

Chemical standard pumps Series CNP

- ◉ Product overview
- ◉ Executions
- ◉ Materials
- ◉ Types of seals
- ◉ Dimensional drawings and exploded views



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STROBL PUMPEN

Strobl Pumpen is your partner for centrifugal pumps. We offer reliable pumps for all fields of conveying liquids. You have an issue in pumping? We offer the ideal solution! Therefore, we supply as well complete installations or packages. Excellent quality is our request to ourselves and our suppliers, with our products you decide to head for constantly high quality. This is highlighted by our production in Germany, our makes are truly „Made in Germany“.



Member of

**German Water
Partnership**

Since our founding in 2006 we developed from a niche vendor to a highly specialised partner for machine and installation construction.

Our pump series meanwhile cover different industries and applications, from **sewage water and drainage pumps** in municipal use, over **compact pumps** for installations and vehicles to highly specialised pumps for the chemical, petrochemical and offshore industry.

Our main aim is to obtain highest technical demands and customers' requests from beginning of development to creation of final products. This is the major commonality of all our pumps.

Continuous development of our products and expansion with new complementing product series will determine our future actions.



As a constantly high quality is a goal to us, we record all development and production steps since the first day in accordance with the common standards. To have this confirmed externally, we are certified to ISO 9001 for more than ten years.

To us environment and sustainability are subjects that need to be filled with life. Therefore, we take care for small but efficient changes. Thus, we use rainwater, implement energy saving machines, have transferred our vehicle fleet to a mostly electric one and built our edifices to the latest energetic standards. To make our efforts visible, we joined the "UmweltPakt Bayern" in 2019, where we obligate ourselves to take further ecological steps.

In addition we joined "Familienpakt Bayern" in December 2023. Social commitment for us starts with our employees, whom we want to present an ideal work environment with or without having a family.

Strobl Pumpen is an owner-managed family enterprise. Our innovative employees are base of our success. Our company is located in Hilpoltstein, close to Nuremberg and therefore in the heart of Bavaria. Since 2010 our headquarters are in the industrial area "*Am Kränzleinsberg*". The office building with fabrication hall and big test bed has already been enlarged in 2016 by another hall. 2019 we added a deep bore hole to the test bed and in 2020 we moved into the out-building of the yet existing office edifice.

Together with our employees and our customers we want to grow further and fulfil our core point conveying of liquids best possible.



metropolregion nürnberg

KOMMEN. STAUNEN. BLEIBEN.



General description

Chemical standard pumps in the CNP series are single-stage, normal-priming centrifugal pumps that have been developed for use in the chemical and petrochemical industries. The pumps are characterized by standardized dimensions and hydraulic performance, based on ISO 2858. This is supplemented by smaller and larger sizes. Our series covers the full range, from simple basic variants to ISO 5199 variants and API 610-OH1 versions. The possible scope of supply ranges from individual pumps with free shaft ends to fully developed, highly integrated complete systems.

Fields of application

Chemical standard pumps are primarily used to pump various liquids in the chemical industry. Due to the variety of available materials, they can also handle aggressive or abrasive liquids. These pumps can handle acids, alkalis, and slightly viscous substances. Our clients currently use chemical standard pumps in the following areas:



- Conveying of process liquids
- Hydrogen production
- Chemical recycling of plastic waste



- Industry and plant engineering
- Circulation of liquids
- Refinery and offshore applications

Operating data

Flow:	Q up to 1500 m ³ /h
Head:	H up to 160 m
Motor power:	P from 0,37 kW to 355 kW
Casing design pressure:	Series CNP/CNPL/CNPN: 16 bar at 20°C 25 bar at 20°C, material with higher strenght
	Series CNPHL/CNPHN: 100 bar at 20°C
	Series CNPH2L/CNPH2N: 250 bar at 20°C

Medium temperatures: from -20°C to 350°C

Other operating data and variants with heating and cooling jackets are available on request.

Connections

Flanges are designed as RF flanges in accordance with EN 1092-2/PN16 as standard. For variants with higher pressure ratings, the pump casings are equipped with flanges in accordance with EN 1092-2/PN25, PN100, PN250 or special high-pressure flanges, depending on the application. As an alternative, all flanges can be drilled according to the relevant ANSI B16.5 variants (150RF or 300RF). Adapters for special customer-specific flanges, other standards or threaded connections are available on request.

Type code

Series

CNPL 40-25-160-XX

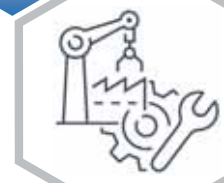
CNPL/CNPHL	- Horizontal chemical standard pump, with oil lubricated bearing and free shaft end (standard version)
CNPN/CNPHN	- Horizontal chemical standard pump in close coupled version
CNPVS	- Vertical sump pump with medium lubricated guide bushings

Our CNPL and CNPHL series pumps are designed with high-performance, oil-lubricated bearings and a free shaft end. The bearings can optionally be supplied as grease-lubricated or high-temperature versions. The free shaft ends make it possible to use different versions of drives on the pump. To ensure correct installation of pump, drive and coupling, all our pumps can be supplied with different base frame options. If additional drip leakage needs to be drained away precisely, our base frames can also be equipped with a drip tray and drain connection.

Our CNPN/CNPHN series pumps do not require any own bearings. The motors are flanged directly to the pumps. Standard motors are equipped with stub shafts for this purpose. This design is more compact and shorter than the CNPL/CNPHL series, and bearing maintenance intervals are completely eliminated.

Our CNPVS pumps are designed for direct tank installation. In this configuration, the casing and impellers are fully submerged in the medium, while the motor is installed in a dry location. This design complies with VS4 according to API610. Depending on the version, the existing intermediate bearings used for shaft guidance are lubricated either directly with the pumped medium or with grease.

Chemical standard pumps Series CNP



Nominal size of suction nozzle

CNPL **40**-25-160-XX See dimensional drawing or characteristic curve

Nominal size of pressure nozzle

CNPL 40-**25**-160-XX See dimensional drawing or characteristic curve

Nominal diameter of impeller

CNPL 40-25-**160**-XX See dimensional drawing or characteristic curve

Impeller execution

CNPL-**I** 40-25-160-XX

- | | |
|---|-------------------------------|
| O | - closed multi-blade impeller |
| | - semi-open impeller |
| I | - Inducer |

Execution code

CNPL 40-25-160-**X31**

- | | |
|-----|--|
| | - Standard version |
| X01 | - Version with casing wear ring |
| X10 | - Version PN25 if not identical to PN16 |
| X11 | - Version PN25 if not identical to PN16 + casing wear ring |
| X20 | - Version PN40 if not identical to PN16 |
| X21 | - Version PN40 if not identical to PN16 + casing wear ring |
| X30 | - Version ANSI RF150 |
| X31 | - Version ANSI RF150 + casing wear ring |
| X40 | - Version ANSI RF300 |
| X41 | - Version ANSI RF300 + casing wear ring |
| XXX | - Special versions, e.g. with vent piping, etc. |

Materials

Please note the information below for the following material tables

- ⊙ Standard variants of the materials in Table 1
- ⊙ Further material options in Table 2
- ⊙ Wear rings available in other materials or with hard facing on request
- ⊙ Can for MAK (magnetic coupling) made of Hastelloy as standard, other materials available
- ⊙ For CNPH variants, Can of MAK is made of titanium as standard

Part	Material code								
	Y116	Y106	Y117	Y108	Y410	Y408	Y501	Y601	Y602
Casing	Cast iron GG 25		Nodular cast iron GGG40		Carbon steel 1.0619		Stainless steel 1.4571/1.4408	Duplex steel 1.4470	Superduplex 1.4469
Impeller	Stainless steel 1.4571/1.4408							Duplex steel 1.4470	Superduplex 1.4469
Casing wear ring	Non metallic material PEEK CF30								
Shaft	Chromium steel 1.4021	Duplex steel 1.4462	Chromium steel 1.4021	Duplex steel 1.4462	Chromium steel 1.4021	Duplex steel 1.4462			Superduplex 1.4501
Bearing housing and lantern	Cast iron GG 20/25								
	For variants with sealing variant Z8XX (magnetic coupling)								
Secondary containment	Stainless steel 1.4571								
Can (MAK)	Hastelloy 2.4610								
Material code according API						S8	A8	D1	D2

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General

Material	DIN EN 10027-1	Code	ASTM-UNS-Code
Cast Iron	GG 25	0.6025	A48 Grade 35
Nodular Cast Iron	GGG 40	0.7040	A536-60-40-18
Bronze	G-CuSn10	2.1050.01	B505-C90700
Aluminium Bronze	G-CuAl10Ni	2.0975.01	B505-C90500
	CuAl11Ni6Fe6	2.0978	B150-C63020
Hard Iron	G-X300CrMo15-3	0.9635	A532-Class II Typ B
Cast Steel / Steel	GS-C25	1.0619	A216-WCB-J03002
	S235Jr (St 37)	1.0037	A29-1013-G10150
	C 22	1.0402	A29-1020-G10200
	G20Mn5	1.6220	A352-LCC-J03003
Chromium Steel	G-X4CrNi13-4	1.4317	A487-CA6NM-J91540
	X20Cr13	1.4021	A276-S42000
Stainless Steel	G-X5CrNiMo19-11-2	1.4408	A351-CF8M-J92900
	X6CrNiMoTi17-12-2	1.4571	A276-316Ti-S31635
	G-X1CrNiSi18-15-4	1.4361	Alloy 1815 - S30600
	X1CrNiSi18-15-4	1.4361	Alloy 1815 - S30600
Duplex Steel	G-X2CrNiMoN22-5-3	1.4470	A995-4A-J92905
	X2CrNiMoN22-5-3	1.4462	A276-S31803
Super Duplex Steel	X2CrNiMoN26-7-4	1.4469	A995-5A-J93404
	X2CrNiMoCuWN25-7-4	1.4501	A276-S32760
Duplex Hard Iron	G-X40CrNiMo27-5	1.4464	
High Alloy Stainless Steel	G-X2CrNiMoCuN20-18-6	1.4557	A744-6Mo-J93254
	X1CrNiMoCuN20-18-7	1.4547	A276-6Mo-S31254
	G-X2NiCrMoCuN25-20-6	1.4588	A744-CN3MN - J94651
	X1NiCrMoCuN25-20-7	1.4529	Alloy 926 - N08926
	G-X2NiCrMoCu25-20-5	1.4584	(Alloy 904L - N08904)
	X1NiCrMoCu25-20-5	1.4539	Alloy 904L - N08904
	X1NiCrMoCu31-27-4	1.4563	Alloy28 - N08028
	G-X1CrNiMoCuN33-32-1	1.4591s	Alloy 33
	X1CrNiMoCuN33-32-1	1.4591	Alloy 33 - R20033
Nickel	G-Ni95	2.4171	Ni 95
	Ni200 / Ni201	2.4066/2.4068	Ni200 / Ni201 - N02200/02201
Alloy 825	G-NiCr21Mo	2.4858	Alloy 825 -
	NiCr21Mo	2.4858	Alloy 825 -
Hastelloy B	G-NiMo30	2.4810	Hastelloy B - N10001
	NiMo28 / NiMo29Cr	2.4617/2.4600	Hastelloy B2/B3 - N10675
Hastelloy C	G-NiMo16Cr16Ti	2.4610	Hastelloy C4 - N06455
	NiCr16Mo15W	2.4819	Hastelloy C 276 - N10276
Inconel 718	NiCr19NbMo	2.4668	Alloy 718 - N07718
Titanium Grade 2	Ti 2	3.7035	Grade 2 - R50400
Titanium Grade 5	Ti 6Al-4V	3.7164/65	Grade 5 - R56400
Titanium 6-2-4-6	Ti 6-2-4-6		
Titanium Grade 7	Ti-0,15Pd	3.7235	Grade 7 - R52400
Titanium Grade 16	Ti-0,05Pd		Grade 16 - R52402
Zirconium Z702	Zirconium		ZR 702 - R60702

Types of seals

Directly integrated balanced or unbalanced seals (Z1XX or Z2XX)

- ⊙ Standard version: Direction-of-rotation-independent rubber bellow seal with carbon/SiC material combination and elastomers in NBR, FKM, EPDM, HNBR, etc.
- ⊙ Special versions with covered springs, metal bellow or highly chemical-resistant elastomers such as FFKM

Cartridge seals installed on the casing cover

- ⊙ Connections to cartridge seals always NPT thread $\frac{1}{4}"$, $\frac{3}{8}"$ $\frac{1}{2}"$ according to seal size/shaft diameter
- ⊙ Cartridge seals standardized to match pump material, higher-quality materials for parts in contact with media possible at any time
- ⊙ Single-acting seals as above, but with flush connections and throttle chambers (quench chambers) for leakage drainage or liquid supply (e.g. API Plan 02, 11/61) (Z1XX or Z2XX)
- ⊙ Double-acting seals in back-to-back arrangement and integrated pumping thread (API Plan 53b) (Z3XX)
 - Material pairings as desired and depending on the medium
 - Carbon/SiC or SiC/SiC on the product side and carbon/SiC on the atmospheric side
 - O-rings in contact with the medium available in various materials (NBR, FKM, EPDM, FFKM), etc.
- ⊙ Any cartridge seal (specific manufacturers, design variants, etc.) is possible on request
- ⊙ Mounted sealing systems on base frame are possible

Sealless variant with magnetic coupling (Z8XX)

- ⊙ Medium-lubricated slide bearing in SiC/SiC + 1.4571
- ⊙ Can in Hastelloy (see material table)
- ⊙ Magnets made of Sm2Co17
- ⊙ Any additional static sealing elements required made of any elastomers
- ⊙ Safety chamber behind the magnetic coupling is available in various designs (leakage drainage only, throttle bushing, gas seal)

Other versions available on request (e.g. packing)



Drives

Standard three-phase asynchronous motors with efficiency classes in accordance with EN 60034-30 are used as drives in complete systems or the CNPN/CNPHN variants. Optionally, motors in higher efficiency classes, according to NEMA (electrical or mechanical), hazardous location versions (ATEX), and special designs with specific approvals or classifications are available.

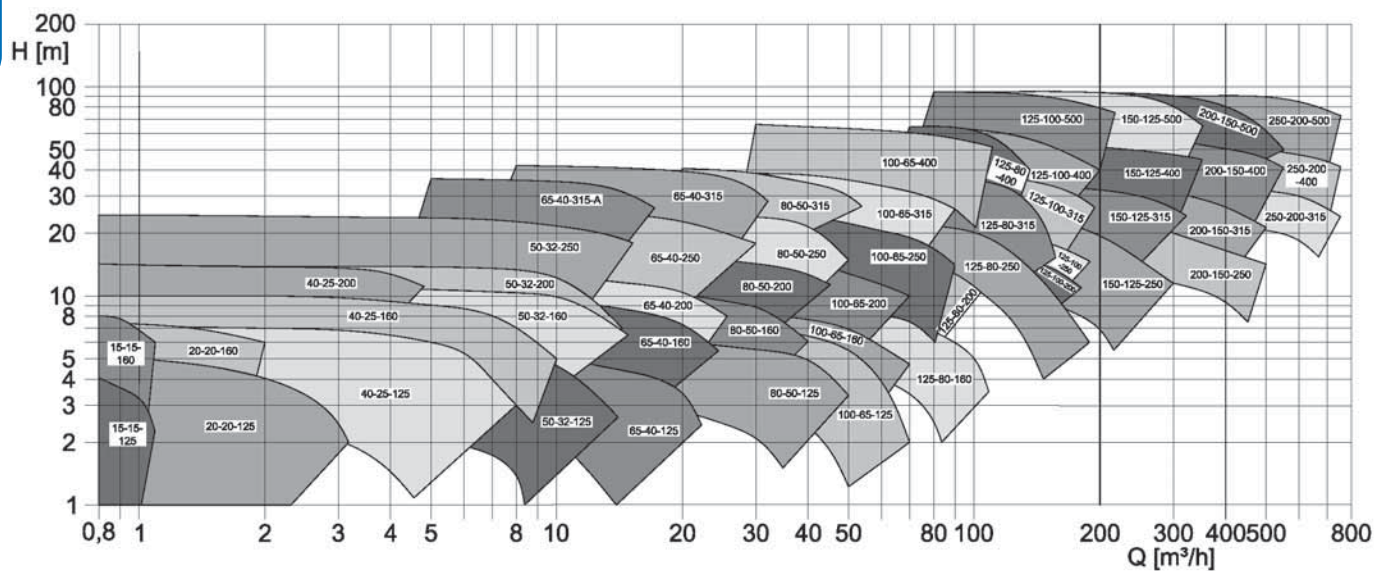
Depending on the motor and application, supplementary control panels or frequency converters can be supplied with the drive and mounted directly on the motor or attached to the base frame.

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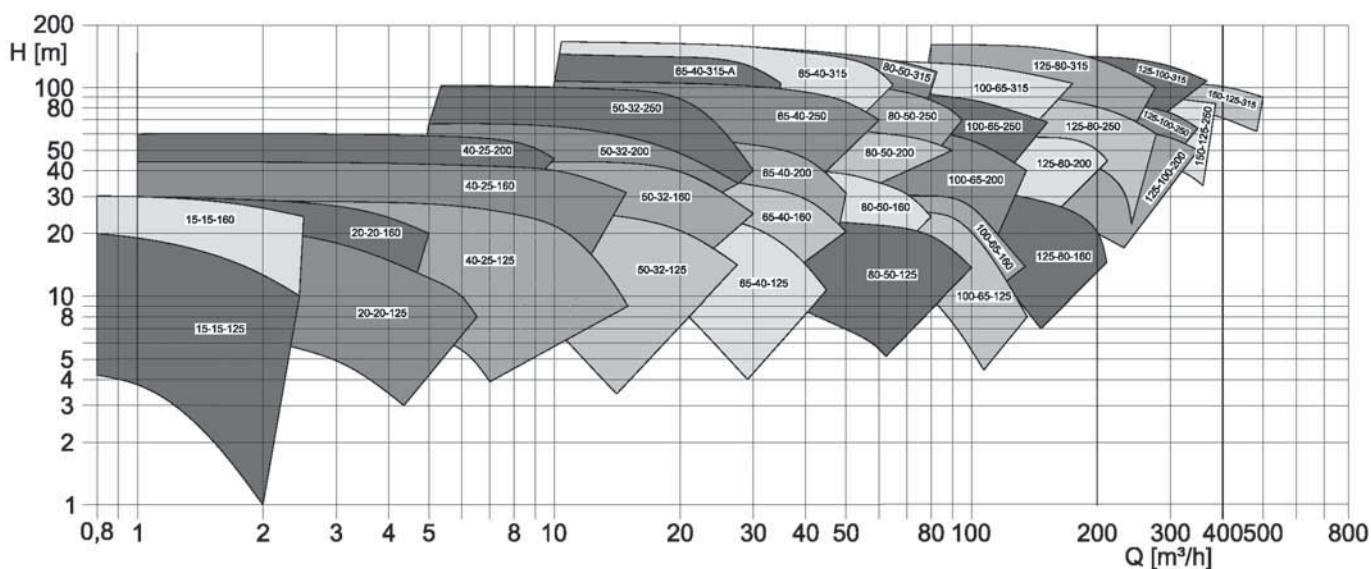
Characteristic curves

