ENGINEERING
TOMORROW

Data Sheet

CLP / CLP D pumps

CLP 675 / CLP D 675-005-017 / 025-058 / 085-152

oilandgas.danfoss.com

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1. Introduction

CLP 675 / CLP D 675 pumps are made according to API 675 3rd edition.
CLP 675 / CLP D 675pumps are specific designed for various chemicals, liquids, additives and other hard-to-handle fluids in production systems, placed in subsea, onshore and offshore applications.

Danfoss CLP pumps are based on the axial piston principle offering long life and high efficiency in the demanding oil and gas industry. The Danfoss CLP pumps have a light and compact design, resulting in one of the smallest footprints on the market.

All parts are designed to provide long service life, i.e. long service life with a constantly high efficiency and minimum of service required. Lubrication of the moving parts in the pumps is provided by the fluid itself. No oil lubrication is thus required.
The pumps are fixed displacement pumps in which the flow is proportional to the number of revolutions of the input shaft and the pump displacement, regardless of any counter-pressure.

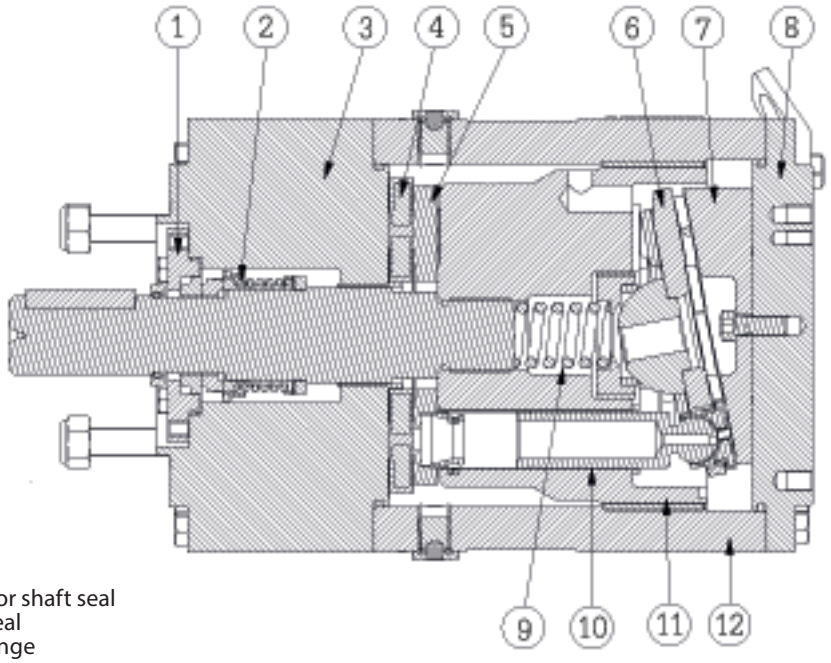
The pump design ensures a minimal acceleration loss, low pulsation and high efficiency.

If magnetic drive is required, please contact Danfoss High Pressure Pumps sales organization for further information.

This datasheet covers CLP 675-005-017, CLP D 675-005-017 / CLP 675-025-058 / CLP D 675-025-058 / CLP 675-085-152 / CLP D 675-085-152 pumps

In the next pages all pumps will be named as CLP.
The CLP pumps are made in AISI 316, whereas the CLP D are made in Super Duplex / Duplex.

Below sectional drawing is a conceptual example of a CLP 675 / CLP D 675 pump



1: Cover for shaft seal
2: Shaft seal
3: Port flange
4: Port plate
5: Valve plate
6: Retainer plate
7: Swash plate
8: End flange
9: Spring
10: Piston
11: Cylinder barrel
12: Housing with bearing:

2. Benefits

- **High reliability:**
  - Constructed to provide maximum reliability.
  - Designed for a wide range of corrosive, volatile and other hard-to-handle fluids.
  - All parts are made of high-grade materials.
- **Minimum service required:**
  - Generates insignificant pulsations in the discharge line.
  - No oil lubrication is required.
  - Long service life and easy maintenance.
- **Low energy costs:**
  - The highly efficient axial piston pump design provides the lowest energy consumption of any comparable on the market.
- **Zero risk of lubricant contamination:**
  - Oil lubricants are replaced with the pumped medium so there is no contamination risk from the pump.
- **Easy installation:**
  - One of the smallest, lightest and most compact designs available in the market.
  - Pump can be installed horizontally or vertically.
  - In most cases no pulsation dampeners are necessary due to extremely low pulsations.
  - Powered by electric motors or combustion engines.
- **Certified quality:**
  - ATEX available on request.
  - CE available.
  - Type approval available on request.
  - Design verification available on request.
  - The pump is designed according to API 675 3rd edition.

3. Application examples

- Dehydration / glycol pumping
- Transfer pumps
- Produced fluid injection
- Wash fluid system
- Chemical / technical processes
- Fluid make up pump
- Gas sweetening – “Amine”
- Fluid and glycol hydraulic fluid
- Subsea
- Closed and open drain pump
- Seal flush pump

4. Technical data 4.1 CLP 675-005-017

Pump size		CLP 675-005	CLP 675-008	CLP 675-010	CLP 675-015	CLP 675-017
Geometric displacement	cm^3/rev	2.00	3.20	4.07	5.30	6.30
	in^3/rev	0.12	0.20	0.25	0.32	0.38
Pressure [1]						
Min. continuous outlet pressure	barg	20	20	20	20	20
	psig	290	290	290	290	290
Max. continuous inlet pressure [MASP][2]	barg	10	10	10	10	10
	psig	145	145	145	145	145
Max. continuous outlet pressure [MAWP][6]	barg	172	172	172	172	157
	psig	2494	2494	2494	2494	2277
Speed [3]						
Min. speed[7]	rpm	700	700	700	700	700
Max. speed[5]	rpm	3600	3600	3600	3600	3600
Typical flow at 80 barg - Flow curves available in section 5						
1500 rpm	l/min	2.70	4.32	5.50	7.45	8.86
3000 rpm	l/min	5.64	9.02	11.49	15.47	18.40
1800 rpm	gpm	0.87	1.39	1.76	2.38	2.83
3600 rpm	gpm	1.80	2.88	3.67	4.94	5.87
Typical motor size at 80 barg						
1500 rpm	kW 50Hz	0.75	1.10	1.10	1.50	2.20
1800 rpm	hp 60Hz	0.75	1.50	1.50	3.00	3.00
3000 rpm	kW 50Hz	1.10	1.50	2.20	3.00	3.00
3600 rpm	hp 60Hz	1.50	3.00	3.00	5.00	5.00
Media temperature	°C	95	95	95	95	95
	°F	203	203	203	203	203
Ambient temperature	°C	60	60	60	60	60
	°F	140	140	140	140	140
Sound pressure level [4]	dB(A)	73	73	73	75	75
Weight	kg	6	6	6	6	15
	lbs	13	13	13	13	13

[1] For lower and higher continuous pressure please contact Danfoss High Pressure Pumps.
[2] NPIPr - see section 5.
[3] For lower or higher continuous speed please contact Danfoss High Pressure Pumps.
[4] According to ISO 3744 : 2010.
[5] Over 3000 rpm, the pump operation is referred to as “high end performance”, max. outlet pressure is limited to 140 bar. Recommended inspection intervals are detailed in section 8.
[6] Over 160 barg, the pump operation is referred to as “high end perfomance” and recommended inspection intervals are detailed in section 8.
[7] Minimum speed is 1000 rpm when pumping DI water

4.2 CLP D 675-005-017

Pump size		CLP D 675-005	CLP D 675-008	CLP D 675-010	CLP D 675-015	CLP D 675-017
Geometric displacement	cm^3/rev	2.00	3.20	4.07	5.30	6.30
	in^3/rev	0.12	0.20	0.25	0.32	0.38
Pressure [1]						
Min. continuous outlet pressure	barg	20	20	20	20	20
	psig	290	290	290	290	290
Max. continuous inlet pressure [MASP][2]	barg	10	10	10	10	10
	psig	145	145	145	145	145
Max. continuous outlet pressure [MAWP][6]	barg	250	220	199	179	157
	psig	3625	3190	2886	2596	2277
Speed [3]						
Min. speed[7]	rpm	700	700	700	700	700
Max. speed[5]	rpm	3600	3600	3600	3600	3600
Typical flow at 80 barg - Flow curves available in section 5						
1500 rpm	l/min	2.70	4.32	5.50	7.45	8.86
3000 rpm	l/min	5.64	9.02	11.49	15.47	18.40
1800 rpm	gpm	0.87	1.39	1.76	2.38	2.83
3600 rpm	gpm	1.80	2.88	3.67	4.94	5.87
Typical motor size at 80 barg						
1500 rpm	kW 50Hz	0.75	1.10	1.10	1.50	2.20
1800 rpm	hp 60Hz	0.75	1.50	1.50	3.00	3.00
3000 rpm	kW 50Hz	1.10	1.50	2.20	3.00	3.00
3600 rpm	hp 60Hz	1.50	3.00	3.00	5.00	5.00
Media temperature	°C	95	95	95	95	95
	°F	203	203	203	203	203
Ambient temperature	°C	60	60	60	60	60
	°F	140	140	140	140	140
Sound pressure level [4]	dB(A)	73	73	73	75	75
Weight	kg	6	6	6	6	15
	lbs	13	13	13	13	13

