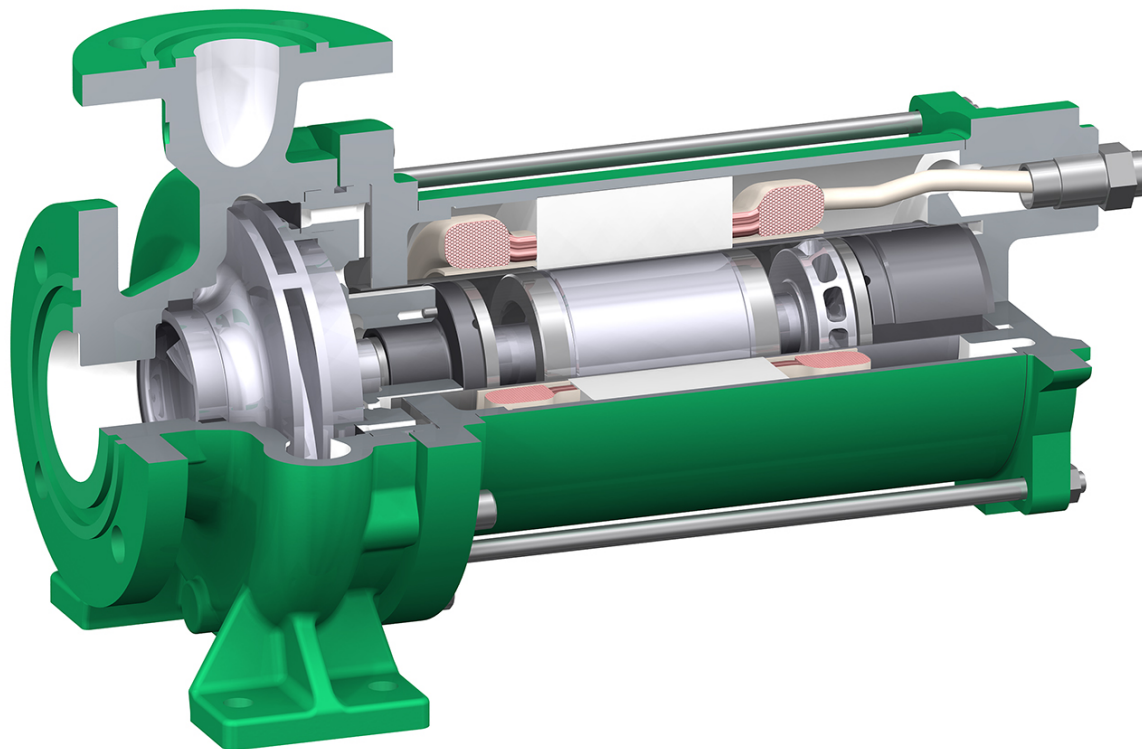


PRODUCT INFORMATION
CANNED MOTOR PUMP TYPE CNF

REFRIGERATION ENGINEERING



ZART®

simply best balance

Information

Operating data

Temperature

Application conditions	-50 °C to +30 °C
------------------------	------------------

Canned motors

Output	up to 15.7 kW
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Speed	2800 rpm or 3500 rpm (frequency control possible – from 1500 rpm to 3500 rpm)
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Voltage	230, 400, 480, 500, 575, 690 Volt
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Frequency	50 or 60 Hz
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Type of protection	IP 55
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Pump and hydraulics designations

CNF 40 – 160 AGX 3.0

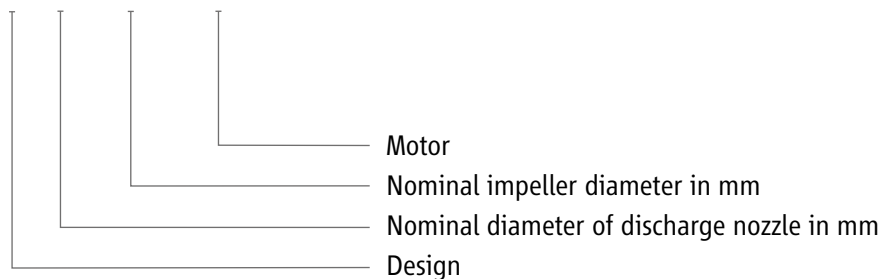


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Function CNF

To cool the motor and lubricate the bearings, a portion of the flow is branched off at the periphery of the impeller and returned to the pressure side after flowing through the motor. An auxiliary impeller serves to compensate for hydraulic losses that arise this way. Due to the partial flow return to the pressure side, point 3 in the pressure-temperature diagram corresponding to the largest heating has sufficient distance from the boiling curve. Under otherwise identical conditions, it is, therefore, possible to use the CNF model for pumping liquid gases with an extremely steep vapour pressure curve.

