



6.5 MULTIPLE PUMPS CONTENTS

PGE104

| | |
|------------------------------|--|
| Ordering Code | 6.5.1 External Gear Pump |
| Technical Information | 6.5.2 Specifications 6.5.3 Hydraulic fluids 6.5.4 Viscosity range 6.5.5 Temperature range 6.5.6 Seals 6.5.7 Filtration 6.5.8 General notes 6.5.9 Max. drive and through drive torques 6.5.10 Pressure restrictions for through drive pumps 6.5.11 Installation notes |
| Dimensions | 6.5.12 Drive shafts for front pump size 1 6.5.13 Drive shafts for front pump size 2 6.5.14 Drive shafts for front pump size 3 6.5.15 Mounting flange for front pump size 1 6.5.16 Mounting flange for front pump size 2 6.5.17 Mounting flange for front pump size 3 6.5.18 Ports |
| Preferred series | 6.5.19 Double pump size 1 6.5.20 Triple pump size 1 6.5.21 Double pump size 2 6.5.22 Triple pump size 2 6.5.23 Double pump size 2 / size 1 6.5.24 Triple pump size 2 / size 2 / size 1 6.5.25 Triple pump size 2 / size 1 / size 1 6.5.26 Double pump size 3 6.5.27 Triple pump size 3 6.5.28 Double pump size 3 / size 2 6.5.29 Triple pump size 3 / size 3 / size 2 6.5.30 Triple pump size 3 / size 2 / size 2 6.5.31 Double pump size 3 / size 1 6.5.32 Triple pump size 3 / size 1 / size 1 6.5.33 Triple pump size 3 / size 2 / size 1 |

ORDERING CODE

6.5.1 External Gear Pump

PGE104 – 1000 / 1000 / 1000 – R B R 1 / 1 / 1 – N – XXXX

External gear pump

Displacement

| | Stage 1 | Stage 2 | Stage 3 |
|--------|---------|---------|---------|
| Size 1 | 100 | 100 | 100 |
| | 125 | 125 | 125 |
| | 160 | 160 | 160 |
| | 200 | 200 | 200 |
| | 250 | 250 | 250 |
| | 315 | 315 | 315 |
| | 365 | 365 | 365 |
| | 420 | 420 | 420 |
| | 500 | 500 | 500 |
| | 610 | 610 | 610 |
| 740 | 740 | 740 | |
| Size 2 | 450 | 450 | 450 |
| | 630 | 630 | 630 |
| | 820 | 820 | 820 |
| | 1000 | 1000 | 1000 |
| | 1130 | 1130 | 1130 |
| | 1200 | 1200 | 1200 |
| | 1400 / | 1400 / | 1400 |
| | 1500 | 1500 | 1500 |
| | 1600 | 1600 | 1600 |
| | 1900 | 1900 | 1900 |
| 2200 | 2200 | 2200 | |
| 2500 | 2500 | 2500 | |
| Size 3 | 2000 | 2000 | 2000 |
| | 2250 | 2250 | 2250 |
| | 2500 | 2500 | 2500 |
| | 2800 | 2800 | 2800 |
| | 3200 | 3200 | 3200 |
| | 3600 | 3600 | 3600 |
| | 4200 | 4200 | 4200 |
| | 4600 | 4600 | 4600 |
| | 5000 | 5000 | 5000 |
| | 5500 | 5500 | 5500 |
| 6000 | 6000 | 6000 | |

Shaft rotation (viewed from shaft end)

- R Clockwise
- L Anti-clockwise

Shaft

- A Tapered keyed shaft 1:5
- B Tapered keyed shaft 1:8
- E Splined shaft SAE A - J 744 16-4 9T (only for front pump size 2)
- F Splined shaft SAE B - J 744 22-4 13T (only for front pump size 3)

PGE104 – 1000 / 1000 / 1000 – R B R 1 / 1 / 1 – N – XXXX

Mounting flange

- L 2-hole mounting, centering Ø 32 mm (only for front pump size 1)
- Q Square flange, centering Ø 25.4 mm (only for front pump size 1)
- N 2-hole mounting, centering Ø 50 mm (only for front pump size 2)
- R Square flange, centering Ø 36.5 mm (only for front pump size 2)
- T Square flange, centering Ø 80 mm (only for front pump size 2)
- W SAE J 744 82-2 A Ø 82.55 mm (only for front pump size 2)
- S Square flange, centering Ø 50.8 mm (only for front pump size 3)
- V Square flange, centering Ø 105 mm (only for front pump size 3)
- X SAE J 744 101-2 B Ø 101.6 mm (only for front pump size 3)

Ports

- 1 Pipe thread ISO 228-1
- 2 Metric thread DIN 3852-1
- 3 Thread UN 2B SAE O-ring boss
- 4 Square flange (Italian design)
- 5 Square flange DIN 3901/ ISO 8435
- 7 SAE flange with metric threads (only for size 3)
- 8 SAE flange with UNC threads (only for size 3)
- 9 Special ports (only on request)

Seals

- N NBR
- V FPM

Modification number

XXXX Determined by manufacturer

**Not all options in the ordering code are possible.
Only combinations of the same size or in descending order are possible.
Please refer to 6.5.19 ff - Preferred series, or consult HYDAC.
Special options are possible on request.**

TECHNICAL INFORMATION

6.5.2 Specifications

| Single pump Size 1 | | 100 | 125 | 160 | 200 | 250 | 315 | 365 | 420 | 500 | 610 | 740 |
|-------------------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Geometric displacement | [cm ³ /rev] | 1 | 1.25 | 1.6 | 2 | 2.5 | 3.15 | 3.65 | 4.2 | 5 | 6.1 | 7.4 |
| Pressure | Rated | 250 | | | | | | | | | 200 | 170 |
| | Peak | 300 | | | | | | | | | 230 | 200 |
| Drive speed | Min. | 750 | | | | | | | | | | |
| | Max. | 3500 | | | | | | | | 3000 | 2500 | |
| Approx. weight | [kg] | 1 | 1.02 | 1.04 | 1.05 | 1.07 | 1.11 | 1.14 | 1.18 | 1.25 | 1.3 | 1.37 |

| Single pump Size 2 | | 450 | 630 | 820 | 1000 | 1130 | 1200 | 1400 | 1500 | 1600 | 1900 | 2200 | 2500 |
|-------------------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Geometric displacement | [cm ³ /rev] | 4.5 | 6.3 | 8.2 | 10 | 11.3 | 12 | 14 | 15 | 16 | 19 | 22 | 25 |
| Pressure | Rated | 250 | | | | | | | | | 200 | 180 | 160 |
| | Peak | 300 | | | | | | 280 | | | 230 | 210 | 150 |
| Drive speed | Min. | 750 | | | | | | | | | | | |
| | Max. | 3500 | | | | | | | 2500 | | | 2000 | |
| Approx. weight | [kg] | 3.34 | 3.36 | 3.37 | 3.57 | 3.62 | 3.64 | 3.78 | 4.16 | 4.2 | 4.32 | 4.44 | 4.56 |

| Single pump Size 3 | | 2000 | 2250 | 2500 | 2800 | 3200 | 3600 | 4200 | 4600 | 5000 | 5500 | 6000 |
|-------------------------------|------------------------|------|------|------|------|------|------|------|------|------|------|-------|
| Geometric displacement | [cm ³ /rev] | 20 | 22.5 | 25 | 28 | 32 | 36 | 42 | 46 | 50 | 55 | 60 |
| Pressure | Rated | 250 | | | | | 240 | 230 | 210 | 185 | 165 | 150 |
| | Peak | 300 | | | | | 280 | 270 | 250 | 230 | 200 | 180 |
| Drive speed | Min. | 750 | | | | | | | | | | |
| | Max. | 3000 | | | | | | 2800 | 2500 | 2300 | 2100 | 1750 |
| Approx. weight | [kg] | 7.83 | 8.0 | 8.16 | 8.34 | 8.78 | 8.99 | 9.25 | 9.47 | 9.60 | 9.85 | 10.10 |

The continuous and maximum pressures given here only apply to pumps with flange ports. If threaded ports are required, the performance will be reduced. To find out whether a pump with threaded ports can be used in a high pressure application, please contact HYDAC.

6.5.3 Hydraulic fluids

The pump series is designed for use with

HL Hydraulic oil
(normal mineral oil)
and

HLP Hydraulic oils of the R&O type
(Rust and Oxidation inhibitor)

6.5.4 Viscosity range

Normal operating viscosity:
16 - 200 cSt (mm²/s)

For other viscosity ranges, please contact HYDAC.

6.5.5 Temperature range

Ambient temperature range
-22 to 55 °C

Fluid temperature range

NBR
-25 to 85 °C

Viton
-15 to 90 °C

6.5.6 Seals

The pump series is equipped with NBR seals.

If special hydraulic fluids are used, the seal material must be changed if required. Please contact HYDAC.

6.5.7 Filtration

For maximum service life of the pump and system components, the system should be protected from contamination by effective filtration.

Cleanliness class:

21/ 18/ 15 to ISO 4406:1999

or

Class 9 to NAS 1638 or cleaner.

At system pressures above 160 bar cleanliness class:

19/17/14 to ISO 4406:1999

or

Class 8 to NAS 1638 is required.

6.5.8 General notes

Gear pumps can be combined to form double or triple units (for larger units please contact HYDAC). Generally, the specifications for single pumps apply, but the following must be observed:

- Only pumps of the same size or in decreasing order of size can be combined.
- It is recommended that the pump with the largest displacement is used as the front pump.
- The maximum speed of the multiple unit is limited to that of the individual stage with the lowest speed.
- The maximum pressure of the pump unit or the individual stages is determined by the maximum drive and through drive torques (see point 6.5.9).

6.5.9 Max. drive and through drive torques

| Size | Drive shaft | Max. drive torque | Max. through drive torque | | |
|------|---------------|-------------------|---------------------------|-----------------------|-----------------------|
| | | | Secondary pump Size 1 | Secondary pump Size 2 | Secondary pump Size 3 |
| 1 | Tapered 1 : 5 | 30 Nm | 30 Nm | | |
| | Tapered 1 : 8 | 30 Nm | | | |
| 2 | Tapered 1 : 5 | 193 Nm | 30 Nm | 65 Nm | |
| | Tapered 1 : 8 | 198 Nm | | | |
| | Splined SAE A | 86 Nm | | | |
| 3 | Tapered 1 : 5 | 301 Nm | 30 Nm | 65 Nm | 228 Nm |
| | Tapered 1 : 8 | 218 Nm | | | |
| | Splined SAE B | 272 Nm | | | |

The resulting torque can be calculated by the following formula:

$$M_{\max} = \frac{\Delta p_1 \cdot V_1}{20 \cdot \pi \cdot \eta_{mh}} + \frac{\Delta p_2 \cdot V_2}{20 \cdot \pi \cdot \eta_{mh}} + \frac{\Delta p_3 \cdot V_3}{20 \cdot \pi \cdot \eta_{mh}}$$

Efficiency $\eta_{mh} \approx 0.8 - 0.9$

6.5.10 Pressure restrictions for through drive pumps

There is a pressure restriction at maximum pressure for the secondary and any further pumps due to the maximum permitted through drive torque.

| Size | Displacement [cm ³ /rev] | Peak pressure [bar] |
|------|-------------------------------------|---------------------|
| 2 | 16 | 220 |
| | 19 | 190 |
| | 22 | 160 |
| | 25 | 130 |

6.5.11 Installation notes

The pump can be installed horizontally or vertically with the shaft at the top. If the pump is installed on the tank or above the oil level, the distance between the pump inlet and the oil level should not exceed 1 metre.

When installing a HYDAC pump always ensure that the fluid remains in the pump during stoppages.

B. Suction line

If the pump is installed above the oil level, particular attention must be paid to the suction pressure. The minimum cross-section of the suction pipe must be equal to or larger than the cross-section of the pump port. The suction pressure must be kept within the values specified.

Minimum suction pressure:
0.8 bar abs.

Maximum suction pressure:
2.2 bar abs.

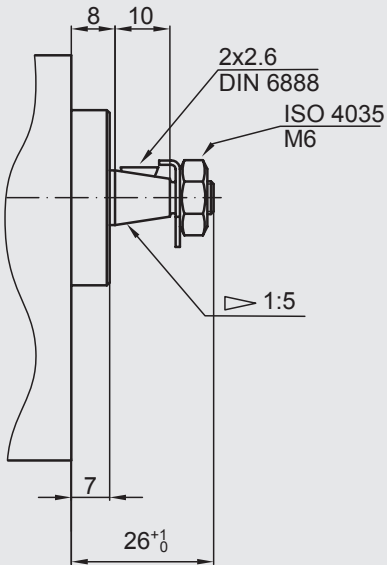
C. Drive

Use a flexible coupling whenever possible. There must not be any radial or axial forces on the pump shaft. The maximum permitted misalignment is 0.2 mm and the angular deviation must be less than 0.2°. Where there may be excessive bending moments or vibrations, the pump unit must be supported by suitable means.

DIMENSIONS

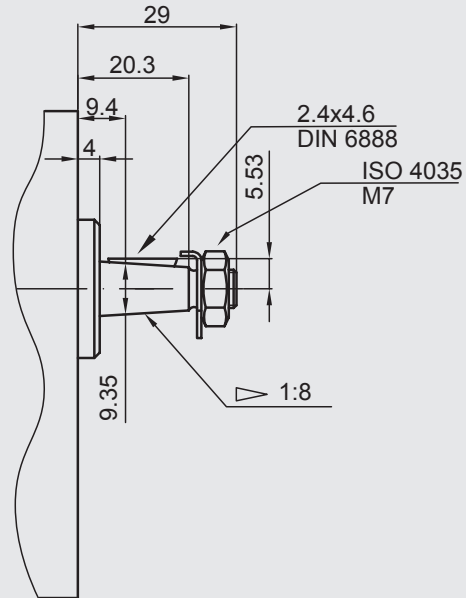
6.5.12 Drive shafts for front pump size 1

A Tapered keyed shaft 1:5



relevant mounting flange: **L**

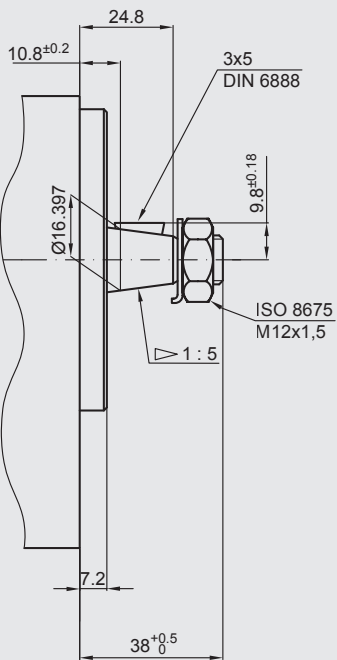
B Tapered keyed shaft 1:8



relevant mounting flange: **Q**

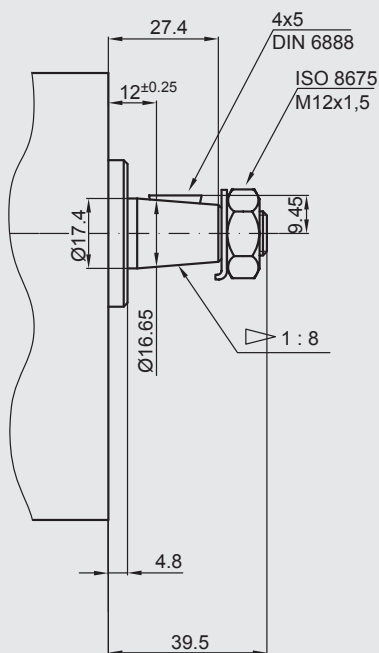
6.5.13 Drive shafts for front pump size 2

A Tapered keyed shaft 1:5



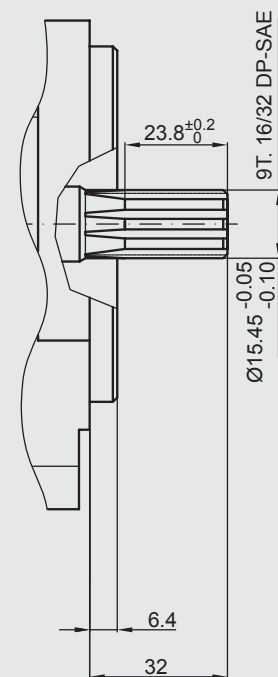
relevant mounting flange: **N** **T**

B Tapered keyed shaft 1:8



relevant mounting flange: **R**

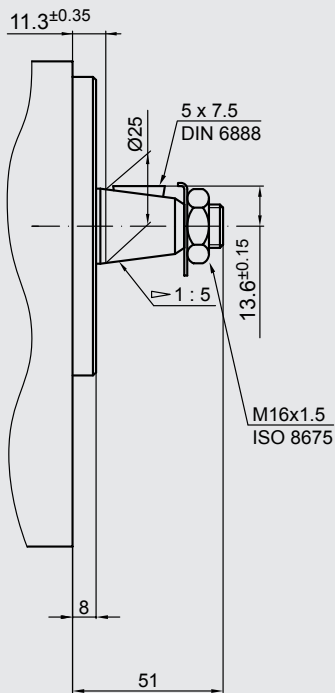
E Splined shaft SAE A - J 744 16-4 9T



relevant mounting flange: **W**

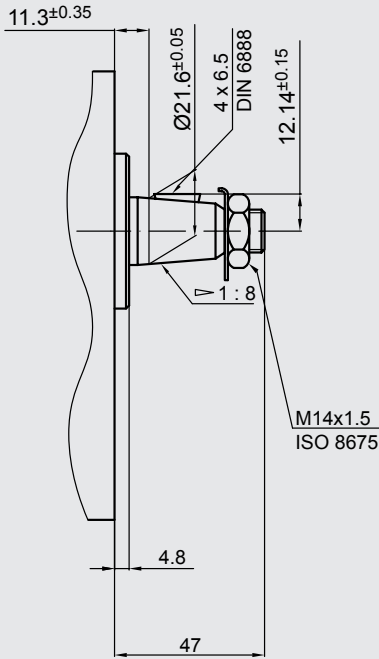
6.5.14 Drive shafts for front pump size 3

A Tapered keyed shaft 1:5



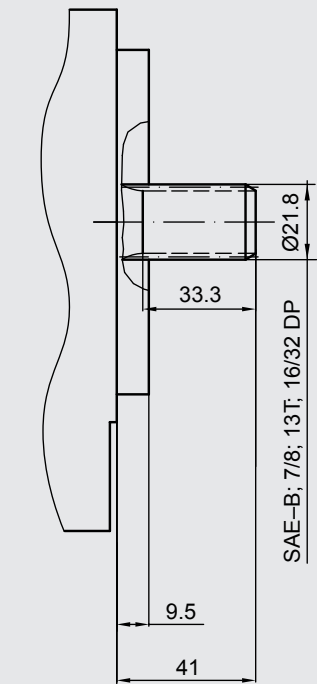
relevant mounting flange: **V**

B Tapered keyed shaft 1:8



relevant mounting flange: **S**

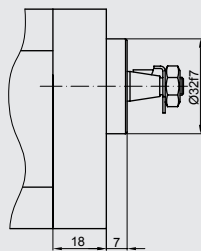
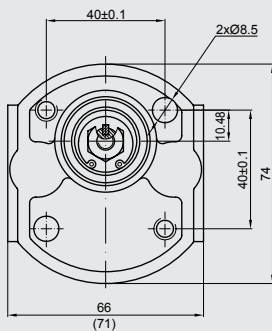
F Splined shaft SAE B - J 744 22-4 13T



