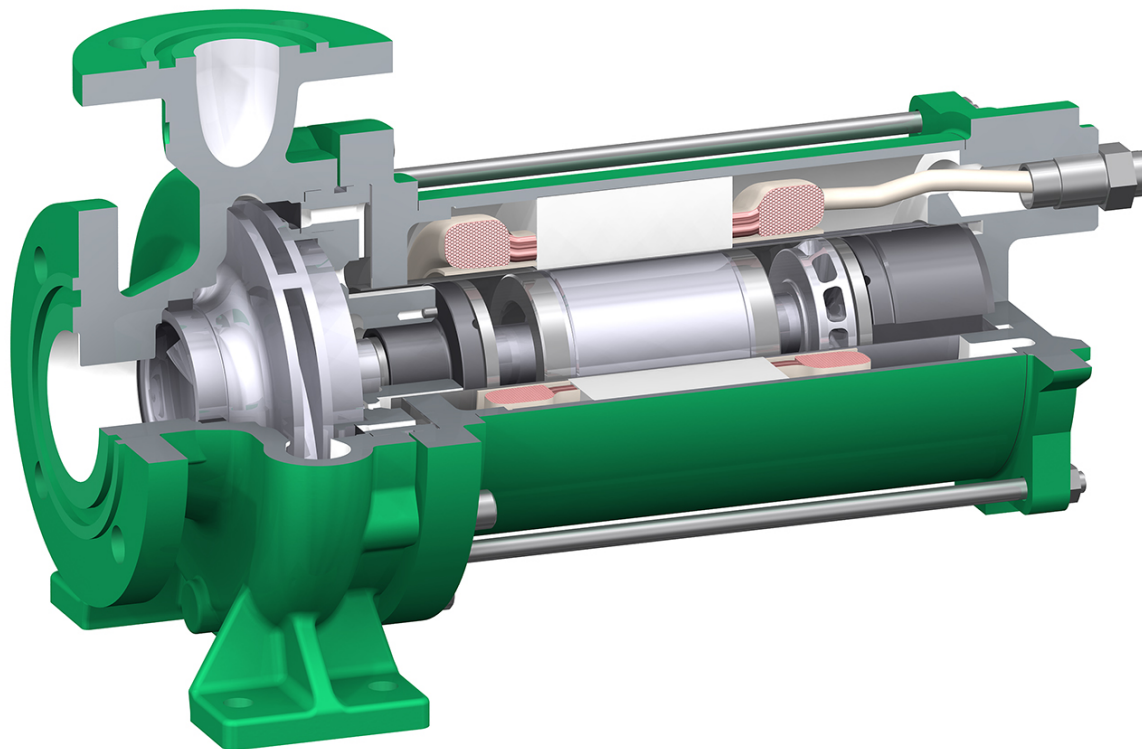


PRODUCT INFORMATION
CANNED MOTOR PUMP TYPE CNF

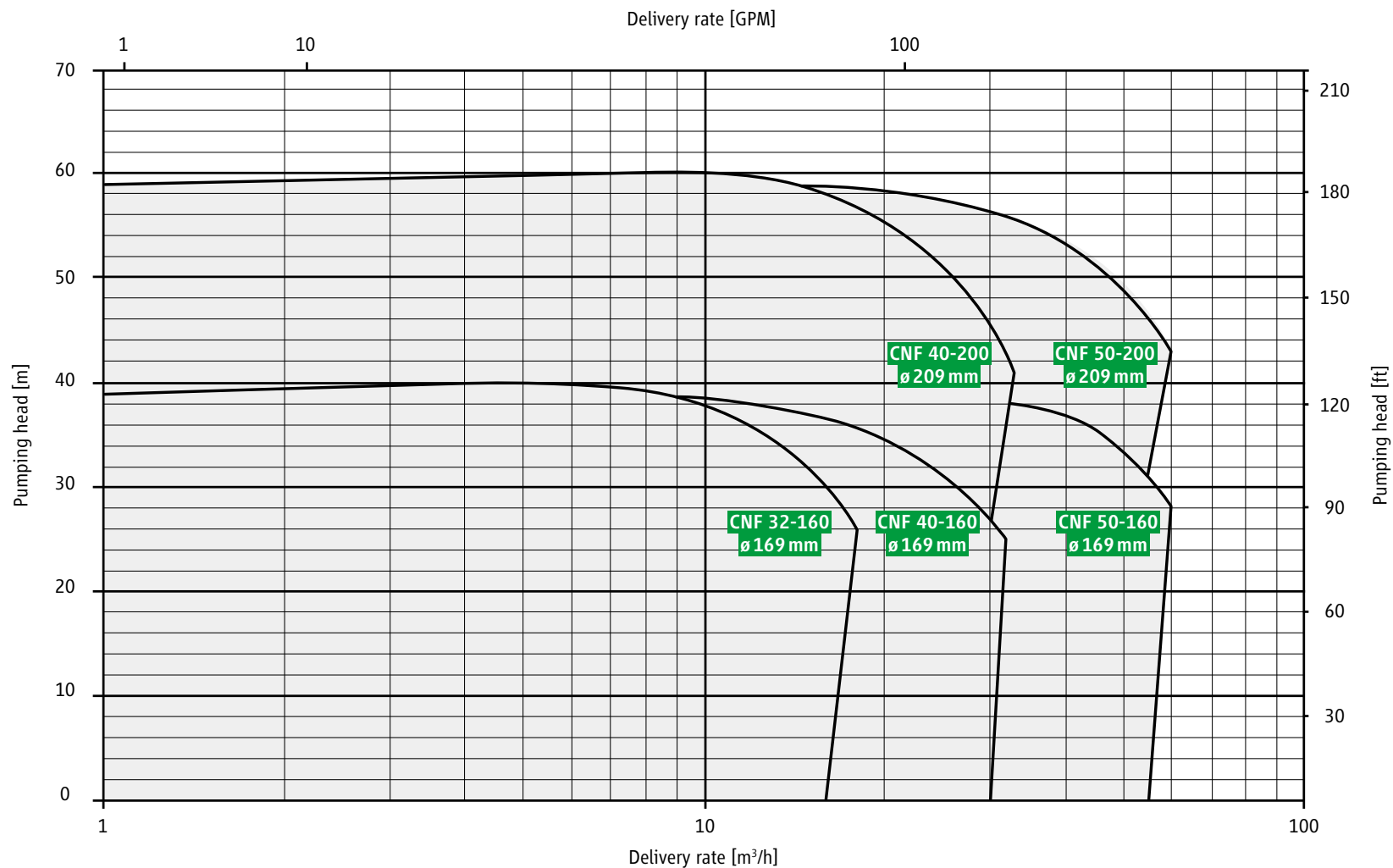
REFRIGERATION ENGINEERING



ZART®

simply best balance

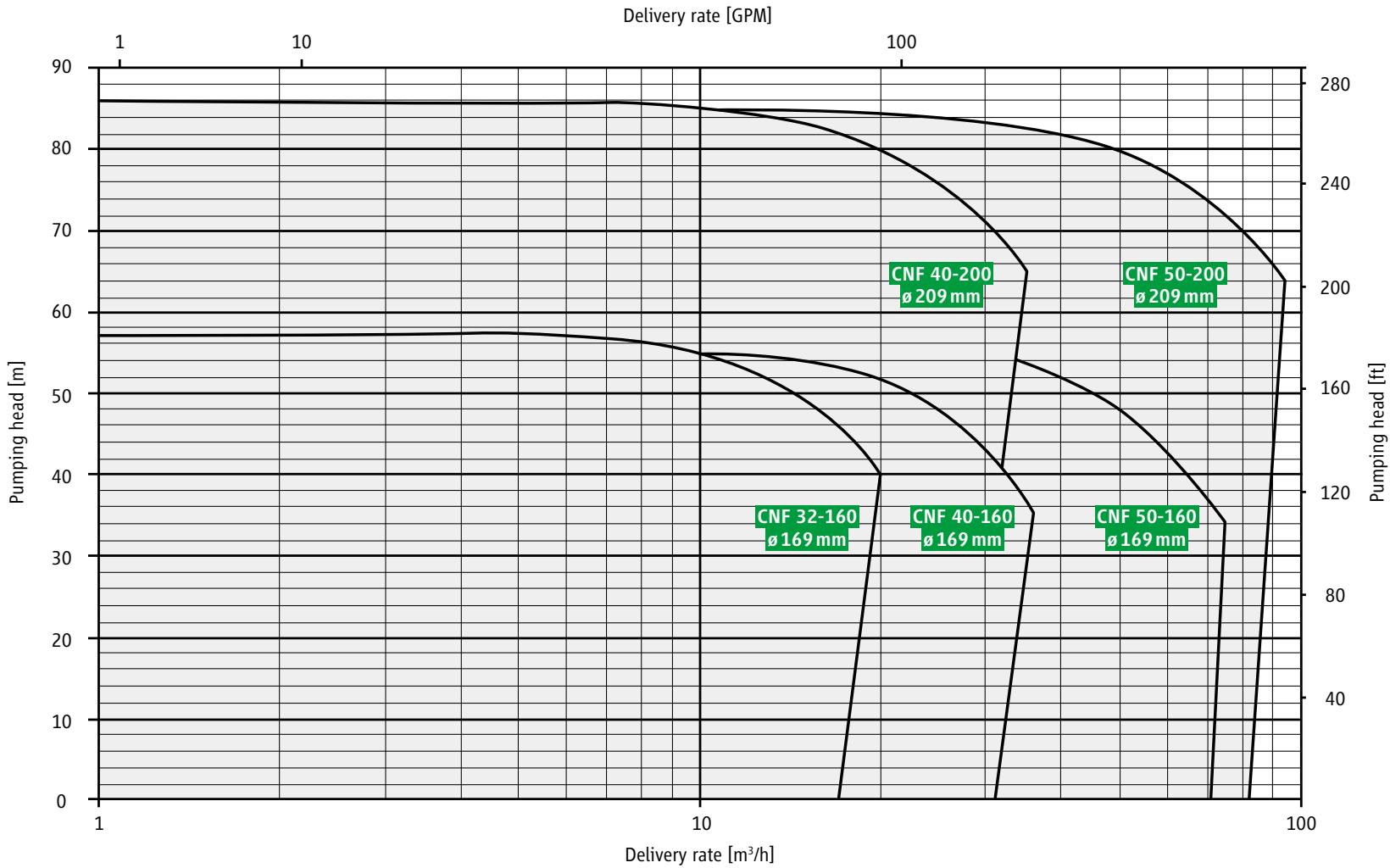
2900 rpm 50 Hz



- Table of Contents
- General information
- Function
- Operating principle
- Characteristic maps**
- Versions
- List of parts
- Collective measurements
- Documentation and tests
- Installation
- Protection and monitoring
- Flow regulation
- Design software
- Contact



3500 rpm 60 Hz



- Table of Contents
- General information
- Function
- Operating principle
- Characteristic maps**
- Versions
- List of parts
- Collective measurements