[1] For lower and higher continuous pressure please contact Danfoss High Pressure Pumps.
[2] NPIPr - see section 5.
[3] For lower or higher continuous speed please contact Danfoss High Pressure Pumps.
[4] According to ISO 3744 : 2010.
[5] Over 3000 rpm, the pump operation is referred to as “high end performance”, max. outlet pressure is limited to 140 bar. Recommended inspection intervals are detailed in section 8.
[6] Over 160 barg, the pump operation is referred to as “high end perfomance” and recommended inspection intervals are detailed in section 8.
[7] Minimum speed is 1000 rpm when pumping DI water

4.3 CLP 675-025-058

Pump size		CLP 675-025	CLP 675-035	CLP 675-042	CLP 675-050	CLP 675-058
Geometric displacement	cm^3/rev	9.41	12.14	15.32	17.70	20.54
	in^3/rev	0.57	0.74	0.93	1.08	1.25
Pressure [1]						
Min. continuous outlet pressure	barg	20	20	20	20	20
	psig	290	290	290	290	290
Max. continuous inlet pressure [MASP][2]	barg	10	10	10	10	10
	psig	145	145	145	145	145
Max. continuous outlet pressure [MAWP][6]	barg	175	175	175	171	157
	psig	2538	2538	2538	2480	2277
Speed [3]						
Min. speed	rpm	700	700	700	700	700
Max. speed[5]	rpm	3600	3600	3600	3600	3600
Typical flow at 80 barg - Flow curves available in section 5						
1500 rpm	l/min	12.00	16.09	20.86	24.43	28.69
3000 rpm	l/min	26.11	34.30	43.84	50.98	59.50
1800 rpm	gpm	3.91	5.21	6.73	7.86	9.21
3600 rpm	gpm	8.39	10.98	14.01	16.27	18.97
Typical motor size at 80 barg						
1500 rpm	kW 50Hz	3	3	4	5.5	5.5
1800 rpm	hp 60Hz	5	5	7.5	7.5	10
3000 rpm	kW 50Hz	5.5	7.5	7.5	11	11
3600 rpm	hp 60Hz	7.5	10	15	15	20
Media temperature	°C	95	95	95	95	95
	°F	203	203	203	203	203
Ambient temperature	°C	60	60	60	60	60
	°F	140	140	140	140	140
Sound pressure level [4]	dB(A)	79	79	79	79	79
Weight	kg	16	16	16	16	16
	lbs	35	35	35	35	35

[1] For lower and higher continuous pressure please contact Danfoss High Pressure Pumps.
[2] NPIPr - see section 5.
[3] For lower or higher continuous speed please contact Danfoss High Pressure Pumps.
[4] According to ISO 3744 : 2010.
[5] Over 3000 rpm, the pump operation is referred to as “high end performance”, max. outlet pressure is limited to 140 bar. Recommended inspection intervals are detailed in section 8.
[6] Over 160 barg, the pump operation is referred to as “high end perfomance” and recommended inspection intervals are detailed in section 8.

4.4 CLP D 675-025-058

Pump size		CLP D 675-025	CLP D 675-035	CLP D 675-042	CLP D 675-050	CLP D 675-058
Geometric displacement	cm^3/rev	9.41	12.14	15.32	17.70	20.54
	in^3/rev	0.57	0.74	0.93	1.08	1.25
Pressure [1]						
Min. continuous outlet pressure	barg	20	20	20	20	20
	psig	290	290	290	290	290
Max. continuous inlet pressure [MASP][2]	barg	10	10	10	10	10
	psig	145	145	145	145	145
Max. continuous outlet pressure [MAWP][6]	barg	230	205	186	171	157
	psig	3335	2973	2697	2480	2277
Speed [3]						
Min. speed	rpm	700	700	700	700	700
Max. speed[5]	rpm	3600	3600	3600	3600	3600
Typical flow at 80 barg - Flow curves available in section 5						
1500 rpm	l/min	12.00	16.09	20.86	24.43	28.69
3000 rpm	l/min	26.11	34.30	43.84	50.98	59.50
1800 rpm	gpm	3.91	5.21	6.73	7.86	9.21
3600 rpm	gpm	8.39	10.98	14.01	16.27	18.97
Typical motor size at 80 barg						
1500 rpm	kW 50Hz	3	3	4	5.5	5.5
1800 rpm	hp 60Hz	5	5	7.5	7.5	10
3000 rpm	kW 50Hz	5.5	7.5	7.5	11	11
3600 rpm	hp 60Hz	7.5	10	15	15	20
Media temperature	°C	95	95	95	95	95
	°F	203	203	203	203	203
Ambient temperature	°C	60	60	60	60	60
	°F	140	140	140	140	140
Sound pressure level [4]	dB(A)	79	79	79	79	79
Weight	kg	16	16	16	16	16
	lbs	35	35	35	35	35

[1] For lower and higher continuous pressure please contact Danfoss High Pressure Pumps.
[2] NPIPr - see section 5.
[3] For lower or higher continuous speed please contact Danfoss High Pressure Pumps.
[4] According to ISO 3744 : 2010.
[5] Over 3000 rpm, the pump operation is referred to as “high end performance”, max. outlet pressure is limited to 140 bar. Recommended inspection intervals are detailed in section 8.
[6] Over 160 barg, the pump operation is referred to as “high end perfomance” and recommended inspection intervals are detailed in section 8.

4.5 CLP 675-085-152

Pump size		CLP 675-085	CLP 675-105	CLP 675-115	CLP 675-137	CLP 675-152
Geometric displacement	cm^3/rev	50	63	70	80	90
	in^3/rev	3.05	3.86	4.29	4.88	5.49
Pressure [1]						
Min. continuous outlet pressure	barg	10	10	10	10	10
	psig	145	145	145	145	145
Max. continuous inlet pressure [MASP] [2]	barg	10	10	10	10	10
	psig	145	145	145	145	145
Max. continuous outlet pressure	barg	169	159	151	144	132
	psig	2451	2305	2190	2089	1915
Speed [3]						
Min. speed	rpm	700	700	700	700	700
Max. speed	rpm	1800	1800	1800	1800	1800
Typical flow at 80 barg - Flow curves available in section 5						
1000 rpm	l/min	46	58	65	75	84
1500 rpm	l/min	70	87	97	112	125
1200 rpm	gpm	15	18	21	24	27
1800 rpm	gpm	22	28	31	36	40
Typical motor size at 80 barg						
1500 rpm	kW 50Hz	18.5	18.5	22	30	30
1800 rpm	hp 60Hz	21	21	25	25	35
Media temperature	°C	95	95	95	95	95
	°F	203	203	203	203	203
Ambient temperature	°C	60	60	60	60	60
	°F	140	140	140	140	140
Sound pressure level [4]	dB(A)	80	80	80	80	80
Weight	kg	40	40	40	40	40
	lbs	88	88	88	88	88

[1] For lower and higher continuous pressure please contact Danfoss High Pressure Pumps.
[2] NPIPr - see section 5.
[3] For lower or higher continuous speed please contact Danfoss High Pressure Pumps.
[4] According to ISO 3744 : 2010.