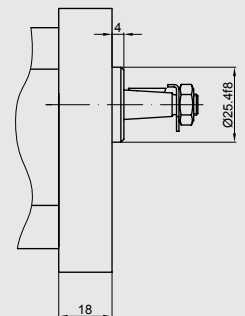
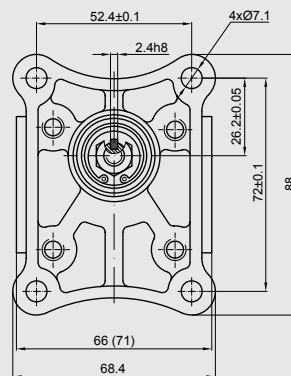
relevant mounting flange: **X**

6.5.15 Mounting flange for front pump size 1

L 2-hole mounting centering Ø 32 mm

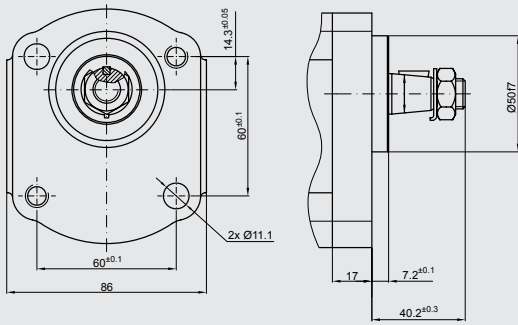


Q Square flange centering Ø 25.4 mm

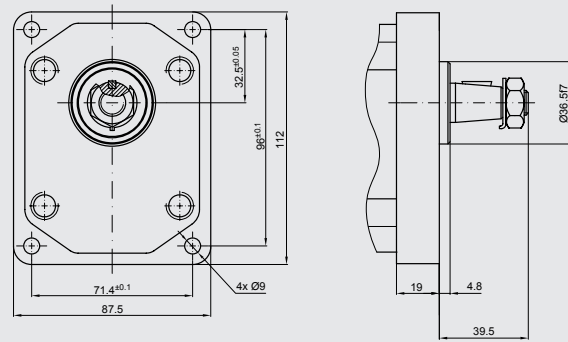


6.5.16 Mounting flange for front pump size 2

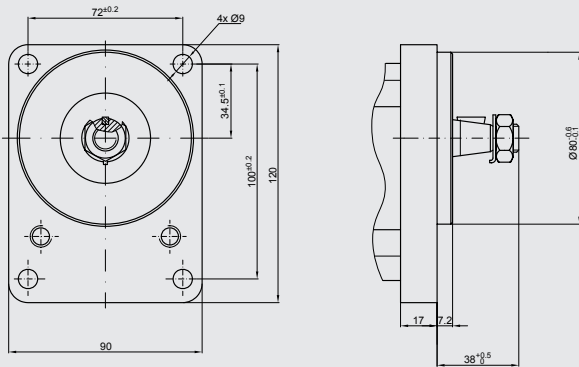
N 2-hole mounting
centering $\varnothing 50$ mm



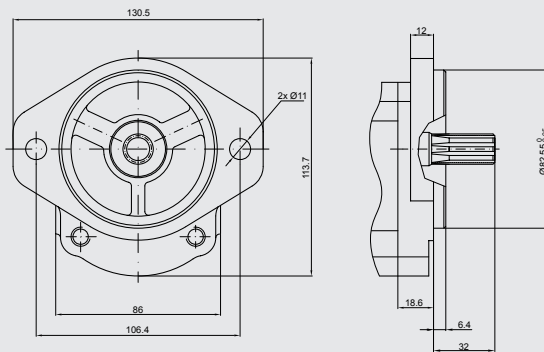
R Square flange
centering $\varnothing 36.5$ mm



T Square flange
centering $\varnothing 80$ mm

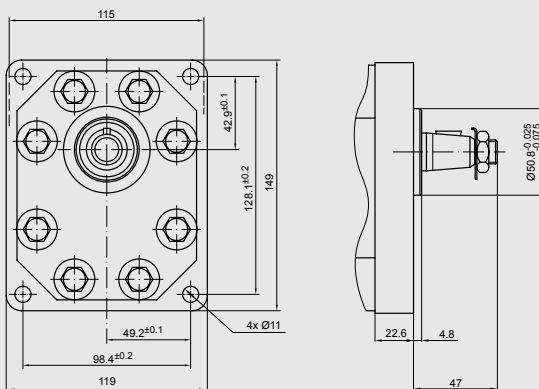


W SAE J 744 82-2 A
 $\varnothing 82.55$ mm

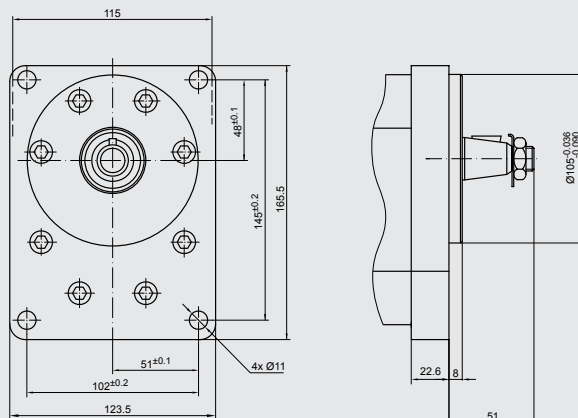


6.5.17 Mounting flange for front pump size 3

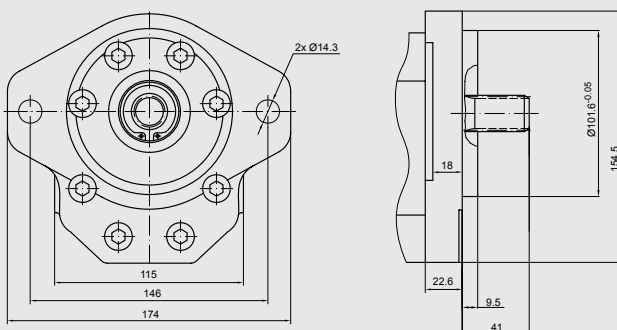
S Square flange
centering $\varnothing 50.8$ mm



V Square flange
centering $\varnothing 105$ mm



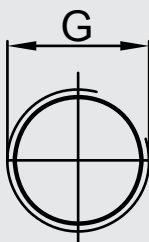
X SAE J 744 101-2 B
 $\varnothing 101.6$ mm



6.5.18 Ports

1

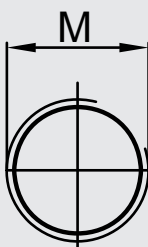
Pipe thread
ISO 228/1



| Ordering code | Size | Displacement | Outlet G | Inlet G |
|---------------|------|------------------------------|----------|---------|
| 1 | 1 | 1 ... 2.5 cm ³ | G 3/8 | G 3/8 |
| | | 3.15 ... 7.4 cm ³ | G 3/8 | G 1/2 |
| | 2 | 4.5 ... 8.2 cm ³ | G 1/2 | G 1/2 |
| | | 10 ... 25 cm ³ | G 1/2 | G 3/4 |
| | 3 | 20 ... 28 cm ³ | G 3/4 | G 3/4 |
| | | 32 ... 60 cm ³ | G 3/4 | G 1 |

2

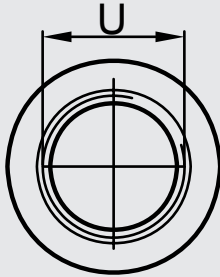
Metric thread
DIN 3852-1



| Ordering code | Size | Displacement | Outlet M | Inlet M |
|---------------|------|------------------------------|----------|---------|
| 2 | 1 | 1 ... 2.5 cm ³ | M16x1.5 | M16x1.5 |
| | | 3.15 ... 6.1 cm ³ | M16x1.5 | M20x1.5 |
| | | 7.4 cm ³ | M18x1.5 | M22x1.5 |
| | 2 | 4.5 ... 25 cm ³ | M16x1.5 | M20x1.5 |

3

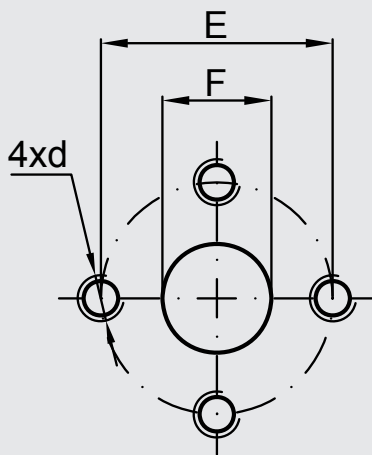
Pipe thread
UN 2B SAE
O-ring boss



| Ordering code | Size | Displacement | Outlet U | Inlet U |
|---------------|------|----------------------------|-------------|--------------|
| 3 | 1 | 1 ... 6.1 cm ³ | 9/16-18 UNF | 3/4-16 UNF |
| | | 7.4 cm ³ | 3/4-16 UNF | 7/8-14 UNF |
| | 2 | 4.5 ... 25 cm ³ | 7/8-14 UNF | 1 1/16-12 UN |

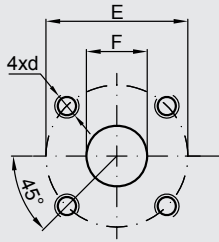
4

Square flange
(Italian design)



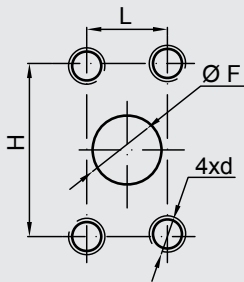
| Ordering code | Size | Displacement | Outlet | | | Inlet | | |
|---------------------------|------|-----------------------------|--------|----|----|-------|-----|----|
| | | | F | E | d | F | E | d |
| 4 | 1 | 1 ... 7.4 cm ³ | 12 | 30 | M6 | 12 | 30 | M6 |
| | 2 | 4.5 ... 8.2 cm ³ | 13.1 | 30 | M6 | 13.1 | 30 | M6 |
| | | 10 ... 22 cm ³ | 14.2 | 30 | M6 | 19 | 40 | M8 |
| | | 25 cm ³ | 19 | 40 | M8 | 19 | 40 | M8 |
| | 3 | 20 ... 28 cm ³ | 19 | 40 | M8 | 19 | 40 | M8 |
| 32 ... 60 cm ³ | | 19 | 40 | M8 | 27 | 51 | M10 | |

5 Square flange
DIN 3901/ ISO 8435



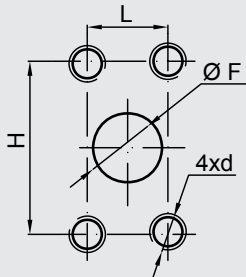
| Ordering code | Size | Displacement | Outlet | | | Inlet | | |
|---------------|------|-----------------------------|--------|----|----|-------|----|----|
| | | | F | E | d | F | E | d |
| 5 | 1 | 1 ... 7.4 cm ³ | 12 | 30 | M6 | 12 | 30 | M6 |
| | 2 | 4.5 ... 6.3 cm ³ | 15 | 35 | M6 | 15 | 40 | M6 |
| | | 8.2 ... 25 cm ³ | 15 | 35 | M6 | 20 | 40 | M6 |
| | 3 | 20 ... 28 cm ³ | 19 | 40 | M8 | 19 | 40 | M8 |
| | | 32 ... 60 cm ³ | 19 | 55 | M8 | 27 | 55 | M8 |

7 SAE flange with metric threads



| Ordering code | Size | Displacement | Outlet | | | | Inlet | | | |
|---------------|------|---------------------------|--------|------|------|-----|-------|------|------|-----|
| | | | F | H | L | d | F | H | L | d |
| 7 | 3 | 20 ... 28 cm ³ | 19 | 47.6 | 22.2 | M10 | 19 | 47.6 | 22.2 | M10 |
| | | 32 ... 60 cm ³ | 19 | 47.6 | 22.2 | M10 | 27 | 52.4 | 26.2 | M10 |

8 SAE flange with UNC threads

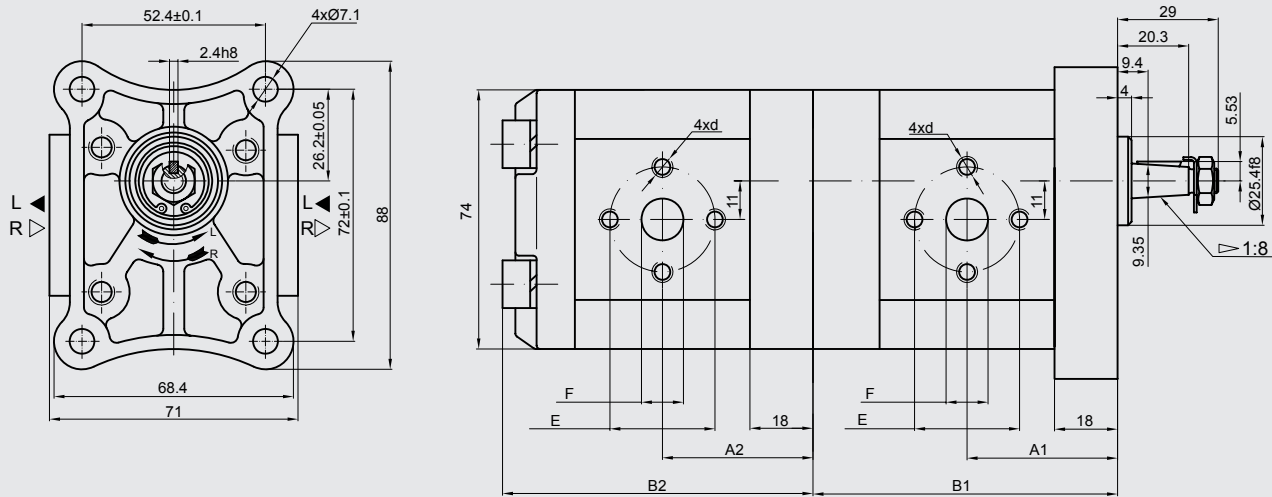


| Ordering code | Size | Displacement | Outlet | | | | Inlet | | | |
|---------------|------|---------------------------|--------|------|------|-----------------|-------|------|------|-----------------|
| | | | F | H | L | d | F | H | L | d |
| 8 | 3 | 20 ... 28 cm ³ | 19 | 47.6 | 22.2 | 3/8 - 16 UNC | 19 | 47.6 | 22.2 | 3/8 - 16 UNC |
| | | 32 ... 60 cm ³ | 19 | 47.6 | 22.2 | | 27 | 52.4 | 26.2 | |

PREFERRED SERIES

6.5.19 Double pump size 1

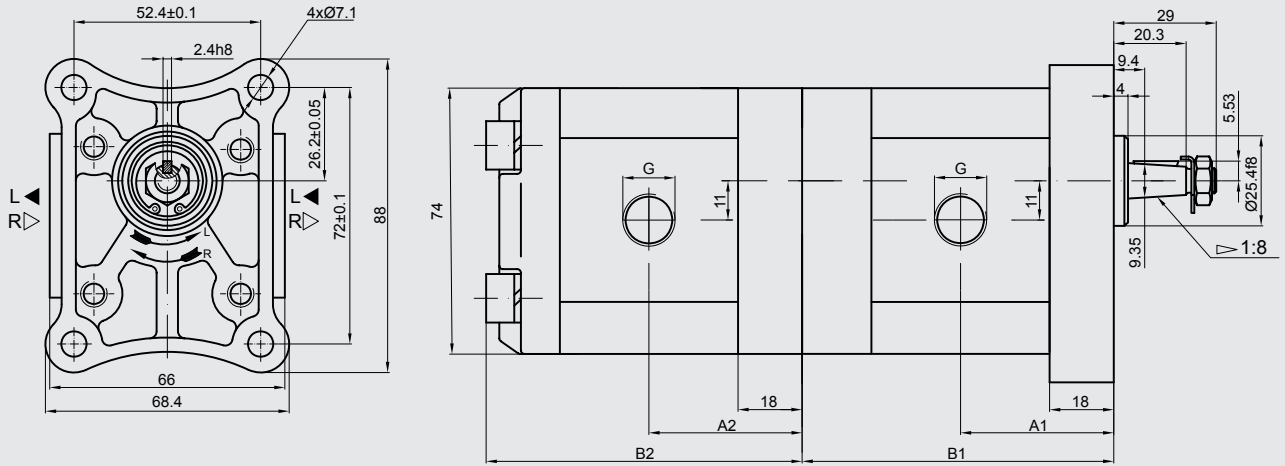
PGE104-.../....-BQ4/4-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 |
| 125 | 1.25 | 1.74 | 4.07 | | |
| 160 | 1.6 | 2.23 | 5.21 | | |
| 200 | 2 | 2.82 | 6.58 | | |
| 250 | 2.5 | 3.53 | 8.23 | | |
| 315 | 3.15 | 4.44 | 10.36 | | |
| 365 | 3.65 | 5.15 | 12.01 | | |
| 420 | 4.2 | 5.92 | 13.82 | | |
| 500 | 5 | 7.05 | 16.45 | 200 | 3000 |
| 610 | 6.1 | 8.69 | 14.49 | 170 | 2500 |
| 740 | 7.4 | 10.55 | 17.58 | | |

| Displacement | Dimensions | | | | | | | | | |
|--------------|------------|------------|------------|------------|-------|----|----|--------|----|----|
| | Dimensions | | | | Inlet | | | Outlet | | |
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | E | F | d | E | F | d |
| 100 | 39.1 | 79.1 | 39.1 | 79 | 30 | 12 | M6 | 30 | 12 | M6 |
| 125 | 39.5 | 80.1 | 39.5 | 80 | | | | | | |
| 160 | 40.3 | 81.5 | 40.3 | 81.6 | | | | | | |
| 200 | 41.1 | 83.2 | 41.1 | 83.2 | | | | | | |
| 250 | 42.1 | 85.2 | 42.1 | 85.2 | | | | | | |
| 315 | 43.5 | 87.8 | 43.5 | 87.8 | | | | | | |
| 365 | 44.4 | 89.8 | 44.4 | 89.9 | | | | | | |
| 420 | 45.5 | 92 | 45.5 | 92.1 | | | | | | |
| 500 | 47.1 | 95.2 | 47.1 | 95.2 | | | | | | |
| 610 | 49.4 | 99.8 | 49.4 | 99.8 | | | | | | |
| 740 | 52.1 | 105.2 | 52.1 | 105.2 | | | | | | |