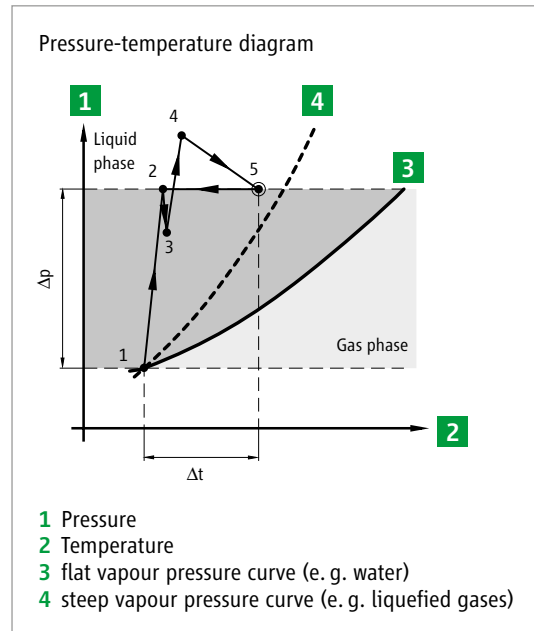
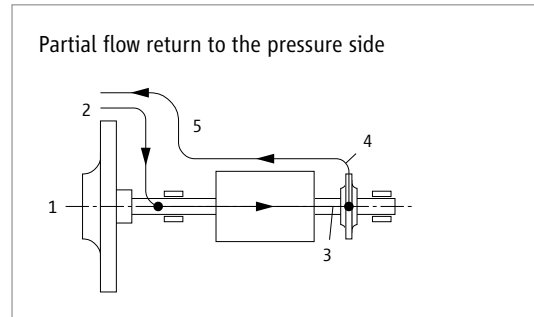
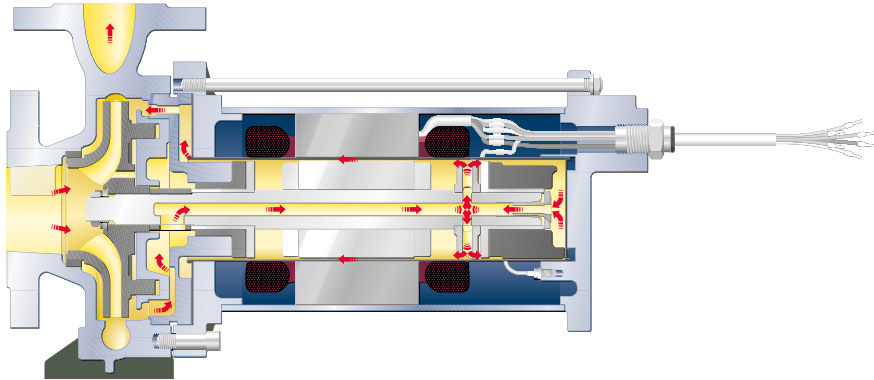