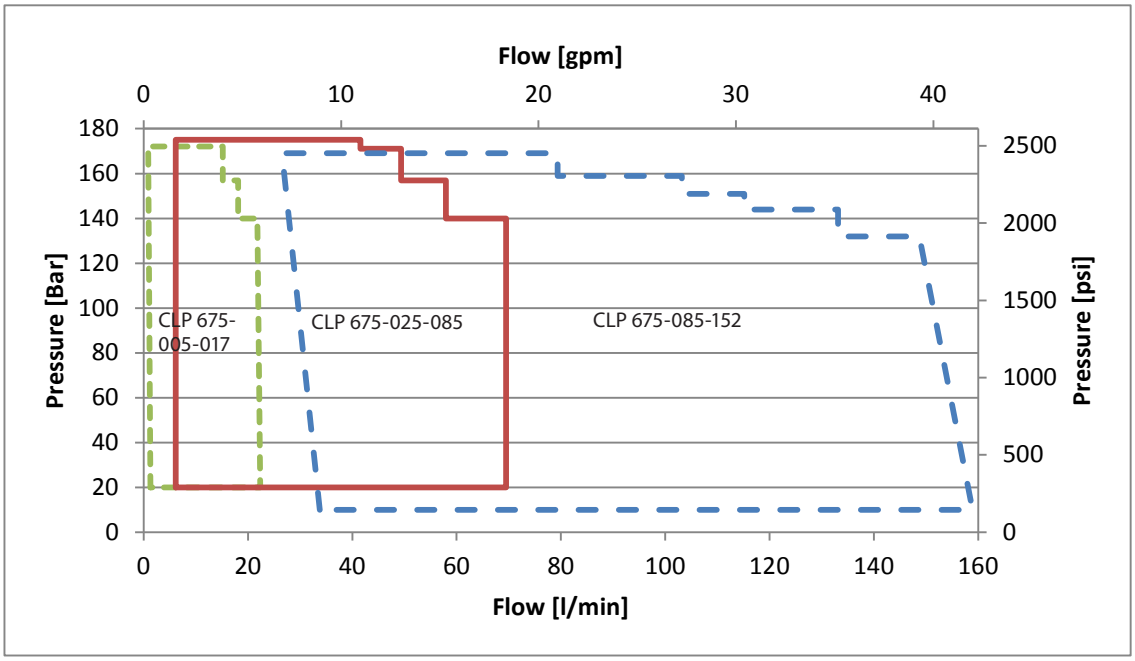
4.6 CLP D 675-085-152

Pump size		CLP D 675-085	CLP D 675-105	CLP D 675-115	CLP D 675-137	CLP D 675-152
Geometric displacement	cm^3/rev	50	63	70	80	90
	in^3/rev	3.05	3.86	4.29	4.88	5.49
Pressure [1]						
Min. continuous outlet pressure	barg	10	10	10	10	10
	psig	145	145	145	145	145
	barg	10	10	10	10	10
	psig	145	145	145	145	145
Max. continuous outlet pressure	barg	177	159	151	144	132
	psig	2567	2305	2190	2089	1915
Speed [3]						
Min. speed	rpm	700	700	700	700	700
Max. speed	rpm	1800	1800	1800	1800	1800
Typical flow at 80 barg - Flow curves available in section 5						
1000 rpm	l/min	46	58	65	75	84
1500 rpm	l/min	70	87	97	112	125
1200 rpm	gpm	15	18	21	24	27
1800 rpm	gpm	22	28	31	36	40
Typical motor size at 80 barg						
1500 rpm	kW 50Hz	18.5	18.5	22	30	30
1800 rpm	hp 60Hz	21	21	25	25	35
Media temperature	°C	95	95	95	95	95
	°F	203	203	203	203	203
Ambient temperature	°C	60	60	60	60	60
	°F	140	140	140	140	140
Sound pressure level [4]	dB(A)	80	80	80	80	80
Weight	kg	40	40	40	40	40
	lbs	88	88	88	88	88

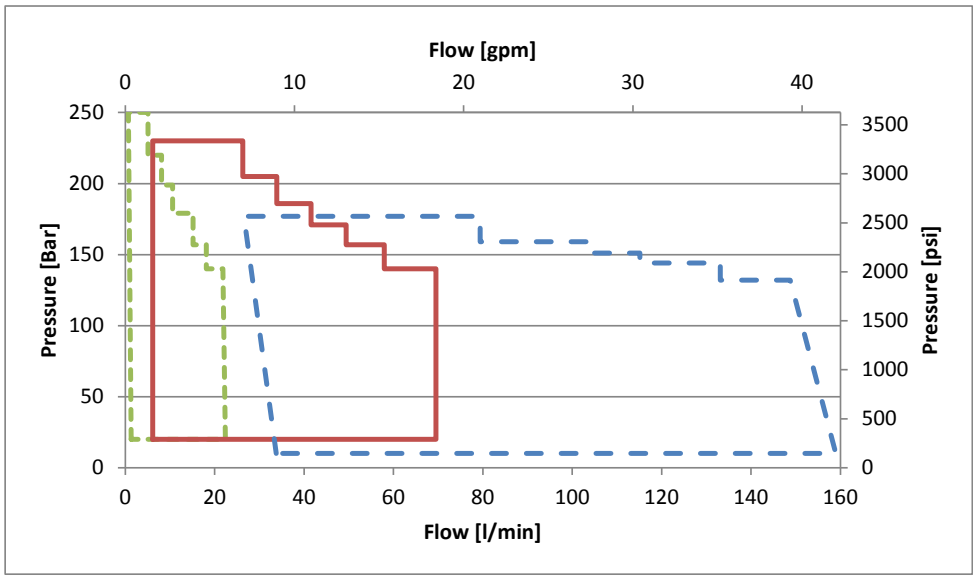
[1] For lower and higher continuous pressure please contact Danfoss High Pressure Pumps.
[2] NPIPr - see section 5.
[3] For lower or higher continuous speed please contact Danfoss High Pressure Pumps.
[4] According to ISO 3744 : 2010.

5. Pressure and flow

Below figure shows the pressure and flow covered by our CLP 675 pump sizes.



Below figure shows the pressure and flow covered by our CLP D 675 pump sizes.

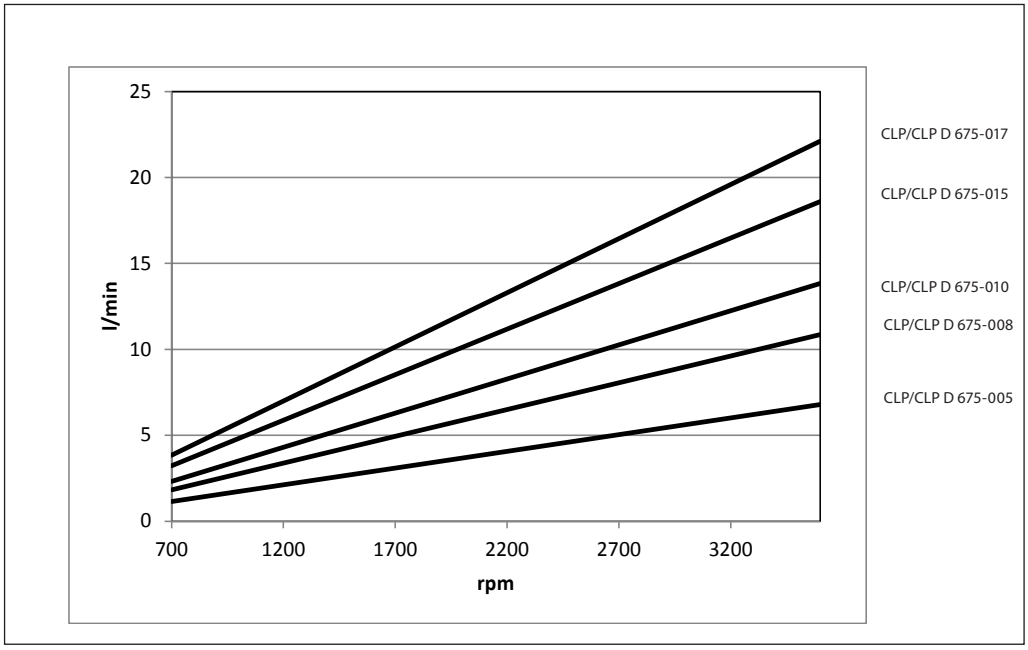


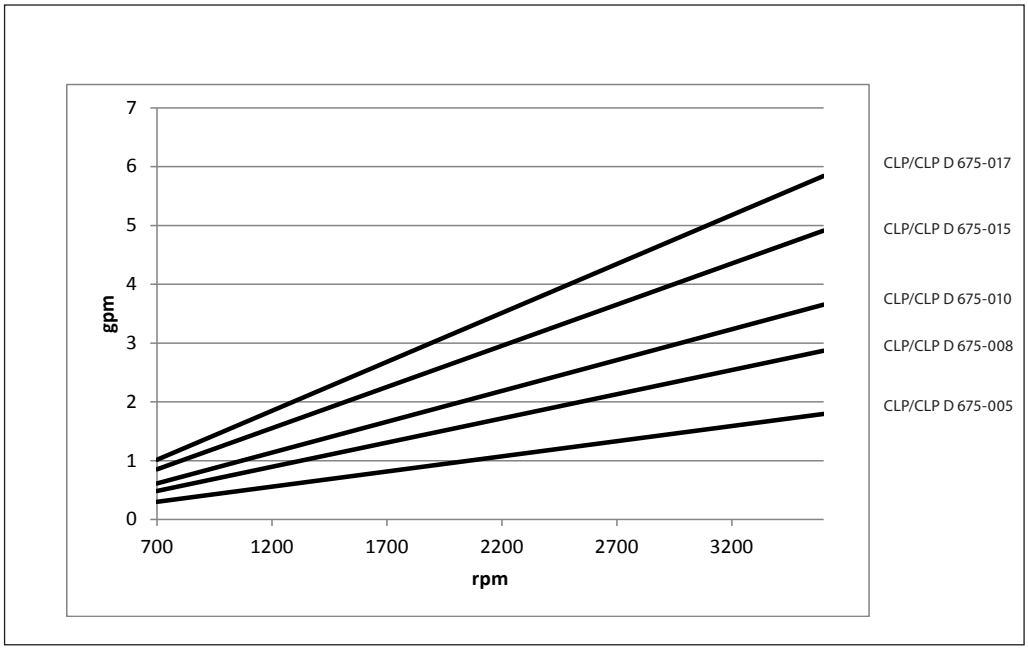
Use the flow curves shown on the next pages to select the pump that fits the application best.