PGE104-.../...-BQ1/1-N

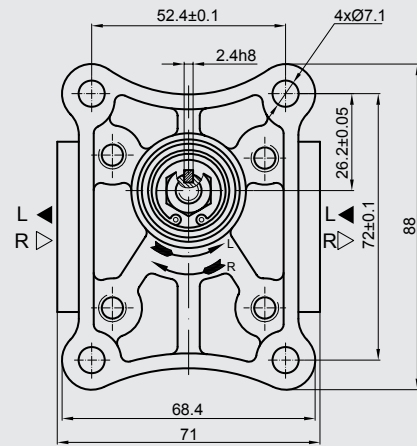
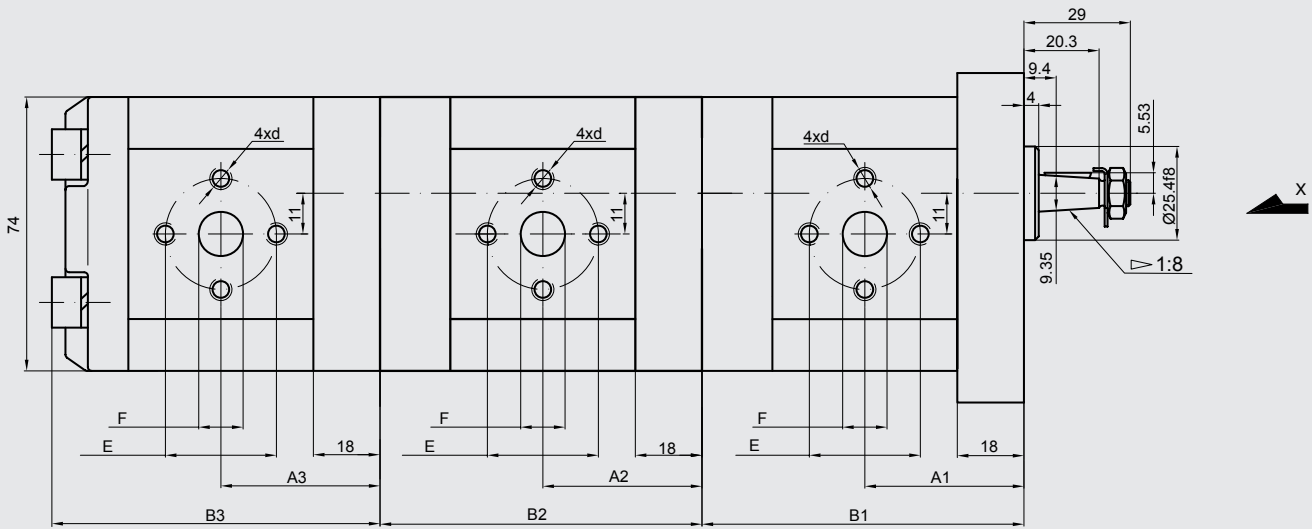


| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 |
| 125 | 1.25 | 1.74 | 4.07 | | |
| 160 | 1.6 | 2.23 | 5.21 | | |
| 200 | 2 | 2.82 | 6.58 | | |
| 250 | 2.5 | 3.53 | 8.23 | | |
| 315 | 3.15 | 4.44 | 10.36 | | |
| 365 | 3.65 | 5.15 | 12.01 | | |
| 420 | 4.2 | 5.92 | 13.82 | | |
| 500 | 5 | 7.05 | 14.10 | 200 | 3000 |
| 610 | 6.1 | 8.69 | 14.49 | 170 | 2500 |
| 740 | 7.4 | 10.55 | 17.58 | | |

| Displacement | Dimensions | | | | Inlet G | Outlet G |
|--------------|------------|---------|---------|---------|---------|----------|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | | |
| 100 | 39.1 | 79.1 | 39.1 | 79 | G 3/8 | G 3/8 |
| 125 | 39.5 | 80.1 | 39.5 | 80 | | |
| 160 | 40.3 | 81.5 | 40.3 | 81.6 | | |
| 200 | 41.1 | 83.2 | 41.1 | 83.2 | | |
| 250 | 42.1 | 85.2 | 42.1 | 85.2 | | |
| 315 | 43.5 | 87.8 | 43.5 | 87.8 | | |
| 365 | 44.4 | 89.8 | 44.4 | 89.9 | | |
| 420 | 45.5 | 92 | 45.5 | 92.1 | | |
| 500 | 47.1 | 95.2 | 47.1 | 95.2 | G 1/2 | |
| 610 | 49.4 | 99.8 | 49.4 | 99.8 | | |
| 740 | 52.1 | 105.2 | 52.1 | 105.2 | | |

6.5.20 Triple pump size 1

PGE104-.../.../...-BQ4/4/4-N

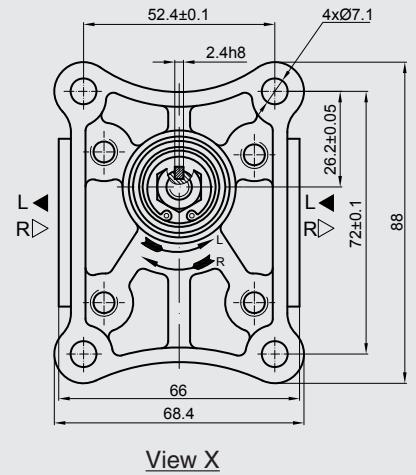
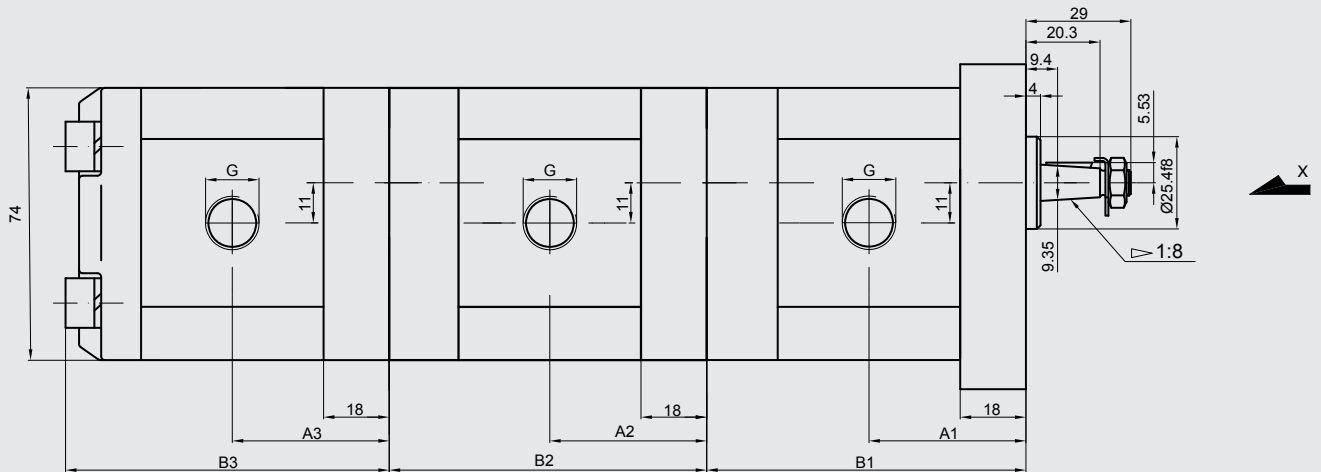


View X

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 |
| 125 | 1.25 | 1.74 | 4.07 | | |
| 160 | 1.6 | 2.23 | 5.21 | | |
| 200 | 2 | 2.82 | 6.58 | | |
| 250 | 2.5 | 3.53 | 8.23 | | |
| 315 | 3.15 | 4.44 | 10.36 | | |
| 365 | 3.65 | 5.15 | 12.01 | | |
| 420 | 4.2 | 5.92 | 13.82 | | |
| 500 | 5 | 7.05 | 16.45 | 200 | 3000 |
| 610 | 6.1 | 8.69 | 14.49 | 170 | 2500 |
| 740 | 7.4 | 10.55 | 17.58 | | |

| Displacement | Dimensions | | | | | | Inlet | | | Outlet | | |
|--------------|------------|------------|------------|------------|------------|------------|-------|----|----|--------|----|----|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | E | F | d | E | F | d |
| 100 | 39.1 | 79.1 | 39.1 | 79 | 39.1 | 79 | 30 | 12 | M6 | 30 | 12 | M6 |
| 125 | 39.5 | 80.1 | 39.5 | 80 | 39.5 | 80 | | | | | | |
| 160 | 40.3 | 81.5 | 40.3 | 81.6 | 40.3 | 81.6 | | | | | | |
| 200 | 41.1 | 83.2 | 41.1 | 83.2 | 41.1 | 83.2 | | | | | | |
| 250 | 42.1 | 85.2 | 42.1 | 85.2 | 42.1 | 85.2 | | | | | | |
| 315 | 43.5 | 87.8 | 43.5 | 87.8 | 43.5 | 87.8 | | | | | | |
| 365 | 44.4 | 89.8 | 44.4 | 89.9 | 44.4 | 89.9 | | | | | | |
| 420 | 45.5 | 92 | 45.5 | 92.1 | 45.5 | 92.1 | | | | | | |
| 500 | 47.1 | 95.2 | 47.1 | 95.2 | 47.1 | 95.2 | | | | | | |
| 610 | 49.4 | 99.8 | 49.4 | 99.8 | 49.4 | 99.8 | | | | | | |
| 740 | 52.1 | 105.2 | 52.1 | 105.2 | 52.1 | 105.2 | | | | | | |

PGE104-.../...-BQ1/1/1-N

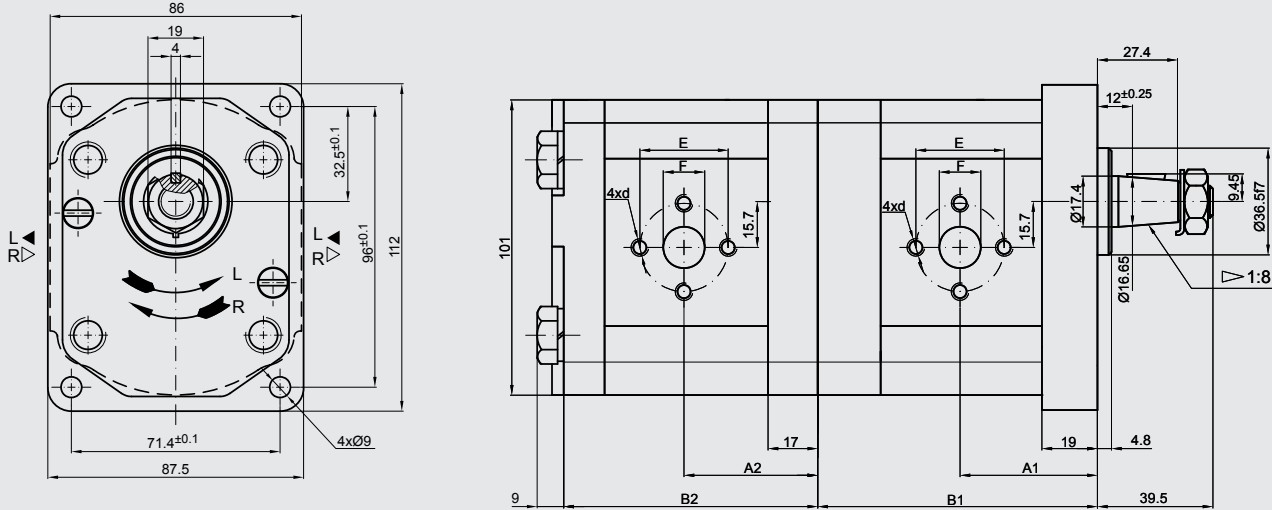


| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 |
| 125 | 1.25 | 1.74 | 4.07 | | |
| 160 | 1.6 | 2.23 | 5.21 | | |
| 200 | 2 | 2.82 | 6.58 | | |
| 250 | 2.5 | 3.53 | 8.23 | | |
| 315 | 3.15 | 4.44 | 10.36 | | |
| 365 | 3.65 | 5.15 | 12.01 | | |
| 420 | 4.2 | 5.92 | 13.82 | | |
| 500 | 5 | 7.05 | 14.10 | 200 | 3000 |
| 610 | 6.1 | 8.69 | 14.49 | 170 | 2500 |
| 740 | 7.4 | 10.55 | 17.58 | | |

| Displacement | Dimensions | | | | | | Inlet G | Outlet G |
|--------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | | |
| 100 | 39.1 | 79.1 | 39.1 | 79 | 39.1 | 79 | G 3/8 | G 3/8 |
| 125 | 39.5 | 80.1 | 39.5 | 80 | 39.5 | 80 | | |
| 160 | 40.3 | 81.5 | 40.3 | 81.6 | 40.3 | 81.6 | | |
| 200 | 41.1 | 83.2 | 41.1 | 83.2 | 41.1 | 83.2 | | |
| 250 | 42.1 | 85.2 | 42.1 | 85.2 | 42.1 | 85.2 | | |
| 315 | 43.5 | 87.8 | 43.5 | 87.8 | 43.5 | 87.8 | | |
| 365 | 44.4 | 89.8 | 44.4 | 89.9 | 44.4 | 89.9 | | |
| 420 | 45.5 | 92 | 45.5 | 92.1 | 45.5 | 92.1 | | |
| 500 | 47.1 | 95.2 | 47.1 | 95.2 | 47.1 | 95.2 | G 1/2 | G 3/8 |
| 610 | 49.4 | 99.8 | 49.4 | 99.8 | 49.4 | 99.8 | | |
| 740 | 52.1 | 105.2 | 52.1 | 105.2 | 52.1 | 105.2 | | |

6.5.21 Double pump size 2

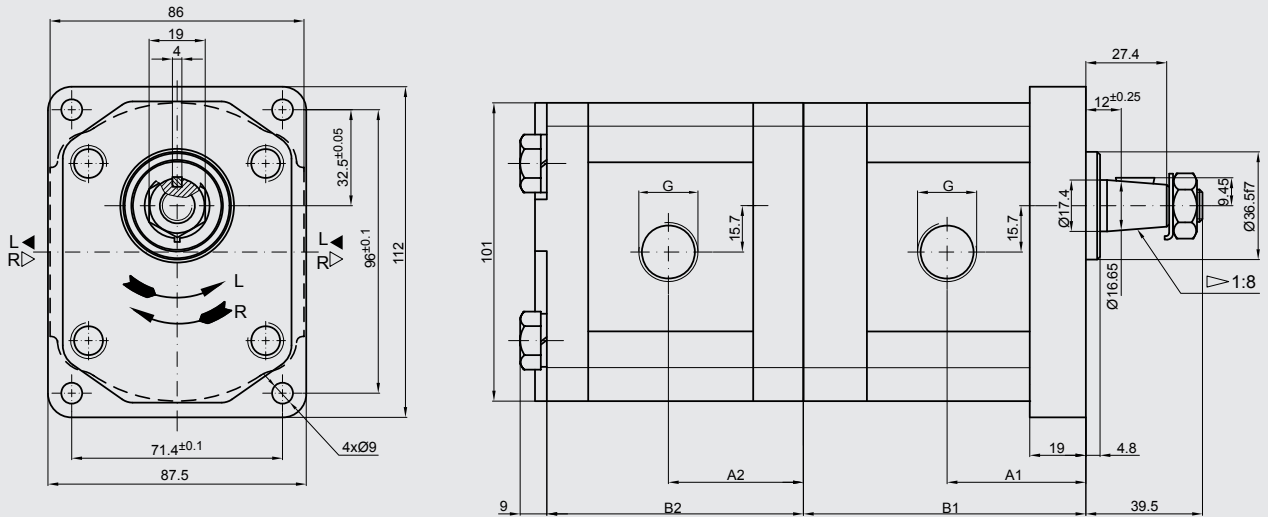
PGE104-.../...-BR4/4-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 |
| 630 | 6.3 | 8.69 | 20.29 | | |
| 820 | 8.2 | 11.32 | 26.40 | | |
| 1000 | 10 | 13.95 | 32.55 | | |
| 1130 | 11.3 | 15.76 | 36.78 | | |
| 1200 | 12 | 16.92 | 39.48 | | |
| 1400 | 14 | 19.95 | 46.55 | | |
| 1500 | 15 | 21.60 | 36.00 | | |
| 1600 | 16 | 23.04 | 38.40 | 200 | 2500 |
| 1900 | 19 | 27.36 | 45.60 | | |
| 2200 | 22 | 31.68 | 42.24 | 180 | 2000 |
| 2500 | 25 | 36.00 | 48.00 | 160 | |

| Displacement | Dimensions | | | | Inlet | | | Outlet | | |
|--------------|------------|------------|------------|------------|-------|------|----|--------|------|----|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | E | F | d | E | F | d |
| 450 | 42.5 | 87.2 | 40.5 | 78 | 30 | 13.1 | M6 | 30 | 13.1 | M6 |
| 630 | 44 | 90.2 | 42 | 81 | | | | | | |
| 820 | 45.5 | 93.1 | 43.5 | 83.9 | | | | | | |
| 1000 | 47 | 96.2 | 45 | 87 | | | | | | |
| 1130 | 48 | 98.2 | 46 | 89.1 | 40 | 19 | M8 | 14.2 | M8 | |
| 1200 | 48.6 | 99.5 | 46.6 | 90.3 | | | | | | |
| 1400 | 50 | 102.6 | 48 | 93.4 | | | | | | |
| 1500 | 51 | 104.1 | 49 | 95 | | | | | | |
| 1600 | 52 | 105.8 | 50 | 96.6 | | | | | | |
| 1900 | 54 | 110.7 | 52 | 101.5 | | | | | | |
| 2200 | 57 | 115.7 | 55 | 106.5 | | | | | | |
| 2500 | 59.2 | 120.6 | 57.2 | 111.4 | | | | | | |