- Documentation and tests
- Installation
- Protection and monitoring
- Flow regulation
- Design software
- Contact



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
	CKPx 12.0	6.0	26.0	13.5/15.7	31.0	122.0	25
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

Table of Contents

General information

Function

Operating principle

Characteristic maps

Versions

List of parts

Collective measurements

Documentation and tests

Installation

Protection and monitoring

Flow regulation

Design software

Contact



Materials / pressure stages / flanges

Housing	JS 1025
Impeller	JL 1040
Slide bearing	1.4021 / carbon
Shaft	1.4021
Rotor lining	1.4571
Seals	AFM 34*
Pressure rating	PN 40**
Flanges	according to DIN EN 1092-1, PN 40 type D

* asbestos-free aramid fibre, ** test pressure 60 bar

Noise expectancy values

Motors	AGX 3.0	AGX 4.5	AGX 6.5	AGX 8.5	CKPx 12.0
Output power [P2 at 50 Hz]	3.0 kW	4.5 kW	6.5 kW	8.5 kW	13.5 kW
max. expected sound pressure level dB(A) at 50 Hz	52	54	56	57	59
Output power [P2 at 60 Hz]	3.4 kW	5.6 kW	7.5 kW	9.7 kW	15.7 kW
max. expected sound pressure level dB(A) at 60 Hz	52	55	56	57	59

[Table of Contents](#)

[General information](#)

[Function](#)

[Operating principle](#)

[Characteristic maps](#)

Versions

[List of parts](#)

[Collective measurements](#)

[Documentation and tests](#)

[Installation](#)

[Protection and monitoring](#)