5.1 CLP 675 / CLP D 675- 005-017 typical flow curves at 80 barg (1,160 psig) pressure

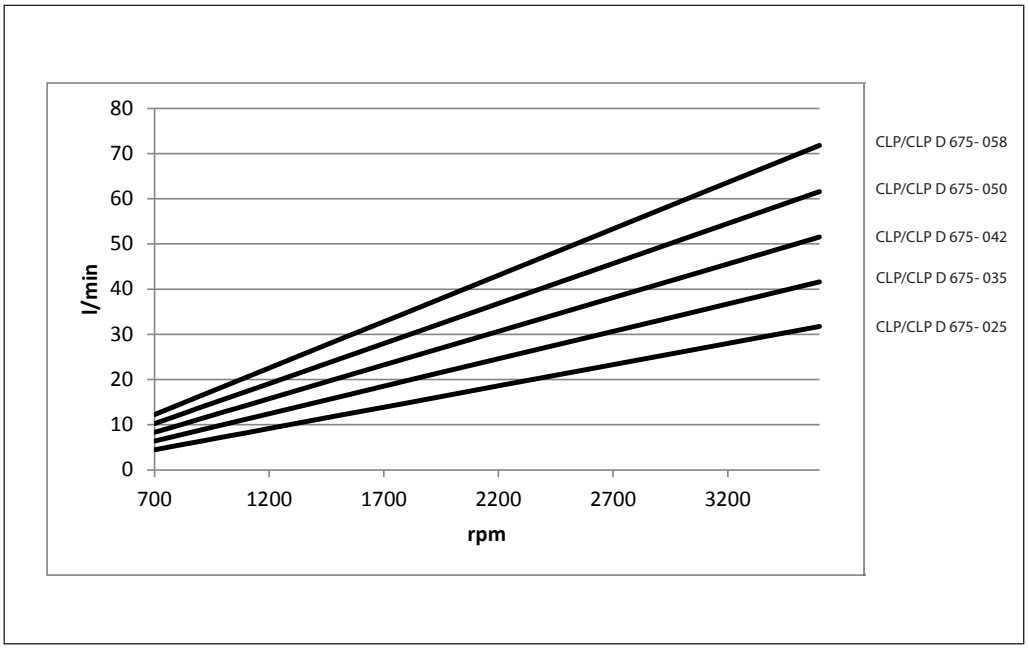
The curves below show that the flow can be changed by changing the speed of the pump. The flow/rpm ratio is constant, and the 'desired' flow can be obtained by changing the speed to a corresponding value. Thus, the required rpm can be determined as:

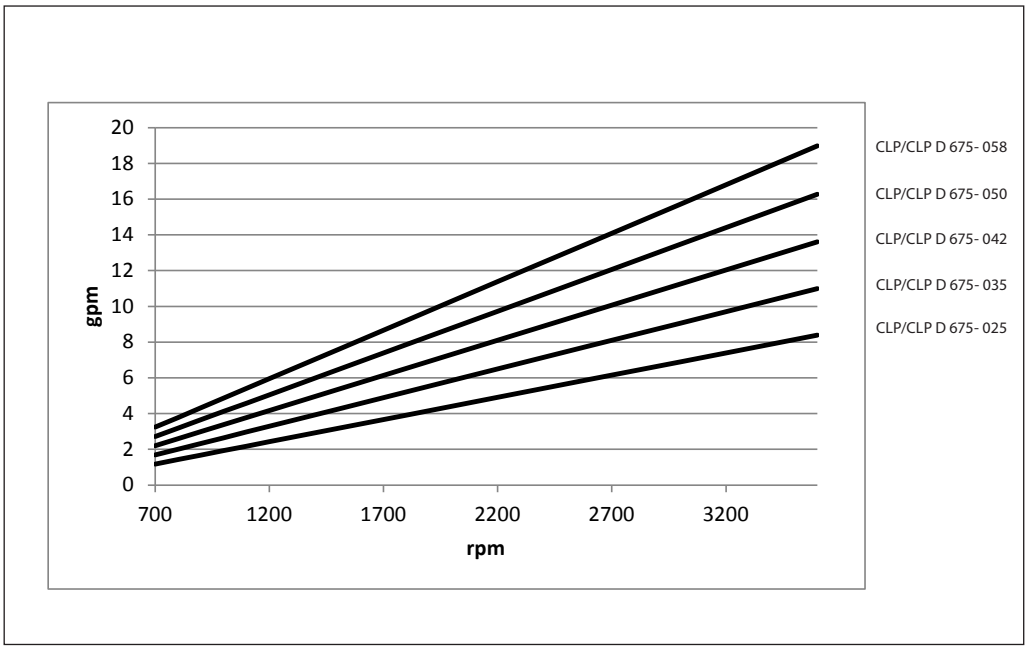
$$\text{Required rpm} = \frac{\text{Desired flow x Rated rpm}}{\text{Rated flow}}$$



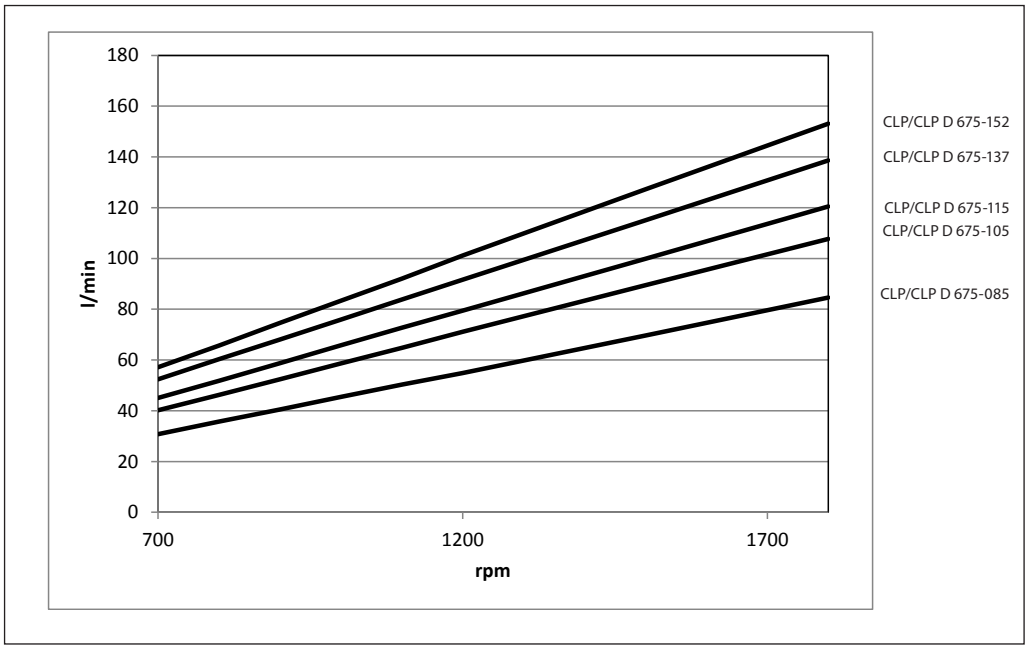


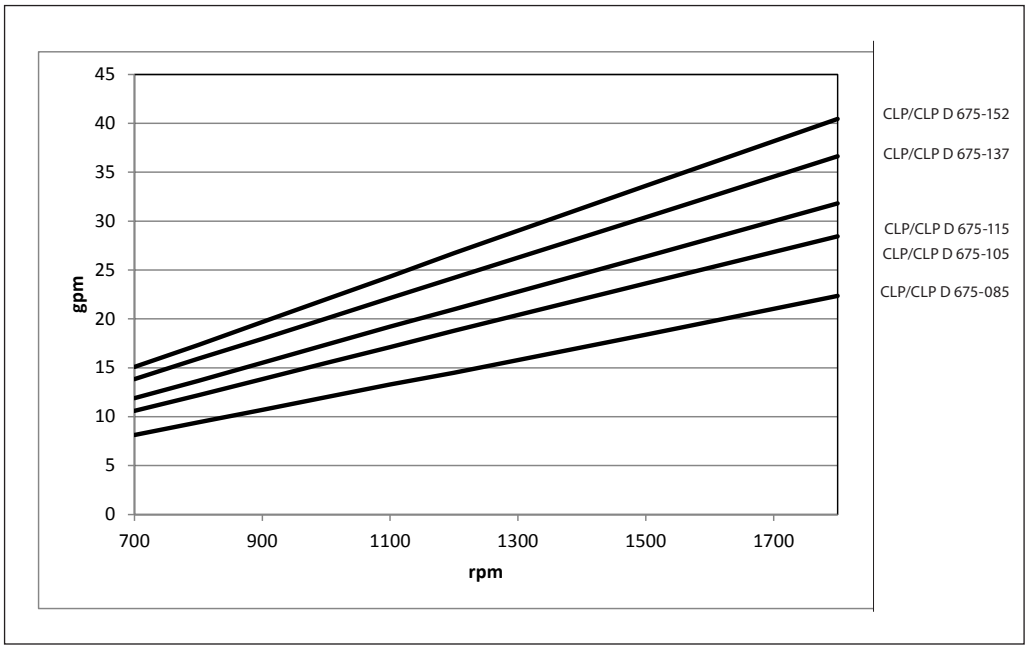
5.2 CLP 675 / CLP D 675- 025-058 typical flow curves at 80 barg (1,160 psig) pressure