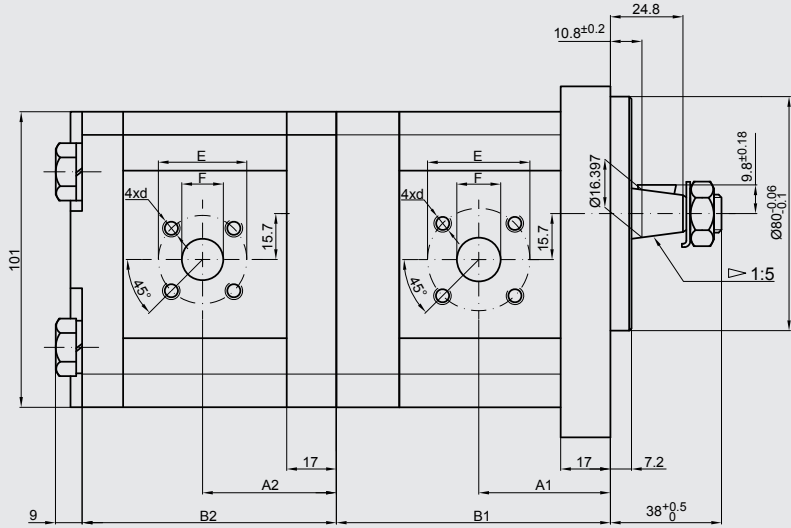
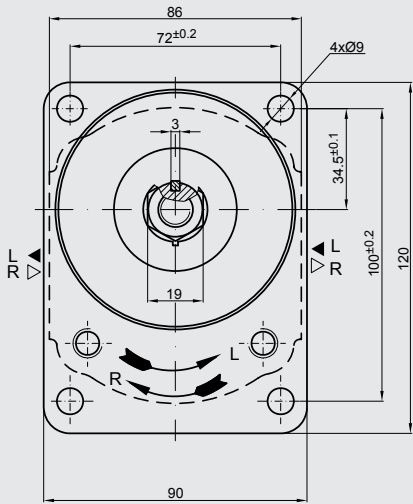
PGE104-.../...-BR1/1-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 |
| 630 | 6.3 | 8.69 | 20.29 | | |
| 820 | 8.2 | 11.32 | 26.40 | | |
| 1000 | 10 | 13.95 | 32.55 | | |
| 1130 | 11.3 | 15.76 | 36.78 | | 2500 |
| 1200 | 12 | 16.92 | 39.48 | | |
| 1400 | 14 | 19.95 | 46.55 | | |
| 1500 | 15 | 21.60 | 36.00 | | |
| 1600 | 16 | 23.04 | 38.40 | 200 | |
| 1900 | 19 | 27.36 | 45.60 | | |
| 2200 | 22 | 31.68 | 42.24 | | |
| 2500 | 25 | 36.00 | 48.00 | 160 | 2000 |

| Displacement | Dimensions | | | | Inlet G | Outlet G |
|--------------|------------|------------|------------|------------|------------|-------------|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | | |
| 450 | 42.5 | 87.2 | 40.5 | 78 | G 1/2 | G 1/2 |
| 630 | 44 | 90.2 | 42 | 81 | | |
| 820 | 45.5 | 93.1 | 43.5 | 83.9 | | |
| 1000 | 47 | 96.2 | 45 | 87 | | |
| 1130 | 48 | 98.2 | 46 | 89 | | |
| 1200 | 48.6 | 99.5 | 46.5 | 90.3 | | |
| 1400 | 50 | 102.6 | 48 | 93.4 | | |
| 1500 | 51 | 104.1 | 49 | 95 | | |
| 1600 | 52 | 105.8 | 50 | 96.5 | G 3/4 | |
| 1900 | 54 | 110.7 | 52 | 101.5 | | |
| 2200 | 57 | 115.7 | 55 | 106.5 | | |
| 2500 | 59.2 | 120.6 | 57.2 | 111.4 | | |

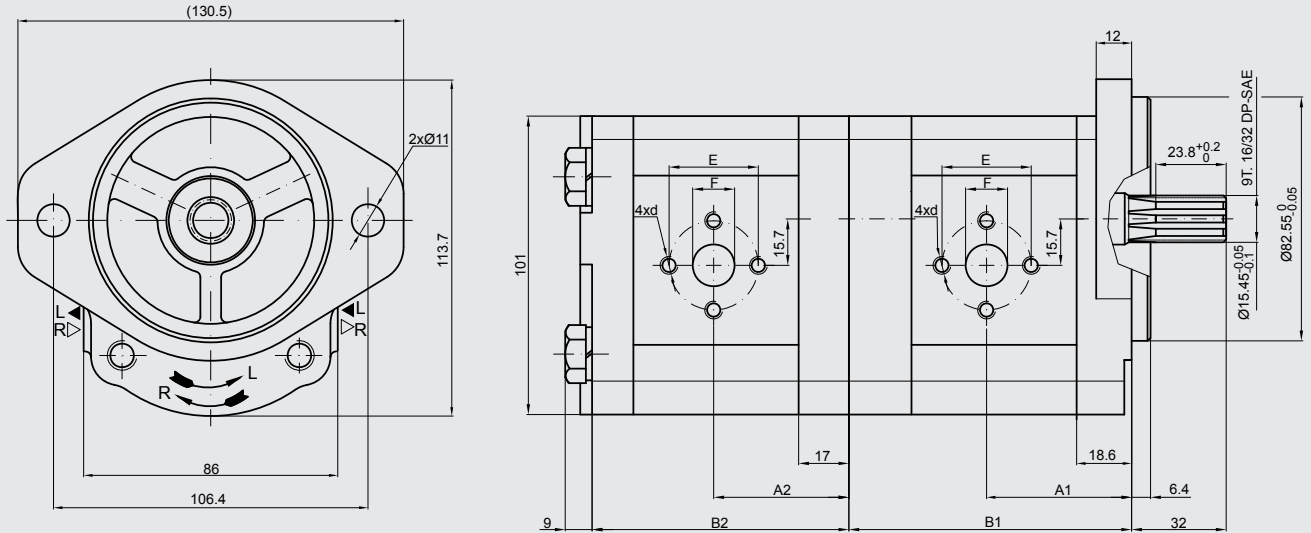
PGE104-.../....AT5/5-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | |
| 630 | 6.3 | 8.69 | 20.29 | | | |
| 820 | 8.2 | 11.32 | 26.40 | | | |
| 1000 | 10 | 13.95 | 32.55 | | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | |
| 1200 | 12 | 16.92 | 39.48 | | | |
| 1400 | 14 | 19.95 | 46.55 | | | |
| 1500 | 15 | 21.60 | 36.00 | | | |
| 1600 | 16 | 23.04 | 38.40 | | | 2500 |
| 1900 | 19 | 27.36 | 45.60 | | | 200 |
| 2200 | 22 | 31.68 | 42.24 | 180 | 2000 | |
| 2500 | 25 | 36.00 | 48.00 | 160 | | |

| Displacement | Dimensions | | | | | | | | | |
|--------------|------------|------------|------------|------------|-------|----|----|--------|----|----|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | Inlet | | | Outlet | | |
| | | | | | E | F | d | E | F | d |
| 450 | 39.8 | 85.2 | 37.3 | 78 | 40 | 15 | M6 | 35 | 15 | M6 |
| 630 | 41 | 88.2 | 38.6 | 81 | | | | | | |
| 820 | 43.1 | 91.1 | 40.6 | 83.9 | | 20 | | | | |
| 1000 | 47.5 | 94.1 | 45 | 87 | | | | | | |
| 1130 | 47.5 | 96.2 | 45 | 89 | | | | | | |
| 1200 | 47.5 | 97.5 | 45 | 90.3 | | | | | | |
| 1400 | 47.5 | 100.6 | 45 | 93.4 | | | | | | |
| 1500 | 47.5 | 102.1 | 45 | 95 | | | | | | |
| 1600 | 47.5 | 103.8 | 45 | 96.5 | | | | | | |
| 1900 | 47.5 | 108.7 | 45 | 101.5 | | | | | | |
| 2200 | 55 | 113.7 | 52.5 | 106.5 | | | | | | |
| 2500 | 57.2 | 118.5 | 57.2 | 111.4 | | | | | | |

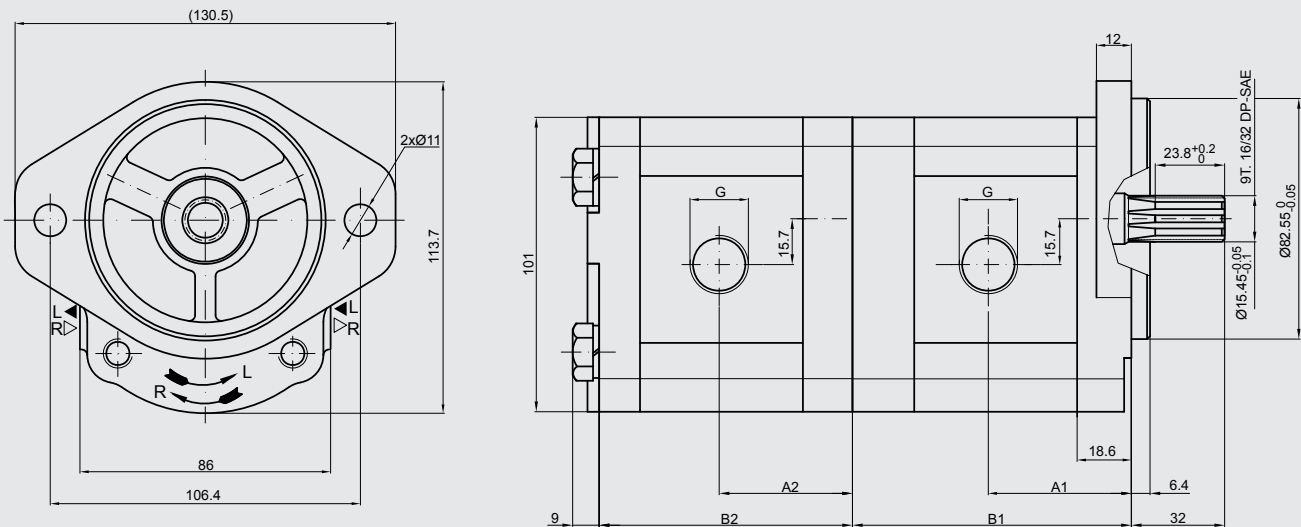
PGE104-.../...-EW4/4-N



| Displacement | Geometric displacement [cm³/rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|-------------------------------------|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 |
| 630 | 6.3 | 8.69 | 20.29 | | |
| 820 | 8.2 | 11.32 | 26.40 | | |
| 1000 | 10 | 13.95 | 32.55 | | |
| 1130 | 11.3 | 15.76 | 36.78 | | 2500 |
| 1200 | 12 | 16.92 | 39.48 | | |
| 1400 | 14 | 19.95 | 46.55 | | 200 |
| 1500 | 15 | 21.60 | 36.00 | | |
| 1600 | 16 | 23.04 | 38.40 | 180 | |
| 1900 | 19 | 27.36 | 45.60 | | |
| 2200 | 22 | 31.68 | 42.24 | | |
| 2500 | 25 | 36.00 | 48.00 | 160 | 2000 |

| Displacement | Dimensions | | | | | | | | | |
|--------------|------------|------------|------------|------------|-------|------|----|--------|------|----|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | Inlet | | | Outlet | | |
| | | | | | E | F | d | E | F | d |
| 450 | 42.1 | 86.8 | 40.5 | 78 | 30 | 13.1 | M6 | 30 | 13.1 | M6 |
| 630 | 43.6 | 89.8 | 42 | 81 | | | | | | |
| 820 | 45.1 | 92.7 | 43.5 | 83.9 | | | | | | |
| 1000 | 46.6 | 95.7 | 45 | 87 | | | | | | |
| 1130 | 47.6 | 97.8 | 46 | 89.1 | 40 | 19 | M8 | 14.2 | | |
| 1200 | 48.2 | 99.1 | 46.6 | 90.3 | | | | | | |
| 1400 | 49.6 | 102.1 | 48 | 93.4 | | | | | | |
| 1500 | 50.6 | 103.7 | 49 | 95 | | | | | | |
| 1600 | 51.6 | 105.3 | 50 | 96.6 | | | | 40 | 19 | M8 |
| 1900 | 53.6 | 110.3 | 52 | 101.5 | | | | | | |
| 2200 | 56.6 | 115.3 | 55 | 106.5 | | | | | | |
| 2500 | 58.8 | 120.2 | 57.2 | 111.4 | | | | | | |

PGE104-.../...-EW1/1-N

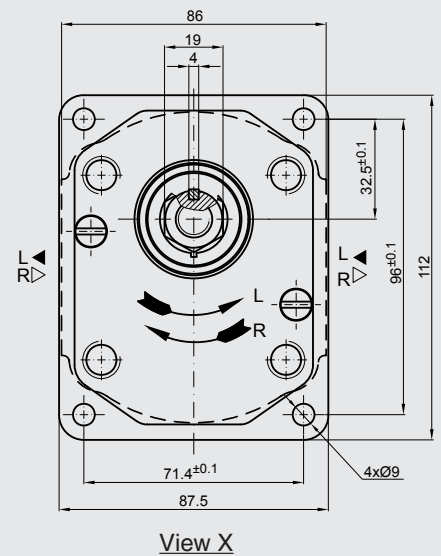
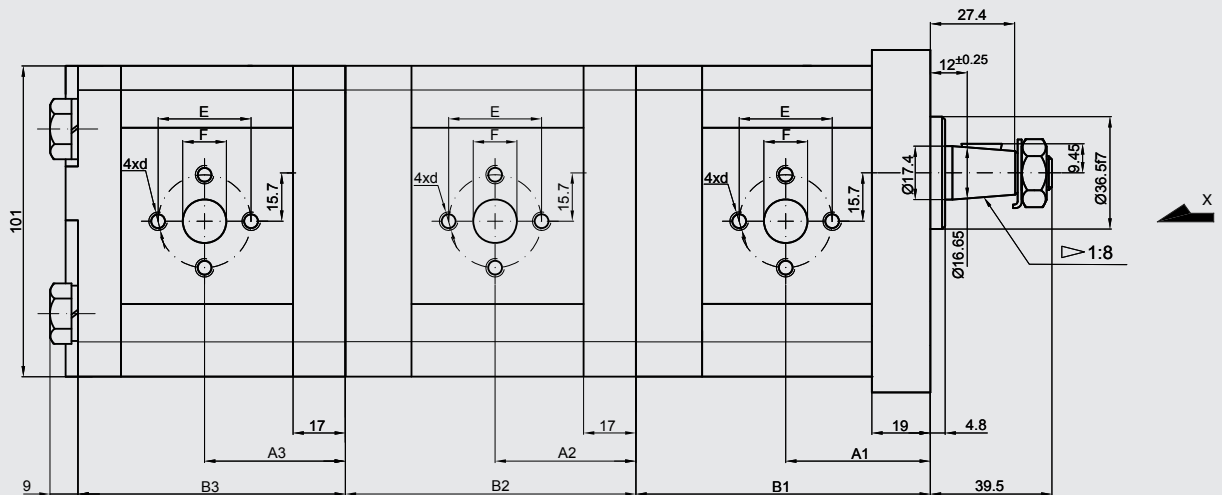


| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 |
| 630 | 6.3 | 8.69 | 20.29 | | |
| 820 | 8.2 | 11.32 | 26.40 | | |
| 1000 | 10 | 13.95 | 32.55 | | |
| 1130 | 11.3 | 15.76 | 36.78 | | |
| 1200 | 12 | 16.92 | 39.48 | | |
| 1400 | 14 | 19.95 | 46.55 | | |
| 1500 | 15 | 21.60 | 36.00 | | |
| 1600 | 16 | 23.04 | 38.40 | 200 | 2500 |
| 1900 | 19 | 27.36 | 45.60 | | |
| 2200 | 22 | 31.68 | 42.24 | 180 | 2000 |
| 2500 | 25 | 36.00 | 48.00 | 160 | |

| Displacement | Dimensions | | | | Inlet G | Outlet G |
|--------------|------------|------------|------------|------------|------------|-------------|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | | |
| 450 | 42 | 86.8 | 40.5 | 78 | G 1/2 | G 1/2 |
| 630 | 43.6 | 86.8 | 42 | 81 | | |
| 820 | 45 | 86.8 | 43.5 | 83.9 | | |
| 1000 | 46.6 | 95.8 | 45 | 87 | | |
| 1130 | 47.6 | 97.9 | 46 | 89 | | |
| 1200 | 48.2 | 99.1 | 46.5 | 90.3 | | |
| 1400 | 49.6 | 102.1 | 48 | 93.4 | | |
| 1500 | 50.6 | 103.7 | 49 | 95 | | |
| 1600 | 51.6 | 105.3 | 50 | 96.5 | G 3/4 | G 1/2 |
| 1900 | 53.6 | 110.3 | 52 | 101.5 | | |
| 2200 | 56.6 | 115.3 | 55 | 106.5 | | |
| 2500 | 58.8 | 120.2 | 57.2 | 111.4 | | |

6.5.22 Triple pump size 2

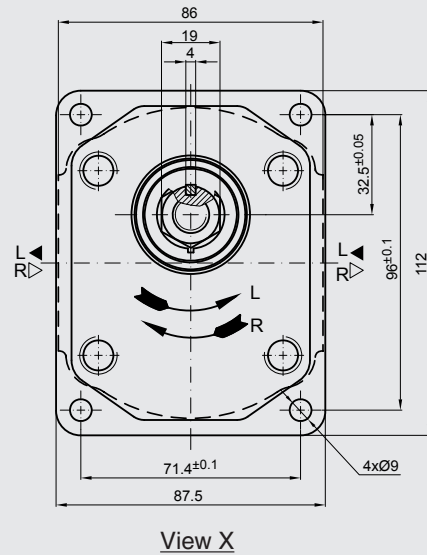
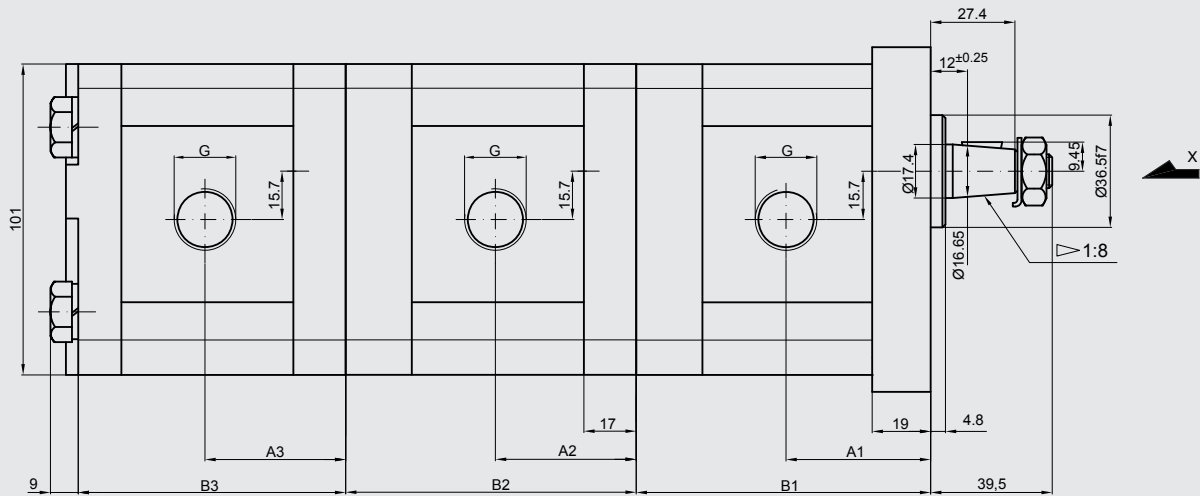
PGE104-.../...-BR4/4/4-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 |
| 630 | 6.3 | 8.69 | 20.29 | | |
| 820 | 8.2 | 11.32 | 26.40 | | |
| 1000 | 10 | 13.95 | 32.55 | | |
| 1130 | 11.3 | 15.76 | 36.78 | | |
| 1200 | 12 | 16.92 | 39.48 | | |
| 1400 | 14 | 19.95 | 46.55 | | |
| 1500 | 15 | 21.60 | 36.00 | | |
| 1600 | 16 | 23.04 | 38.40 | 2500 | |
| 1900 | 19 | 27.36 | 45.60 | | |
| 2200 | 22 | 31.68 | 42.24 | 180 | 2000 |
| 2500 | 25 | 36.00 | 48.00 | | |

| Displacement | Dimensions | | | | | | Inlet | | | Outlet | | |
|--------------|------------|------------|------------|------------|------------|------------|-------|------|----|--------|------|----|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | E | F | d | E | F | d |
| 450 | 42.5 | 87.2 | 40.5 | 85.2 | 40.5 | 78 | 30 | 13.1 | M6 | 30 | 13.1 | M6 |
| 630 | 44 | 90.2 | 42 | 88.2 | 42 | 81 | | | | | | |
| 820 | 45.5 | 93.1 | 43.5 | 91.1 | 43.5 | 83.9 | | | | | | |
| 1000 | 47 | 96.2 | 45 | 94.1 | 45 | 87 | | | | | | |
| 1130 | 48 | 98.2 | 46 | 96.2 | 46 | 89.1 | | | | | | |
| 1200 | 48.6 | 99.5 | 46.6 | 97.5 | 46.6 | 90.3 | | | | | | |
| 1400 | 50 | 102.6 | 48 | 100.6 | 48 | 93.4 | | | | | | |
| 1500 | 51 | 104.1 | 49 | 102.1 | 49 | 95 | | | | | | |
| 1600 | 52 | 105.8 | 50 | 103.8 | 50 | 96.6 | 40 | 19 | M8 | 14.2 | M8 | |
| 1900 | 54 | 110.7 | 52 | 108.7 | 52 | 101.5 | | | | | | |
| 2200 | 57 | 115.7 | 55 | 113.7 | 55 | 106.5 | | | | | | |
| 2500 | 59.2 | 120.6 | 57.2 | 118.5 | 57.2 | 111.4 | | | | | | |