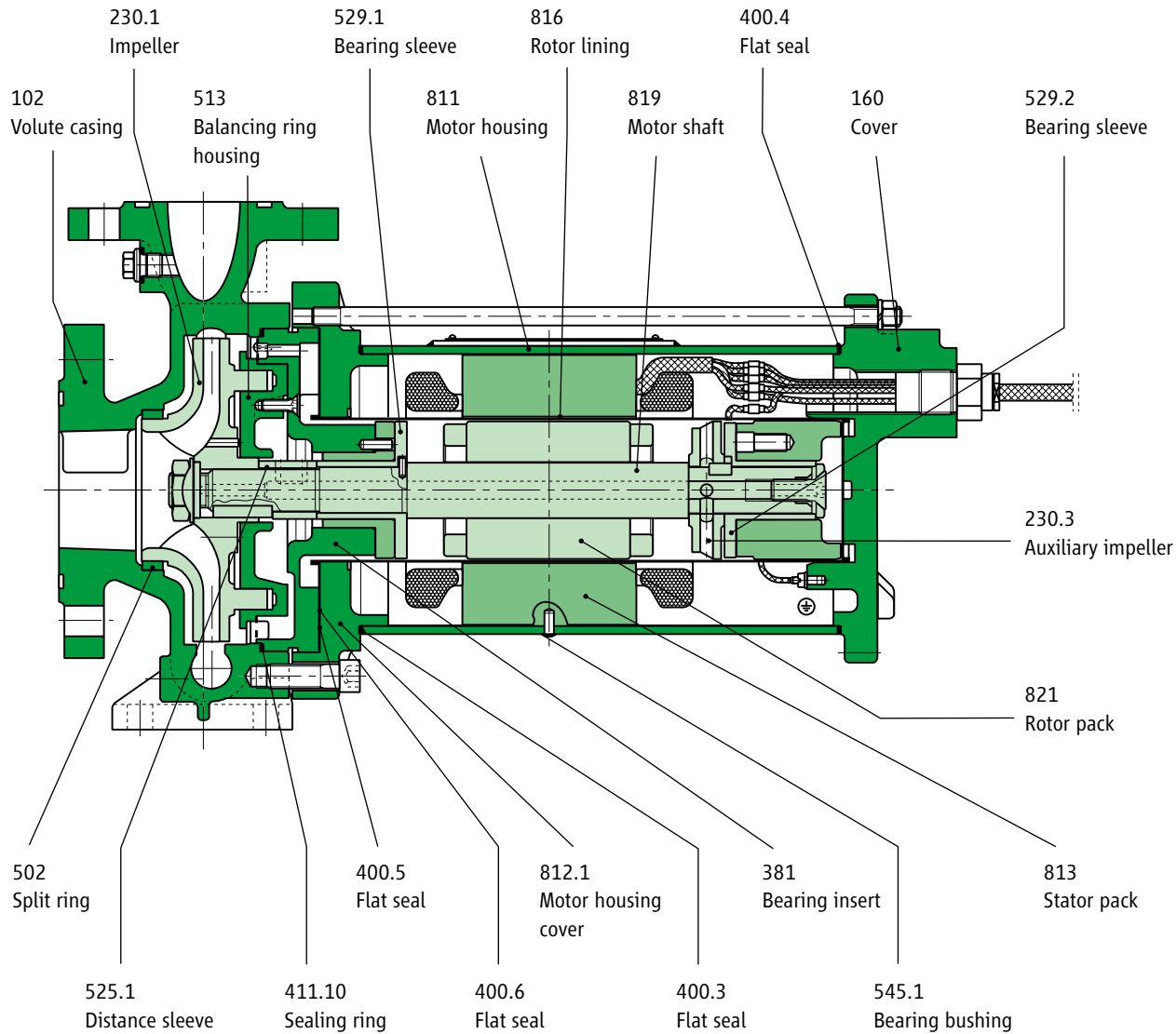
[Flow regulation](#)

[Design software](#)

[Contact](#)



List of parts **CNF**



- Table of Contents
- General information
- Function
- Operating principle
- Characteristic maps
- Versions
- List of parts**
- Collective measurements
- Documentation and tests
- Installation
- Protection and monitoring
- Flow regulation
- Design software
- Contact



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

Table of Contents

General information

Function

Operating principle

Characteristic maps

Versions

List of parts

Collective measurements

Documentation and tests

Installation

Protection and monitoring

Flow regulation

Design software

Contact