50Hz - 1500 min-1

General



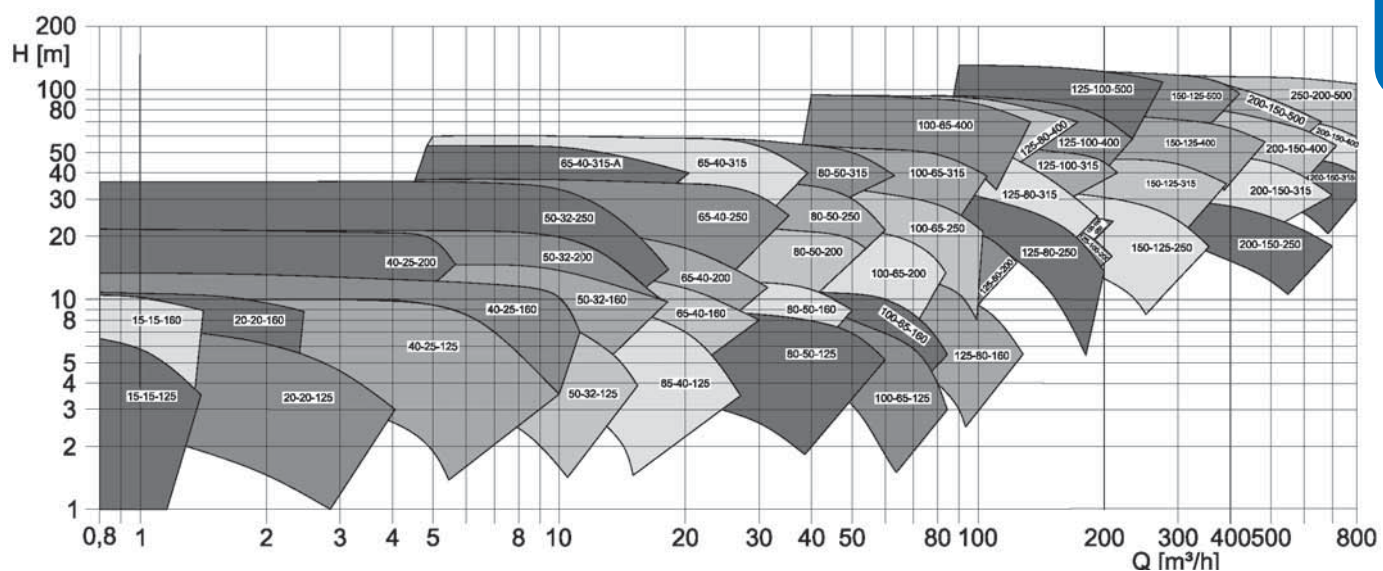
50Hz - 3000min-1



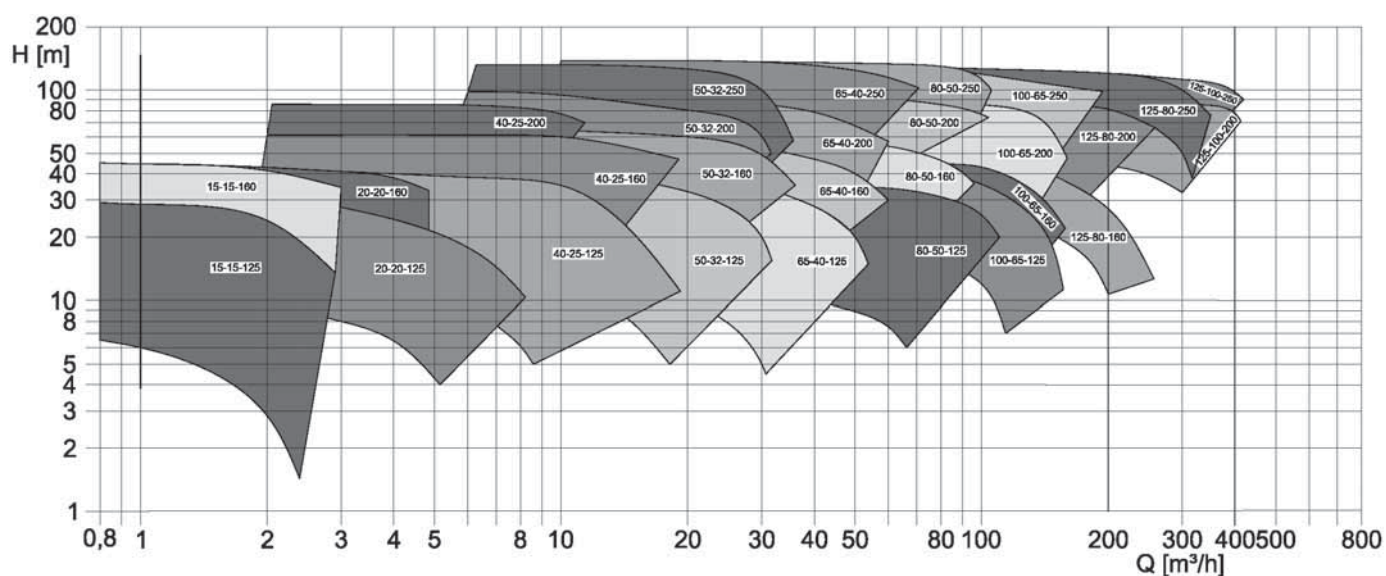
Chemical standard pumps Series CNP



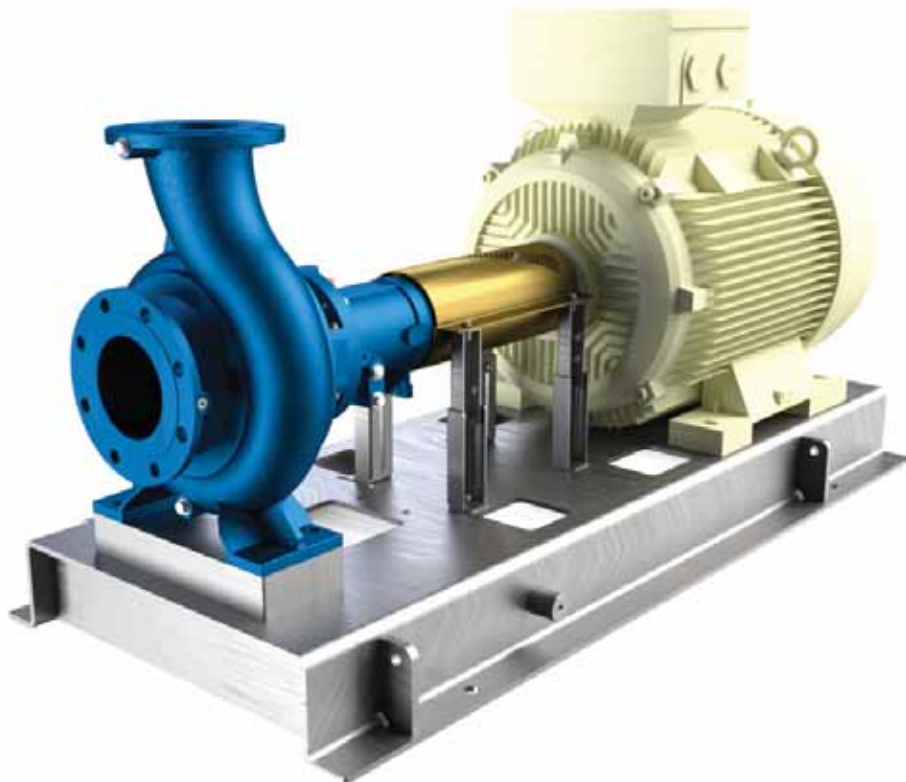
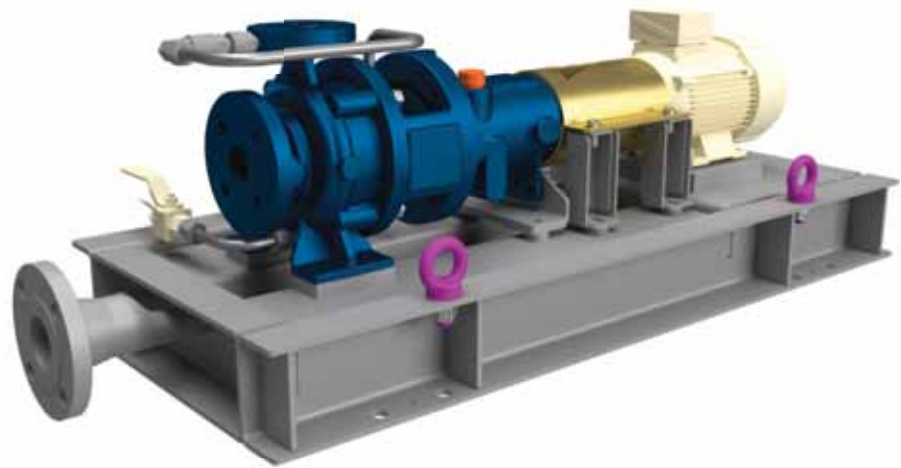
60Hz - 1800min-1



60Hz - 3600 min-1



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Information on dimensional drawings and exploded views

Please note the information below regarding the following pages:

- ⦿ All dimensions are given in mm.
- ⦿ Flanges are designed in accordance with EN 1092-2 PN16, PN25 or PN40 as standard.
- ⦿ Flanges can alternatively be drilled in accordance with ANSI B16.5 150RF or 300RF.
- ⦿ Weights of individual components are available on request for specific orders.
- ⦿ Dimensional drawings for the CNPN/CNPHN series as well as for other sizes and special variants are available on request.

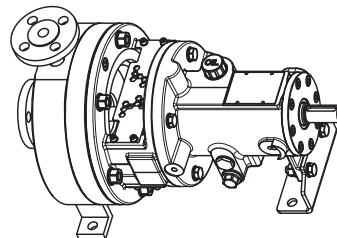
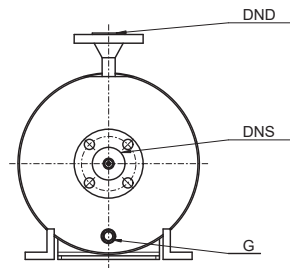
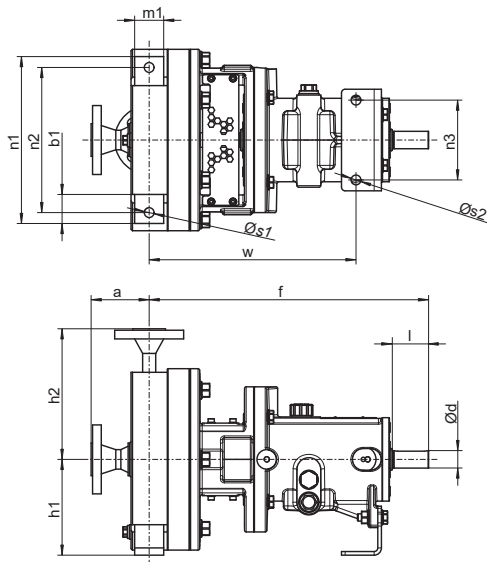


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Dimensional drawings

CNPL 15-15-XXX

Pump with free shaft end



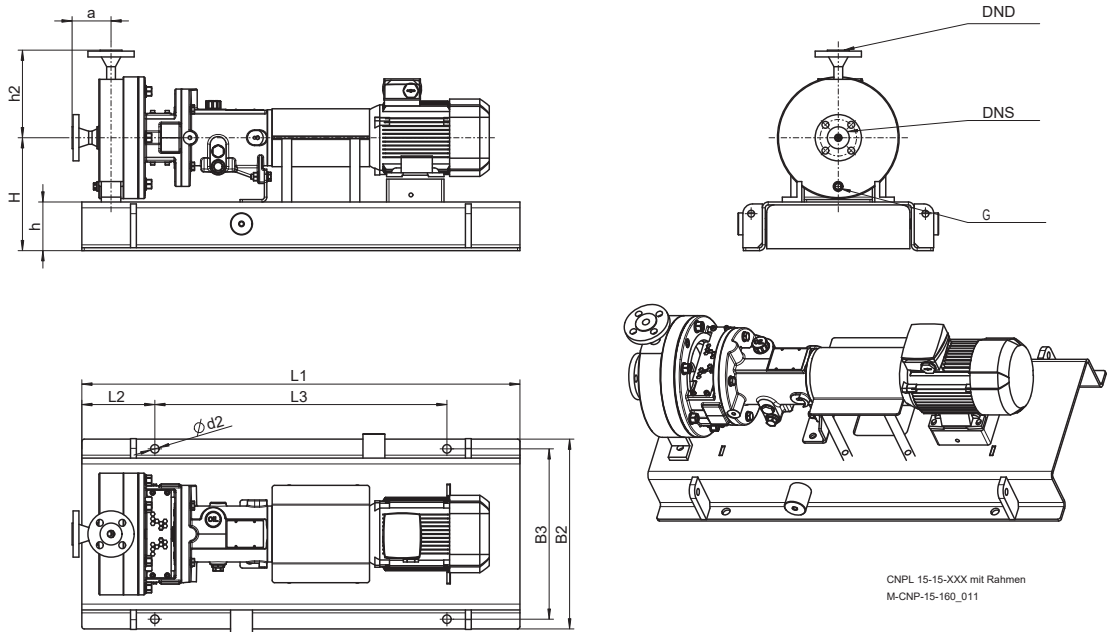
CNP 15-15-XXX
M-CNP-15-160_001

Type	DNS	DND	a	b1	Ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	Øs1	Øs2	w	Weight (kg)
15-15-125	15	15	80	40	24	385	1/4"	112	140	50	40	--	190	160	110	14	14	285	40
15-15-160			90	40	24	389		132	180				230	200				289	58
15-15-200			100	55	32	386	3/8"	160	200	80	100	60	280	230				286	69
15-15-250			100	50	32	518		180	225				120	95				388	112
15-15-315			125	65	32	505		200	250				50	--				375	147

Chemical standard pumps
Series CNP



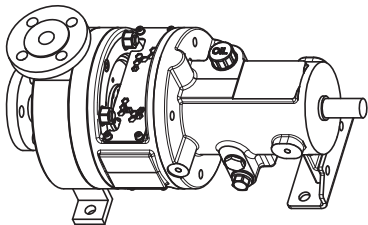
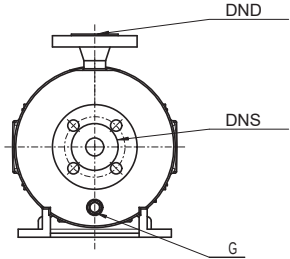
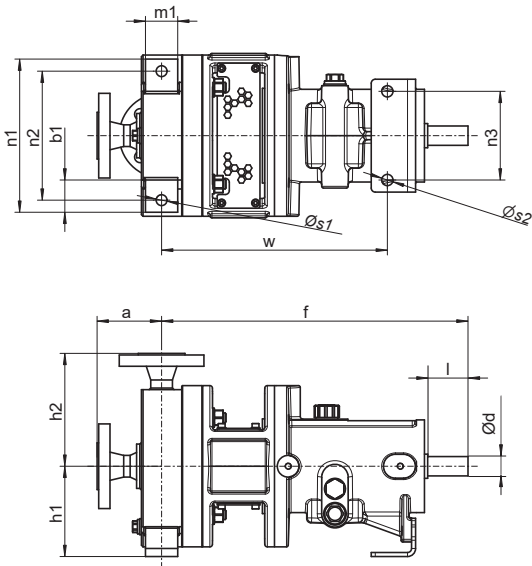
Pump with coupling, motor and base frame



Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
15-15-125	15	15	71M bis 132M	80	custom made			140	custom made		1/4"	custom made		
15-15-160				90				180						
15-15-200				100				200			3/8"			
15-15-250								225						
15-15-315				125				250						

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CNPL 20-20-XXX
Pump with free shaft end



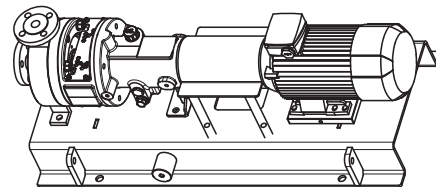
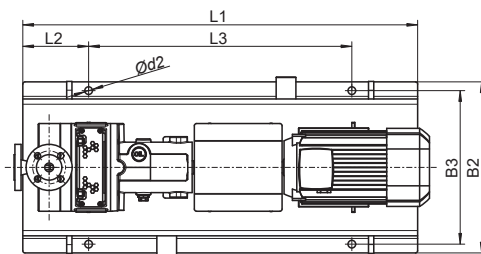
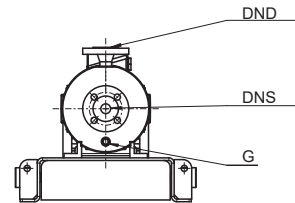
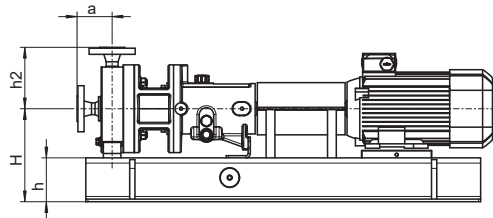
CNPL 20-20-XXX
M-CNP-20-125_001

Type	DNS	DND	a	b1	Ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	Øs1	Øs2	w	Weight (kg)
20-20-125	20	20	80	40	24	385	1/4"	112	140	50	40	--	190	160	110	14	14	289	40
20-20-160			90			389		132	180				230	200					58
20-20-200			100	55	32	386	3/8"	160	200	80	100	60	280	230				286	69
20-20-250			125	50		518		180	225		120	95		250				388	112
20-20-315				65		505		200	250		50	--		330	280			375	143

Chemical standard pumps
Series CNP



Pump with coupling, motor and base frame

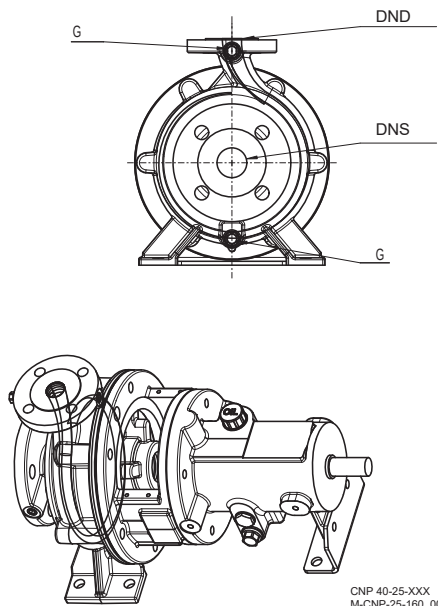
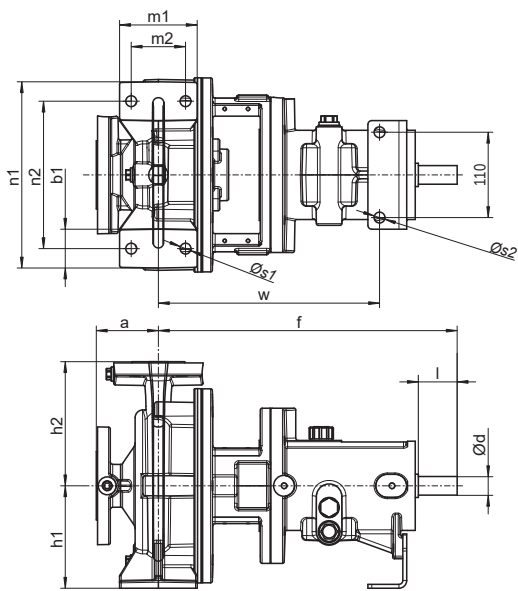


CNPL 20-20-XXX mit Rahmen
M-CNP-20-125_027

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3	
20-20-125	20	20	71M bis 132M	80	custom made			140	custom made		1/4"	custom made			
20-20-160				90				180							
20-20-200				100				200							
20-20-250				125				225			250				3/8"
20-20-315															

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CNPL 40-25-XXX
Pump with free shaft end



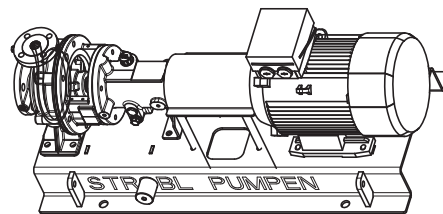
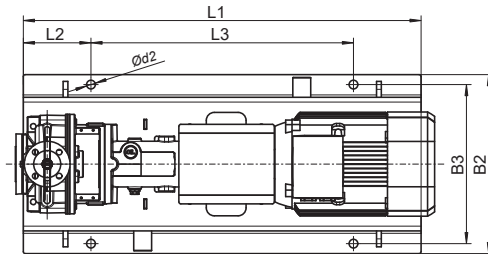
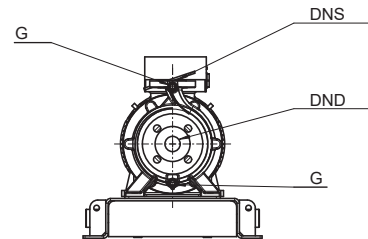
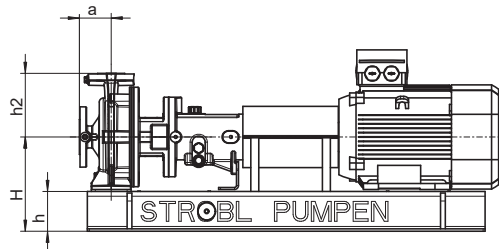
CNP 40-25-XXX
M-CNP-25-160_001

Type	DNS	DND	a	b1	ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	øs1	øs2	w	Weight (kg)
40-25-125	40	25	80	50	24	385	1/4"	112	140	50	100	70	190	140	140	14	14	285	40
40-25-160								132	160				240	190	110				48
40-25-200								160	180				320	280					55
40-25-250			100	65	32	500		180	225	80	125	95		370	106				