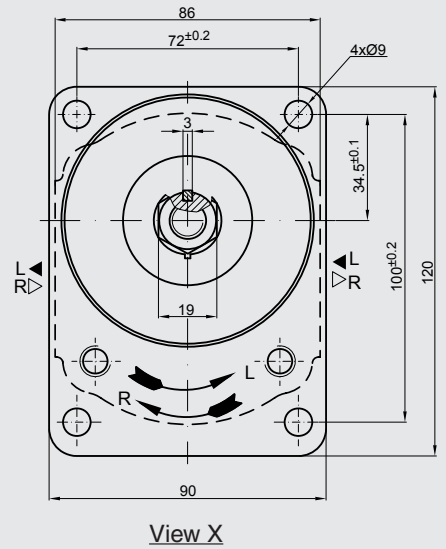
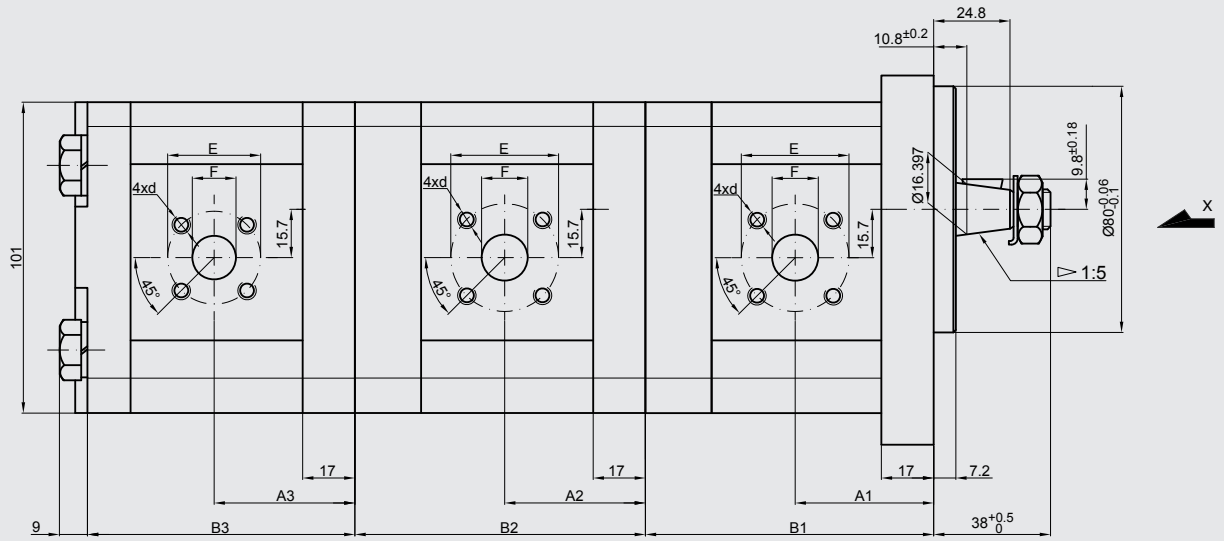
PGE104-.../.../...-BR1/1/1-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | |
| 630 | 6.3 | 8.69 | 20.29 | | | |
| 820 | 8.2 | 11.32 | 26.40 | | | |
| 1000 | 10 | 13.95 | 32.55 | | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | |
| 1200 | 12 | 16.92 | 39.48 | | | |
| 1400 | 14 | 19.95 | 46.55 | | | |
| 1500 | 15 | 21.60 | 36.00 | | | |
| 1600 | 16 | 23.04 | 38.40 | | | 2500 |
| 1900 | 19 | 27.36 | 45.60 | | | 200 |
| 2200 | 22 | 31.68 | 42.24 | 180 | 2000 | |
| 2500 | 25 | 36.00 | 48.00 | 160 | | |

| Displacement | Dimensions | | | | | | Inlet G | Outlet G |
|--------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | | |
| 450 | 42.5 | 87.2 | 40.5 | 85.2 | 40.5 | 78 | G 1/2 | G 1/2 |
| 630 | 44 | 90.2 | 42 | 88.2 | 42 | 81 | | |
| 820 | 45.5 | 93.1 | 43.5 | 91.1 | 43.5 | 83.9 | | |
| 1000 | 47 | 96.2 | 45 | 94.1 | 45 | 87 | | |
| 1130 | 48 | 98.2 | 46 | 96.2 | 46 | 89 | | |
| 1200 | 48.6 | 99.5 | 46.6 | 97.5 | 46.5 | 90.3 | | |
| 1400 | 50 | 102.6 | 48 | 100.6 | 48 | 93.4 | | |
| 1500 | 51 | 104.1 | 49 | 102.1 | 49 | 95 | | |
| 1600 | 52 | 105.8 | 50 | 103.8 | 50 | 96.6 | | |
| 1900 | 54 | 110.7 | 52 | 108.7 | 52 | 101.5 | | |
| 2200 | 57 | 115.7 | 55 | 113.7 | 55 | 106.5 | G 3/4 | |
| 2500 | 59.2 | 120.6 | 57.2 | 118.5 | 57.2 | 111.4 | | |

PGE104-.../...-AT5/5/5-N

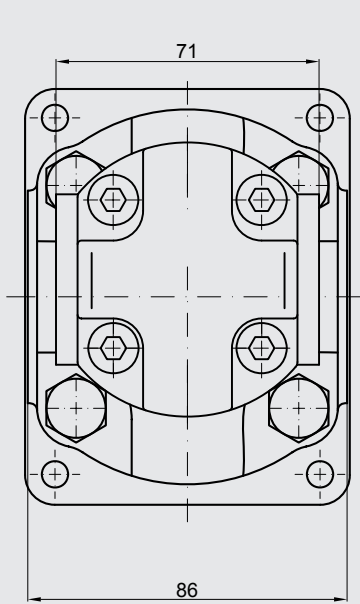
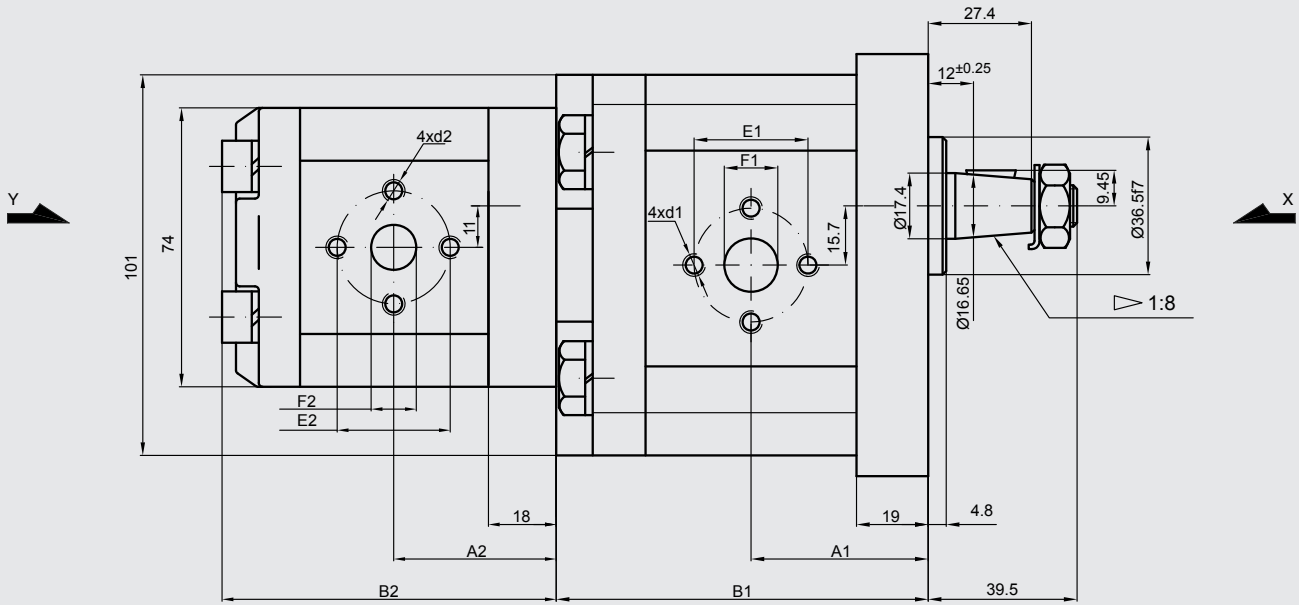


| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 |
| 630 | 6.3 | 8.69 | 20.29 | | |
| 820 | 8.2 | 11.32 | 26.40 | | |
| 1000 | 10 | 13.95 | 32.55 | | |
| 1130 | 11.3 | 15.76 | 36.78 | | |
| 1200 | 12 | 16.92 | 39.48 | | |
| 1400 | 14 | 19.95 | 46.55 | | 2500 |
| 1500 | 15 | 21.60 | 36.00 | | |
| 1600 | 16 | 23.04 | 38.40 | | |
| 1900 | 19 | 27.36 | 45.60 | | 200 |
| 2200 | 22 | 31.68 | 42.24 | 180 | |
| 2500 | 25 | 36.00 | 48.00 | 160 | |

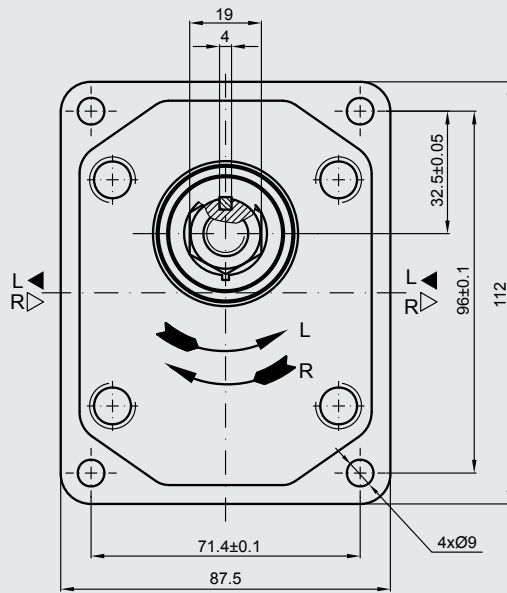
| Displacement | Dimensions | | | | | | Inlet | | | Outlet | | |
|--------------|------------|------------|------------|------------|------------|------------|-------|----|----|--------|----|----|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | E | F | d | E | F | d |
| 450 | 39.8 | 85.2 | 40.5 | 85.2 | 37.3 | 78 | 40 | 15 | M6 | 35 | 15 | M6 |
| 630 | 41 | 88.2 | 42 | 88.2 | 38.6 | 81 | | | | | | |
| 820 | 43.1 | 91.1 | 43.5 | 91.1 | 40.6 | 83.9 | | | | | | |
| 1000 | 47.5 | 94.1 | 45 | 94.1 | 45 | 87 | | | | | | |
| 1130 | 47.5 | 96.2 | 46 | 96.2 | 45 | 89 | | | | | | |
| 1200 | 47.5 | 97.5 | 46.6 | 97.5 | 45 | 90.3 | | | | | | |
| 1400 | 47.5 | 100.6 | 48 | 100.6 | 45 | 93.4 | | | | | | |
| 1500 | 47.5 | 102.1 | 49 | 102.1 | 45 | 95 | | | | | | |
| 1600 | 47.5 | 103.8 | 50 | 103.8 | 45 | 96.5 | | | | | | |
| 1900 | 47.5 | 108.7 | 52 | 108.7 | 45 | 101.5 | | | | | | |
| 2200 | 55 | 113.7 | 55 | 113.7 | 52.5 | 106.5 | 20 | M6 | 35 | 15 | M6 | |
| 2500 | 57.2 | 118.5 | 57.2 | 118.5 | 57.2 | 111.4 | | | | | | |

6.5.23 Double pump size 2 / size 1

PGE104-.../...-BR4/4-N



View Y



View X

Front pump size 2:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|------|----|--------|------|----|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet | | | Outlet | | |
| | | | | | | | | E1 | F1 | d1 | E1 | F1 | d1 |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | 42.5 | 89.7 | 30 | 13.1 | M6 | 30 | 13.1 | M6 |
| 630 | 6.3 | 8.69 | 20.29 | | | 44 | 92.7 | | | | | | |
| 820 | 8.2 | 11.32 | 26.40 | | | 45.5 | 95.6 | | | | | | |
| 1000 | 10 | 13.95 | 32.55 | | | 47 | 98.7 | | | | | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | 48 | 100.7 | | | | | | |
| 1200 | 12 | 16.92 | 39.48 | | | 48.6 | 102 | | | | | | |
| 1400 | 14 | 19.95 | 46.55 | | | 50 | 105.1 | | | | | | |
| 1500 | 15 | 21.60 | 36.00 | | | 51 | 106.6 | | | | | | |
| 1600 | 16 | 23.04 | 38.40 | | | 52 | 108.3 | | | | | | |
| 1900 | 19 | 27.36 | 45.60 | | | 54 | 113.2 | | | | | | |
| 2200 | 22 | 31.68 | 42.24 | 57 | 118.2 | | | | | | | | |
| 2500 | 25 | 36.00 | 48.00 | 160 | 2000 | 59.2 | 123.1 | 40 | 19 | M8 | | | |

End pump size 1:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|----|----|--------|----|----|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A2 [mm] | B2 [mm] | Inlet | | | Outlet | | |
| | | | | | | | | E2 | F2 | d2 | E2 | F2 | d2 |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 | 39.1 | 81 | 30 | 12 | M6 | 30 | 12 | M6 |
| 125 | 1.25 | 1.74 | 4.07 | | | 39.5 | 82 | | | | | | |
| 160 | 1.6 | 2.23 | 5.21 | | | 40.3 | 83.6 | | | | | | |
| 200 | 2 | 2.82 | 6.58 | | | 41.1 | 85.2 | | | | | | |
| 250 | 2.5 | 3.53 | 8.23 | | | 42.1 | 87.2 | | | | | | |
| 315 | 3.15 | 4.44 | 10.36 | | | 43.5 | 89.8 | | | | | | |
| 365 | 3.65 | 5.15 | 12.01 | | | 44.4 | 91.9 | | | | | | |
| 420 | 4.2 | 5.92 | 13.82 | | | 45.5 | 94.1 | | | | | | |
| 500 | 5 | 7.05 | 14.10 | | | 47.1 | 97.2 | | | | | | |
| 610 | 6.1 | 8.69 | 14.49 | | | 200 | 2500 | | | | | | |
| 740 | 7.4 | 10.55 | 17.58 | 170 | 2500 | 52.1 | 107.2 | | | | | | |

Front pump size 2:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet G1 | Outlet G1 |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | 42.5 | 89.7 | G 1/2 | G 1/2 |
| 630 | 6.3 | 8.69 | 20.29 | | | 44 | 92.7 | | |
| 820 | 8.2 | 11.32 | 26.40 | | | 45.5 | 95.6 | | |
| 1000 | 10 | 13.95 | 32.55 | | | 47 | 98.7 | G 3/4 | |
| 1130 | 11.3 | 15.76 | 36.78 | | | 48 | 100.7 | | |
| 1200 | 12 | 16.92 | 39.48 | | | 48.6 | 102 | | |
| 1400 | 14 | 19.95 | 46.55 | | | 50 | 105.1 | | |
| 1500 | 15 | 21.60 | 36.00 | | | 51 | 106.6 | | |
| 1600 | 16 | 23.04 | 38.40 | | | 52 | 108.3 | | |
| 1900 | 19 | 27.36 | 45.60 | | | 54 | 113.2 | | |
| 2200 | 22 | 31.68 | 42.24 | 180 | 57 | 118.2 | 2000 | | |
| 2500 | 25 | 36.00 | 48.00 | 160 | 59.2 | 123.1 | | | |

End pump size 1:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A2 [mm] | B2 [mm] | Inlet G2 | Outlet G2 |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 | 39.1 | 81 | G 3/8 | G 3/8 |
| 125 | 1.25 | 1.74 | 4.07 | | | 39.5 | 82 | | |
| 160 | 1.6 | 2.23 | 5.21 | | | 40.3 | 83.6 | | |
| 200 | 2 | 2.82 | 6.58 | | | 41.1 | 85.2 | | |
| 250 | 2.5 | 3.53 | 8.23 | | | 42.1 | 87.2 | | |
| 315 | 3.15 | 4.44 | 10.36 | | | 43.5 | 89.8 | G 1/2 | |
| 365 | 3.65 | 5.15 | 12.01 | | | 44.4 | 91.9 | | |
| 420 | 4.2 | 5.92 | 13.82 | | | 45.5 | 94.1 | | |
| 500 | 5 | 7.05 | 14.10 | | | 47.1 | 97.2 | | |
| 610 | 6.1 | 8.69 | 14.49 | | | 200 | 49.4 | | |
| 740 | 7.4 | 10.55 | 17.58 | 170 | 52.1 | 107.2 | 2500 | | |

Front pump size 2:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|----|----|--------|----|----|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet | | | Outlet | | |
| | | | | | | | | E1 | F1 | d1 | E1 | F1 | d1 |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | 39.8 | 87.6 | 40 | 15 | M6 | 35 | 15 | M6 |
| 630 | 6.3 | 8.69 | 20.29 | | | 41 | 90.6 | | | | | | |
| 820 | 8.2 | 11.32 | 26.40 | | | 43.1 | 93.5 | | | | | | |
| 1000 | 10 | 13.95 | 32.55 | | | 47.5 | 96.6 | | | | | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | 47.5 | 98.7 | | | | | | |
| 1200 | 12 | 16.92 | 39.48 | | | 47.5 | 99.9 | | | | | | |
| 1400 | 14 | 19.95 | 46.55 | | | 47.5 | 103 | | | | | | |
| 1500 | 15 | 21.60 | 36.00 | | | 47.5 | 104.5 | | | | | | |
| 1600 | 16 | 23.04 | 38.40 | | | 47.5 | 106.2 | | | | | | |
| 1900 | 19 | 27.36 | 45.60 | | | 200 | 47.5 | | | | | | |
| 2200 | 22 | 31.68 | 42.24 | 180 | 55 | 116.1 | | | | | | | |
| 2500 | 25 | 36.00 | 48.00 | 160 | 2000 | 57.5 | 121.1 | | | | | | |

