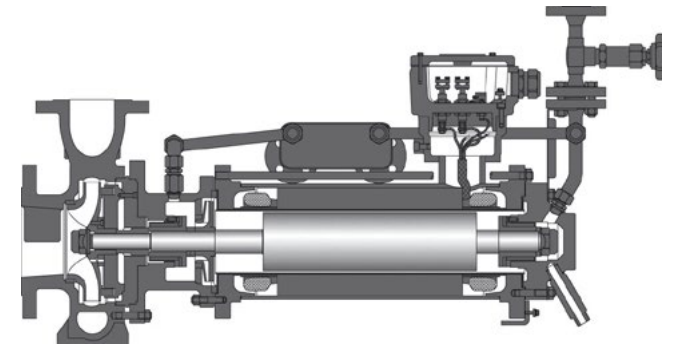
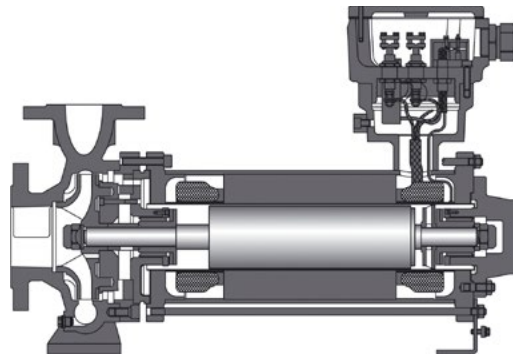
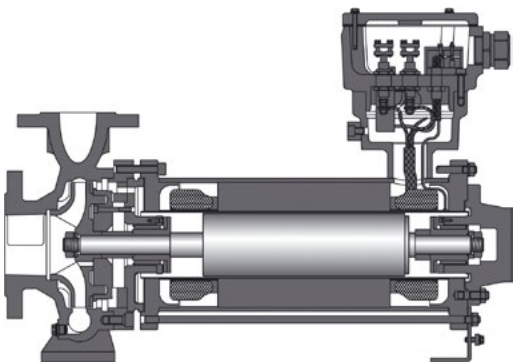


MODEL INFORMATION
CANNED MOTOR PUMP TYPE CN / CNF / CNK

HERMETIC *E-Line*



ZART®

simply best balance

Information

Operational areas / applications

For the safe transport of aggressive, toxic, hot, explosive, valuable and flammable liquids and liquefied gases.

Model / design

Horizontal, sealless spiral housing pumps in process design with completely closed canned motor with radial impeller, single-stage, single-flow. The connection measurements of the housing comply with EN 22 858 / ISO 2858.

Canned motor pump type CN

The CN model is a standard design of the HERMETIC canned motor pump and is suitable for conveying all common liquids that are not close to steam pressure (not boiling media).

Canned motor pump type CNF

The CNF model is the version for liquefied gases, boiling media and condensate. With an integrated auxiliary impeller and internal fluid return, it is suitable for conveying liquids close to steam pressure.

Canned motor pump type CNK

The CNK model is the version for conveying hot organic heat transfer oils as well as heating bath liquids. Depending on the application, this version are equipped with plate heat exchanger or tubular coolers.

Drive

The rotor lining, one of our core competences, is manufactured using the compact extrusion method and as a nickel-base alloy, it is an essential component of the highly efficient canned motor. The pressure-resistant enclosed version of our canned motor complies with explosion protection according to Directive 2014 / 34 / EU. The canned motor filled with

liquid accelerates to the operating speed in seconds. It is wear-free and maintenance-free during continuous operation due to the hydrodynamic sleeve bearings. The canned motor with low noise and vibration and offers double security to prevent leaks.

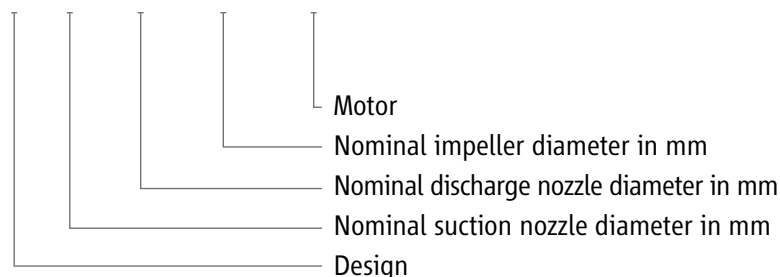
Operating data

Frequency:	50 Hz	60 Hz
Pump capacity [Q]:	max. 1700 m ³ /h	max. 1800 m ³ /h
Pumping head [H]:	max. 150 m	max. 220 m
Output power [P2]:	max. 520 kW	max. 622 kW
Conveyed material temperature [t] CN / CNF:	-120 °C to +360 °C	-120 °C to +360 °C
Conveyed material temperature [t] CNK:	max. +400 °C	max. +400 °C
Operating pressure:	16 / 25 bar	16 / 25 bar