Chemical standard pumps
Series CNP



Pump with coupling, motor and base frame



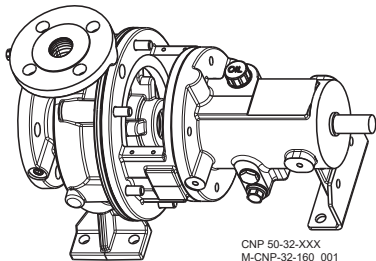
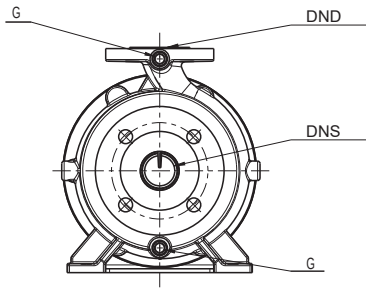
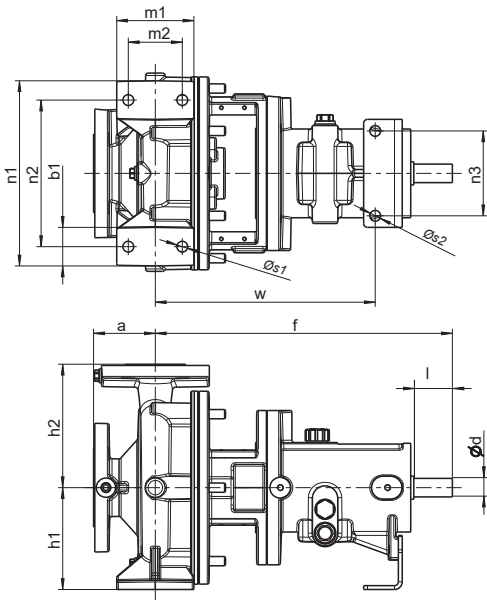
CNPL 40-25-XXX mit Rahmen
M-CNP-25-160_114

Dimensional
drawings

Type	DNS	DND	Motor size	a	B2	B3	Ød2	h2	h	H	G	L1	L2	L3			
40-25-125	40	25	71M bis 132M	80	custom made			140	custom made		1/4"	custom made					
40-25-160			71M bis 180L					160									
40-25-200								180									
40-25-250			80M bis 180L					100							225		

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CNPL 50-32-XXX
Pump with free shaft end

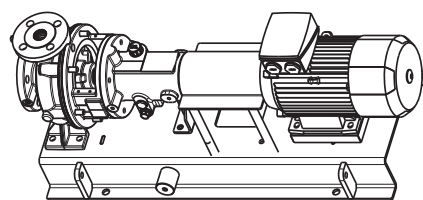
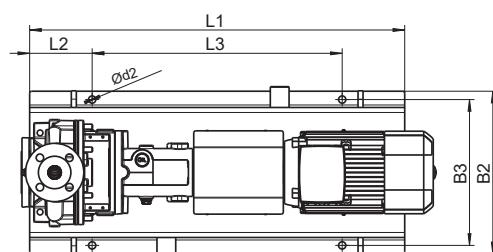
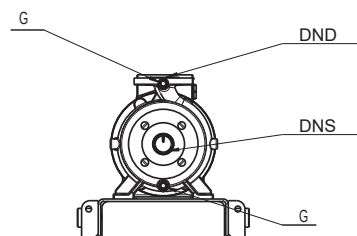
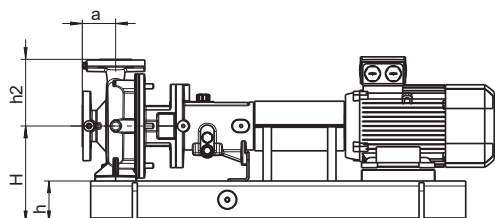


Type	DNS	DND	a	b1	ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	øs1	øs2	w	Weight (kg)
50-32-125	50	32	80	50	24	385	1/4"	112	140	50	100	70	190	140	110	14	14	285	42
50-32-160								132	160				240	190					51
50-32-200								160	180										59
50-32-250			100	65	32	500	3/8"	180	225	80	125	95	320	250				370	105

Chemical standard pumps Series CNP



Pump with coupling, motor and base frame



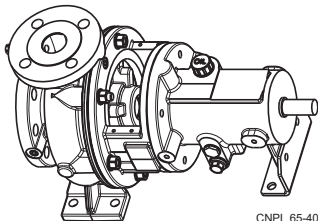
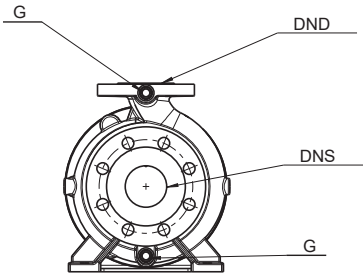
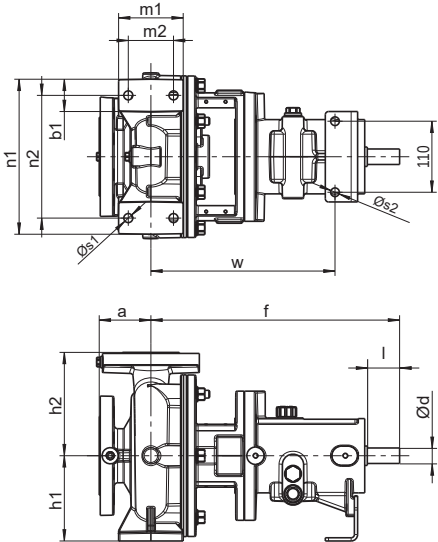
CNPL 50-32-XXX mit Rahmen
M-CNP-32-160_010

Dimensional
drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
50-32-125	50	32	71M bis 90S	80	360	320	17,5	140	100	240	1/4"	800	130	540
			90L bis 112M		390	350						900	150	600
			132S bis 132M		450	400						22	1000	170
71M bis 90S			360		320	17,5	160	260		800		130	540	
90L bis 112M			390		350					900		150	600	
132S bis 132M			450		400					22		1000	170	660
71M bis 90S			360		320	17,5	180	280	800	130		540		
90L bis 112M			390		350				900	150		600		
132S bis 132M			450		400				1000	170		660		
160M			490		440	22		225	325	1120	190	740		
80M bis 112M			450	400	100					200L	1000	170	660	
132 S bis 132M			490	440							1120	190	740	
160M bis 180L			540	490		120	345	1250	205		840			
50-32-250			200L	610	550	26	140	365	1400	230	940			

STROBL PUMPEN

CNPL 65-40-XXX
Pump with free shaft end

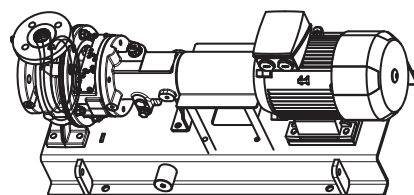
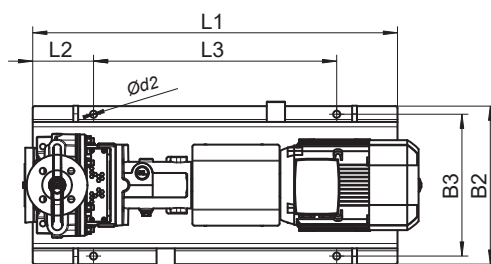
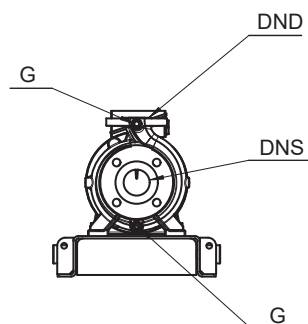
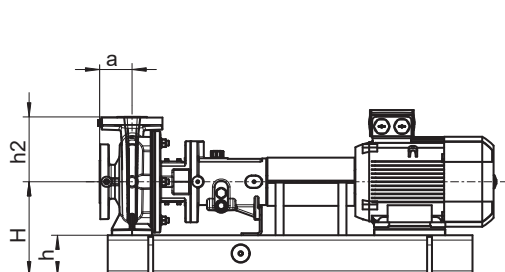


CNPL 65-40-XXX
M-CNP-40-160_001

Type	DNS	DND	a	b1	ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	øs1	øs2	w	Weight (kg)
65-40-125	65	40	80	50	24	385	1/4"	112	140	50	100	70	210	160	110	14	14	285	42
65-40-160								132	160				240	190					53
65-40-200								160	180				265	212					61
65-40-250			100	65	32	500	3/8"	180	225	80	125	95	320	250				370	109
65-40-315								200	250				345	280					132



Pump with coupling, motor and base frame

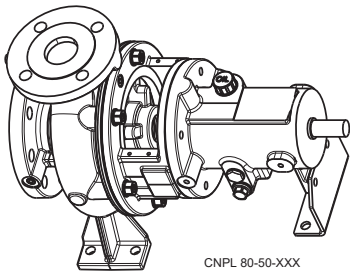
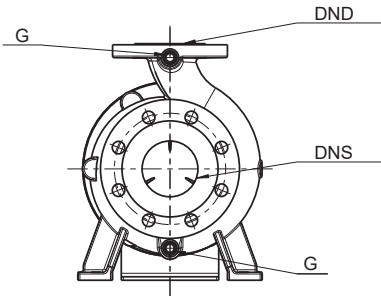
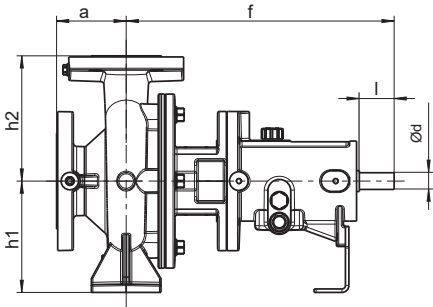
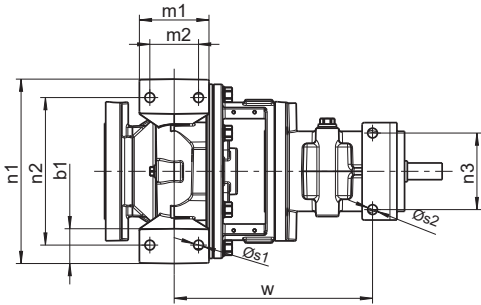


CNP 65-40-XXX mit Rahmen
M-CNP-40-160_010

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
65-40-125	65	40	71M bis 90S	80	360	320	17,5	140	100	240	1/4"	800	130	540
			90L bis 112M		390	350						900	150	600
			132S bis 132M		450	400						22	1000	170
65-40-160			71M bis 90S	360	320	17,5	160	260		800		130	540	
			90L bis 112M	390	350					900		150	600	
			132S bis 132M	450	400					22		1000	170	660
			160M bis 160L	490	440	1120				190		740		
65-40-200			80M bis 112M	100	390	350	17,5	180		280		900	150	600
			132S bis 132M		450	400	1000					170	660	
			160M bis 160L		490	440	1120				190	740		
65-40-250			80M bis 112M		100	450	400	22			225	325	1000	170
			132S bis 132M	490		440	1120			190			740	
			160M bis 180L	540		490	120			345			1250	205
			200L	610		550	26	140		365		3/8"	1400	230
65-40-315			80M bis 132M	125	490	440	22	250		100	350	1120	190	740
	160M bis 180L	540	490		120	370			1250	205	840			
	200L bis 225M	610	550		26	140			390	1400	230	940		

STROBL PUMPEN

CNPL 80-50-XXX
Pump with free shaft end



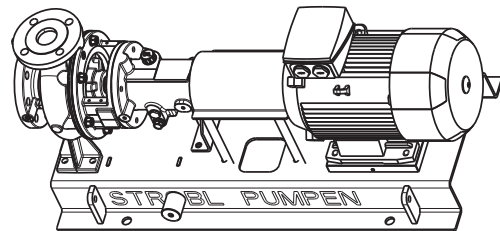
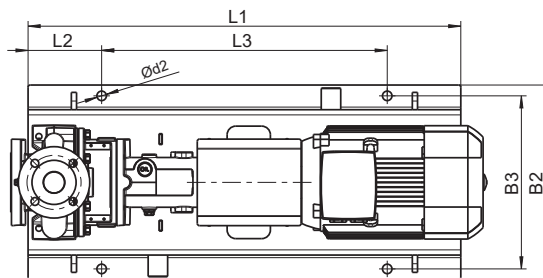
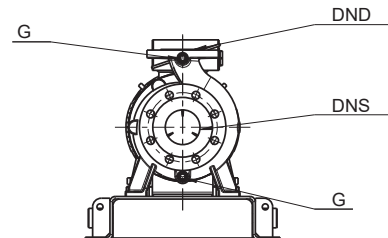
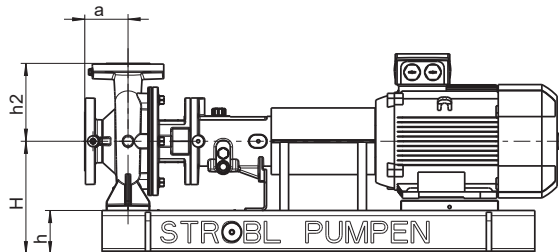
CNPL 80-50-XXX
M-CNP-50-160_001

Type	DNS	DND	a	b1	Ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	Øs1	Øs2	w	Weight (kg)
80-50-125	80	50	100	50	24	385	1/4"	132	160	50	100	70	240	190	110	14	14	285	47
80-50-160								160	180				265	212					57
80-50-200								160	200				265	212					64
80-50-250			125	65	32	500	3/8"	180	225	80	125	95	320	250				370	108
80-50-315								225	280				345	280					141
80-50-400								280	355				435	355					252

Chemical standard pumps
Series CNP



Pump with coupling, motor and base frame



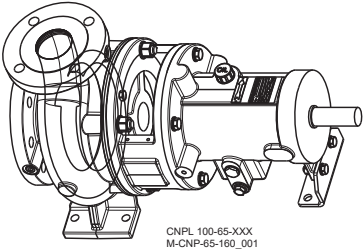
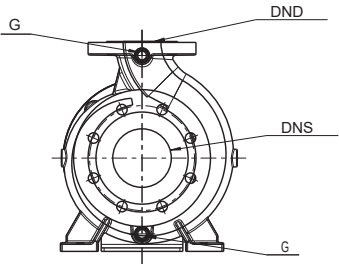
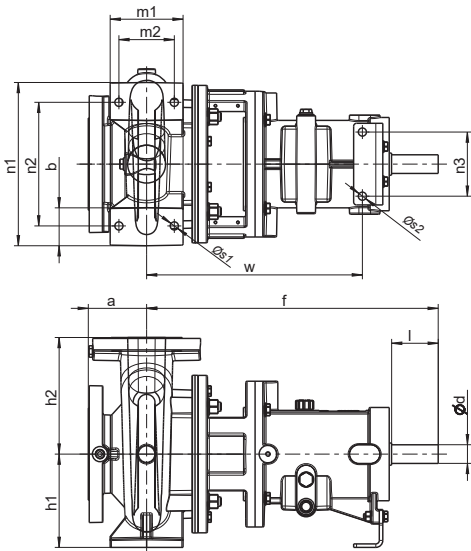
CNPL 80-50-XXX mit Rahmen
M-CNP-50-160_017

Dimensional
drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3	
80-50-125	80	50	71M bis 90S	100	360	320	17,5	160	100	260	1/4"	800	130	540	
			90L bis 112M		390	350						900	150	600	
			132S und 132M		450	400						22	1000	170	660
80-50-160			80M bis 112M	390	350	17,5	180	100	280	1/4"	900	150	600		
			132S und 132M	450	400						22	1000	170	660	
			160M bis 180M	490	440							1120	190	740	
80-50-200			80M bis 112M	390	350	17,5	200	100	300	1/4"	900	150	600		
			132S und 132M	450	400						1000	170	660		
			160M bis 180M	490	440						1120	190	740		
80-50-250			80M bis 112M	125	450	400	22	225	120	345	3/8"	1000	170	660	
			132S bis 132M		490	440						325	1120	190	740
			160M bis 180L		540	490						1250	205	840	
			200L bis 225M		610	550						26	1400	230	940
80-50-315			80M bis 132M	125	490	440	22	280	100	380	3/8"	1120	190	740	
			160M bis 180L		540	490			120	400		1250	205	840	
			200L bis 225M		610	550			26	140		420	1400	230	940
			250M		660	600			160	440		1600	270	1060	
			280S		730	670			150	430		1800	300	1200	
80-50-400			custom made												

STROBL PUMPEN

CNPL 100-65-XXX
Pump with free shaft end

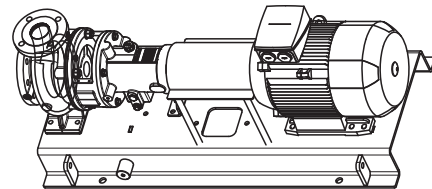
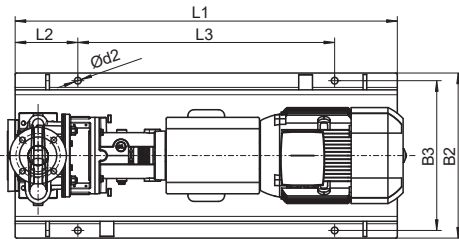
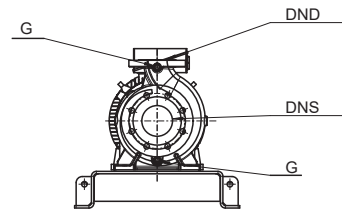
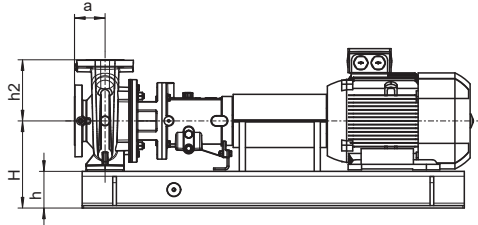


Type	DNS	DND	a	b1	Ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	Øs1	Øs2	w	Weight (kg)			
100-65-125	100	65	100	65	24	385	3/8"	160	180	50	125	95	280	212	110	14	14	370	285	61		
100-65-160					32	500		200	200	80			320	250					95			
100-65-200								180	225				360	280					108			
100-65-250			125	80	42	530		200	250	110	160	120	400	315		118						
100-65-315								225	280				435	355		168						
100-65-400								280	355							208						

Chemical standard pumps
Series CNP



Pump with coupling, motor and base frame



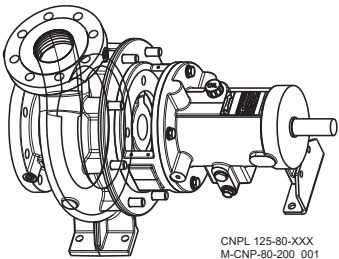
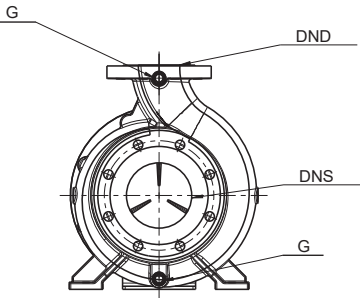
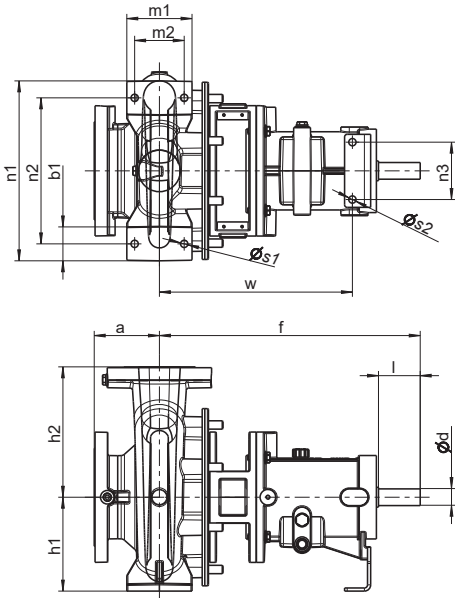
CNPL 100-65-XXX mit Rahmen
M-CNP-65-160_035

Dimensional
drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
100-65-125	100	65	80M bis 112M	100	390	350	17,5	180	100	280	3/8"	900	150	600
			132S bis 132M		450	400	22					1000	170	660
			160M		490	440						1120	190	740
80M			390		350	17,5	200	300		900		150	600	
90S bis 112M			450		400	22				1000		170	660	
132S bis 132M			490		440					1120		190	740	
160M bis 180L			540		490				1250	205		840		
200L			610		550	26	140	340	1400	230		940		
80M bis 90L			450		400	22	225	100	325	1000		170	660	
100L bis 132M			490	440	1120					190		740		
160M bis 180M			540	490	1250					205		840		
180L225M			610	550	26					140		365	1400	230
100-65-250			80M bis 132M	490	440	22	250	100	350	1120		190	740	
			160M bis 180M	540	490			120	370	1250		205	840	
			180L bis 225M	610	550	26		140	390	1400		230	940	
			250M	660	600			160	410	1600		270	1060	
			280S	730	670			150	400	1800		300	1200	
100-65-315			100L bis 160M	540	490	22	280	120	400	1250		205	840	
			160L bis 225S	610	550	26		140	420	1400		230	940	
			225M bis 250M	660	600			160	440	1600		270	1060	
			280S bis 280M	730	670			150	430	1800		300	1200	
100-65-400			custom made											