End pump size 1:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|----|----|--------|----|----|-------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A2 [mm] | B2 [mm] | Inlet | | | Outlet | | | |
| | | | | | | | | E2 | F2 | d2 | E2 | F2 | d2 | |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 | 39.1 | 81 | 30 | 12 | M6 | 30 | 12 | M6 | |
| 125 | 1.25 | 1.74 | 4.07 | | | 39.5 | 82 | | | | | | | |
| 160 | 1.6 | 2.23 | 5.21 | | | 40.3 | 83.6 | | | | | | | |
| 200 | 2 | 2.82 | 6.58 | | | 41.1 | 85.2 | | | | | | | |
| 250 | 2.5 | 3.53 | 8.23 | | | 42.1 | 87.2 | | | | | | | |
| 315 | 3.15 | 4.44 | 10.36 | | | 43.5 | 89.8 | | | | | | | |
| 365 | 3.65 | 5.15 | 12.01 | | | 44.4 | 91.9 | | | | | | | |
| 420 | 4.2 | 5.92 | 13.82 | | | 45.5 | 94.1 | | | | | | | |
| 500 | 5 | 7.05 | 14.10 | | | 3000 | 47.1 | | | | | | | 97.2 |
| 610 | 6.1 | 8.69 | 14.49 | | | 200 | 49.4 | | | | | | | 101.8 |
| 740 | 7.4 | 10.55 | 17.58 | 170 | 2500 | 52.1 | 107.2 | | | | | | | |

Front and middle pump size 2:

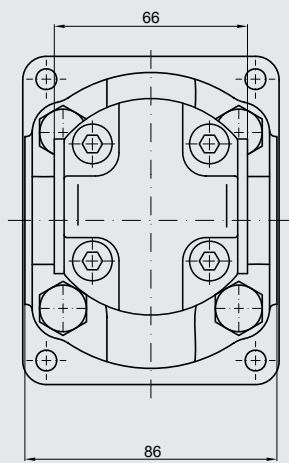
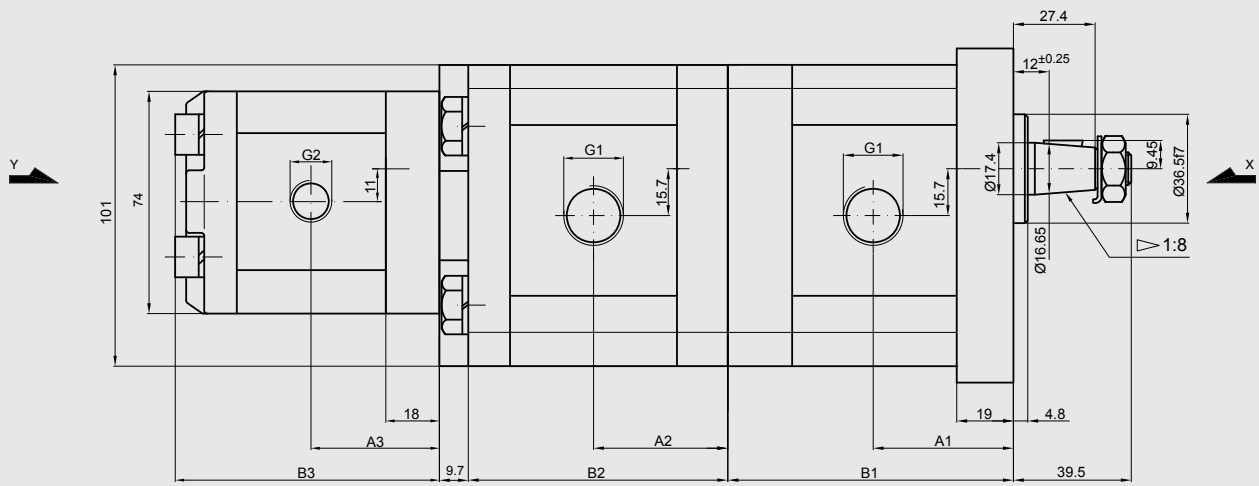
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 |
| 630 | 6.3 | 8.69 | 20.29 | | |
| 820 | 8.2 | 11.32 | 26.40 | | |
| 1000 | 10 | 13.95 | 32.55 | | |
| 1130 | 11.3 | 15.76 | 36.78 | | |
| 1200 | 12 | 16.92 | 39.48 | | |
| 1400 | 14 | 19.95 | 46.55 | | |
| 1500 | 15 | 21.60 | 36.00 | | |
| 1600 | 16 | 23.04 | 38.40 | | |
| 1900 | 19 | 27.36 | 45.60 | | |
| 2200 | 22 | 31.68 | 42.24 | 180 | |
| 2500 | 25 | 36.00 | 48.00 | 160 | 2000 |

| Displacement | Dimensions | | | | | | | | | |
|--------------|------------|------------|------------|------------|-------|------|----|--------|------|----|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | Inlet | | | Outlet | | |
| | | | | | E1 | F1 | d1 | E1 | F1 | d1 |
| 450 | 42.5 | 87.2 | 40.5 | 78 | 30 | 13.1 | M6 | 30 | 13.1 | M6 |
| 630 | 44 | 90.2 | 42 | 81 | | | | | | |
| 820 | 45.5 | 93.1 | 43.5 | 83.9 | | | | | | |
| 1000 | 47 | 96.2 | 45 | 87 | | | | | | |
| 1130 | 48 | 98.2 | 46 | 89.1 | 40 | 19 | M8 | 30 | 14.2 | M6 |
| 1200 | 48.6 | 99.5 | 46.6 | 90.3 | | | | | | |
| 1400 | 50 | 102.6 | 48 | 93.4 | | | | | | |
| 1500 | 51 | 104.1 | 49 | 95 | | | | | | |
| 1600 | 52 | 105.8 | 50 | 96.6 | | | | | | |
| 1900 | 54 | 110.7 | 52 | 101.5 | | | | | | |
| 2200 | 57 | 115.7 | 55 | 106.5 | | | | | | |
| 2500 | 59.2 | 120.6 | 57.2 | 111.4 | | | | | | |

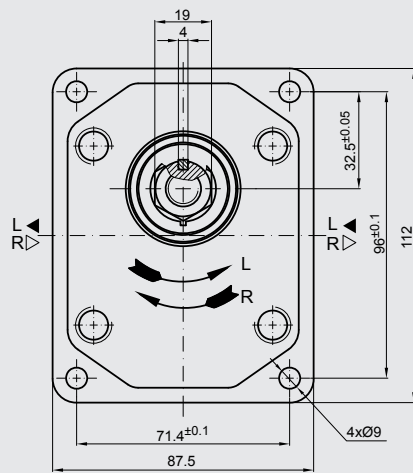
End pump size 1:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|----|----|--------|----|----|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A3 [mm] | B3 [mm] | Inlet | | | Outlet | | |
| | | | | | | | | E2 | F2 | d2 | E2 | F2 | d2 |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 | 39.1 | 81 | 30 | 12 | M6 | 30 | 12 | M6 |
| 125 | 1.25 | 1.74 | 4.07 | | | 39.5 | 82 | | | | | | |
| 160 | 1.6 | 2.23 | 5.21 | | | 40.3 | 83.6 | | | | | | |
| 200 | 2 | 2.82 | 6.58 | | | 41.1 | 85.2 | | | | | | |
| 250 | 2.5 | 3.53 | 8.23 | | | 42.1 | 87.2 | | | | | | |
| 315 | 3.15 | 4.44 | 10.36 | | | 43.5 | 89.8 | | | | | | |
| 365 | 3.65 | 5.15 | 12.01 | | | 44.4 | 91.9 | | | | | | |
| 420 | 4.2 | 5.92 | 13.82 | | | 45.5 | 94.1 | | | | | | |
| 500 | 5 | 7.05 | 14.10 | | | 47.1 | 97.2 | | | | | | |
| 610 | 6.1 | 8.69 | 14.49 | | | 200 | 2500 | | | | | | |
| 740 | 7.4 | 10.55 | 17.58 | 170 | 52.1 | 107.2 | | | | | | | |

PGE104-.../.../...-BR1/1/1-N



View Y



View X

Front and middle pump size 2:

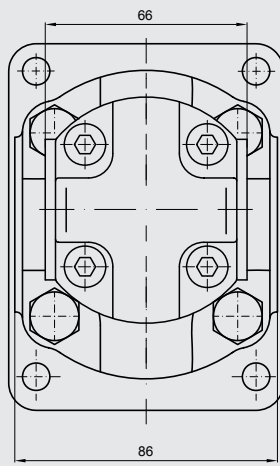
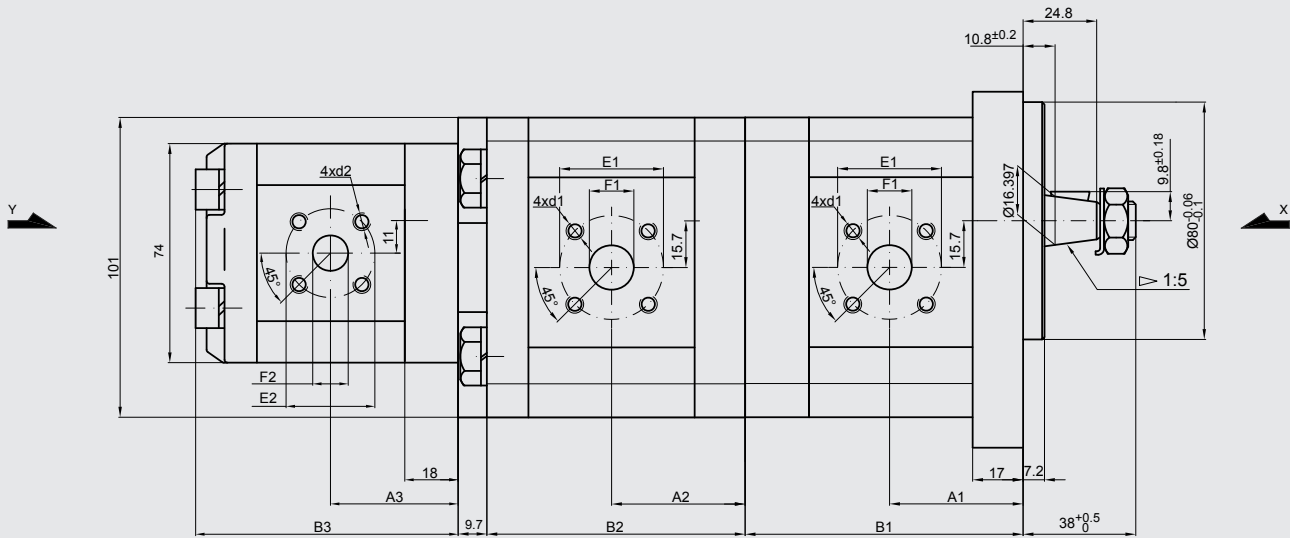
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 |
| 630 | 6.3 | 8.69 | 20.29 | | |
| 820 | 8.2 | 11.32 | 26.40 | | |
| 1000 | 10 | 13.95 | 32.55 | | |
| 1130 | 11.3 | 15.76 | 36.78 | | |
| 1200 | 12 | 16.92 | 39.48 | | |
| 1400 | 14 | 19.95 | 46.55 | | |
| 1500 | 15 | 21.60 | 36.00 | | |
| 1600 | 16 | 23.04 | 38.40 | 200 | 2500 |
| 1900 | 19 | 27.36 | 45.60 | | |
| 2200 | 22 | 31.68 | 42.24 | 180 | 2000 |
| 2500 | 25 | 36.00 | 48.00 | 160 | |

| Displacement | Dimensions | | | | Inlet G1 | Outlet G1 |
|--------------|------------|------------|------------|------------|-------------|--------------|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | | |
| 450 | 42.5 | 87.2 | 40.5 | 78 | G 1/2 | G 1/2 |
| 630 | 44 | 90.2 | 42 | 81 | | |
| 820 | 45.5 | 93.1 | 43.5 | 83.9 | | |
| 1000 | 47 | 96.2 | 45 | 87 | | |
| 1130 | 48 | 98.2 | 46 | 89.1 | G 3/4 | |
| 1200 | 48.6 | 99.5 | 46.6 | 90.3 | | |
| 1400 | 50 | 102.6 | 48 | 93.4 | | |
| 1500 | 51 | 104.1 | 49 | 95 | | |
| 1600 | 52 | 105.8 | 50 | 96.6 | | |
| 1900 | 54 | 110.7 | 52 | 101.5 | | |
| 2200 | 57 | 115.7 | 55 | 106.5 | | |
| 2500 | 59.2 | 120.6 | 57.2 | 111.4 | | |

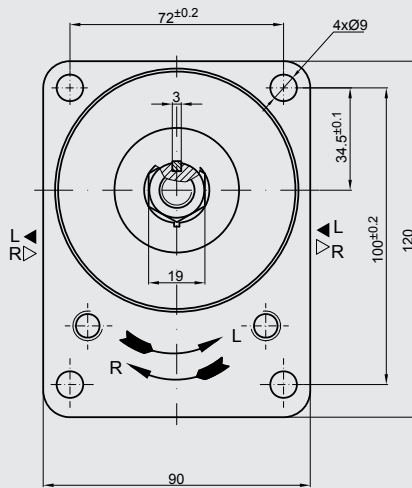
End pump size 1:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|-------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A3 [mm] | B3 [mm] | Inlet G2 | Outlet G2 | |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 | 39.1 | 81 | G 3/8 | G 3/8 | |
| 125 | 1.25 | 1.74 | 4.07 | | | 39.5 | 82 | | | |
| 160 | 1.6 | 2.23 | 5.21 | | | 40.3 | 83.6 | | | |
| 200 | 2 | 2.82 | 6.58 | | | 41.1 | 85.2 | | | |
| 250 | 2.5 | 3.53 | 8.23 | | | 42.1 | 87.2 | | | |
| 315 | 3.15 | 4.44 | 10.36 | | | 43.5 | 89.8 | | | |
| 365 | 3.65 | 5.15 | 12.01 | | | 44.4 | 91.9 | | | |
| 420 | 4.2 | 5.92 | 13.82 | | | 45.5 | 94.1 | | | |
| 500 | 5 | 7.05 | 14.10 | | | 47.1 | 97.2 | G 1/2 | | |
| 610 | 6.1 | 8.69 | 14.49 | | | 200 | 49.4 | | | 101.8 |
| 740 | 7.4 | 10.55 | 17.58 | | | 170 | 52.1 | | | 107.2 |

PGE104-.../.../...-AT5/5/5-N



View Y



View X

Front and middle pump size 2:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 |
| 630 | 6.3 | 8.69 | 20.29 | | |
| 820 | 8.2 | 11.32 | 26.40 | | |
| 1000 | 10 | 13.95 | 32.55 | | |
| 1130 | 11.3 | 15.76 | 36.78 | | |
| 1200 | 12 | 16.92 | 39.48 | | |
| 1400 | 14 | 19.95 | 46.55 | | |
| 1500 | 15 | 21.60 | 36.00 | | |
| 1600 | 16 | 23.04 | 38.40 | | |
| 1900 | 19 | 27.36 | 45.60 | | |
| 2200 | 22 | 31.68 | 42.24 | 180 | |
| 2500 | 25 | 36.00 | 48.00 | 160 | 2000 |

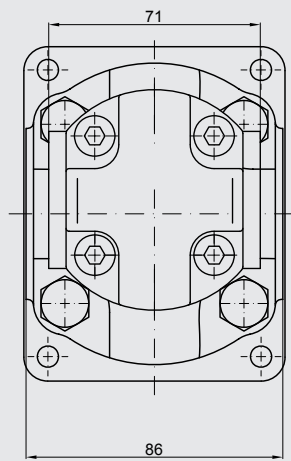
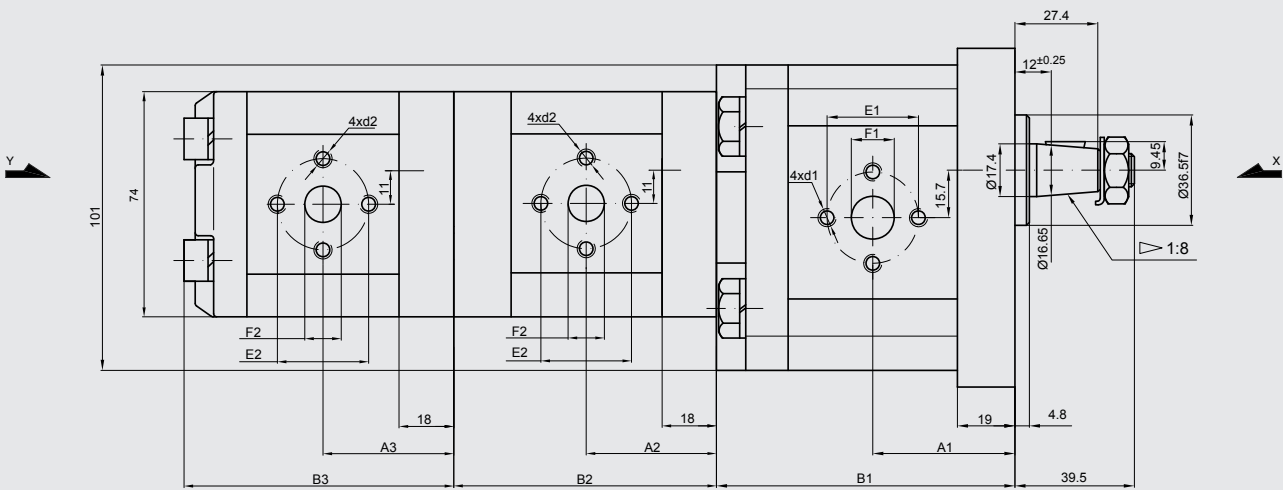
| Displacement | Dimensions | | | | | | | | | |
|--------------|------------|------------|------------|------------|-------|----|----|--------|----|----|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | Inlet | | | Outlet | | |
| | | | | | E1 | F1 | d1 | E1 | F1 | d1 |
| 450 | 39.8 | 85.2 | 40.5 | 78 | 40 | 15 | M6 | 35 | 15 | M6 |
| 630 | 41 | 88.2 | 42 | 81 | | | | | | |
| 820 | 43.1 | 91.1 | 43.5 | 83.9 | | | | | | |
| 1000 | 47.5 | 94.1 | 45 | 87 | | | | | | |
| 1130 | 47.5 | 96.2 | 46 | 89.1 | | | | | | |
| 1200 | 47.5 | 97.5 | 46.6 | 90.3 | | | | | | |
| 1400 | 47.5 | 100.6 | 48 | 93.4 | | | | | | |
| 1500 | 47.5 | 102.1 | 49 | 95 | | | | | | |
| 1600 | 47.5 | 103.8 | 50 | 96.6 | | | | | | |
| 1900 | 47.5 | 108.7 | 52 | 101.5 | | | | | | |
| 2200 | 55 | 113.7 | 55 | 106.5 | | | | | | |
| 2500 | 57.2 | 118.5 | 57.2 | 111.4 | | | | | | |