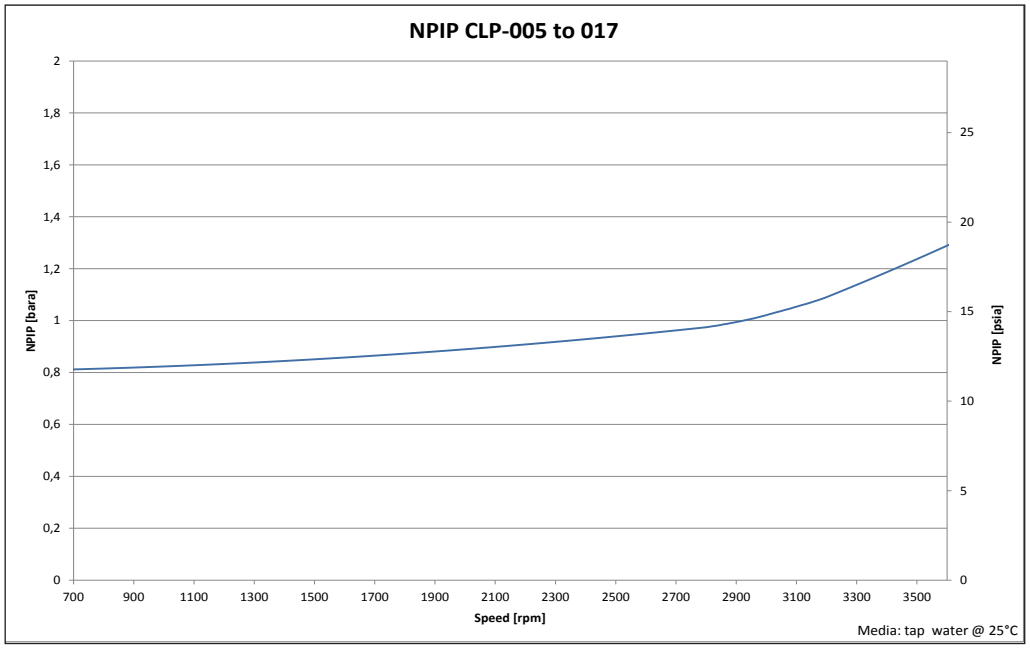
5.3 CLP 675 / CLP D 675- 085-152 typical flow curves at 80 barg (1,160 psig) pressure

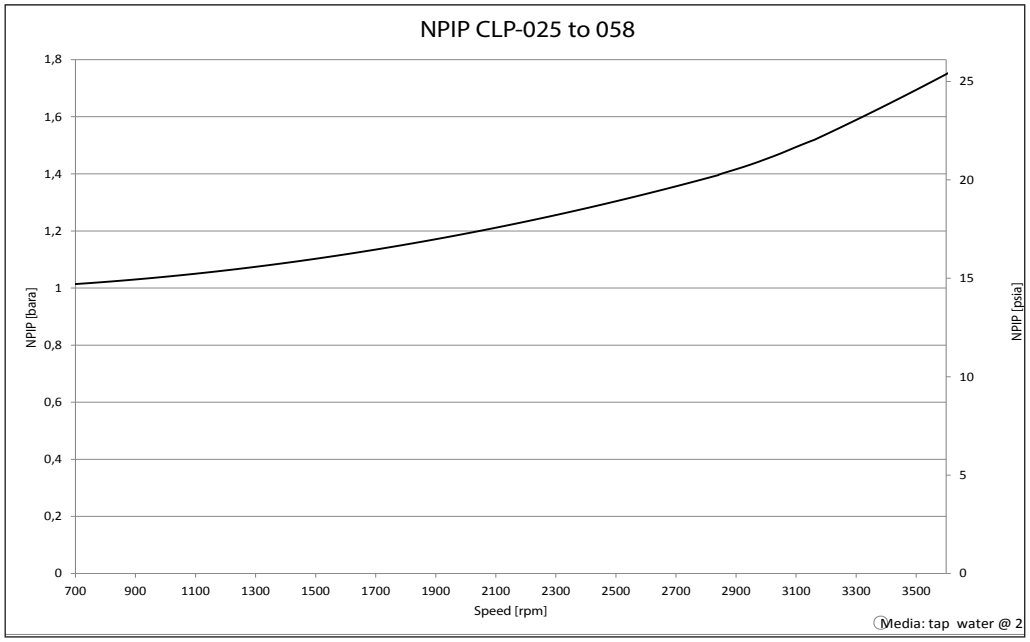


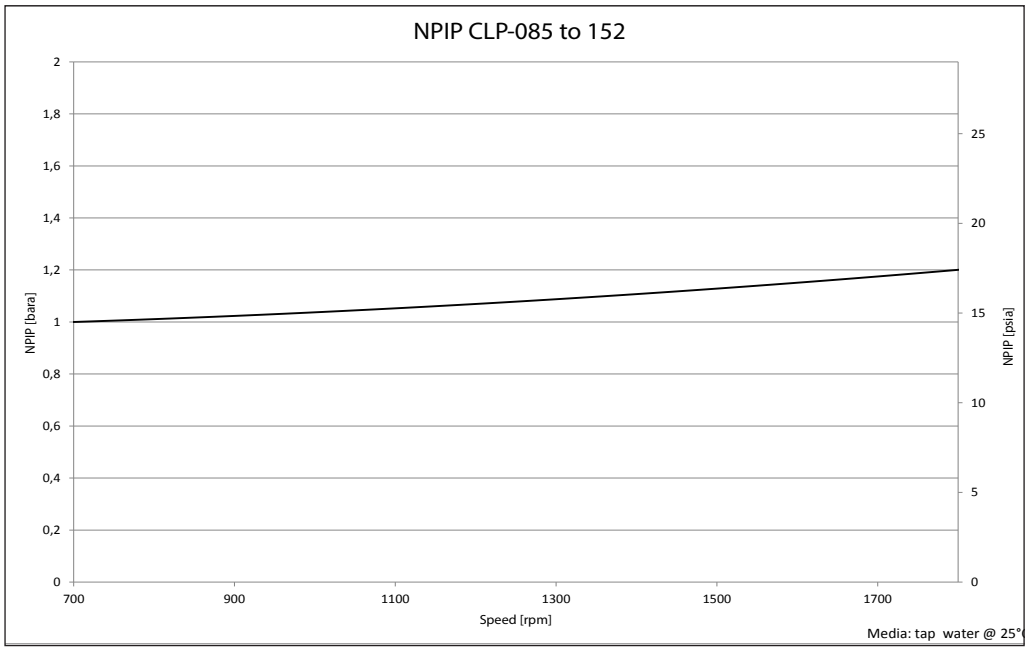


5.4 CLP 675 / CLP D 675-005-152 typical NPIPr curves

NPIPr depends on the speed of the CLP pump.
The curves are based on water.






NPIP CLP-085 to 152
NPIP [bara]
2
1,8
1,6
1,4
1,2
1
0,8
0,6
0,4
0,2
0
NPIP [psia]
25
20
15
10
5
0
700
900
1100
1300
1500
1700
Speed [rpm]
Media: tap water @ 25°

6. Motor requirements

The required motor power can be calculated by using the following equation:

$$P = \frac{n \times V \times p}{600.000 \times \eta}$$

P:	Power (kW)
M:	Torque (Nm)
η:	Mechanical efficiency
p:	Pressure (barg)
n:	Motor speed (rpm)
V:	Displacement (cm^3/rev.)

From the flow curves in section 5, you can determine the rpm of the pump at the desired flow.