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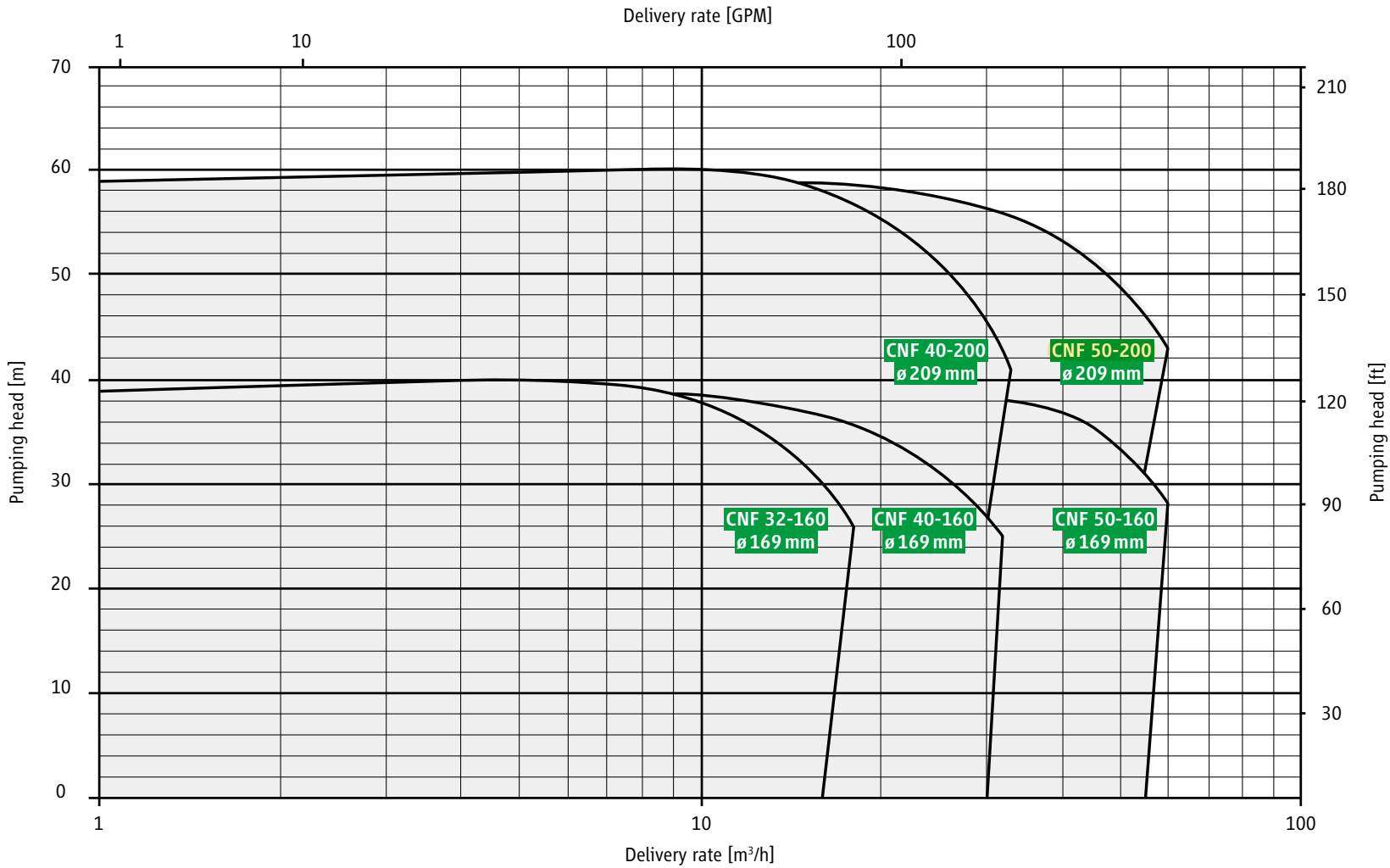
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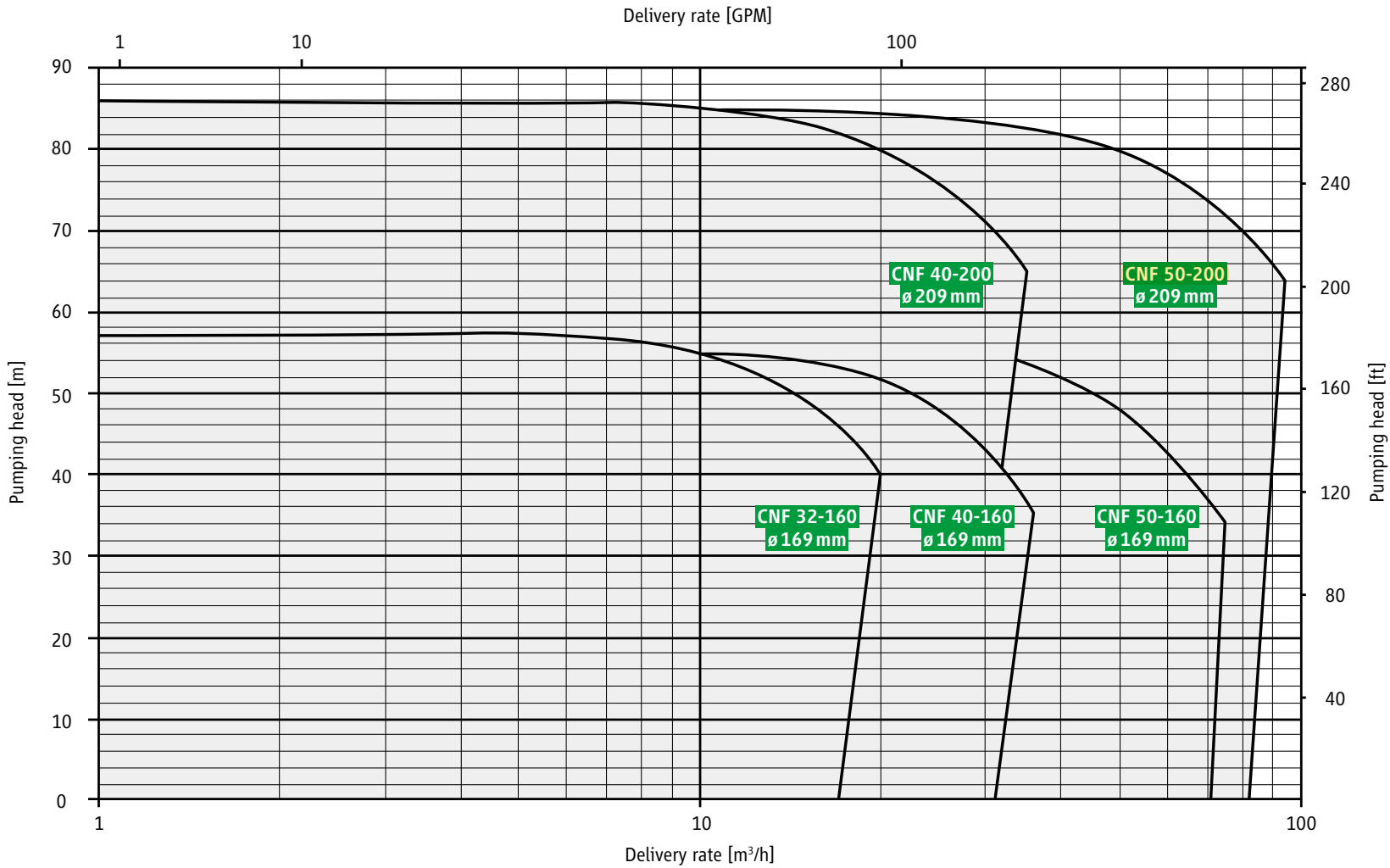
2900 rpm 50 Hz