STROBL PUMPEN

CNPL 125-80-XXX
Pump with free shaft end

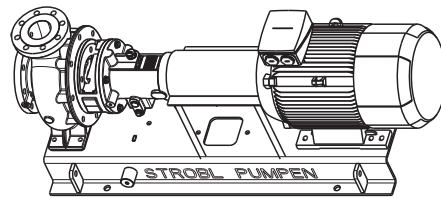
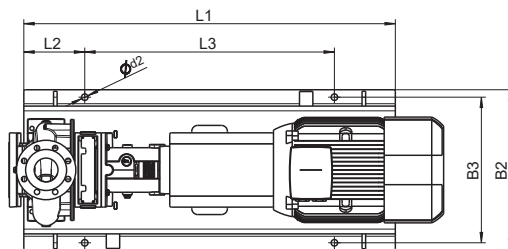
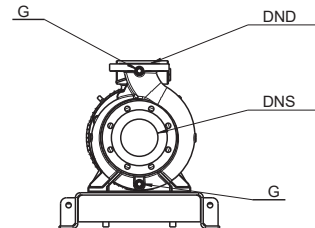
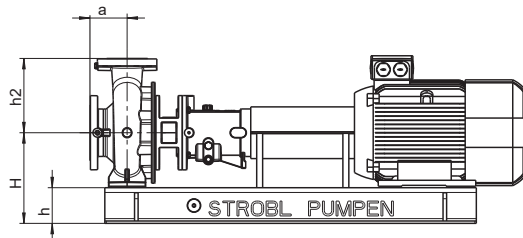


Type	DNS	DND	a	b1	ϕd	f	G	h1	h2	l	m1	m2	n1	n2	n3	$\phi s1$	$\phi s2$	w	Weight (kg)
125-80-160	125	80	125	65	32	500	3/8"	180	225	80	125	95	320	250	110	14	14	370	114
125-80-200								250	250				345	280					118
125-80-250								225	280				400	315					124
125-80-315			80	42	530			250	315	110	160	120	435	355	140	18	14	500	159
125-80-400								280	355				500	440					217
125-80-500								340	380										404

Chemical standard pumps Series CNP



Pump with coupling, motor and base frame



CNPL 125-80-XXX
M-CNP-80-200_013

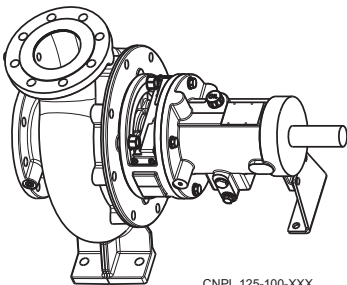
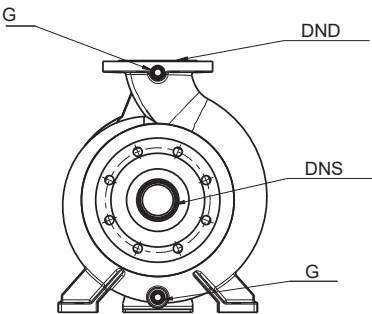
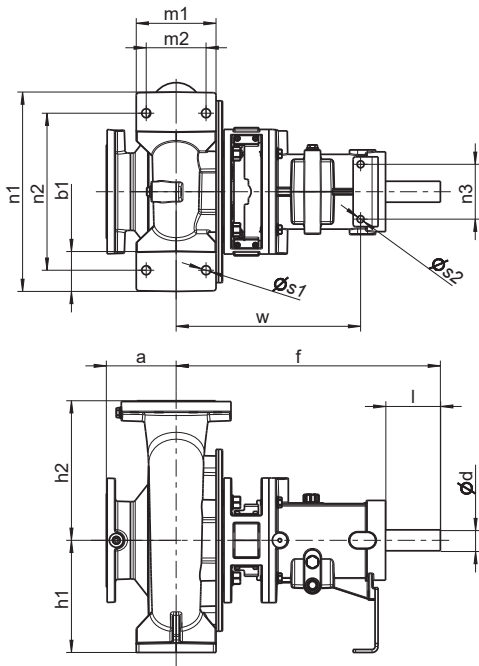
Dimensional
drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
125-80-160	125	80	80M bis 90L	125	450	400	22	225	100	325	3/8"	1000	170	660
			100L bis 132M		490	440			120	325		1120	190	740
			160M bis 180M		540	490			140	345		1250	205	840
			108L bis 200L		610	550	26		140	365		1400	230	940
125-80-200			80M bis 132M		490	440	22	250	100	350		1120	190	740
			160M bis 180M		540	490			120	370		1250	205	840
			180L bis 225M		610	550			26	140		390	1400	230
			250M		660	600	160		410	1600		270	1060	
125-80-250			80M bis 180M		540	490	22	280	120	400		1250	205	840
			180L bis 225M		610	550	26		140	420		1400	230	940
			250M		660	600	160		440	1600		270	1060	
			280S bis 280M		730	670	150		430	1800		300	1200	
125-80-315			100L bis 180M		540	490	22	315	120	435		1250	205	840
			180L bis 225S		610	550	26		140	455		1400	230	940
			225M bis 250M		660	600	160		475	1600		270	1060	
			280S bis 280M		730	670	150		465	1800		300	1200	
125-80-400	100L bis 225S	610	550	26	355	140	495	1400	230	940				
	225M bis 250M	660	600			160	515	1600	270	1060				
125-80-500			custom made											

STROBL PUMPEN

CNPL 125-100-XXX
Pump with free shaft end

Dimensional
drawings



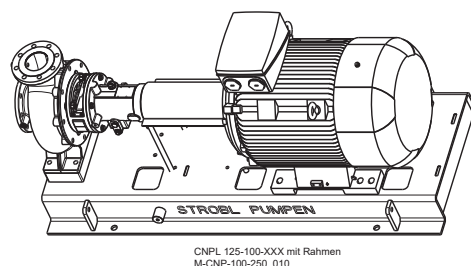
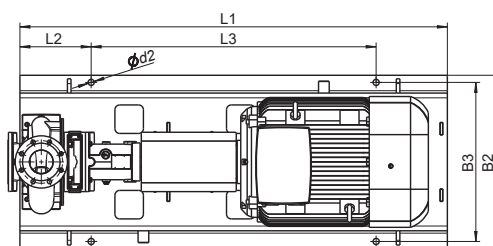
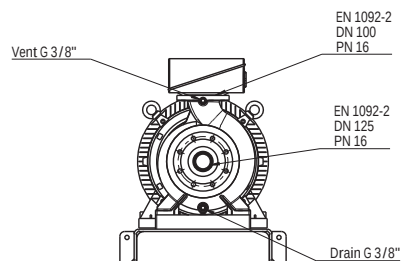
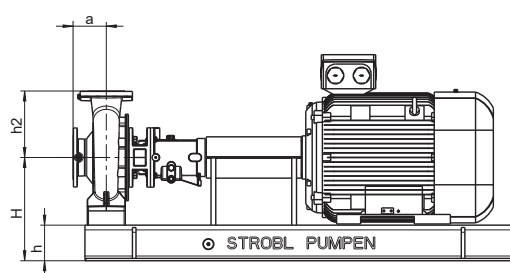
CNPL 125-100-XXX
M-CNP-100-250_001

Type	DNS	DND	a	b1	ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	ø s1	ø s2	w	Weight (kg)	
125-100-200	125	100	125	80	32	500	3/8"	200	280	80	160	120	360	280	110	18	14	370	133	
125-100-250			140		42	530		225	250				315	400					315	152
125-100-315								280					355	500					400	219
125-100-400			160	100	48	670	1/2"		350	400	200	150	500	400	140	22	18	500	408	
125-100-500																				

Chemical standard pumps Series CNP



Pump with coupling, motor and base frame



CNPL 125-100-300X mit Rahmen
M-CNP-100-250_010

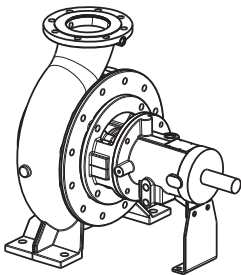
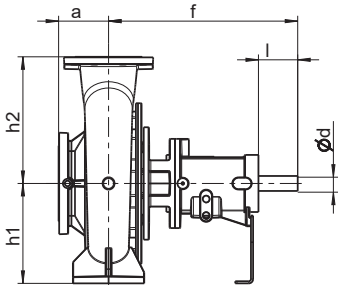
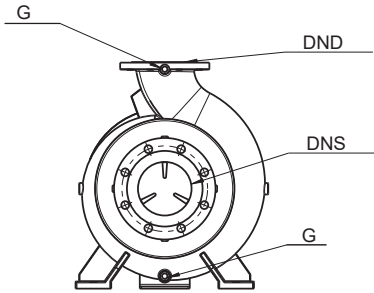
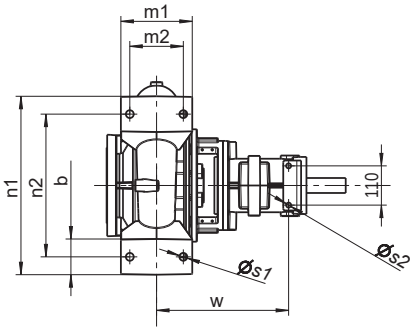
Dimensional
drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
125-100-200	125	100	80M bis 132M	125	490	440	22	280	100	380	3/8"	1120	190	740
			160M bis 180M		540	490			120	400		1250	205	840
			180L bis 225M		610	550			140	420		1400	230	940
			250M		660	600	26		160	440		1600	270	1060
			280S		730	670			150	430		1800	300	1200
100L bis 160M			540	490	22	120	400	1250	205	840				
160L bis 225S			610	550	26	140	420	1400	230	940				
225M bis 250M			660	600		160	440	1600	270	1060				
280S bis 280M			730	670		150	430	1800	300	1200				
132S bis 160M			540	490	22	315	120	435	1250	205		840		
160L bis 225S			610	550	26		140	455	1400	230		940		
225M bis 250M			660	600			160	475	1600	270		1060		
280S bis 280M			730	670			150	465	1800	300		1200		
125-100-315			160M bis 250M	660	600	355	160	515	1600	270		1060		
			280S bis 280M	730	670		150	505	1800	300		1200		
	125-100-400	160M bis 250M	660	600	355	160	515	1600	270	1060				
280S bis 280M	730	670	150	505		1800	300	1200						
125-100-500	custom made													

STROBL PUMPEN

CNPL 150-125-XXX
 Pump with free shaft end

Dimensional
 drawings



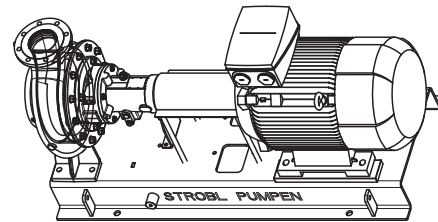
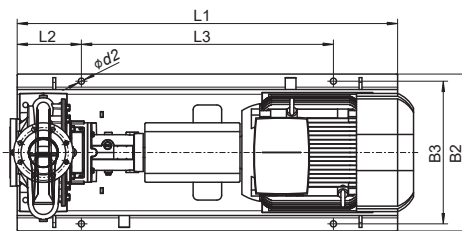
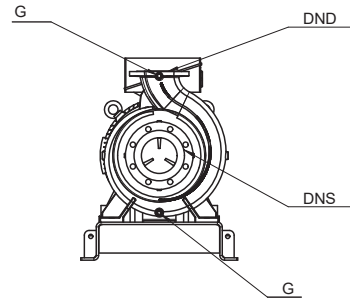
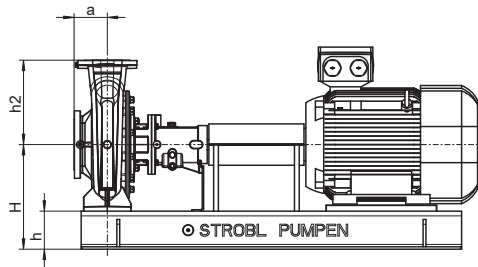
CNPL 150-125-XXX
 M-CNP-125-315_001

Type	DNS	DND	a	b1	ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	ø s1	ø s2	w	Weight (kg)	
150-125-250	150	125	140	80	42	530	3/8"	250	355	110	160	120	400	315	110	18	14	370	159	
150-125-315				100				280			400	200	150	500		400			22	206
150-125-400								315												450
150-125-500			160	48	670	1/2"	380	430			18	500	433							

Chemical standard pumps
Series CNP



Pump with coupling, motor and base frame



CNPL 150-125-XXX mit Rahmen
M-CNP-125-315_029

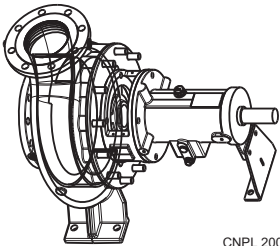
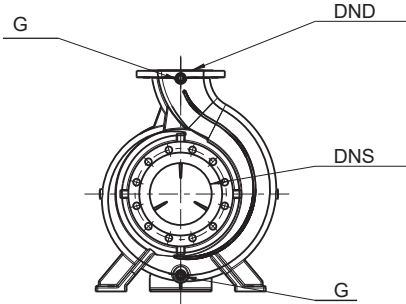
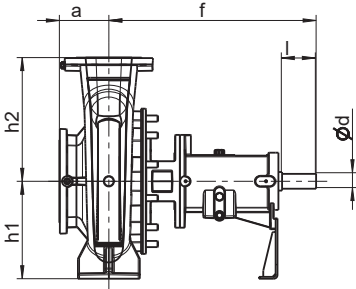
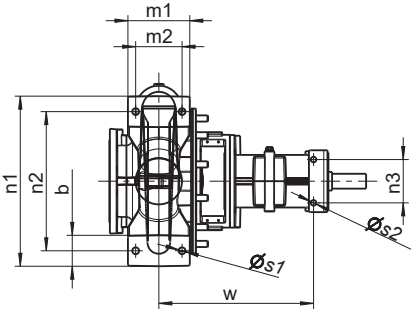
Dimensional
drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
150-125-250	150	125	132S bis 160M	140	540	490	22	355	120	475	3/8"	1250	205	840
			160L bis 225S		610	550	26		140	495		1400	230	940
			225M							515				
150-125-315			132M bis 250M		660	600	400	160	515	1600		270	1060	
150-125-400			180M bis 250M					560						
280S			730		670	150		550	1800					300
150-125-500			custom made											

STROBL PUMPEN

CNPL 200-150-XXX
Pump with free shaft end

Dimensional
drawings



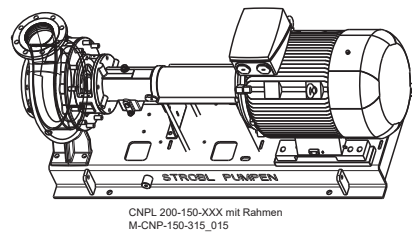
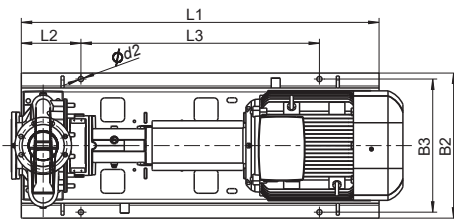
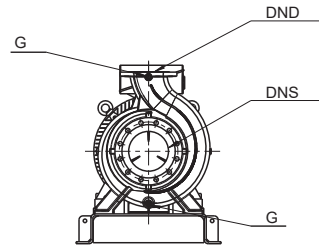
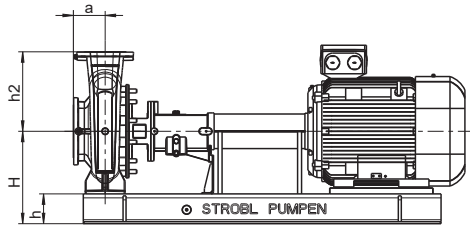
CNPL 200-150-XXX
M-CNP-150-315_001

Type	DNS	DND	a	b1	ød	f	G	h1	h2	l	m1	m2	n1	n2	n3	ø s1	ø s2	w	Weight (kg)			
200-150-250	200	150	160	100	42	530	1/2"	280	375	110	200	150	500	400	140	22	14	370	192			
200-150-315					48	670		315	400				550	450					18	500	282	
200-150-400								315	450				550	450							347	
200-150-500			180					375	500				550	450							482	

Chemical standard pumps
Series CNP



Pump with coupling, motor and base frame



CNPL 200-150-XXX mit Rahmen
M-CNP-150-315_015

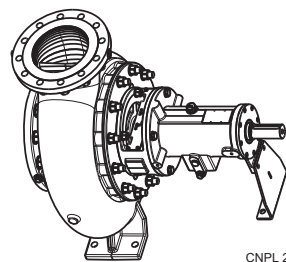
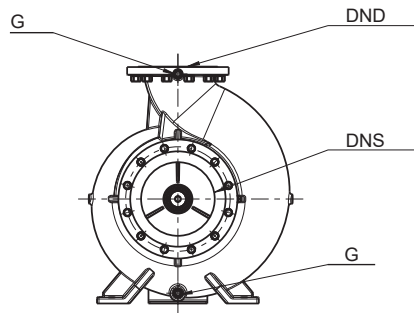
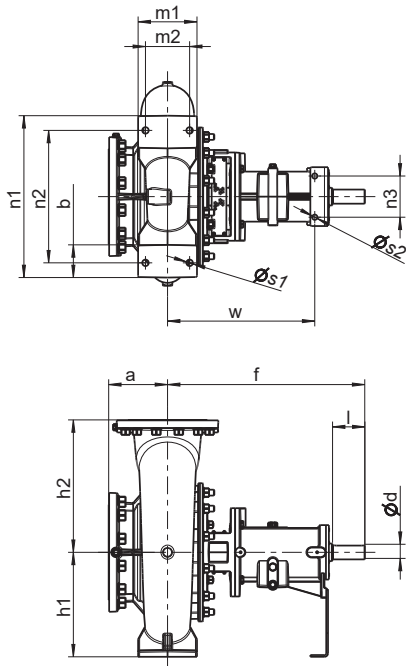
Dimensional
drawings

Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
200-150-250	200	150	132M bis 250M	160	660	600	26	375	160	535	1/2"	1600	270	1060
			280S							525				
200-150-315			180M bis 280S		730	670		400	150	550		1800	300	1200
200-150-400			225S bis 280M					450		600				
200-150-500			custom made											

STROBL PUMPEN

CNPL 250-200-XXX
 Pump with free shaft end

Dimensional
 drawings



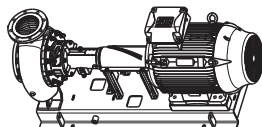
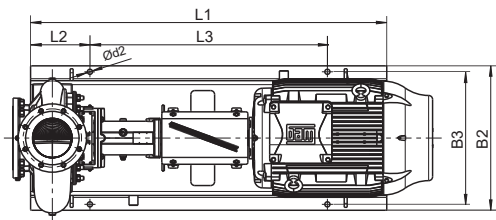
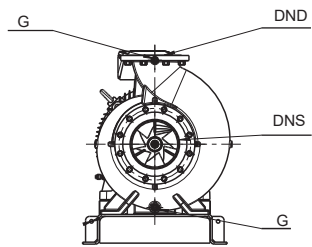
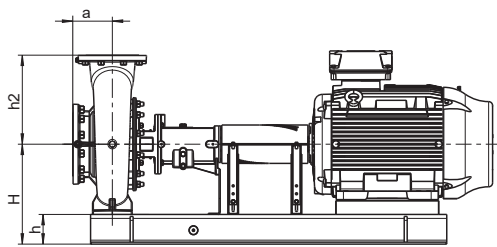
CNPL 250-200-XXX
 M-CNP-200-315_001

Type	DNS	DND	a	b1	ϕd	f	G	h1	h2	l	m1	m2	n1	n2	n3	$\phi s1$	$\phi s2$	w	Weight (kg)
250-200-315	250	150	200	110	48	670	1/2"	355	450	110	200	150	550	450	140	22	18	500	344
250-200-400			180	100				500	500				660	560					404
250-200-500			200					425	560										570