End pump size 1:

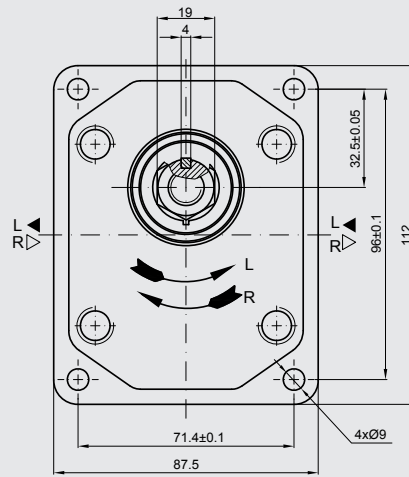
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|----|----|--------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A3 [mm] | B3 [mm] | Inlet | | | Outlet |
| | | | | | | E2 | F2 | d2 | E2 | F2 | d2 |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 | 30 | 12 | M6 | 30 | 12 | M6 |
| 125 | 1.25 | 1.74 | 4.07 | | | | | | | | |
| 160 | 1.6 | 2.23 | 5.21 | | | | | | | | |
| 200 | 2 | 2.82 | 6.58 | | | | | | | | |
| 250 | 2.5 | 3.53 | 8.23 | | | | | | | | |
| 315 | 3.15 | 4.44 | 10.36 | | | | | | | | |
| 365 | 3.65 | 5.15 | 12.01 | | | | | | | | |
| 420 | 4.2 | 5.92 | 13.82 | | | | | | | | |
| 500 | 5 | 7.05 | 14.10 | | | | | | | | |
| 610 | 6.1 | 8.69 | 14.49 | | | | | | | | |
| 740 | 7.4 | 10.55 | 17.58 | 200 | 2500 | 49.4 | 101.8 | | | | |
| | | | | 170 | | 52.1 | 107.2 | | | | |

6.5.25 Triple pump size 2 / size 1 / size 1

PGE104-.../.../...-BR4/4/4-N



View Y



View X

Front pump size 2:

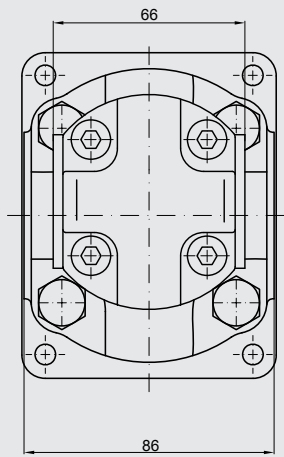
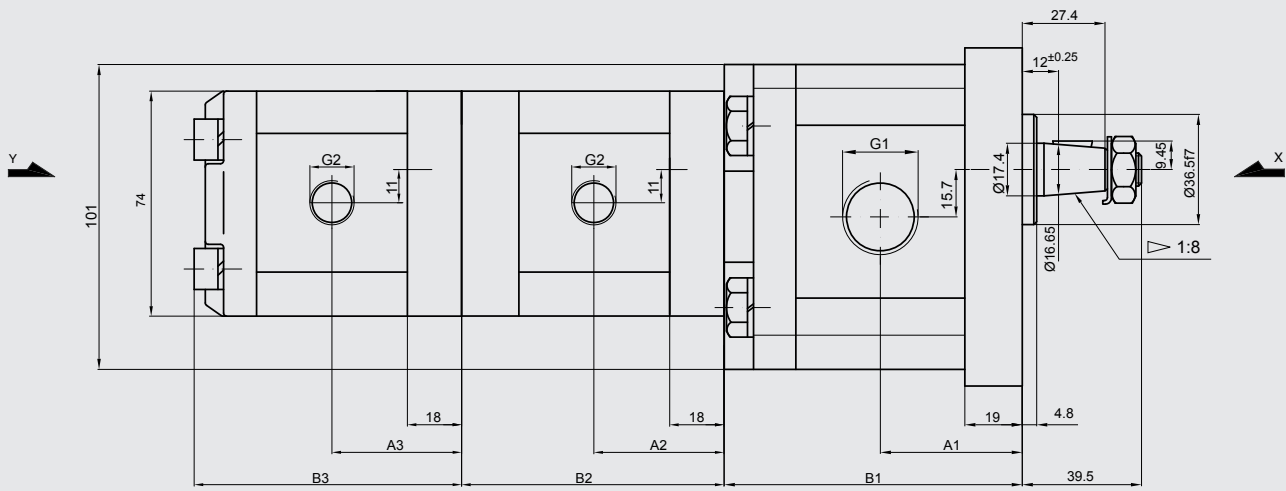
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|------|----|--------|------|----|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet | | | Outlet | | |
| | | | | | | | | E1 | F1 | d1 | E1 | F1 | d1 |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | 42.5 | 89.7 | 30 | 13.1 | M6 | 30 | 13.1 | M6 |
| 630 | 6.3 | 8.69 | 20.29 | | | 44 | 92.7 | | | | | | |
| 820 | 8.2 | 11.32 | 26.40 | | | 45.5 | 95.6 | | | | | | |
| 1000 | 10 | 13.95 | 32.55 | | | 47 | 98.7 | | | | | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | 48 | 100.7 | | | | | | |
| 1200 | 12 | 16.92 | 39.48 | | | 48.6 | 102 | | | | | | |
| 1400 | 14 | 19.95 | 46.55 | | | 50 | 105.1 | | | | | | |
| 1500 | 15 | 21.60 | 36.00 | | | 51 | 106.6 | | | | | | |
| 1600 | 16 | 23.04 | 38.40 | | | 52 | 108.3 | | | | | | |
| 1900 | 19 | 27.36 | 45.60 | | | 200 | 54 | 113.2 | 40 | 19 | | M8 | |
| 2200 | 22 | 31.68 | 42.24 | 180 | 57 | 118.2 | | | | | | | |
| 2500 | 25 | 36.00 | 48.00 | 160 | 59.2 | 123.1 | | | | | | | |

Middle and end pump size 1:

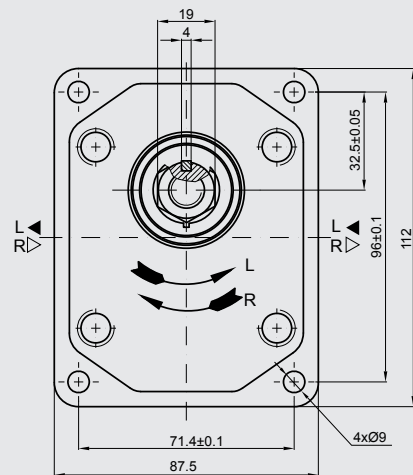
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 | |
| 125 | 1.25 | 1.74 | 4.07 | | | |
| 160 | 1.6 | 2.23 | 5.21 | | | |
| 200 | 2 | 2.82 | 6.58 | | | |
| 250 | 2.5 | 3.53 | 8.23 | | | |
| 315 | 3.15 | 4.44 | 10.36 | | | |
| 365 | 3.65 | 5.15 | 12.01 | | | |
| 420 | 4.2 | 5.92 | 13.82 | | | |
| 500 | 5 | 7.05 | 14.10 | | | 3000 |
| 610 | 6.1 | 8.69 | 14.49 | | | 200 |
| 740 | 7.4 | 10.55 | 17.58 | 170 | | |

| Displacement | Dimensions | | | | | | Outlet | | | |
|--------------|------------|------------|------------|------------|-------|----|--------|----|----|----|
| | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | Inlet | | | E2 | F2 | d2 |
| | | | | | E2 | F2 | d2 | | | |
| 100 | 39.1 | 79 | 39.1 | 79 | 30 | 12 | M6 | 30 | 12 | M6 |
| 125 | 39.5 | 80 | 39.5 | 80 | | | | | | |
| 160 | 40.3 | 81.6 | 40.3 | 81.6 | | | | | | |
| 200 | 41.1 | 83.2 | 41.1 | 83.2 | | | | | | |
| 250 | 42.1 | 85.2 | 42.1 | 85.2 | | | | | | |
| 315 | 43.5 | 87.8 | 43.5 | 87.8 | | | | | | |
| 365 | 44.4 | 89.9 | 44.4 | 89.9 | | | | | | |
| 420 | 45.5 | 92.1 | 45.5 | 92.1 | | | | | | |
| 500 | 47.1 | 95.2 | 47.1 | 95.2 | | | | | | |
| 610 | 49.4 | 99.8 | 49.4 | 99.8 | | | | | | |
| 740 | 52.1 | 105.2 | 52.1 | 105.2 | | | | | | |

PGE104-.../.../...-BR1/1/1-N



View Y



View X

Front pump size 2:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet G1 | Outlet G1 |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | 42.5 | 89.7 | G 1/2 | G 1/2 |
| 630 | 6.3 | 8.69 | 20.29 | | | 44 | 92.7 | | |
| 820 | 8.2 | 11.32 | 26.40 | | | 45.5 | 95.6 | | |
| 1000 | 10 | 13.95 | 32.55 | | | 47 | 98.7 | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | 48 | 100.7 | G 3/4 | |
| 1200 | 12 | 16.92 | 39.48 | | | 48.6 | 102 | | |
| 1400 | 14 | 19.95 | 46.55 | | | 50 | 105.1 | | |
| 1500 | 15 | 21.60 | 36.00 | | | 51 | 106.6 | | |
| 1600 | 16 | 23.04 | 38.40 | | | 52 | 108.3 | | |
| 1900 | 19 | 27.36 | 45.60 | | | 54 | 113.2 | | |
| 2200 | 22 | 31.68 | 42.24 | 200 | 57 | 118.2 | 2000 | | |
| 2500 | 25 | 36.00 | 48.00 | 180 | 59.2 | 123.1 | | | |
| | | | | 160 | | | | | |

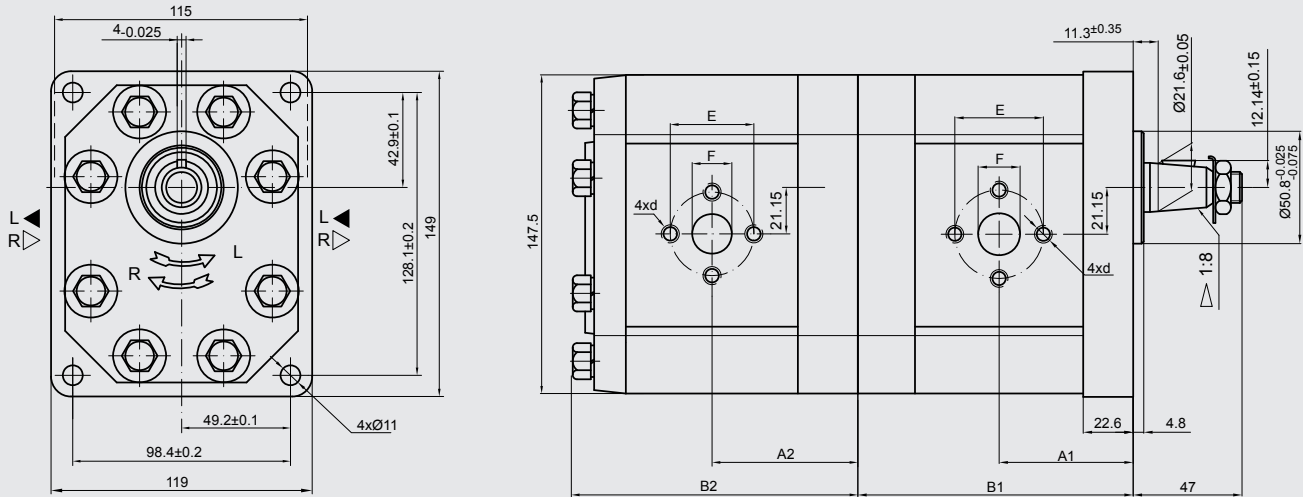
Middle and end pump size 1:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 | |
| 125 | 1.25 | 1.74 | 4.07 | | | |
| 160 | 1.6 | 2.23 | 5.21 | | | |
| 200 | 2 | 2.82 | 6.58 | | | |
| 250 | 2.5 | 3.53 | 8.23 | | | |
| 315 | 3.15 | 4.44 | 10.36 | | | |
| 365 | 3.65 | 5.15 | 12.01 | | | |
| 420 | 4.2 | 5.92 | 13.82 | | | |
| 500 | 5 | 7.05 | 14.10 | | | 3000 |
| 610 | 6.1 | 8.69 | 14.49 | | | 200 |
| 740 | 7.4 | 10.55 | 17.58 | 170 | | |

| Displacement | Dimensions | | | | Inlet G2 | Outlet G2 |
|--------------|------------|------------|------------|------------|-------------|--------------|
| | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | | |
| 100 | 39.1 | 79 | 39.1 | 79 | G 3/8 | G 3/8 |
| 125 | 39.5 | 80 | 39.5 | 80 | | |
| 160 | 40.3 | 81.6 | 40.3 | 81.6 | | |
| 200 | 41.1 | 83.2 | 41.1 | 83.2 | | |
| 250 | 42.1 | 85.2 | 42.1 | 85.2 | | |
| 315 | 43.5 | 87.8 | 43.5 | 87.8 | | |
| 365 | 44.4 | 89.9 | 44.4 | 89.9 | | |
| 420 | 45.5 | 92.1 | 45.5 | 92.1 | | |
| 500 | 47.1 | 95.2 | 47.1 | 95.2 | | |
| 610 | 49.4 | 99.8 | 49.4 | 99.8 | | |
| 740 | 52.1 | 105.2 | 52.1 | 105.2 | | |

6.5.26 Double pump size 3

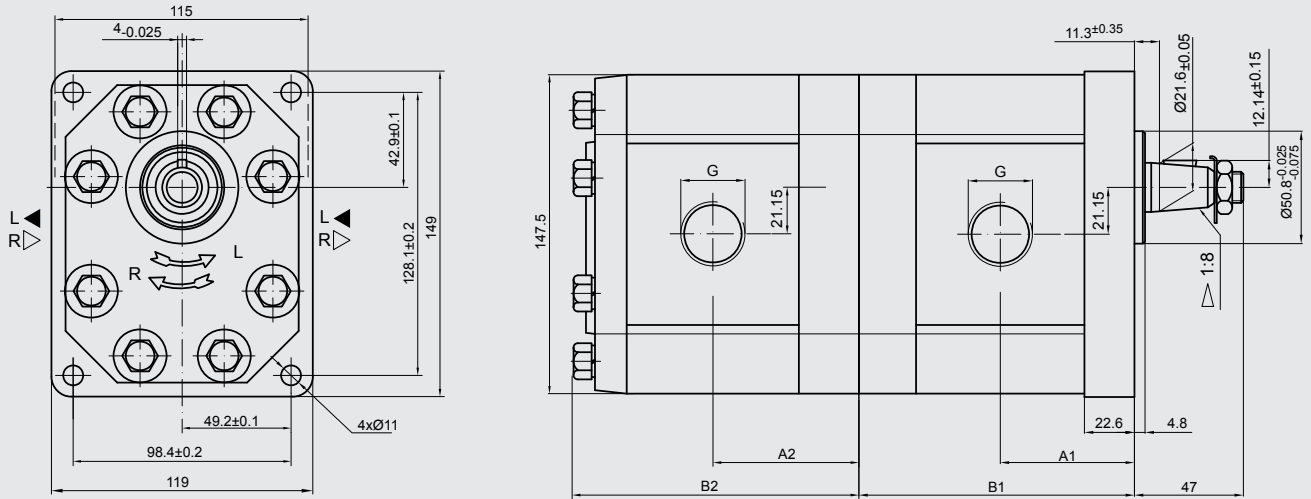
PGE104-.../...-BS4/4-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

| Displacement | Dimensions | | | | | | | | | |
|--------------|------------|------------|------------|------------|-------|----|-----|--------|----|----|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | Inlet | | | Outlet | | |
| | | | | | E | F | d | E | F | d |
| 2000 | 56.1 | 114.7 | 58.3 | 118.9 | 40 | 19 | M8 | 40 | 19 | M8 |
| 2250 | 57.6 | 117.7 | 59.7 | 121.9 | | | | | | |
| 2500 | 58.3 | 119.1 | 60.5 | 123.3 | | | | | | |
| 2800 | 60.2 | 122.7 | 62.4 | 126.9 | | | | | | |
| 3200 | 66.5 | 135.3 | 68.7 | 139.5 | | | | | | |
| 3600 | 68.0 | 138.5 | 70.2 | 142.7 | 51 | 27 | M10 | 40 | 19 | M8 |
| 4200 | 70.8 | 144.0 | 73.0 | 148.3 | | | | | | |
| 4600 | 72.7 | 147.8 | 74.9 | 152.0 | | | | | | |
| 5000 | 74.5 | 151.4 | 76.7 | 155.6 | | | | | | |
| 5500 | 76.7 | 155.9 | 78.9 | 160.1 | | | | | | |
| 6000 | 78.7 | 160.4 | 80.9 | 164.6 | | | | | | |

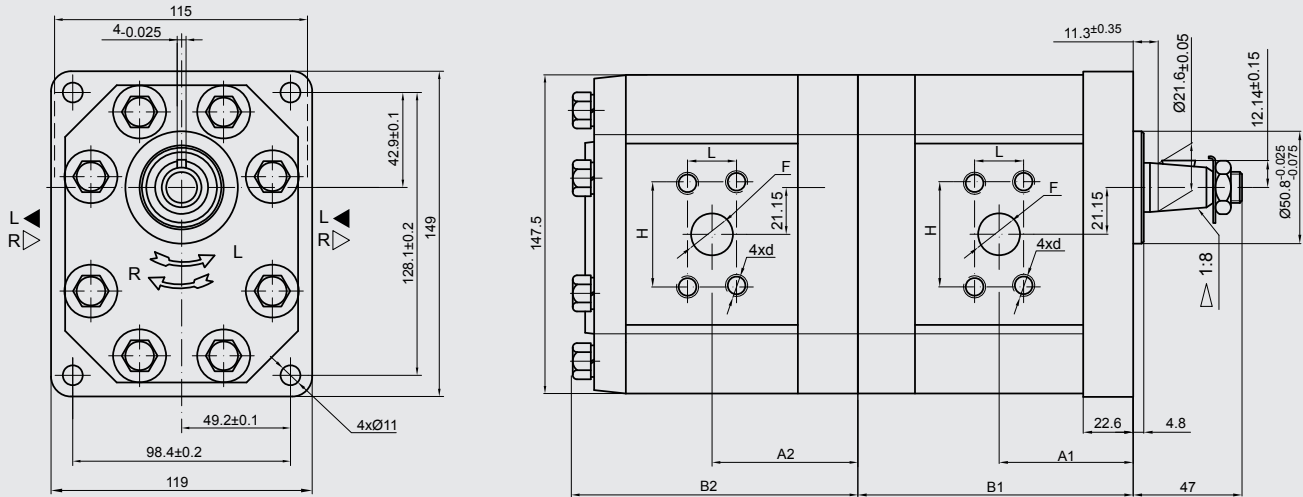
PGE104-.../...-BS1/1-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

| Displacement | Dimensions | | | | Inlet G | Outlet G |
|--------------|------------|---------|---------|---------|---------|----------|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | | |
| 2000 | 56.1 | 114.7 | 58.3 | 118.9 | G 3/4 | G 3/4 |
| 2250 | 57.6 | 117.7 | 59.7 | 121.9 | | |
| 2500 | 58.3 | 119.1 | 60.5 | 123.3 | | |
| 2800 | 60.2 | 122.7 | 62.4 | 126.9 | | |
| 3200 | 66.5 | 135.3 | 68.7 | 139.5 | | |
| 3600 | 68.0 | 138.5 | 70.2 | 142.7 | | |
| 4200 | 70.8 | 144.0 | 73.0 | 148.3 | | |
| 4600 | 72.7 | 147.8 | 74.9 | 152.0 | | |
| 5000 | 74.5 | 151.4 | 76.7 | 155.6 | G 1 | |
| 5500 | 76.7 | 155.9 | 78.9 | 160.1 | | |
| 6000 | 78.7 | 160.4 | 80.9 | 164.6 | | |