(Extended rating scheme available on request)

Pump and hydraulic denomination

CN 50 – 32 – 200 N34L-2



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Documentation and tests

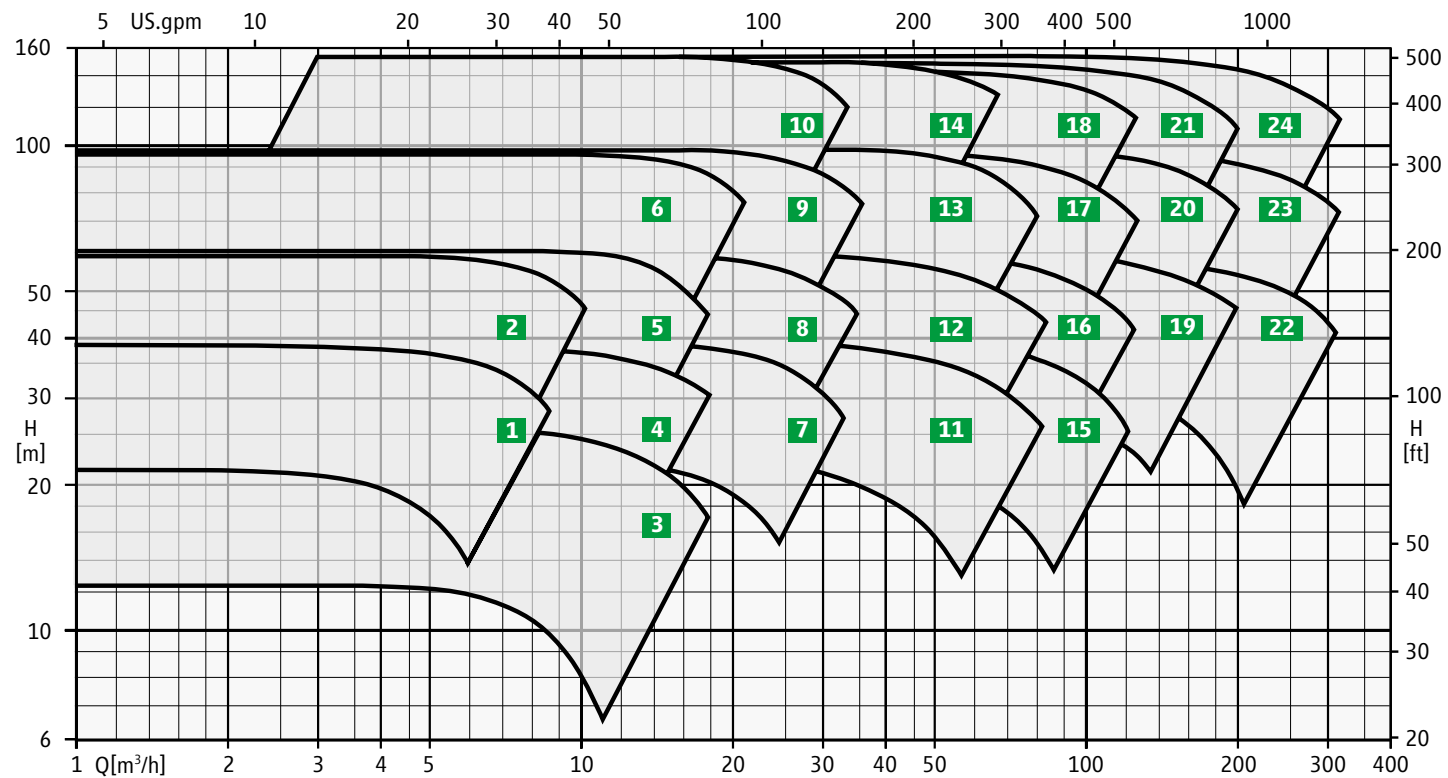
Spare parts

Monitoring equipment

Contact



2900 rpm 50 Hz



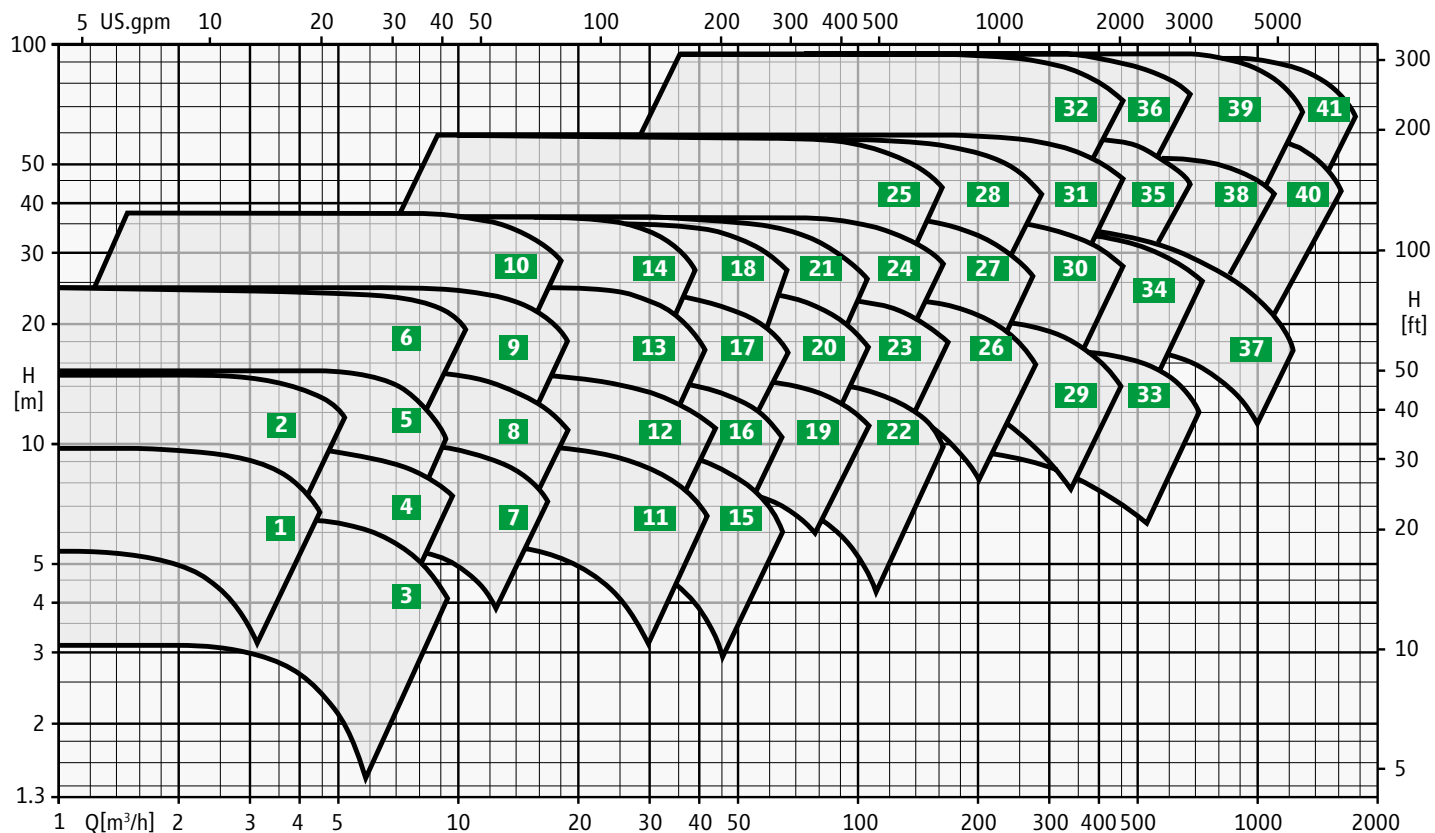
Denomination of hydraulics shown in the characteristics maps

1 40-25-160	7 65-40-160	13 80-50-250	19 125-80-200
2 40-25-200	8 65-40-200	14 80-50-315	20 125-80-250
3 50-32-125	9 65-40-250	15 100-65-160	21 125-80-315
4 50-32-160	10 65-40-315	16 100-65-200	22 125-100-200
5 50-32-200	11 80-50-160	17 100-65-250	23 125-100-250
6 50-32-250	12 80-50-200	18 100-65-315	24 125-100-315