The required torque is calculated as follows:

$$M = \frac{V \times p}{62.8 \times \eta}$$

To determine the correct motor size, both the power and torque requirement must be verified.

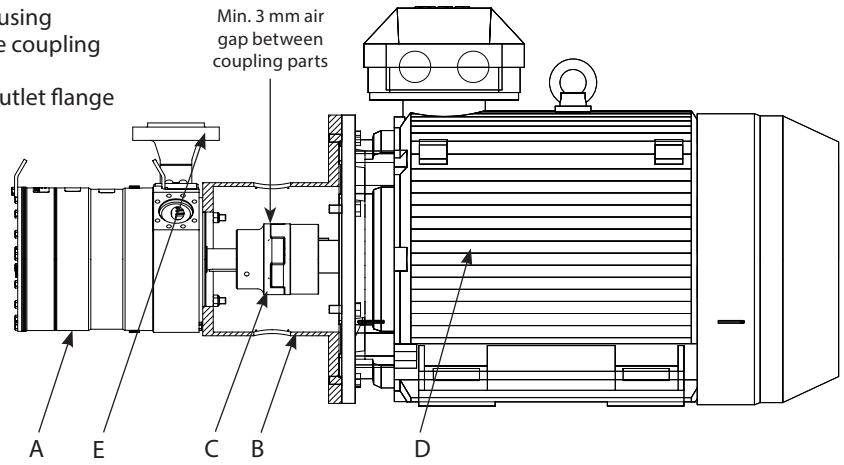
Indication of the mechanical efficiency of the pump at 80 barg

CLP 675/CLP D 675-005-017 @ 3,000 rpm	0.86
CLP 675/CLP D 675-025-058 @ 3,000 rpm	0.92
CLP 675/CLP D 675-085-152 @ 1,800 rpm	0.91

7. Installation

The figure below illustrates how to mount the pump and connect it to electric motor/combustion engine.

A: Pump
B: Bell housing
C: Flexible coupling
D: Motor
E: Inlet/Outlet flange



7.1 Filtration

As many chemicals have very low viscosity, the CLP pumps have been designed with very narrow clearance in order to control internal leakage rates and improve component performance. Therefore it is important that the inlet liquid is filtered properly to minimize the wear of the pump.

The main filter must have a filtration efficiency of 99.98% at 10 µm. We recommend that you use precision depth filter cartridges rated 10 µm abs. $\beta_{10} \geq 5000$ (equivalent to a filtration efficiency of 99.98%). Bag filters and string wound filter cartridges typically have only 90% filtration efficiency. This means that for each 100,000 particles reaching the filter, 10,000 particles pass through it compared to only 20 particles in a filter with an efficiency of 99.98%.

For more information on the importance of proper filtration, please consult our publication "Filtration" (code number 521B1009), which also will provide you with an explanation of filtration definitions and a guidance on how to select the right filter.

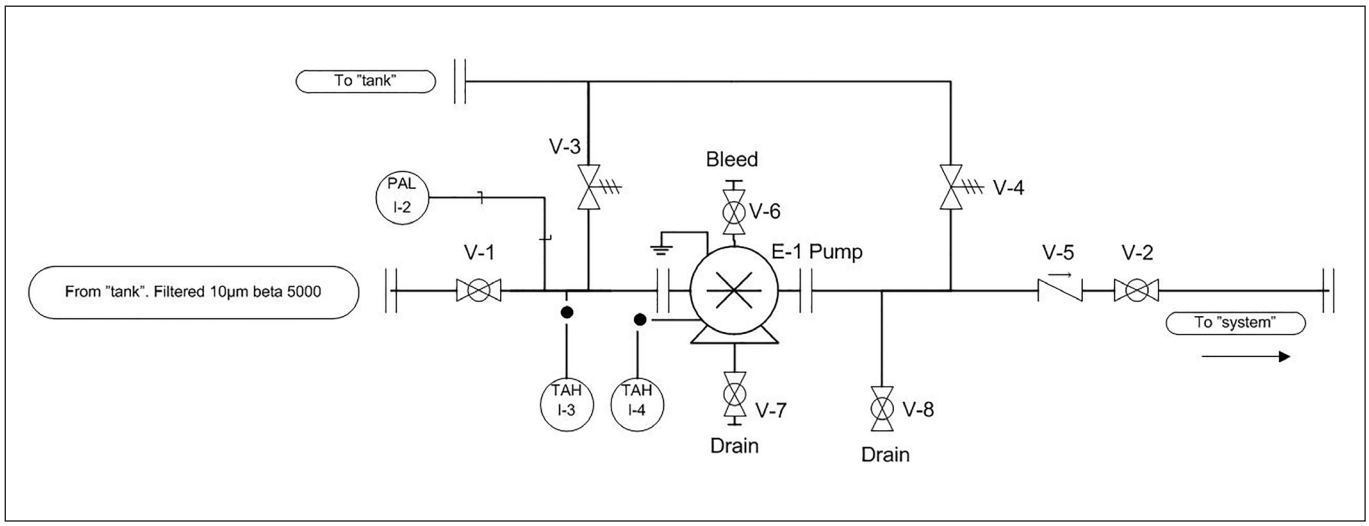
7.2 Noise

Since the pump unit is mounted on a frame, the overall noise level can only be determined for a complete system. To minimize vibrations and noise throughout the system, it is therefore very important to mount the pump unit correctly on a frame with dampeners and to use flexible hoses rather than metal pipes where possible.

The noise level is influenced by:

- **Pump speed:**
  High rpm makes more fluid/structure- borne pulsations/vibrations than low rpm.
  Discharge pressure:
  High pressures make more noise than low pressures.
- **Pump mounting:**
  Rigid mounting makes more noise than flexible mounting because of the structure-borne vibrations. Be sure to use dampeners when mounting.
- **Connections to pump:**
  Pipes connected directly to the pump make more noise than flexible hoses because of structure-borne vibrations.
- **Variable frequency drives (VFDs):**
  Motors regulated by VFDs can produce more noise if the VFD does not have the right settings.

7.3 Preferred design



Purpose of valve "V-1" and "V-2":
Isolation valves, which make it possible to drain the pump before servicing.

Purpose of valve "V-3"
Safety/relief valve, this valve must protect the pump against too high inlet pressure. Too high inlet pressure can be caused by:

- The pump is rotating in the wrong direction.
- A situation where valve V-1 is closed, valve V-2 is open and V-5 is leaking.

Purpose of valve "V-4":
Safety/relief valve, this valve must protect the pump against too high outlet pressure. Too high outlet pressure can be caused by:

- A situation where V-2 is closed.
- Check valve V-5 has been mounted in the wrong direction.

The V-4 setting has to be 10% above the maximum system pressure. The electric motor must be designed for this pressure.

Purpose of "V-5":
Check valve, this valve prevents the flow from running reverse into the pump when connected to a multipump system.

Purpose of "V-6":
Bleed valve, this valve removes air from the pump and pipes.

Purpose of "V-7" and "V-8":
Drain valves, those valves help to empty the pump and pipes for fluid prior to service.

Purpose of "PAL":
Pressure alarm low, this projects the pump from running dry.

Purpose of "TAH 1-3":
Temperature alarm high, this protects the pump from too high inlet media temperature.

Purpose of "TAH 1-4":
Temperature alarm high, this protects the pump from running hot due to over pressure or the pump running dry.

8. Service

Danfoss CLP pumps are designed for long periods of service-free operation to ensure low maintenance and life cycle costs. Provided that the pump is installed and operated according to Danfoss specifications, Danfoss CLP pumps typically run 1 year between service. However, the service schedule for your Danfoss CLP pump may vary according to the application and other factors.

The life of a pump may be greatly shortened if Danfoss recommendations concerning system design and operation are not followed.

In our experience, poor filtration is the number one cause of pump damage.

Other factors that affect pump performance and lifetime include:

- running the pump at speeds outside specifications.
- supplying the pump with fluid at temperatures higher than recommended.
- running the pump at inlet pressures outside specifications.
- running the pump at outlet pressures outside the specifications.

We recommend that you inspect your pump after 1 year of operation even if it is running without any noticeable problems. Replace any worn parts if necessary, including pistons and shaft seals, to keep your pump running efficiently and to prevent breakdown. If worn parts are not replaced, then our guidelines recommend more frequent inspection.

If your pump is running continuously under "high end performance" conditions we recommend that you inspect your pump after half a year of operation, replacing worn parts if necessary.

8.1 Spare parts

The following spare parts kits are available for the CLP pumps.

