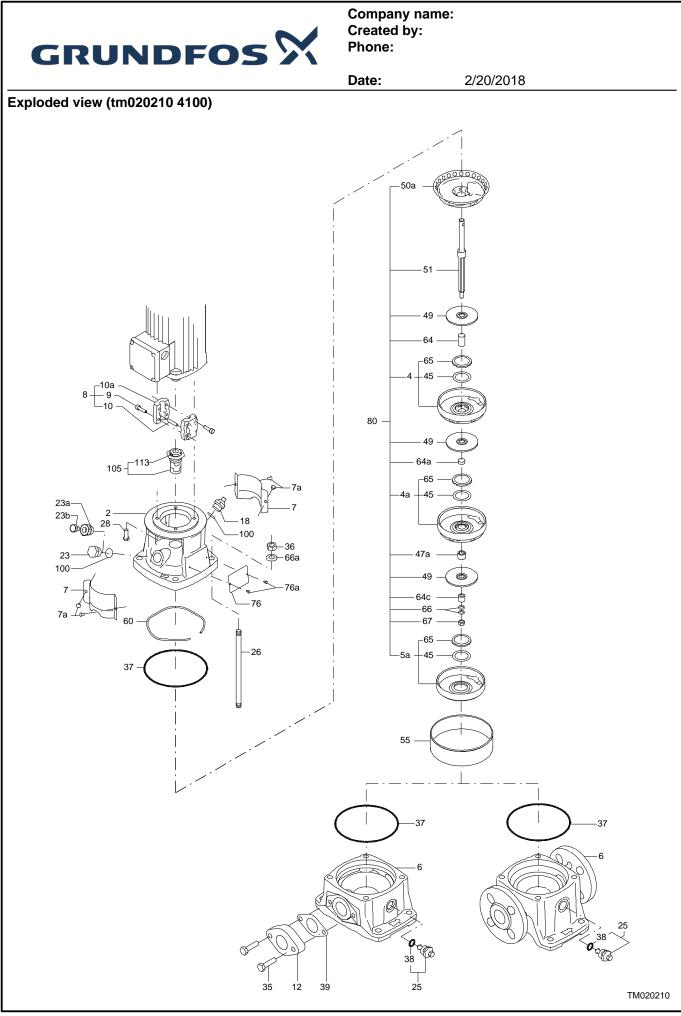


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Order Data:

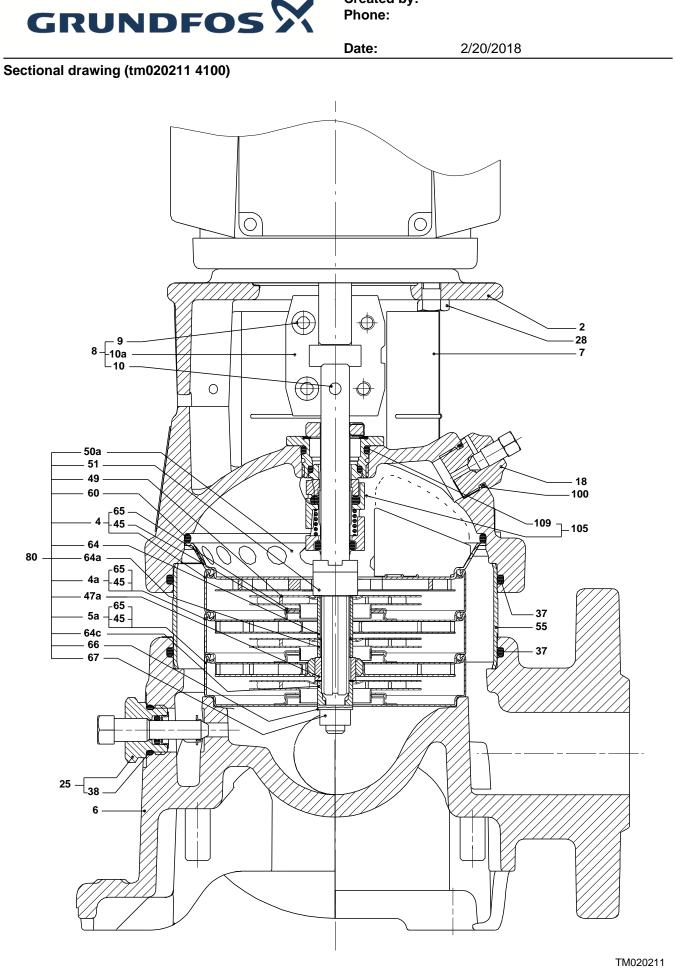
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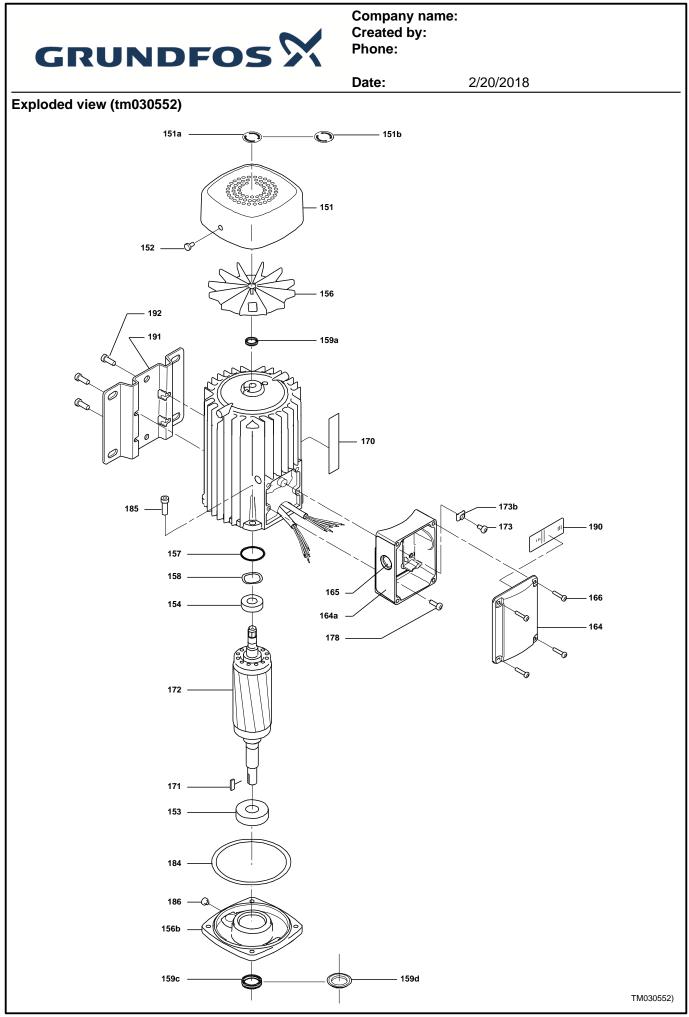
Total: Price on request