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1450 rpm 50 Hz



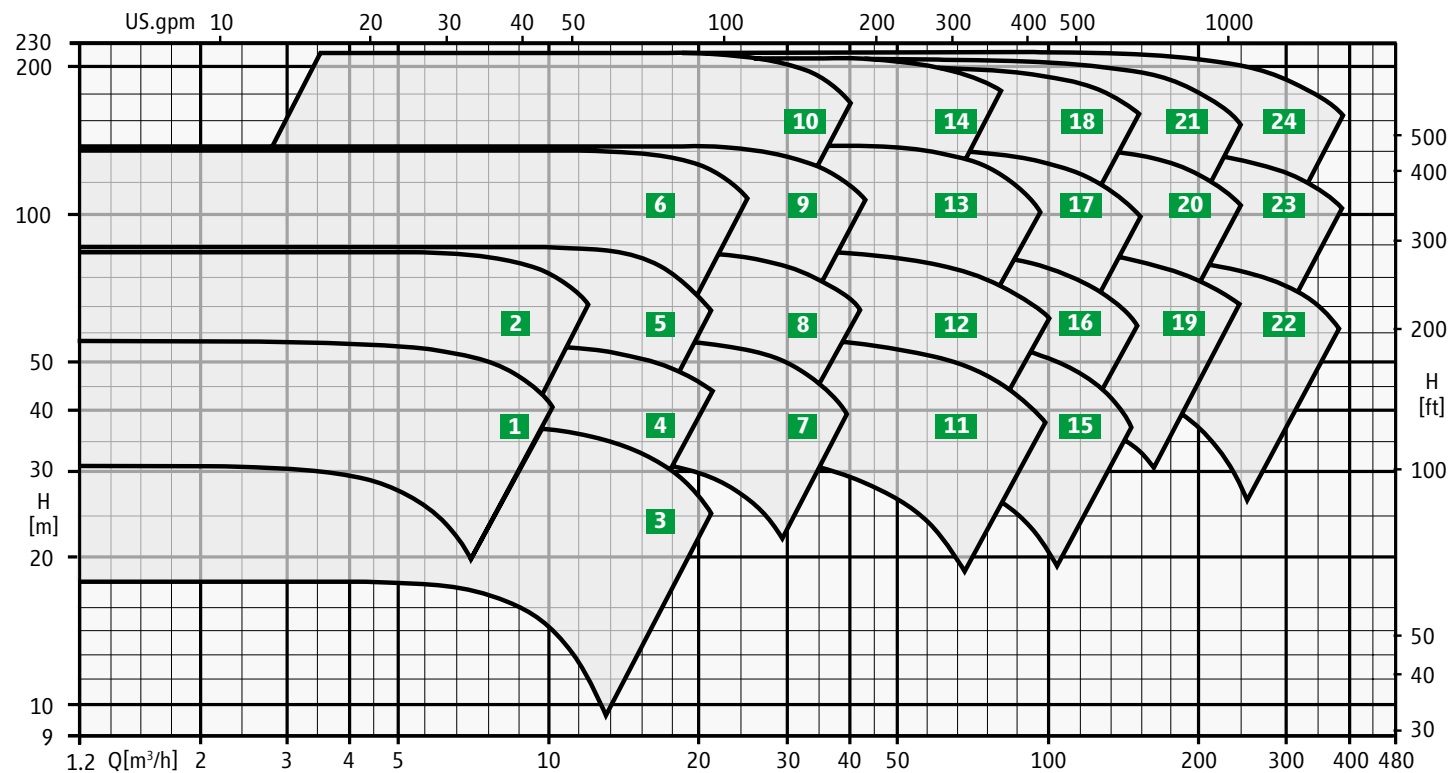
Denomination of hydraulics shown in the characteristics maps

1 40-25-160	6 50-32-250	11 80-50-160	16 100-65-200	21 125-80-315	26 125-250	31 150-400	36 200-500	41 300-500
2 40-25-200	7 65-40-160	12 80-50-200	17 100-65-250	22 125-100-200	27 125-315	32 150-500	37 250-315	
3 50-32-125	8 65-40-200	13 80-50-250	18 100-65-315	23 125-100-250	28 125-400	33 200-250	38 250-400	
4 50-32-160	9 65-40-250	14 80-50-315	19 125-80-200	24 125-100-315	29 150-250	34 200-315	39 250-500	
5 50-32-200	10 65-40-315	15 100-65-160	20 125-80-250	25 100-400	30 150-315	35 200-400	40 300-400	