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3500 rpm 60 Hz



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Versions CNF

Type	Motor	Pump data		Motor data 50 Hz / 60 Hz		Weight kg	PN
		Q _{min.} m ³ /h	Q _{max.} m ³ /h	Output kW [P2]	Rated current at 400 V/480 V		
CNF 32 – 160	AGX 3.0	3.0	20.0	3.0/3.4	7.1	55.0	40
	AGX 4.5	3.0	20.0	4.5/5.6	10.4	63.0	40
CNF 40 – 160	AGX 3.0	4.0	26.0	3.0/3.4	7.1	58.0	40
	AGX 4.5	4.0	26.0	4.5/5.6	10.4	66.0	40
	AGX 6.5	4.0	26.0	6.5/7.4	15.2	69.0	40
	AGX 8.5	4.0	26.0	8.5/9.2	19.0	80.0	40
CNF 40 – 200	AGX 4.5	4.0	26.0	4.5/5.6	10.4	74.0	40
	AGX 6.5	4.0	26.0	6.5/7.4	15.2	77.0	40
	AGX 8.5	4.0	26.0	8.5/9.2	19.0	90.0	40
	CKPx 12.0	6.0	26.0	13.5/15.7	31.0	122.0	25
CNF 50 – 160	AGX 4.5	8.0	60.0	4.5/5.6	10.4	77.0	40
	AGX 6.5	8.0	60.0	6.5/7.4	15.2	80.0	40
	AGX 8.5	8.0	60.0	8.5/9.2	19.0	91.0	40
	CKPx 12.0	8.0	60.0	13.5/15.7	31.0	118.0	25
CNF 50 – 200	AGX 6.5	8.0	60.0	6.5/7.4	15.2	82.0	40
	AGX 8.5	8.0	60.0	8.5/9.2	19.0	96.0	40
	CKPx 12.0	8.0	60.0	13.5/15.7	31.0	125.0	25