Chemical standard pumps
Series CNP

Pump with coupling, motor and base frame



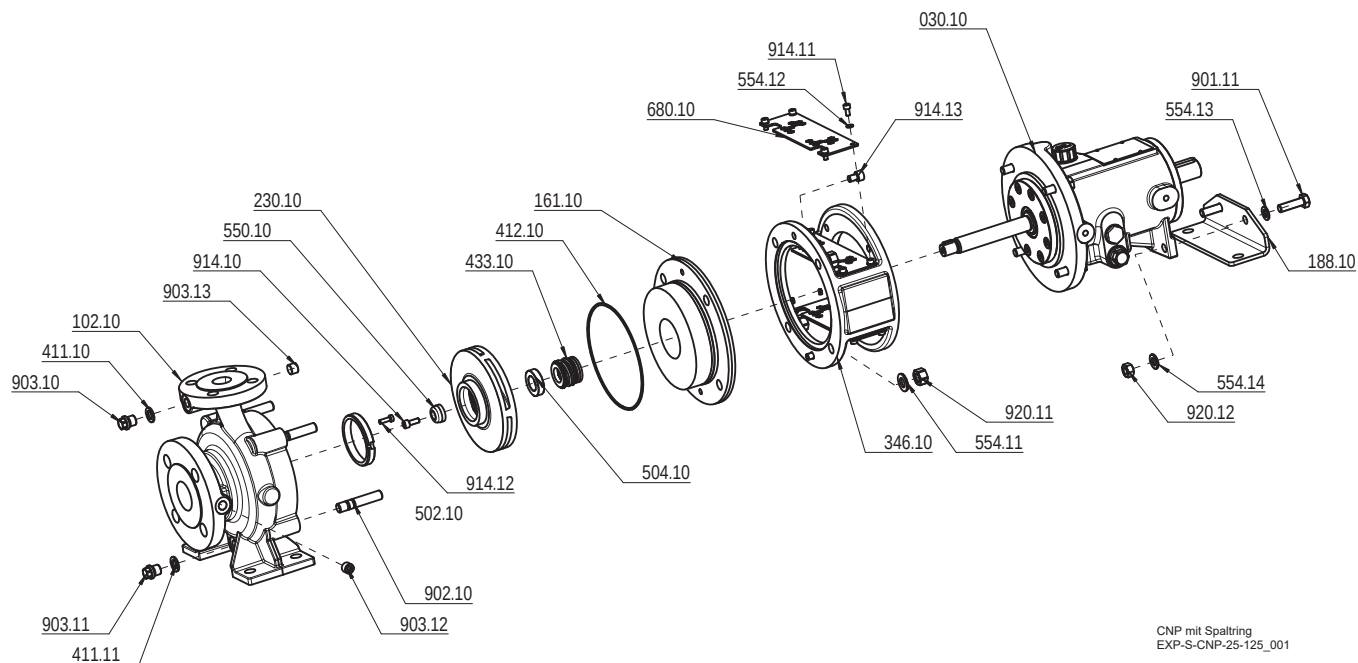
CNPL 250-200-XXX mit Rahmen
M-CNP-200-315_010

Dimensional
drawings

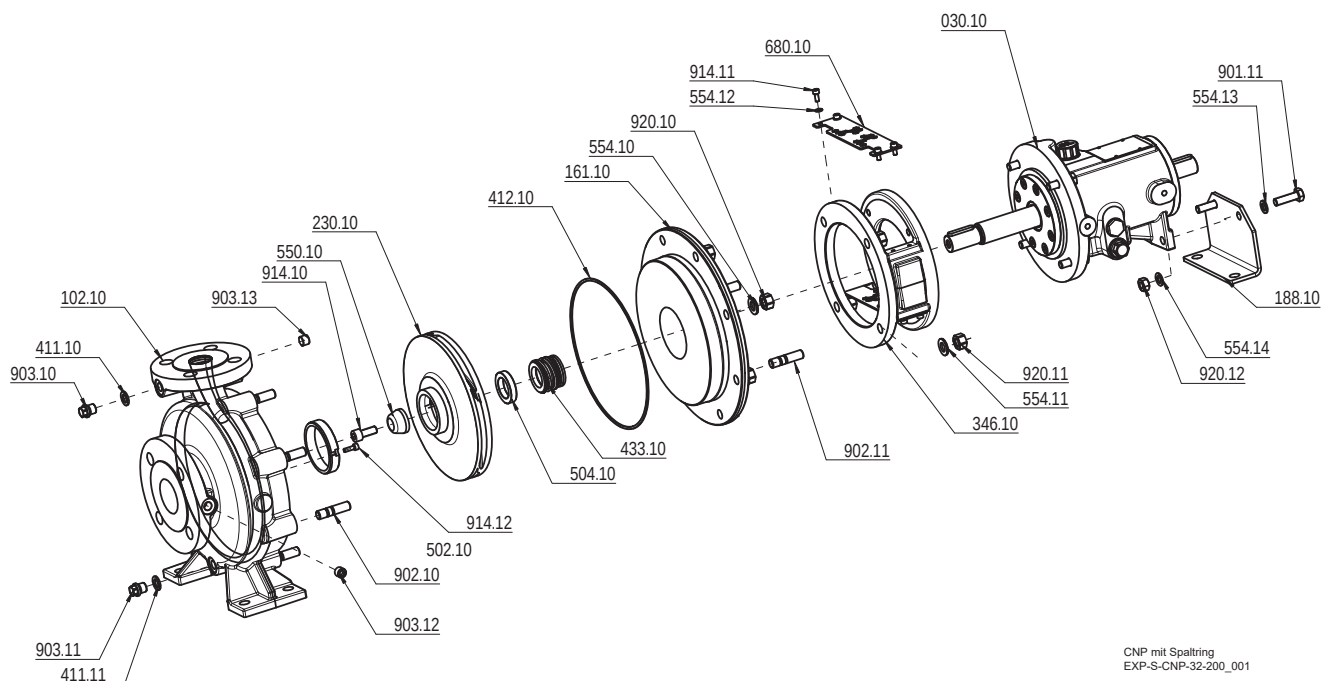
Type	DNS	DND	Motor size	a	B2	B3	ød2	h2	h	H	G	L1	L2	L3
250-200-315	250	150	custom made											
250-200-400														
250-200-500														

Exploded views

CNPL with mechanical seal and wear ring (same bolt circle)



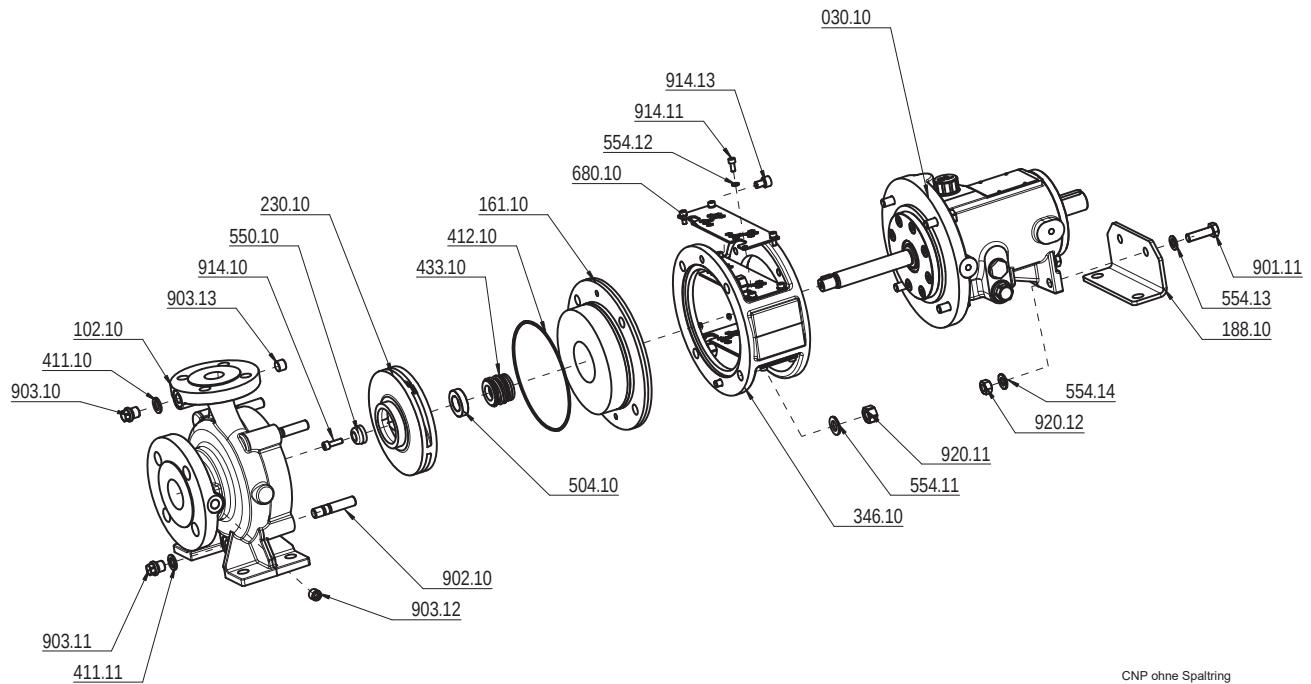
CNPL with mechanical seal and wear ring (separate bolt circle)



Chemical standard pumps Series CNP

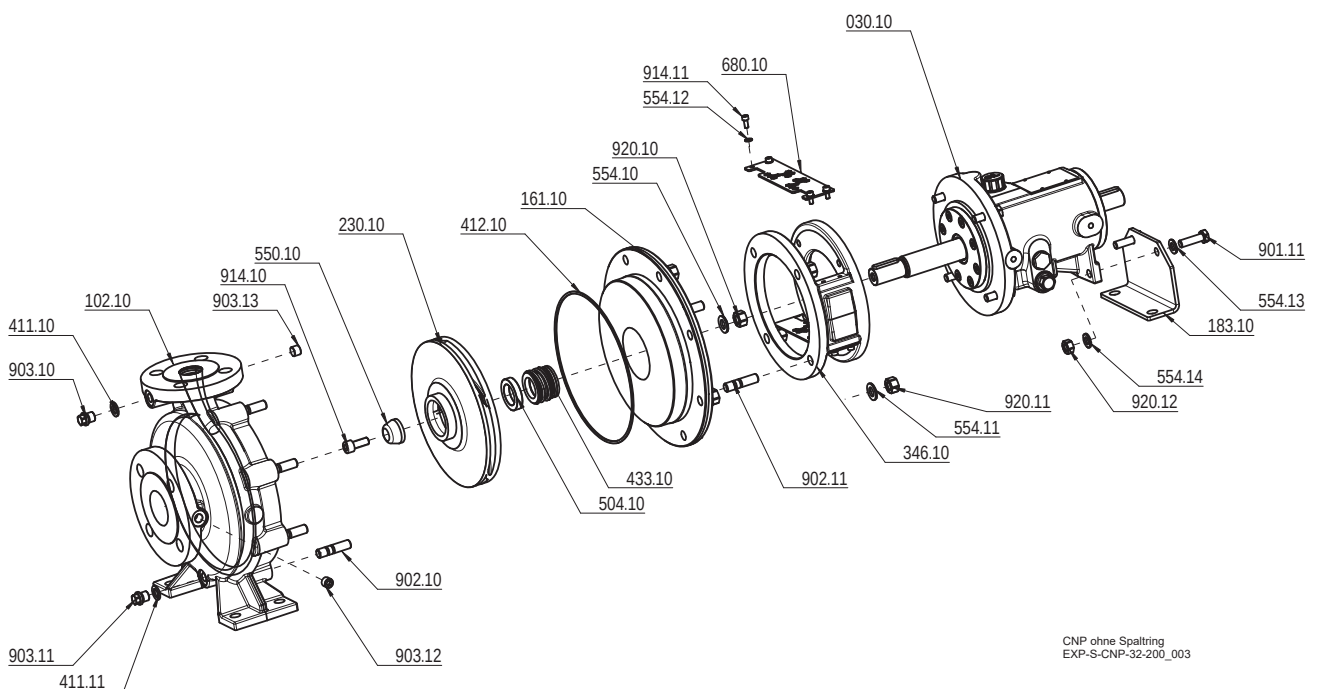


CNPL with mechanical seal, without wear ring (same bolt circle)



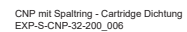
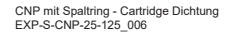
CNP ohne Spaltring
EXP-S-CNP-25-125_003

CNPL with mechanical seal, without wear ring (separate bolt circle)



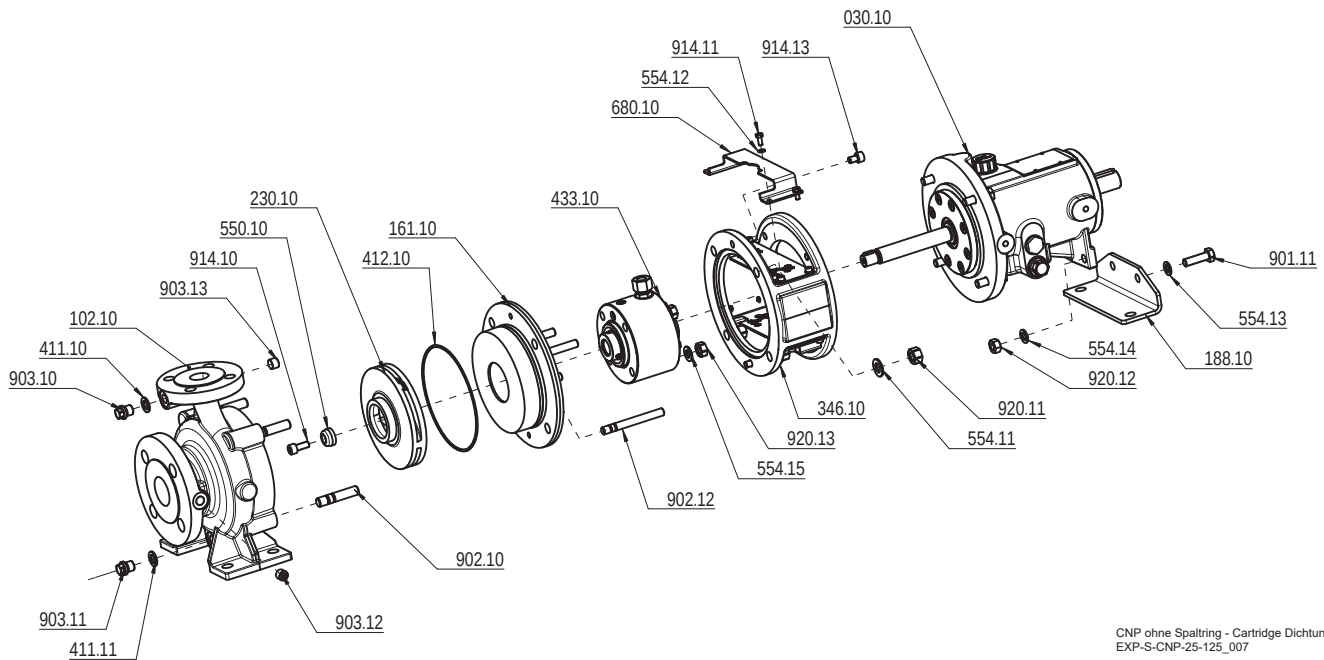
CNP ohne Spaltring
EXP-S-CNP-32-200_003

CNPL with mechanical seal and wear ring (separate bolt circle)

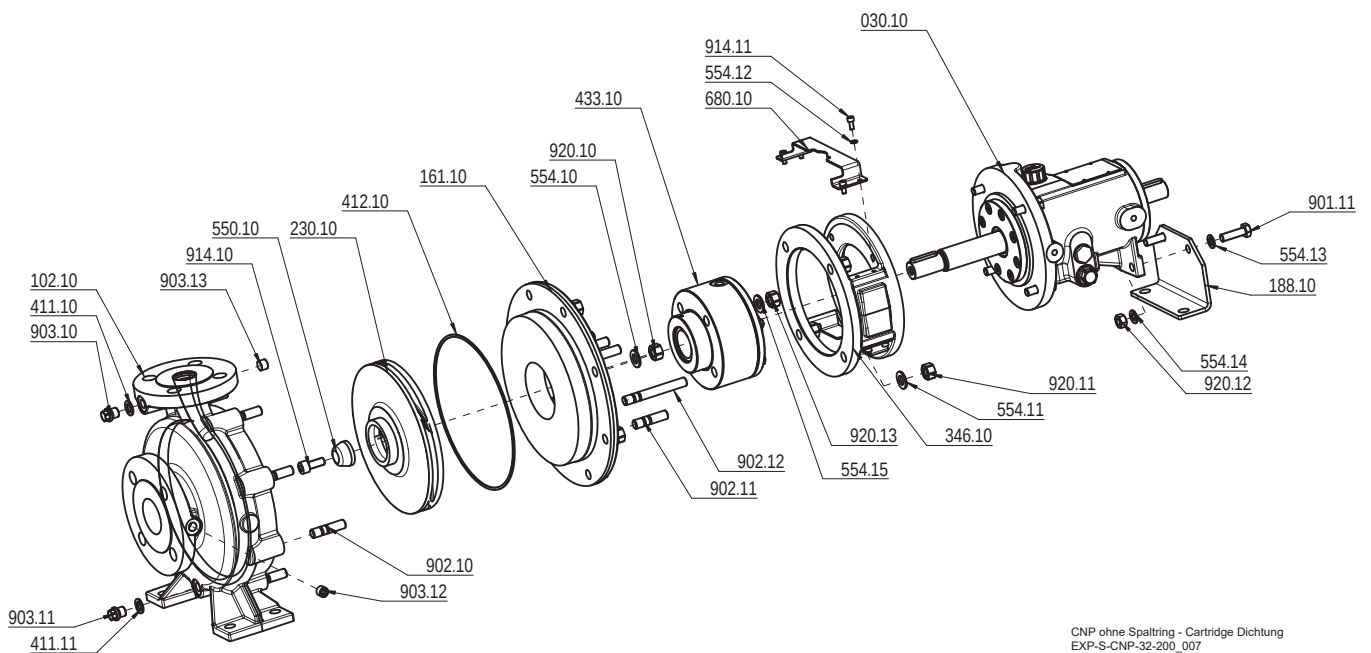




CNPL with mechanical seal, without wear ring (same bolt circle)

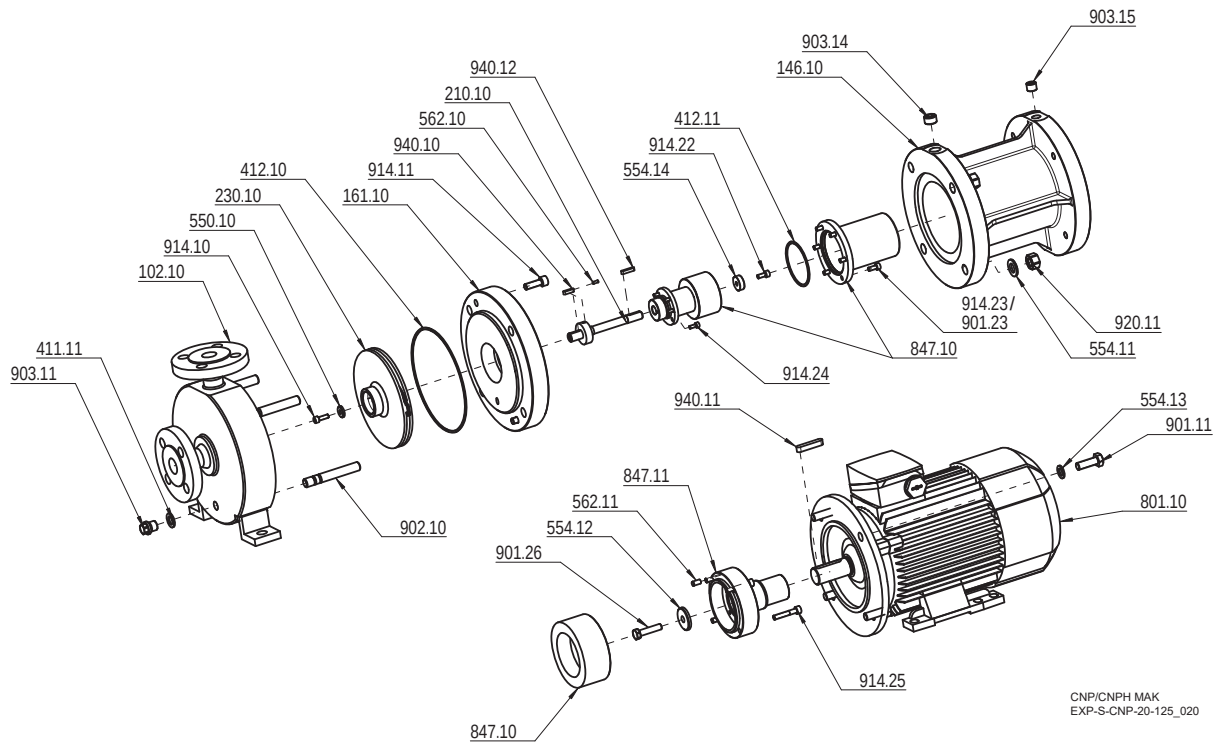


CNPL with mechanical seal, without wear ring (separate bolt circle)