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3500 rpm 60 Hz



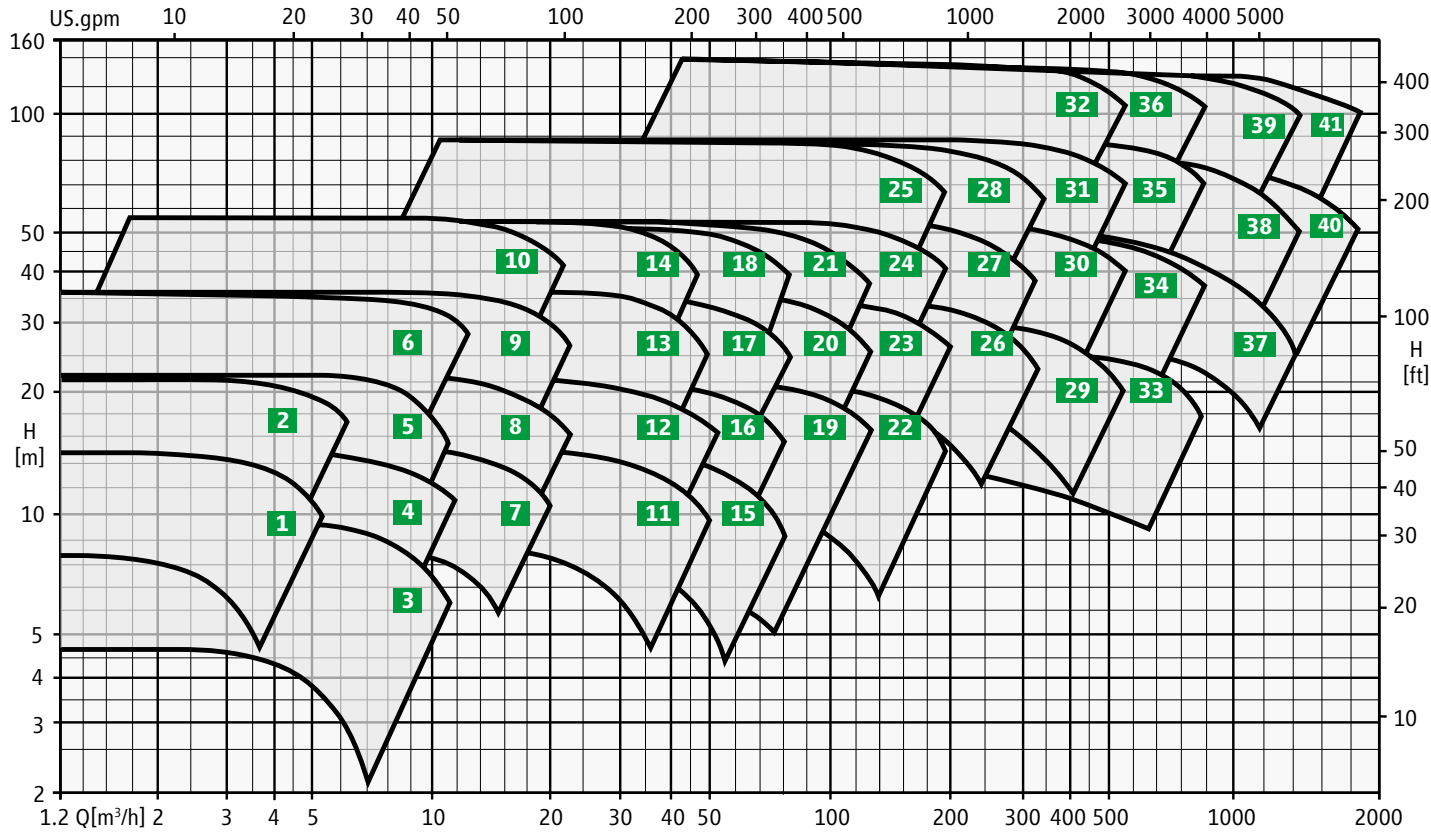
Denomination of hydraulics shown in the characteristics maps

1 40-25-160	7 65-40-160	13 80-50-250	19 125-80-200
2 40-25-200	8 65-40-200	14 80-50-315	20 125-80-250
3 50-32-125	9 65-40-250	15 100-65-160	21 125-80-315
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5 50-32-200	11 80-50-160	17 100-65-250	23 125-100-250
6 50-32-250	12 80-50-200	18 100-65-315	24 125-100-315

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1750 rpm 60 Hz



Denomination of hydraulics shown in the characteristics maps

1 40-25-160	6 50-32-250	11 80-50-160	16 100-65-200	21 125-80-315	26 125-250	31 150-400	36 200-500	41 300-500
2 40-25-200	7 65-40-160	12 80-50-200	17 100-65-250	22 125-100-200	27 125-315	32 150-500	37 250-315	
3 50-32-125	8 65-40-200	13 80-50-250	18 100-65-315	23 125-100-250	28 125-400	33 200-250	38 250-400	
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5 50-32-200	10 65-40-315	15 100-65-160	20 125-80-250	25 100-400	30 150-315	35 200-400	40 300-400	

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sales-support@hermetic-pumpen.com

www.hermetic-pumpen.com

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