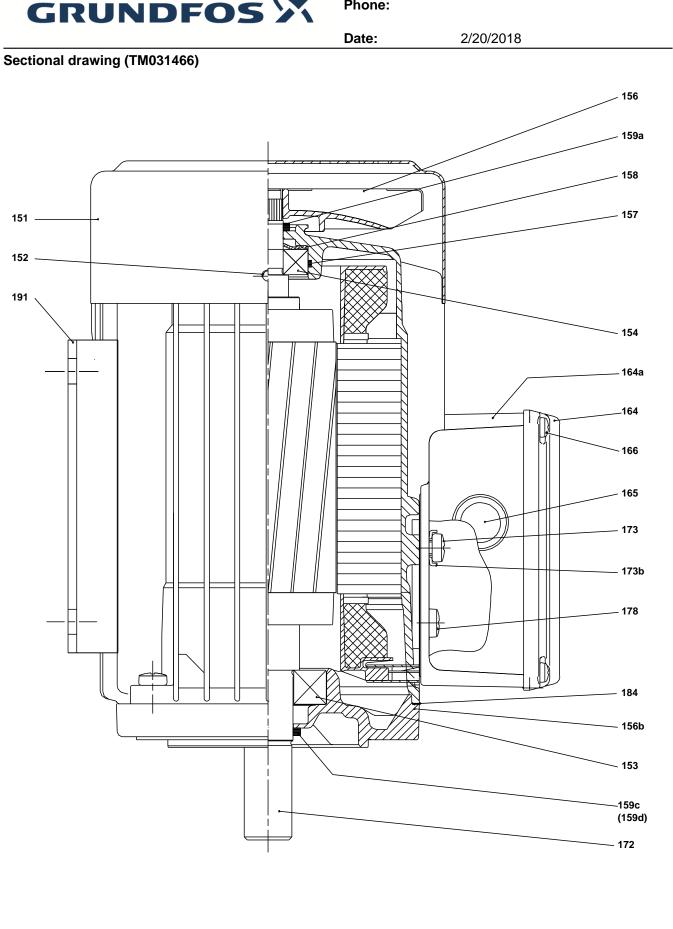
Company name: Created by:





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Date:

2/20/2018

Parts list CR 1-2, Prod number 96081966 Valid from 10.1.2005 (0503)

	Position	•	Annotation	Classification data	Part No.		unt	
		Motor				1		pcs
ł		Motor				1		pcs
-		Base cpl.				1		pcs
	6	Base					1	
	12	Flange					2	
	35	Hex head screw		Length: 40			4	
				Thread: M10				
	37	Gasket					2	
-		Sealing parts				1		pcs
-	25	Drain plug w/bypass valve					1	
	38	O-ring		Diameter: 16,3				
				Material type: EPDM				
				Thickness: 2,4				
	37	O-ring					2	
	100	O-ring		Diameter: 16,3			2	
				Material type: EPDM				
				Thickness: 2,4				
	2	Pump head cpl.				1		pcs
	2	Pump head					1	
	7	Coupling guard					2	
	7a	Thread cutting screw					4	
-	18	Air vent screw					1	
		Plug						
		Spindle						
-	25	Drain plug					1	
	23	Pipe plug						
	25	Drain plug						
	28	Hex head cap screw		Length: 25			4	
				Thread: UNC 3/8"			•	
	60	Formed wire spring					1	
+	8	Coupling cpl.				1	•	pcs
•	26	Staybolt		Length: 79		4		pcs
	20	Olayboli		Thread: M12		-		pco
	36a	Washer		Designation: DIN 125 A		4		pcs
	500	Washer		Inner diameter: 13		-		pcs
				Outer diameter: 24				
				Thickness: 2,5				
	55	Outer sleeve		1 HIGKI 1633. 2,3		1		nce
	55 66a	Nut		Thread: M12		4		pcs
	80	Chamber stack				4		pcs
+		Shaft seal		Motorial type: HOOF		-		pcs
-	105			Material type: HQQE		1	1	pcs
		O-ring						
		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					1	
	102	O-ring		Diameter: 22,00			1	
				Material type: EPDM				



		Date:	2/20/2018
Position	Description	Annotation Classification data	Part No. Count Unit
		Thickness: 2,75	
103	Seal ring, stationary		1
105	Seal ring, rotating		1
107	O-ring		1
113	Driver		1