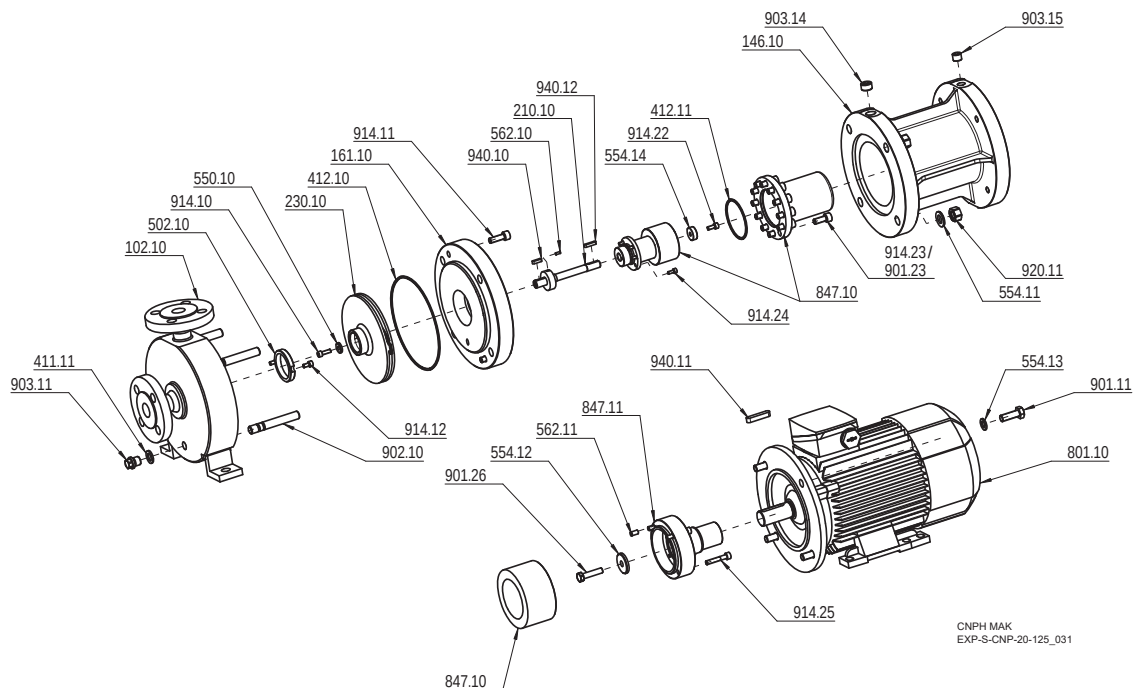


STROBL PUMPEN

CNPN with magnetic coupling (Type size 15-15-125/20-20-125)



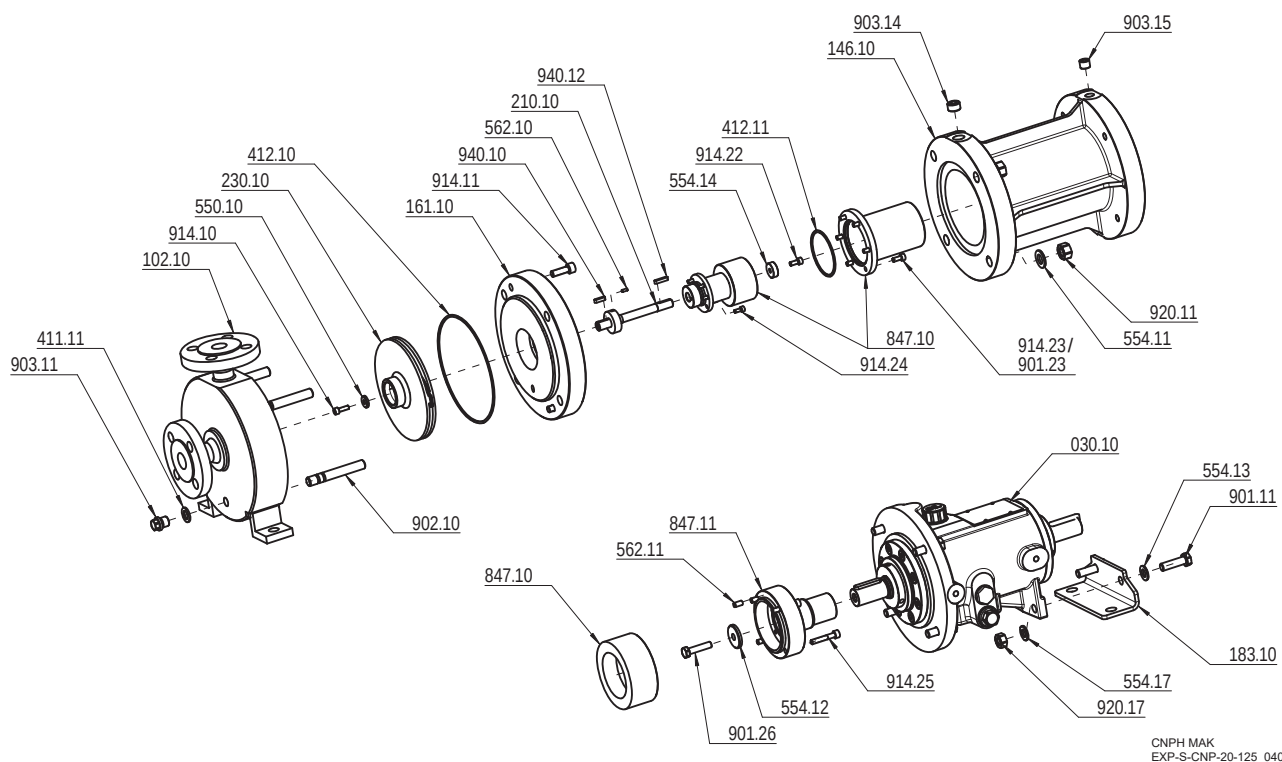
CNPN with magnetic coupling and wear ring (Type size 15-15-125/20-20-125)



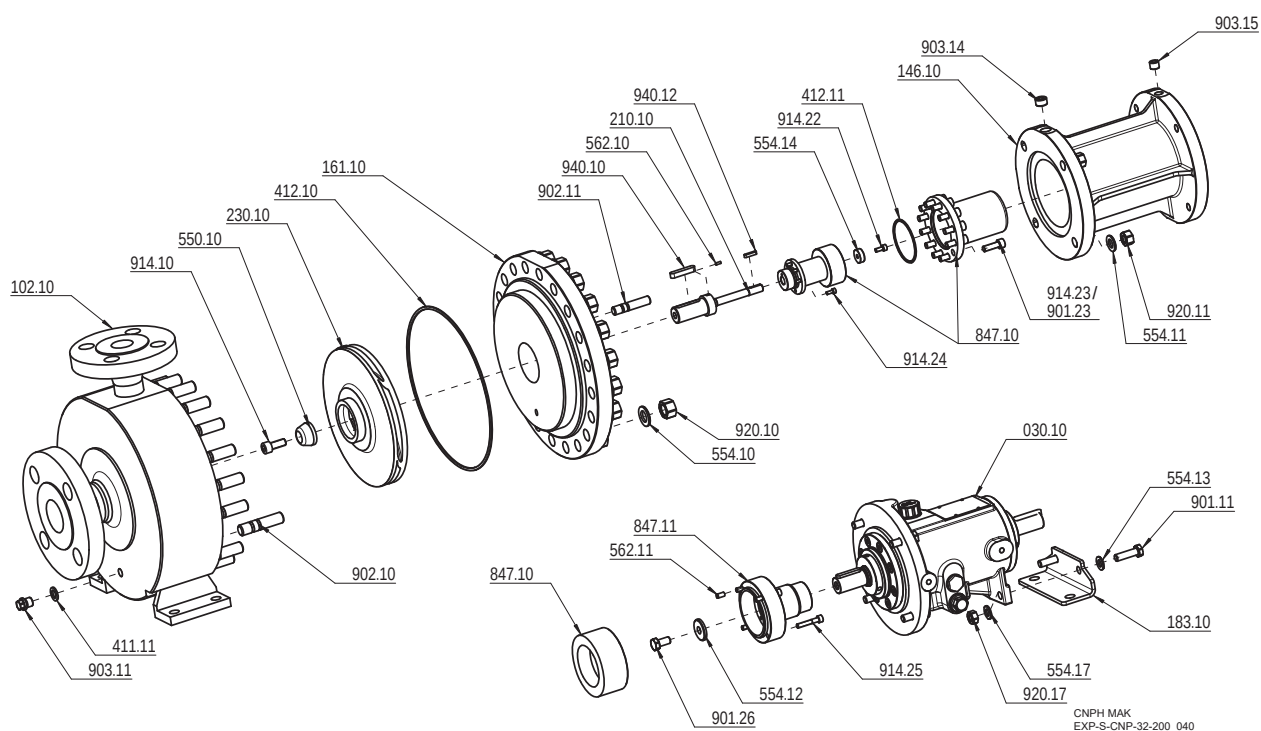
Chemical standard pumps Series CNP



CNPL with magnetic coupling



CNPHL with magnetic coupling



Exploded
views

CNPN with magnetic coupling and wear ring



CNPN with magnetic coupling and gas seal

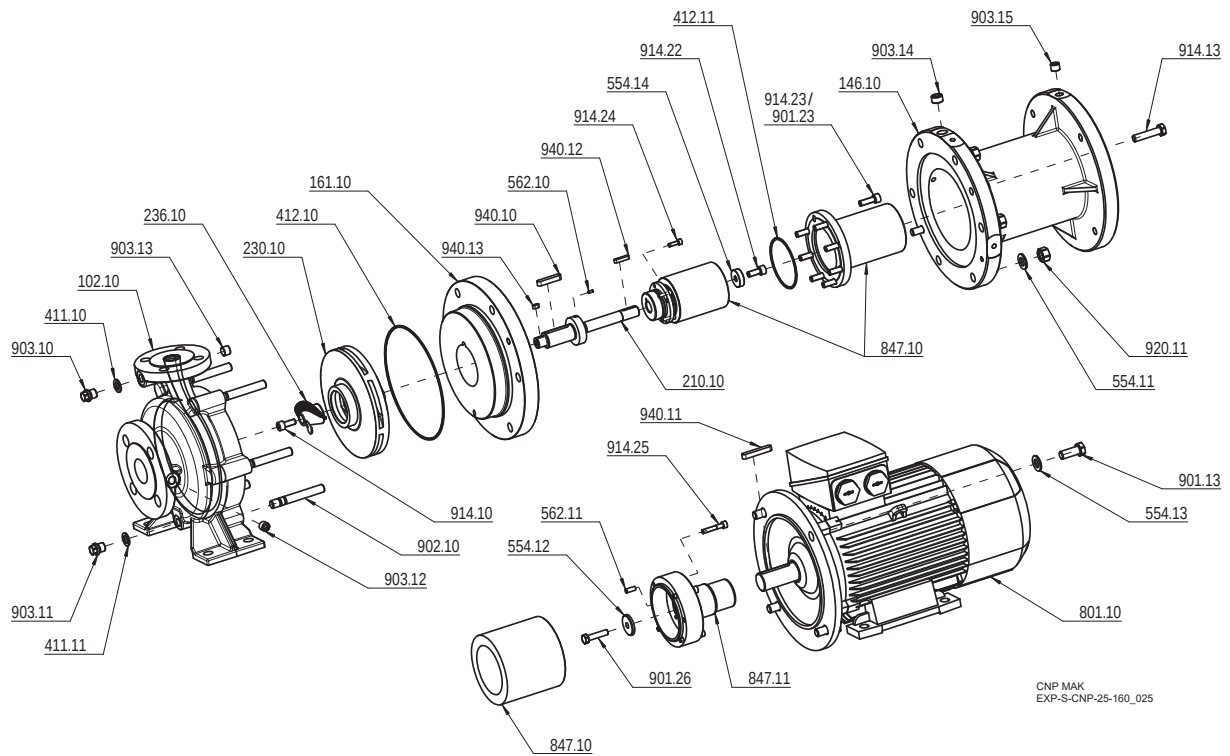


CNPN with magnetic coupling, gas seal and wear ring

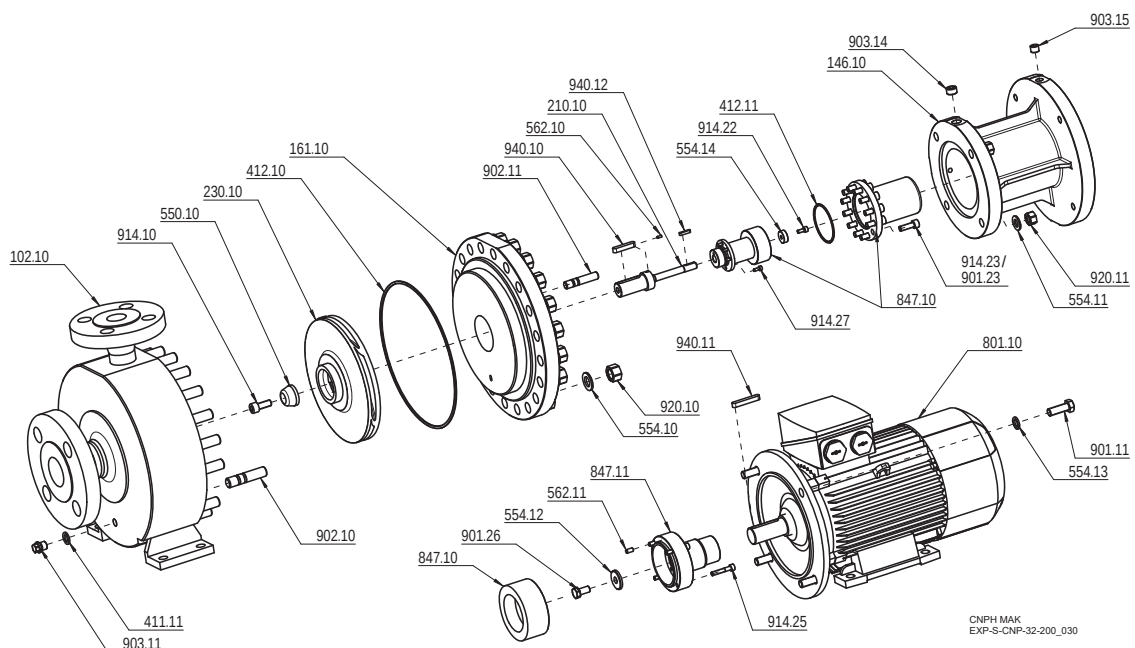


STROBL PUMPEN

CNPN with magnetic coupling and inducer



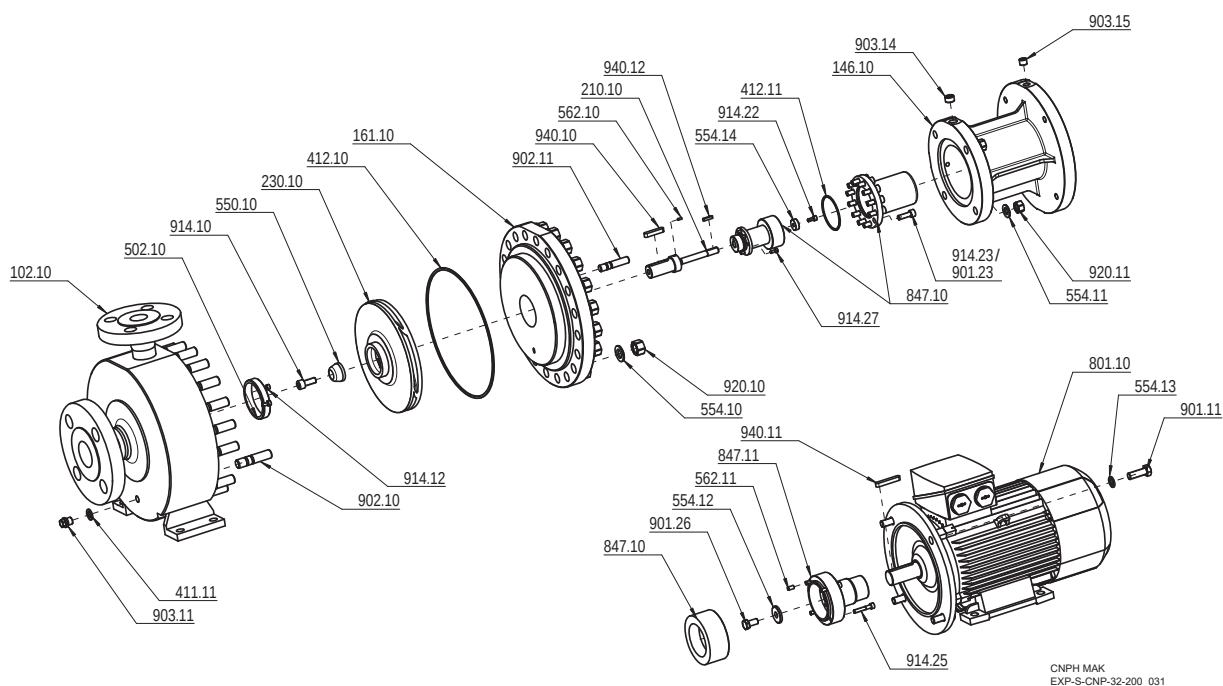
CNPHN with magnetic coupling



Chemical standard pumps Series CNP



CNPHN with magnetic coupling and wear ring



Exploded
views



1) with magnetic coupling and wear ring



CNPL with magnetic coupling and gas seal



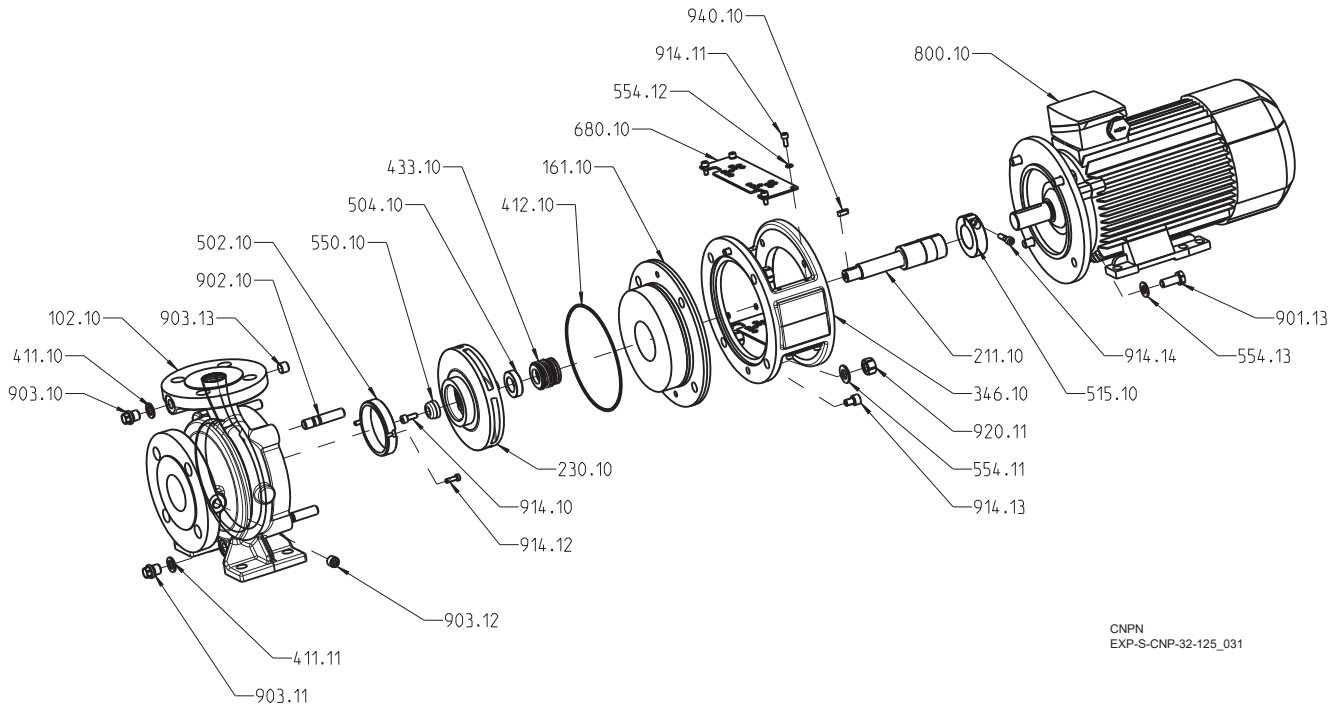
Exploded views

CNPL with magnetic coupling, gas seal and wear ring

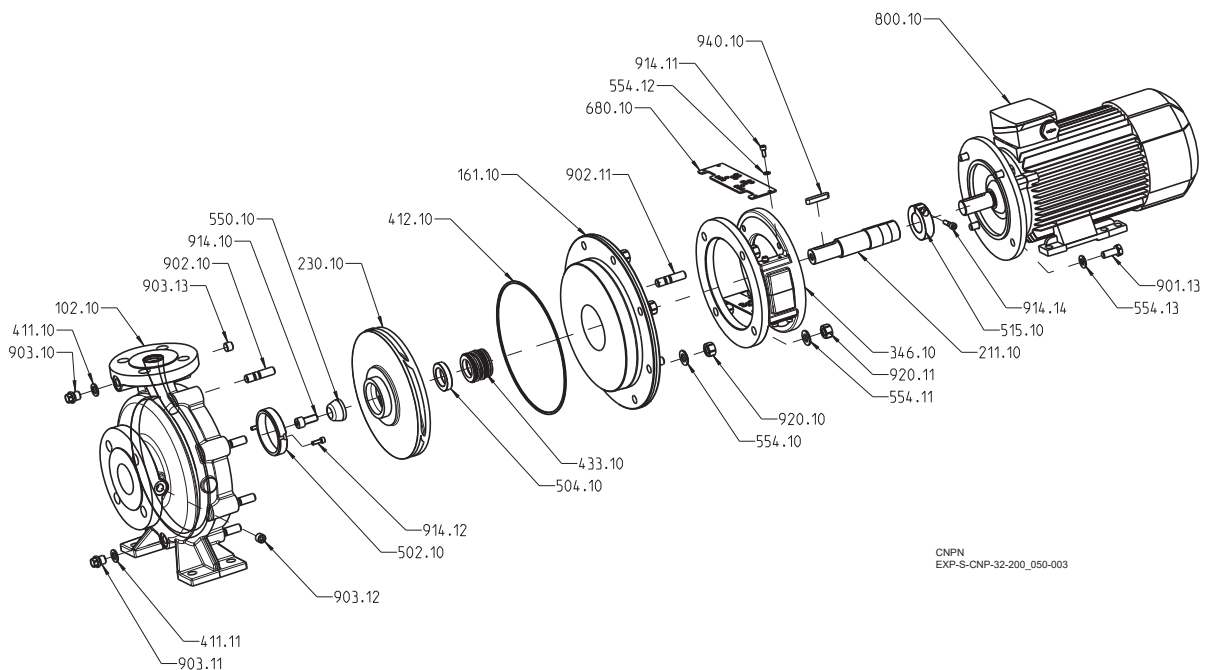


STROBL PUMPEN

CNPN with mechanical seal and wear ring (same bolt circle)