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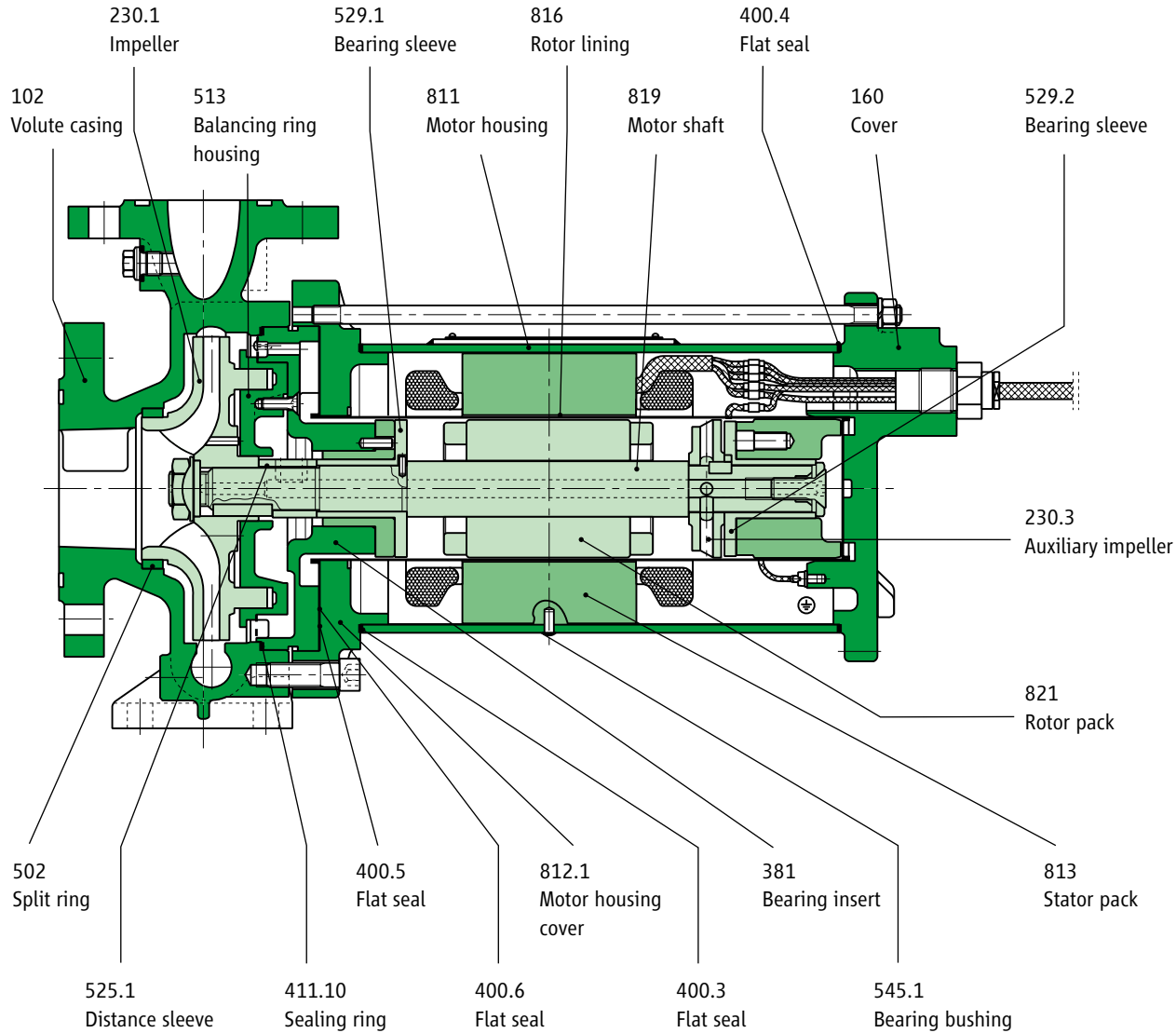
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List of parts **CNF**



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Versions CNF

Dimensions	CNF 32 – 160	CNF 40 – 160	CNF 40 – 160	CNF 40 – 200	CNF 40 – 200	CNF 50 – 160	CNF 50 – 160	CNF 50 – 200	CNF 50 – 200
	AGX 3.0/4.5	AGX 3.0/4.5/6.5	AGX 8.5	AGX 4.5/6.5	AGX/CKPx 8.5/12.0	AGX 4.5/6.5	AGX/CKPx 8.5/12.0	AGX 6.5	AGX/CKPx 8.5/12.0
Length / L	506	506	575	526	595/620	526	595/620	526	595/620
Width / W	240	240	240	265	265/290	265	265/290	265	265/290
Height / H	292	292	292	340	340	340	340	360	360
h1	132	132	132	160	160	160	160w	160	160
h2	160	160	160	180	180	180	180	200	200
b	80	80	80	100	100	100	100	100	100
v	100	100	100	115	115	108	108	118	118
DN _s	50	65	65	65	65	80	80	80	80
DN _b	32	40	40	40	40	50	50	50	50

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