Seal and screw set
Shaft seal set
Cylinder barrel
Valve plate set
Retainer set
Piston set

8.2 Spare part suitcase

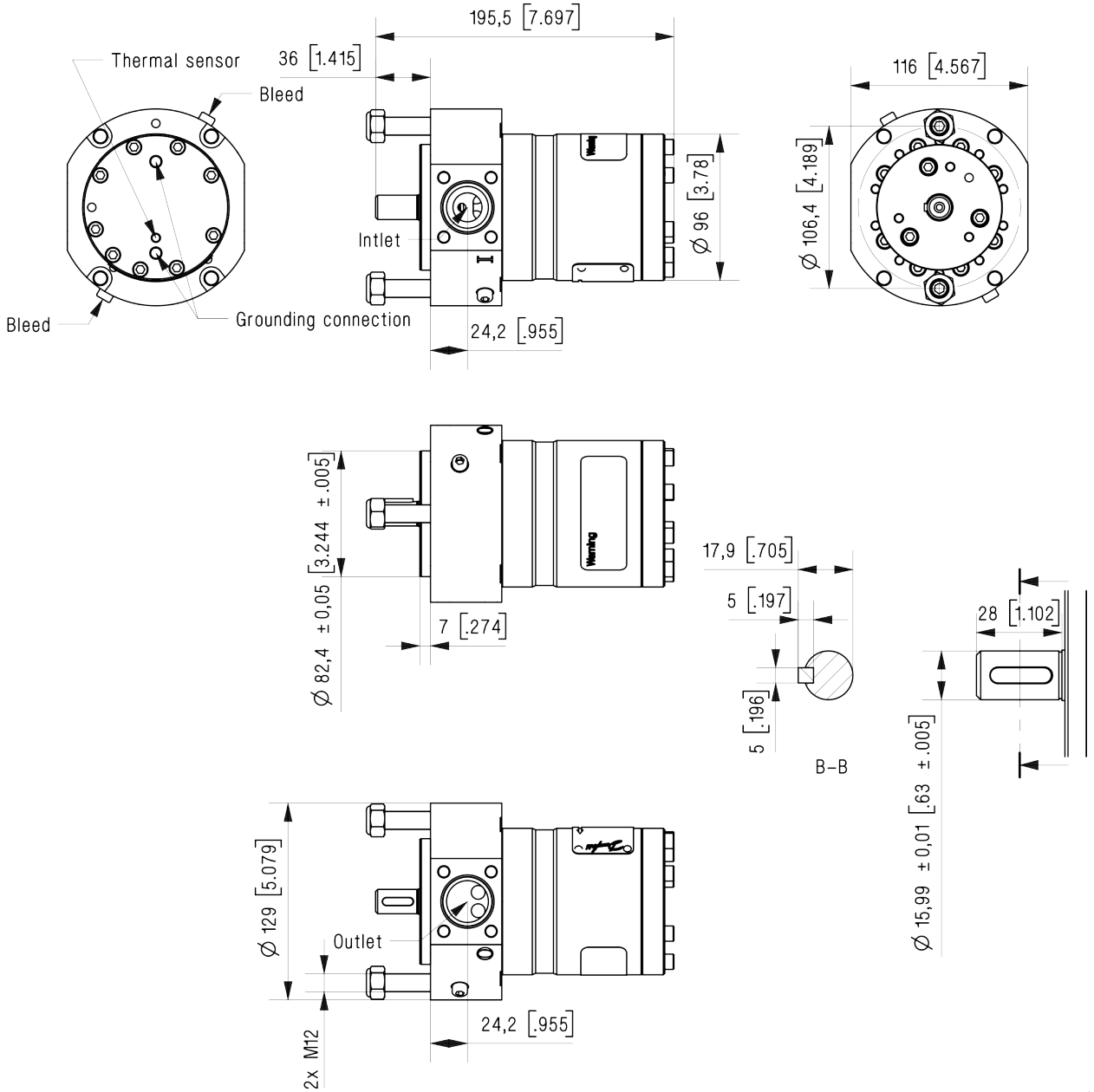
Danfoss High Pressure Pumps can provide a spare part suitcase containing all necessary parts and instructions for overhaul of CLP pumps.

The suitcase can at any time be returned for refill of consumed parts.

Contact Danfoss High Pressure Pumps for price and availability of the spare part suitcase.

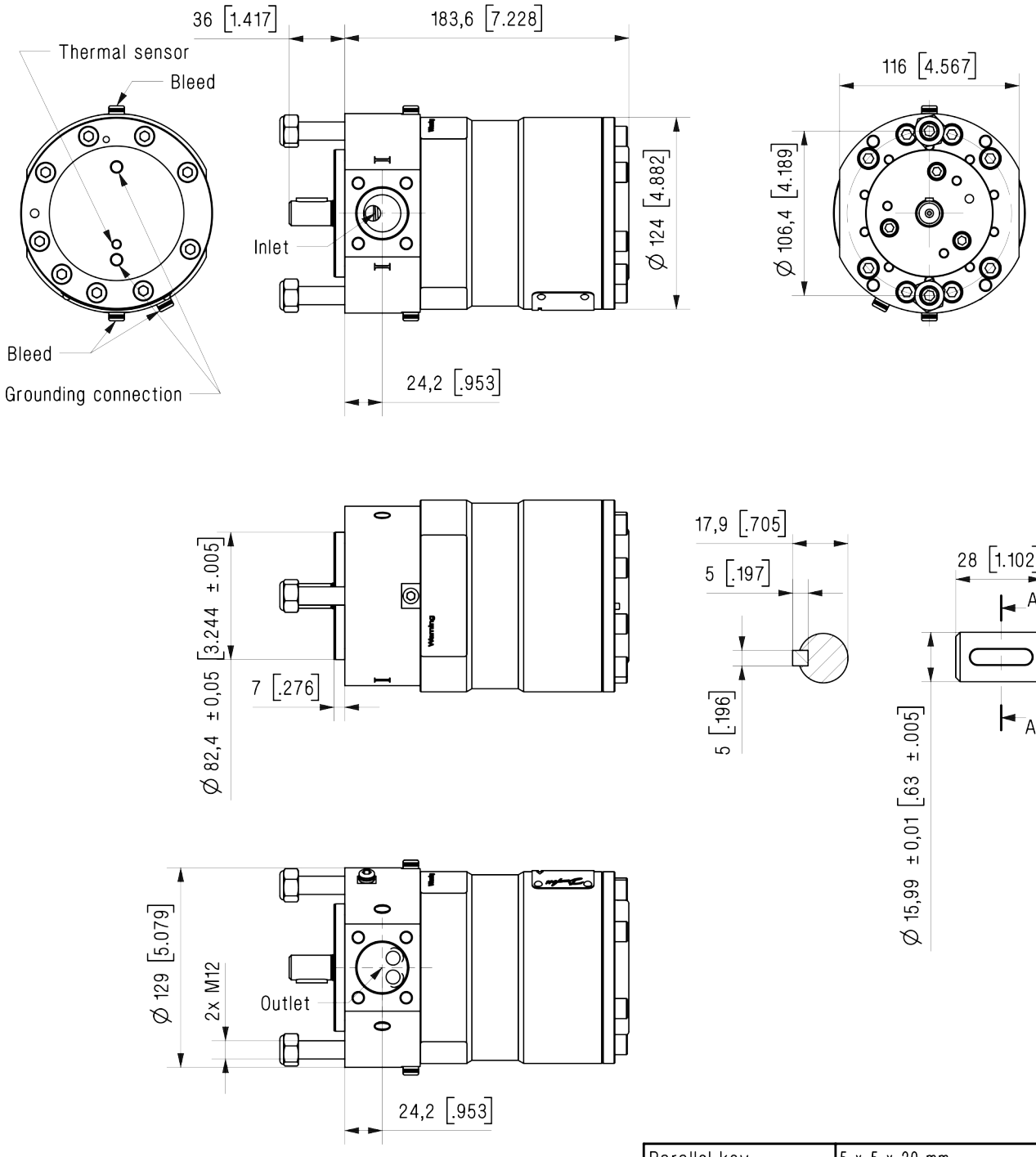
9. Dimensions and connections

9.1 CLP 675 / CLP D 675-005-017



Parallel key DIN 685	5 x 5 x 20 mm 0.197 x 0.197 x 0.787
Bleed	M6; int. hex. key, 5 mm
Inlet port	3/4 inch
Outlet port	3/4 inch
Grounding connection	M8, depth 10 mm
Thermal sensor	M6, depth 10 mm