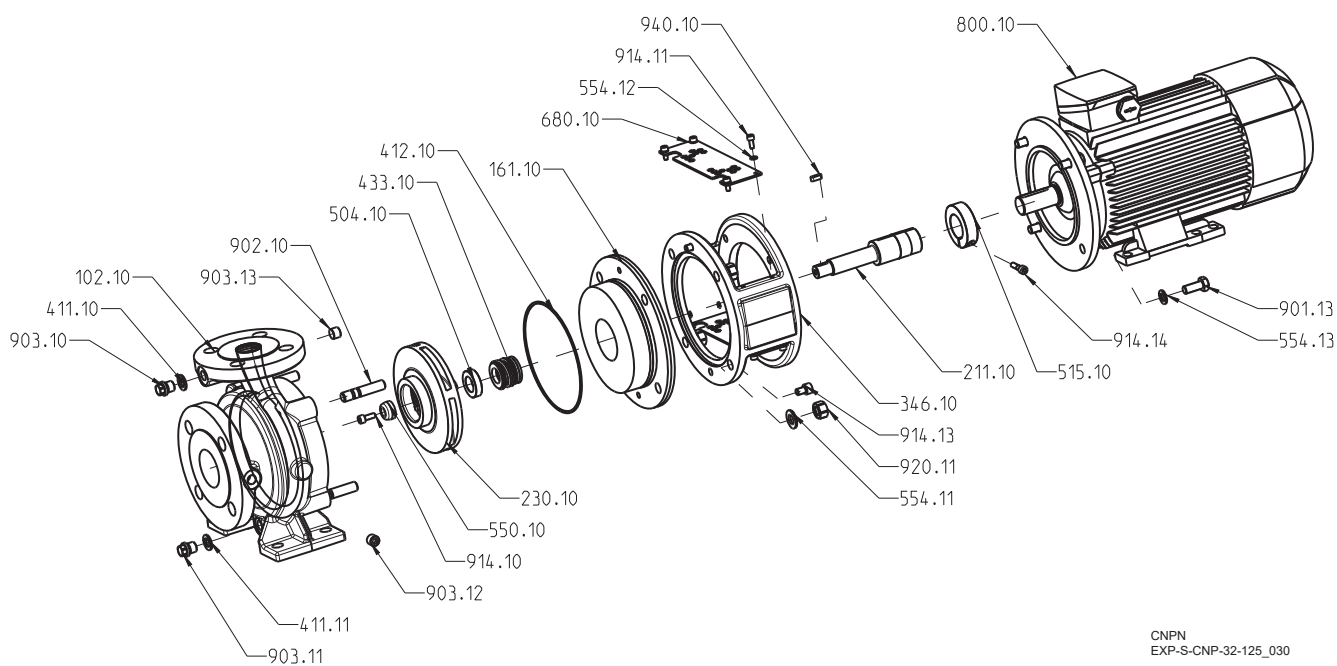
CNPN with mechanical seal and wear ring (separate bolt circle)



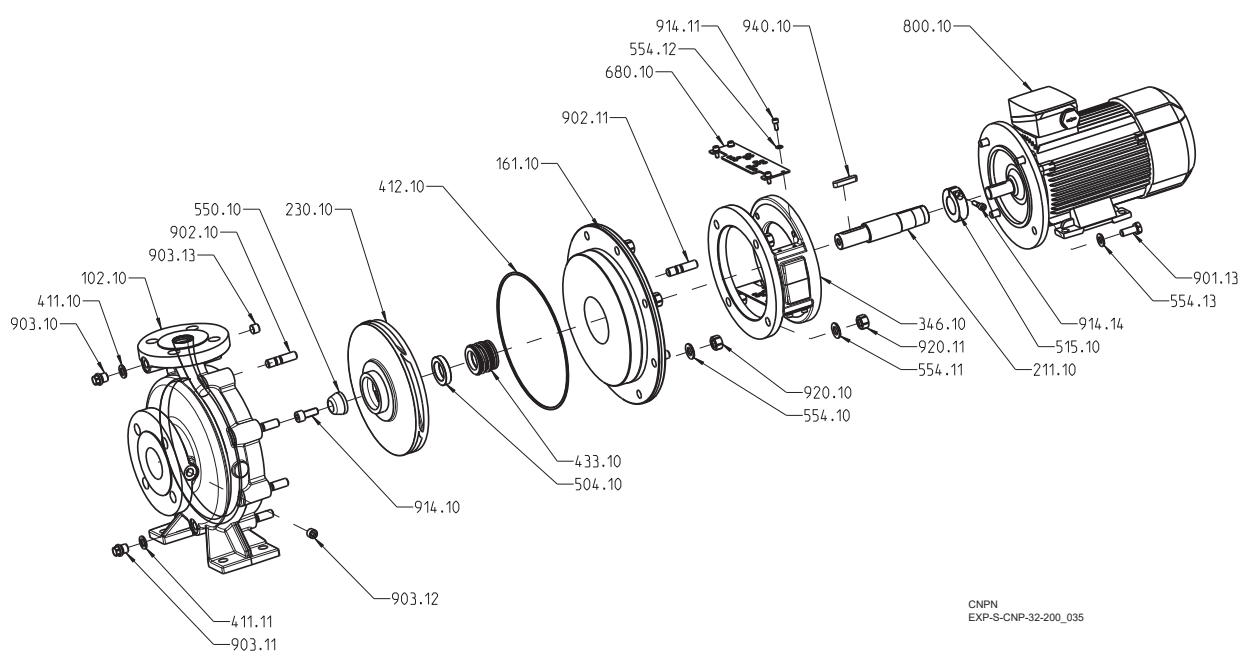
Chemical standard pumps Series CNP



CNPN with mechanical seal, without wear ring (same bolt circle)

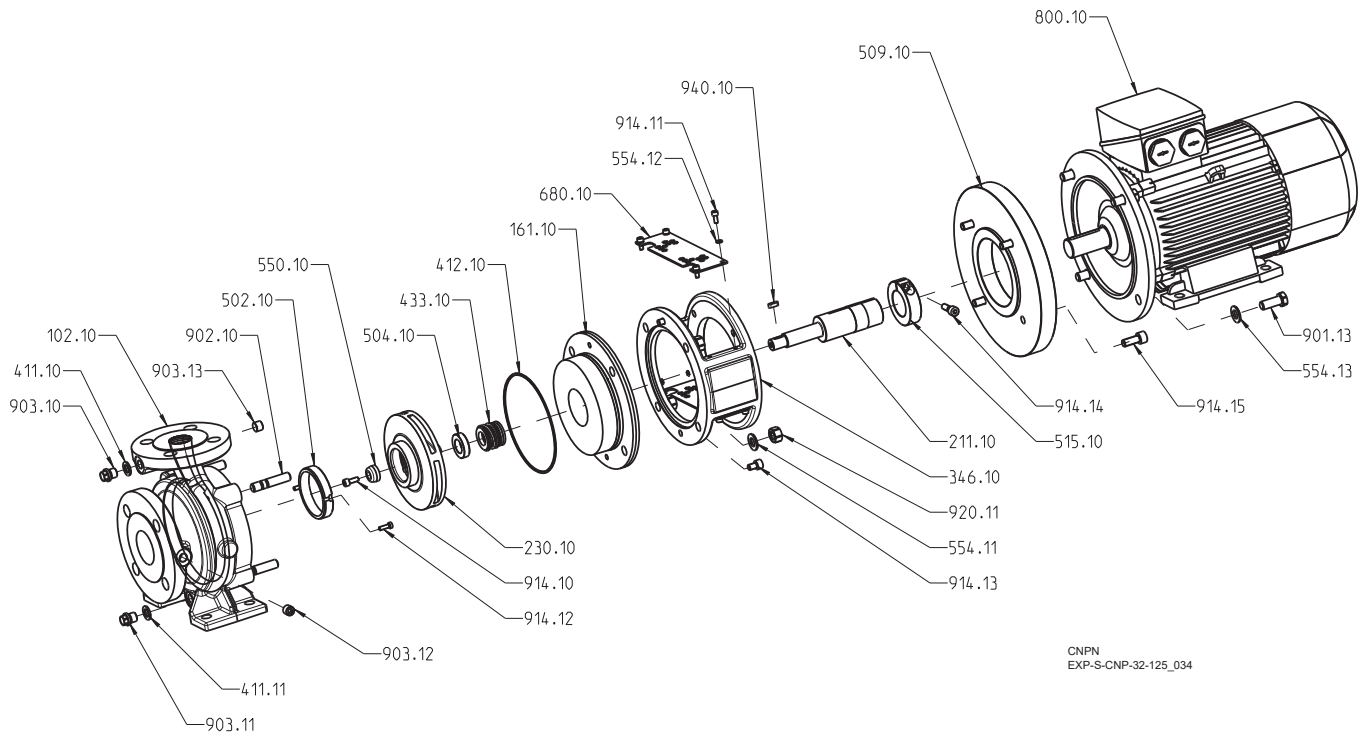


CNPN with mechanical seal, without wear ring (separate bolt circle)

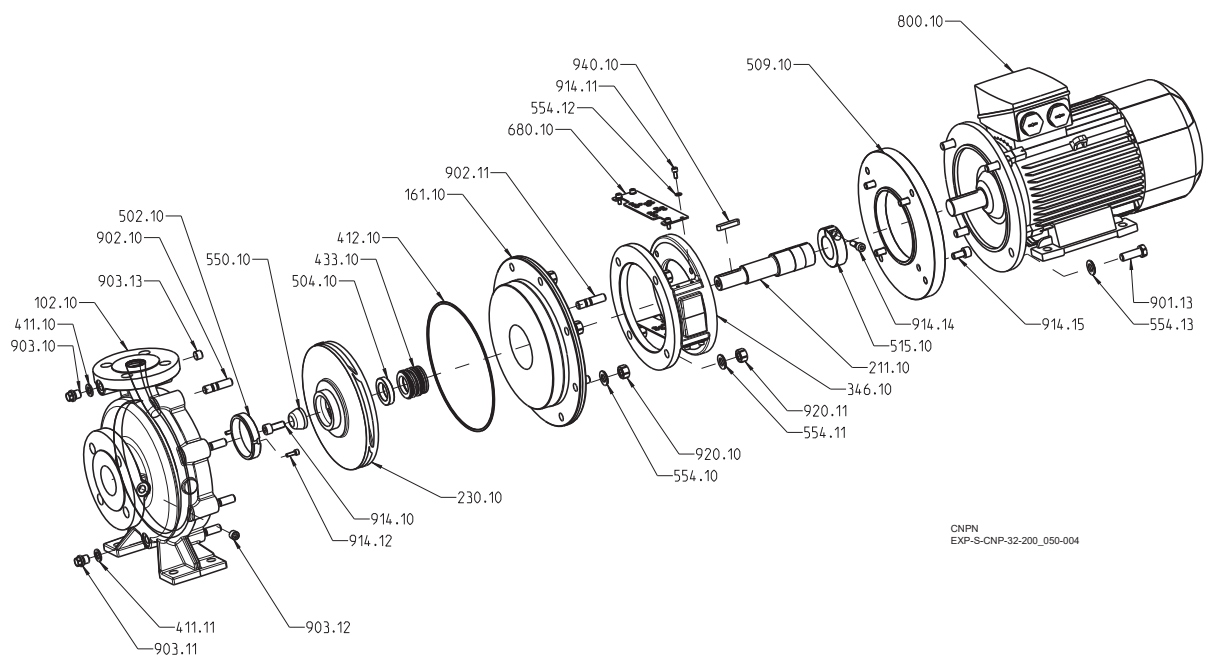


STROBL PUMPEN

CNPN with mechanical seal, motor plate and wear ring (same bolt circle)



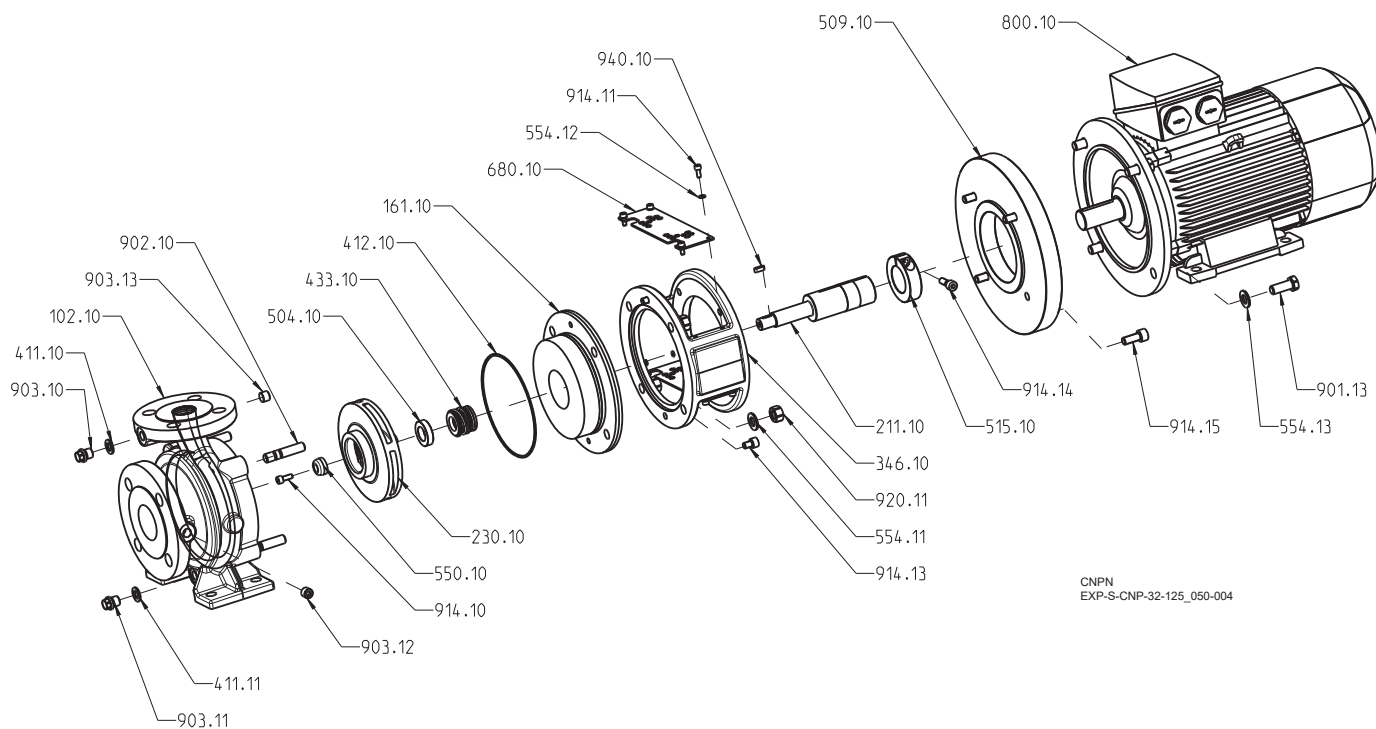
CNPN with mechanical seal, motor plate and wear ring (separate bolt circle)



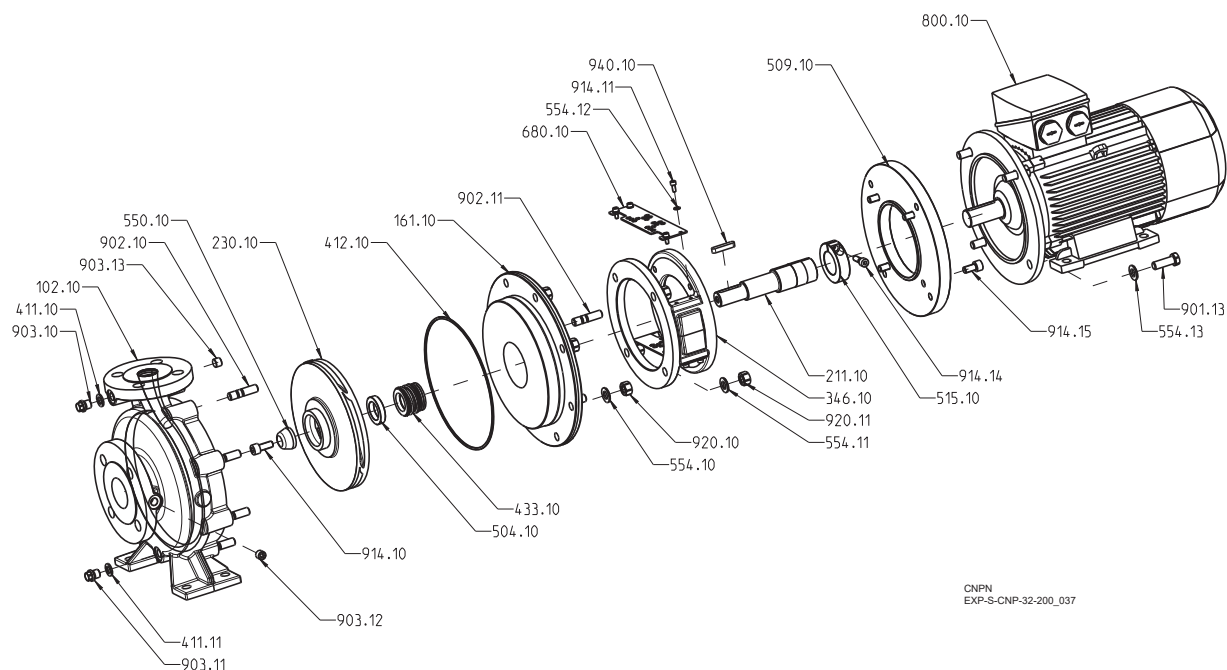
Chemical standard pumps Series CNP



CNPN with mechanical seal and motor plate, without wear ring (same bolt circle)



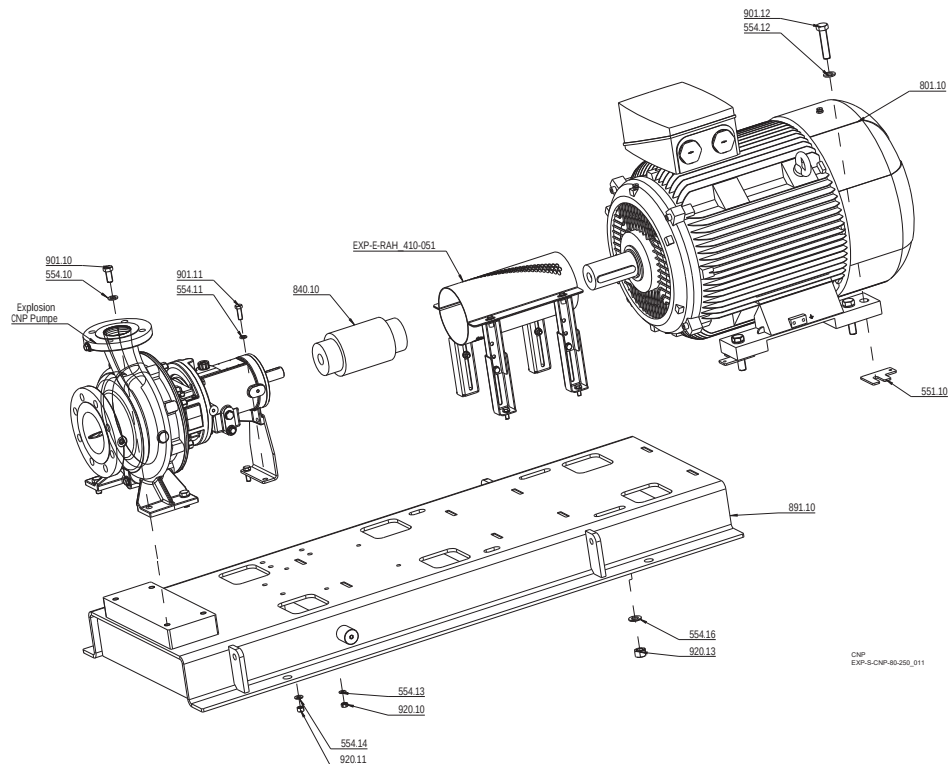
CNPN with mechanical seal and motor plate, without wear ring (separate bolt circle)



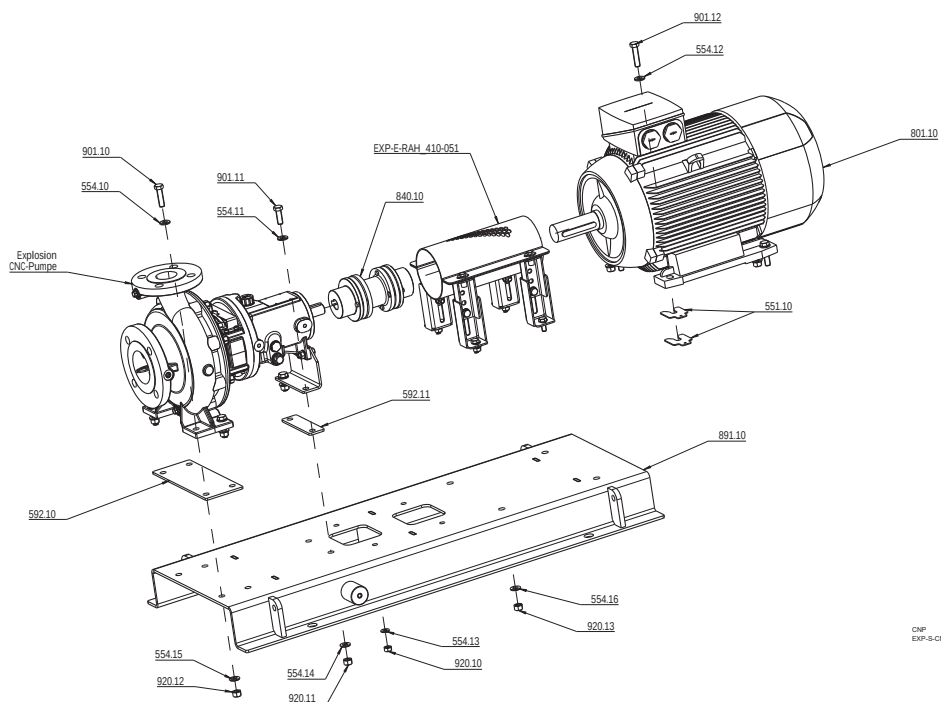
Exploded
views

STROBL PUMPEN

CNPL on base plate with alignment of centre axis (pump side)



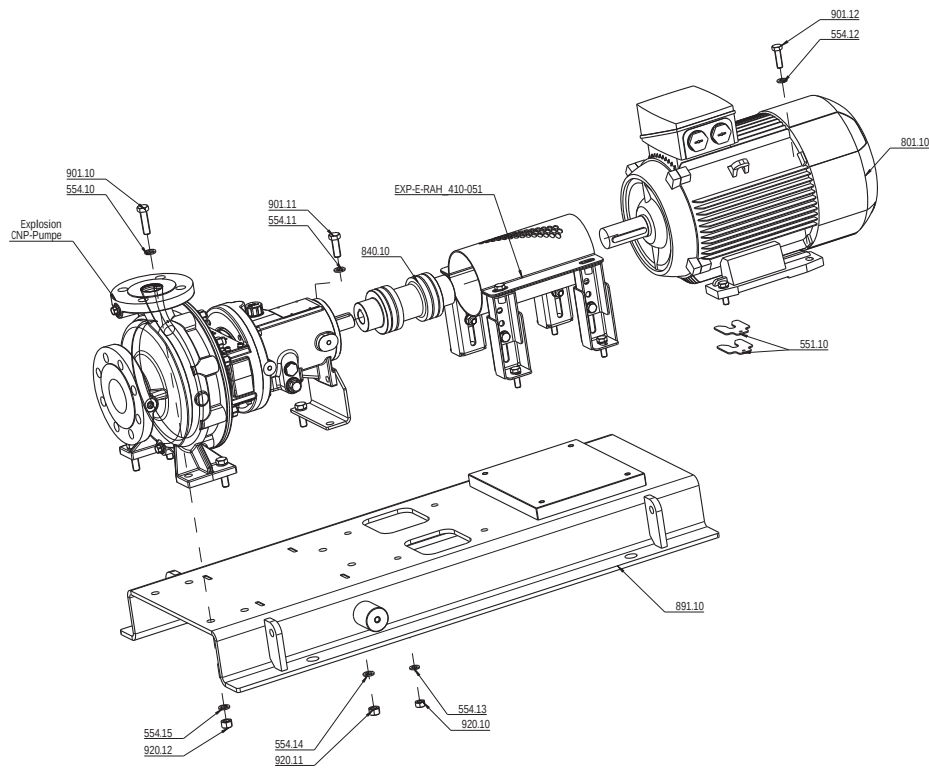
CNPL on base plate with alignment of centre axis (pump and motor side)



Chemical standard pumps Series CNP

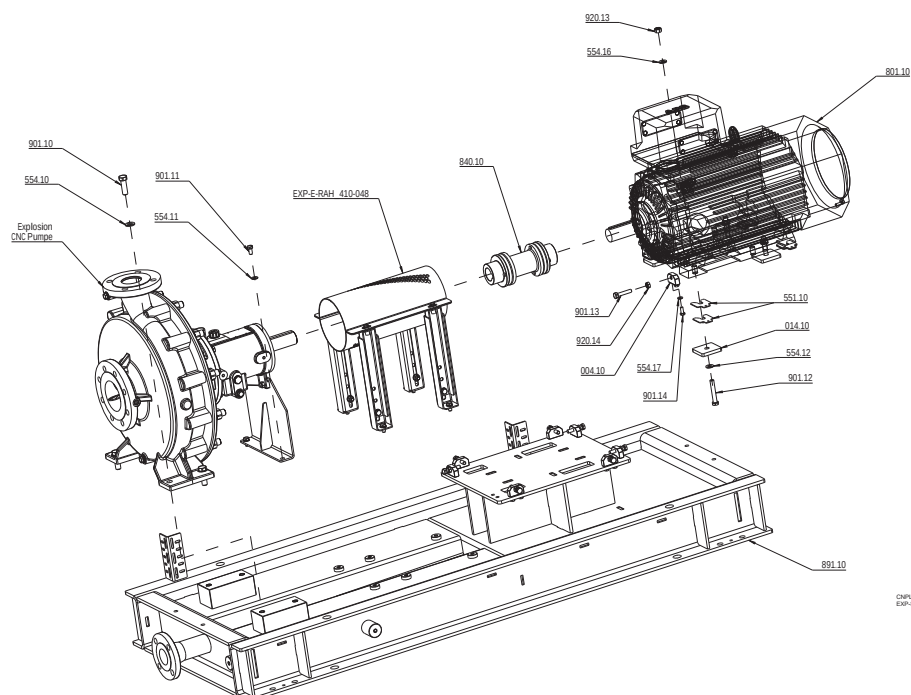


CNPL on base plate with alignment of centre axis (motor side)



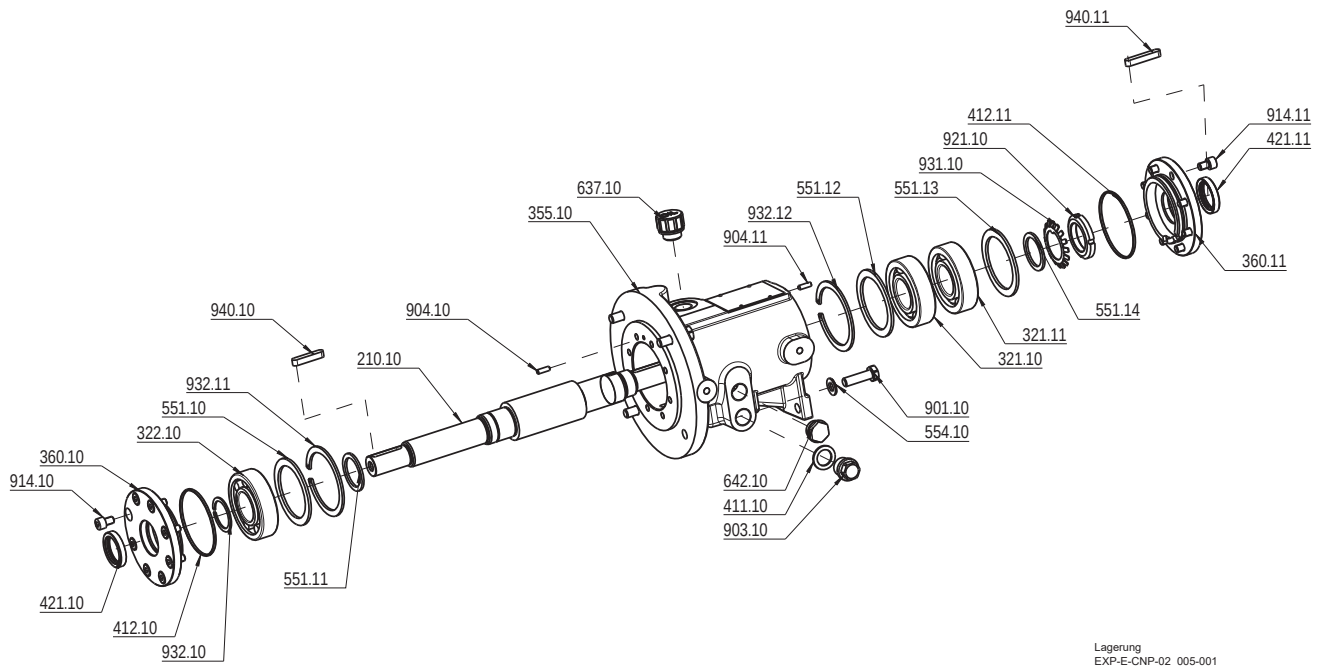
CNP
EXP-S-CNP-40-200_011

CNPL on drip tray

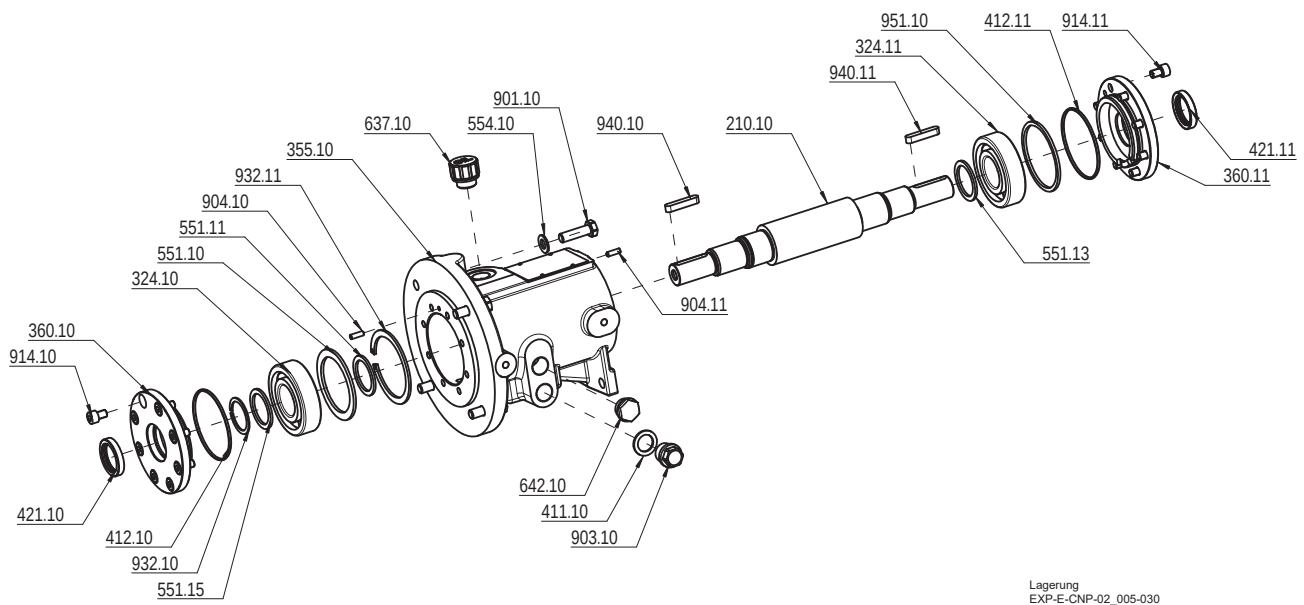


CNPL mit Tropfblech
EXP-S-CNP-60-400_011

CNP Standard bearing with radial lip seal

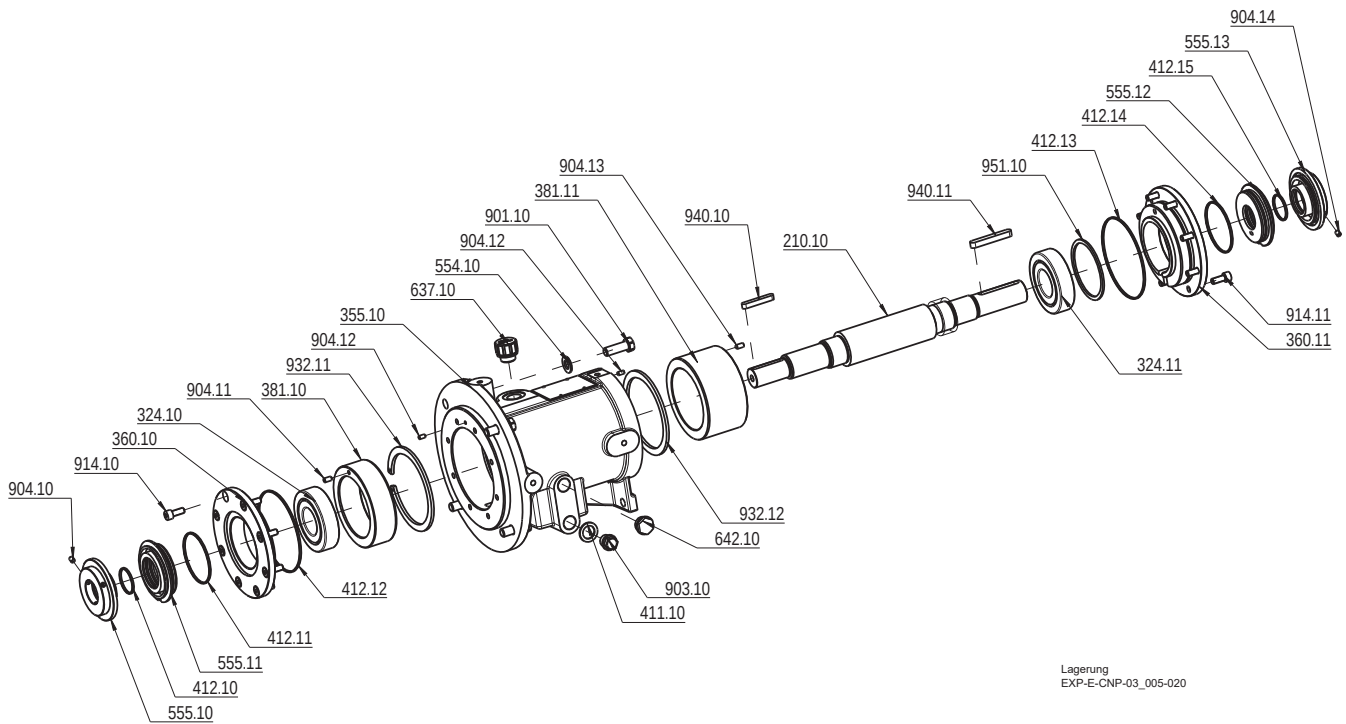


CNP Standard bearing with radial lip seal for MAK variant

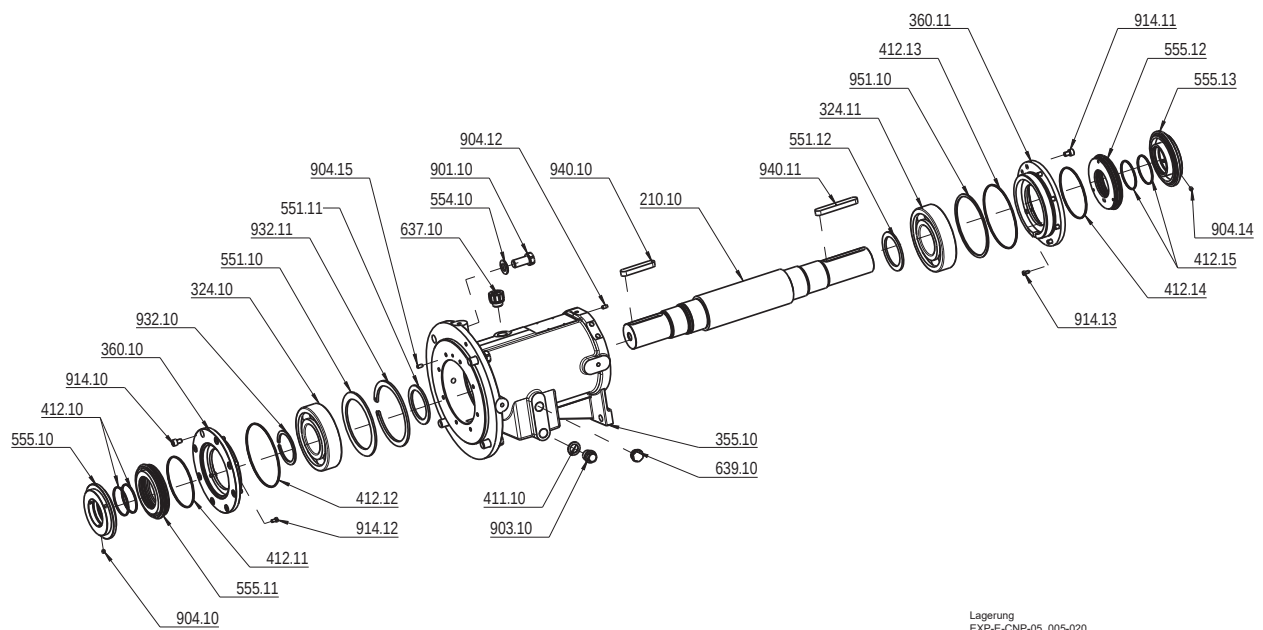




CNP Bearing with labyrinth seal and bearing insert for MAK variant



CNP Bearing with labyrinth seal without bearing insert for MAK variant



Your contact



STROBL PUMPEN GMBH & CO. KG • BOSCHRING 3 • 91161 HILPOLTSTEIN
TEL.: +49-9174-97708-0 • WWW.STROBL-PUMPEN.DE • INFO@STROBL-PUMPEN.DE

Specifications subject to change without notice

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