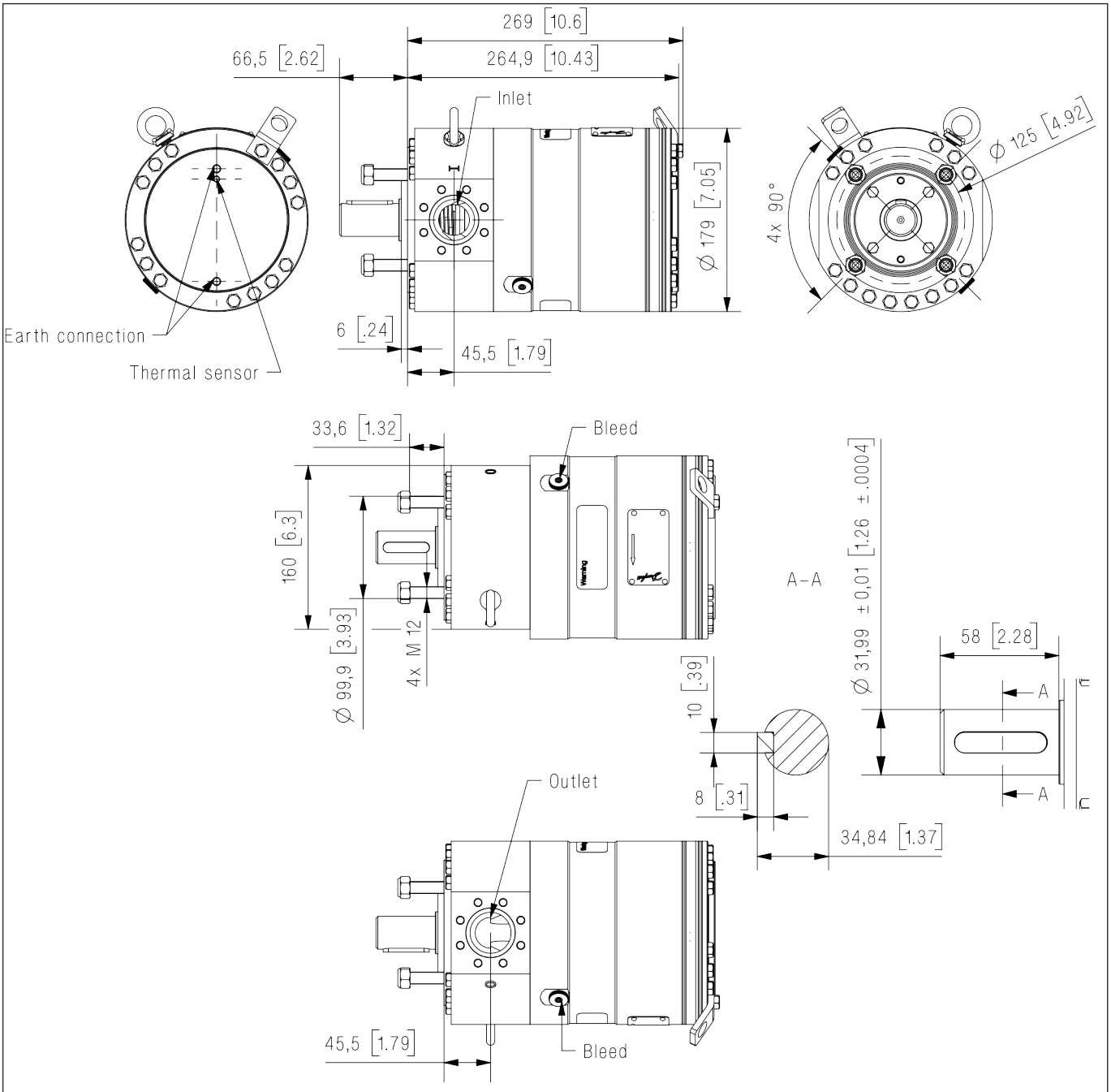
9.2 CLP 675 / CLP D 675-025-058



Parallel key DIN 6885	5 x 5 x 20 mm 0.197 x 0.197 x 0.787 inch
Bleed	M6; int. hex. key, 5 mm
Inlet port	3/4 inch
Outlet port	3/4 inch
Grounding connection	M8, depth 10 mm
Thermal sensor	M6, depth 10 mm

Dimensions without tolerances acc. to ISO 2768–1 designation C.

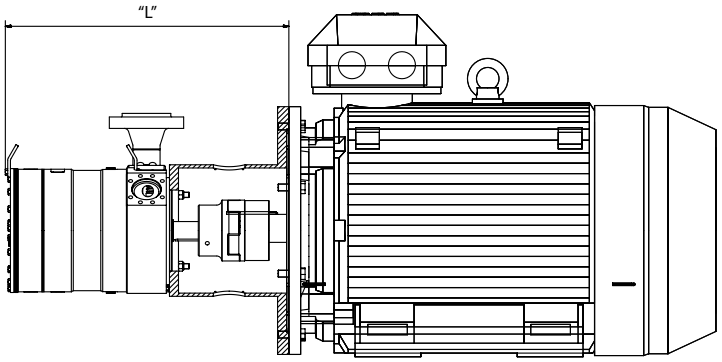
9.3 CLP 675 / CLP D 675-085-152



Parallel key. DIN 6885	10 x 8 x 45 mm 0.39 x 0.31 x 1.77 inch
Bleed	G 1/4"; hex key 6 mm
Inlet port	1 1/2 inc.
Outlet port	1 1/2 inc.
Earth connection	2 x M8, depth 11 mm
Thermal sensor	M6, depth 11 mm

Dimensions without tolerances acc. to ISO 2768–1 designation C.

10. Pump and bell-housing

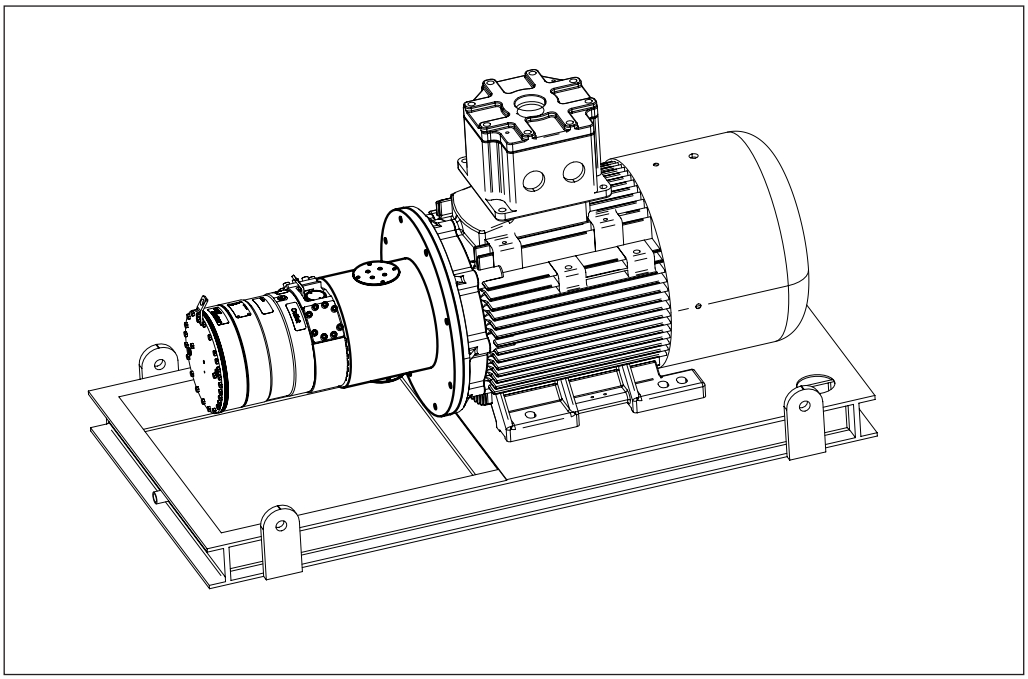


Pump type	Motor size	ICE size	Length 'L' [mm]	Length 'L' [in]
CLP / CLP D 675-005-017	0,75 kW	80	254,5	10,0
CLP / CLP D 675-005-017	1,1 kW	90S	259,5	10,2
CLP / CLP D 675-005-017	1,5 kW	90L	259,5	10,2
CLP / CLP D 675-005-017	2,2 kW	100L	279,5	11,0
CLP / CLP D 675-005-017	3 kW	100L	279,5	11,0
CLP / CLP D 675-025-058	3 kW	100L	302	11,9
CLP / CLP D 675-025-058	4 kW	112M	302	11,9
CLP / CLP D 675-025-058	5,5 kW	132S	327	12,9
CLP / CLP D 675-025-058	7,5 kW	132S	327	12,9
CLP / CLP D 675-025-058	11 kW	160M	371	14,6
CLP 675 / CLP D 675-085-152	7,5 kW	132M	437	17.2
CLP 675 / CLP D 675-085-152	15 kW	160L	473	18.6
CLP 675 / CLP D 675-085-152	30 kW	200L	473	18.6
CLP 675 / CLP D 675-085-152	55 kW	250M	517	20.4

11. Pump base plate solution

Danfoss High Pressure Pumps can provide a standard baseplate for all standard motor pump units. Custom made baseplates are available on request.

Contact Danfoss High Pressure Pumps for price and leadtime.



ENGINEERING
TOMORROW

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