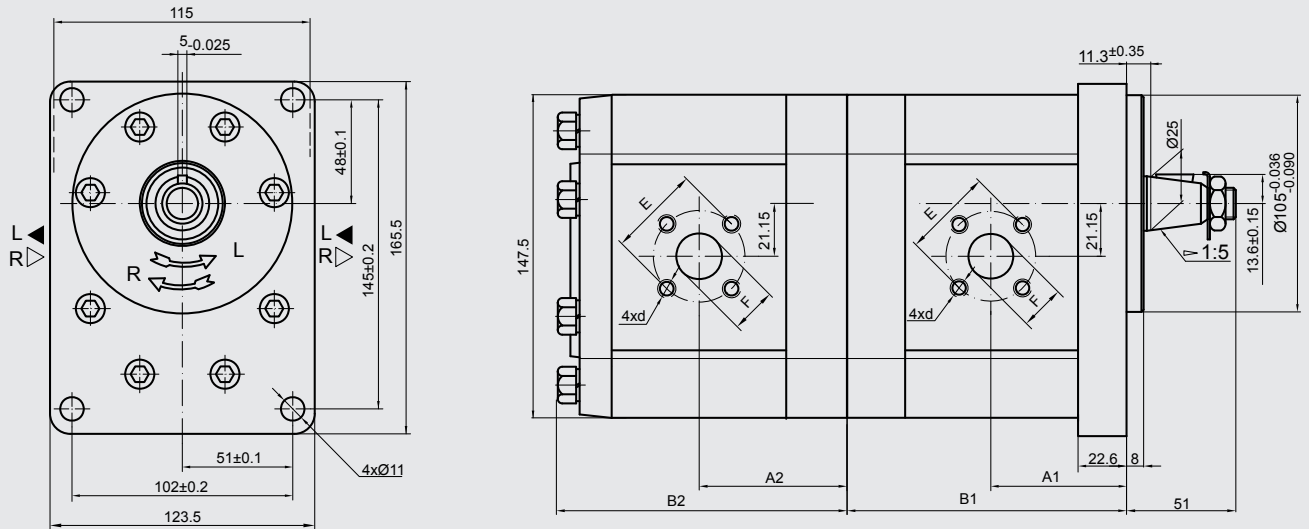
PGE104-.../....-BS7/7-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

| Displacement | Dimensions | | | | | | | | | | | |
|--------------|------------|------------|------------|------------|-------|-----|------|------|--------|-----|------|------|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | Inlet | | | | Outlet | | | |
| | | | | | F | d | H | L | F | d | H | L |
| 2000 | 56.1 | 114.7 | 58.3 | 118.9 | 19 | M10 | 47.6 | 22.2 | 19 | M10 | 47.6 | 22.2 |
| 2250 | 57.6 | 117.7 | 59.7 | 121.9 | | | | | | | | |
| 2500 | 58.3 | 119.1 | 60.5 | 123.3 | | | | | | | | |
| 2800 | 60.2 | 122.7 | 62.4 | 126.9 | | | | | | | | |
| 3200 | 66.5 | 135.3 | 68.7 | 139.5 | | | | | | | | |
| 3600 | 68.0 | 138.5 | 70.2 | 142.7 | 27 | M10 | 52.4 | 26.2 | 19 | M10 | 47.6 | 22.2 |
| 4200 | 70.8 | 144.0 | 73.0 | 148.3 | | | | | | | | |
| 4600 | 72.7 | 147.8 | 74.9 | 152.0 | | | | | | | | |
| 5000 | 74.5 | 151.4 | 76.7 | 155.6 | | | | | | | | |
| 5500 | 76.7 | 155.9 | 78.9 | 160.1 | | | | | | | | |
| 6000 | 78.7 | 160.4 | 80.9 | 164.6 | | | | | | | | |

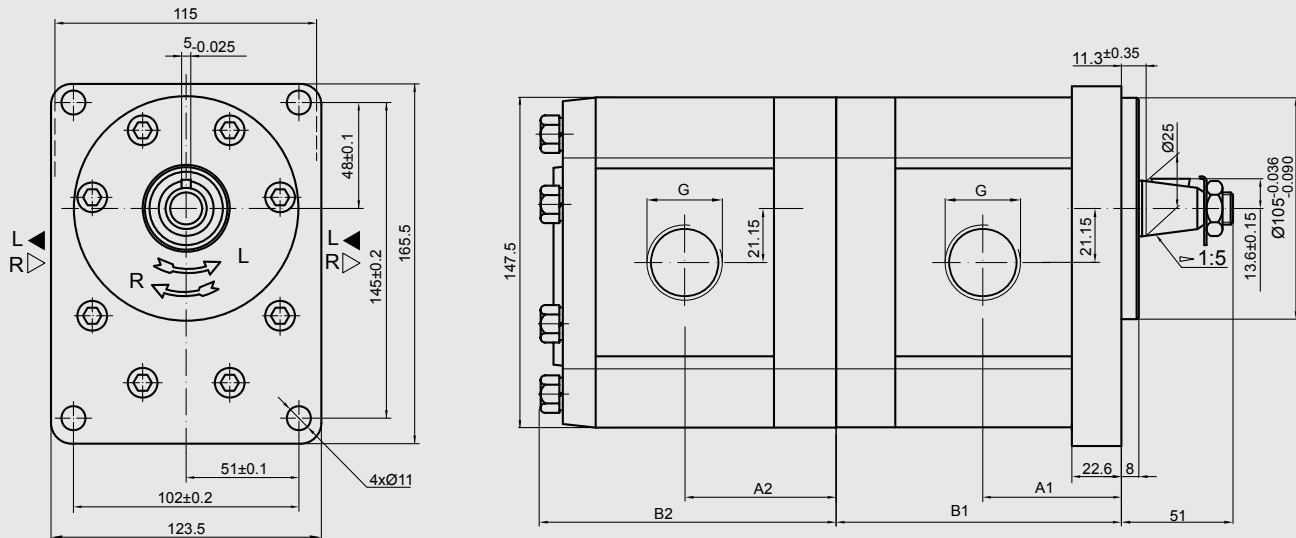
PGE104-.../...-AV5/5-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

| Displacement | Dimensions | | | | Inlet | | | Outlet | | |
|--------------|------------|------------|------------|------------|-------|----|----|--------|----|----|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | E | F | d | E | F | d |
| 2000 | 56.1 | 114.7 | 58.3 | 118.9 | 40 | 19 | M8 | 40 | 19 | M8 |
| 2250 | 57.6 | 117.7 | 59.7 | 121.9 | | | | | | |
| 2500 | 58.3 | 119.1 | 60.5 | 123.3 | | | | | | |
| 2800 | 60.2 | 122.7 | 62.4 | 126.9 | | | | | | |
| 3200 | 66.5 | 135.3 | 68.7 | 139.5 | | | | | | |
| 3600 | 68.0 | 138.5 | 70.2 | 142.7 | 55 | 27 | M8 | 55 | 19 | M8 |
| 4200 | 70.8 | 144.0 | 73.0 | 148.3 | | | | | | |
| 4600 | 72.7 | 147.8 | 74.9 | 152.0 | | | | | | |
| 5000 | 74.5 | 151.4 | 76.7 | 155.6 | | | | | | |
| 5500 | 76.7 | 155.9 | 78.9 | 160.1 | | | | | | |
| 6000 | 78.7 | 160.4 | 80.9 | 164.6 | | | | | | |

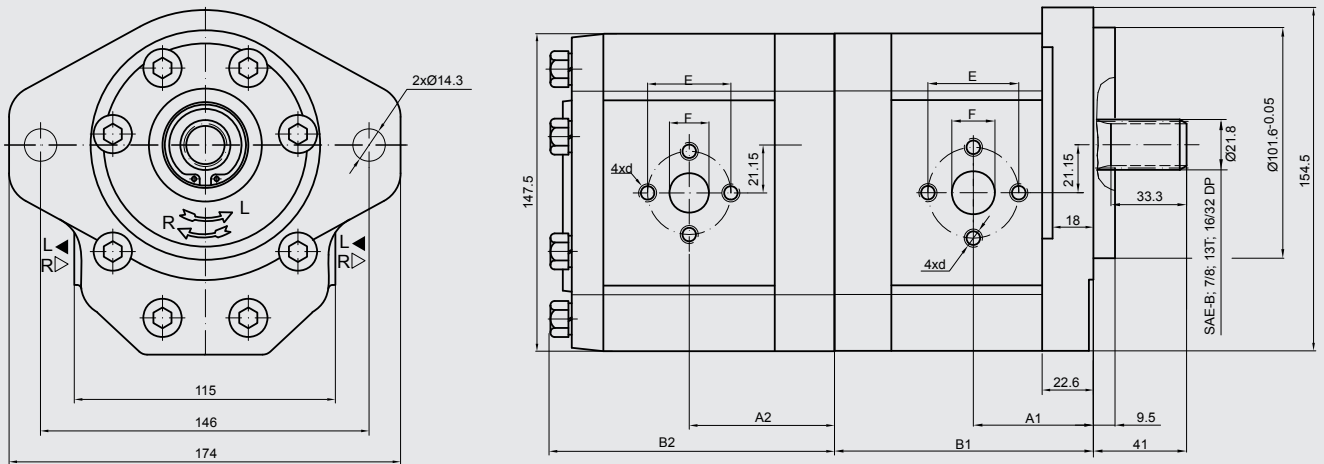
PGE104-.../...-AV1/1-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

| Displacement | Dimensions | | | | Inlet G | Outlet G |
|--------------|------------|------------|------------|------------|------------|-------------|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | | |
| 2000 | 56.1 | 114.7 | 58.3 | 118.9 | G 3/4 | G 3/4 |
| 2250 | 57.6 | 117.7 | 59.7 | 121.9 | | |
| 2500 | 58.3 | 119.1 | 60.5 | 123.3 | | |
| 2800 | 60.2 | 122.7 | 62.4 | 126.9 | | |
| 3200 | 66.5 | 135.3 | 68.7 | 139.5 | | |
| 3600 | 68.0 | 138.5 | 70.2 | 142.7 | G 1 | |
| 4200 | 70.8 | 144.0 | 73.0 | 148.3 | | |
| 4600 | 72.7 | 147.8 | 74.9 | 152.0 | | |
| 5000 | 74.5 | 151.4 | 76.7 | 155.6 | | |
| 5500 | 76.7 | 155.9 | 78.9 | 160.1 | | |
| 6000 | 78.7 | 160.4 | 80.9 | 164.6 | | |

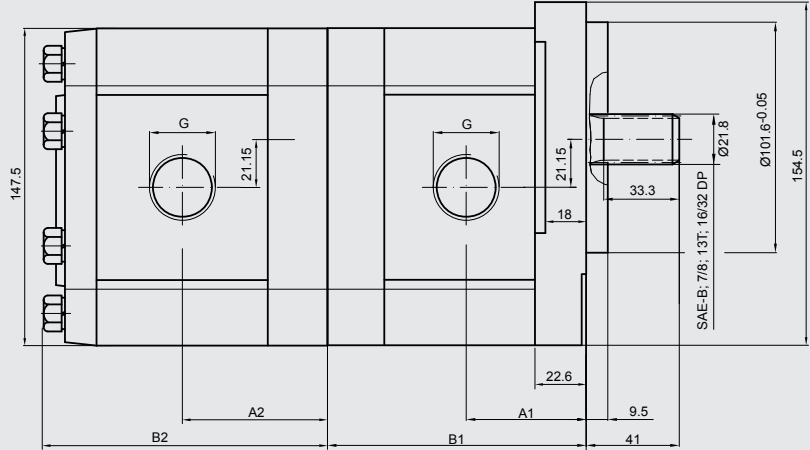
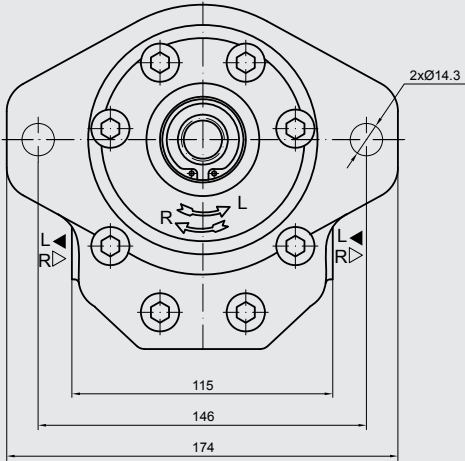
PGE104-.../...-FX4/4-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

| Displacement | Dimensions | | | | | | | | | |
|--------------|------------|------------|------------|------------|-------|----|-----|--------|----|----|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | Inlet | | | Outlet | | |
| | | | | | E | F | d | E | F | d |
| 2000 | 56.1 | 114.7 | 58.3 | 118.9 | 40 | 19 | M8 | 40 | 19 | M8 |
| 2250 | 57.6 | 117.7 | 59.7 | 121.9 | | | | | | |
| 2500 | 58.3 | 119.1 | 60.5 | 123.3 | | | | | | |
| 2800 | 60.2 | 122.7 | 62.4 | 126.9 | | | | | | |
| 3200 | 66.5 | 135.3 | 68.7 | 139.5 | | | | | | |
| 3600 | 68.0 | 138.5 | 70.2 | 142.7 | 51 | 27 | M10 | 40 | 19 | M8 |
| 4200 | 70.8 | 144.0 | 73.0 | 148.3 | | | | | | |
| 4600 | 72.7 | 147.8 | 74.9 | 152.0 | | | | | | |
| 5000 | 74.5 | 151.4 | 76.7 | 155.6 | | | | | | |
| 5500 | 76.7 | 155.9 | 78.9 | 160.1 | | | | | | |
| 6000 | 78.7 | 160.4 | 80.9 | 164.6 | | | | | | |

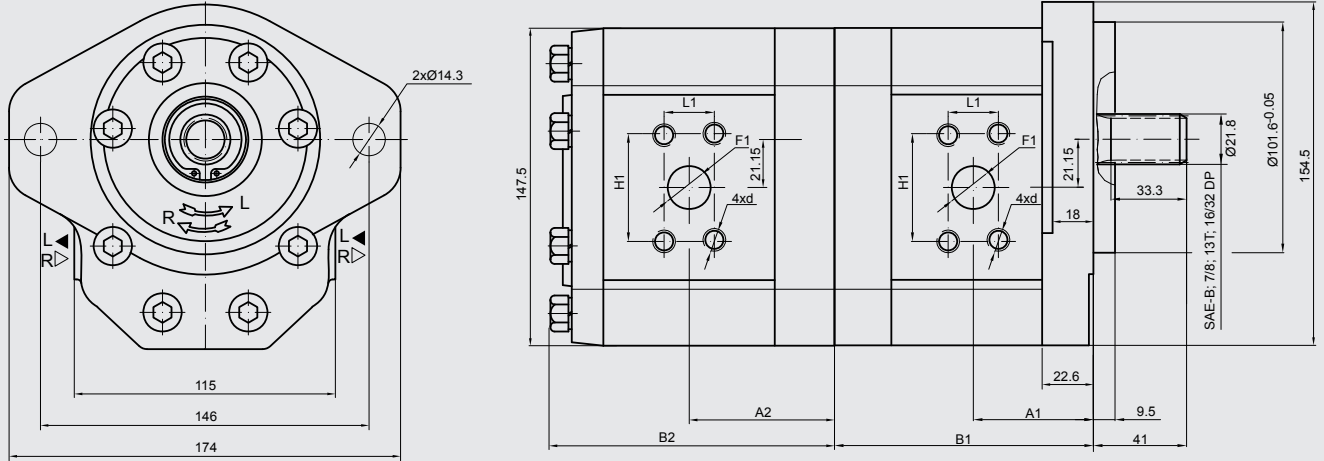
PGE104-.../...-FX1/1-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

| Displacement | Dimensions | | | | Inlet G | Outlet G |
|--------------|------------|------------|------------|------------|------------|-------------|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | | |
| 2000 | 56.1 | 114.7 | 58.3 | 118.9 | G 3/4 | G 3/4 |
| 2250 | 57.6 | 117.7 | 59.7 | 121.9 | | |
| 2500 | 58.3 | 119.1 | 60.5 | 123.3 | | |
| 2800 | 60.2 | 122.7 | 62.4 | 126.9 | | |
| 3200 | 66.5 | 135.3 | 68.7 | 139.5 | | |
| 3600 | 68.0 | 138.5 | 70.2 | 142.7 | G 1 | |
| 4200 | 70.8 | 144.0 | 73.0 | 148.3 | | |
| 4600 | 72.7 | 147.8 | 74.9 | 152.0 | | |
| 5000 | 74.5 | 151.4 | 76.7 | 155.6 | | |
| 5500 | 76.7 | 155.9 | 78.9 | 160.1 | | |
| 6000 | 78.7 | 160.4 | 80.9 | 164.6 | | |

PGE104-.../...-FX7/7-N

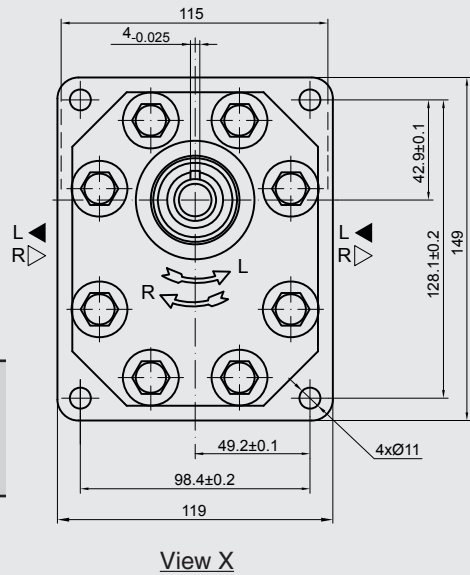
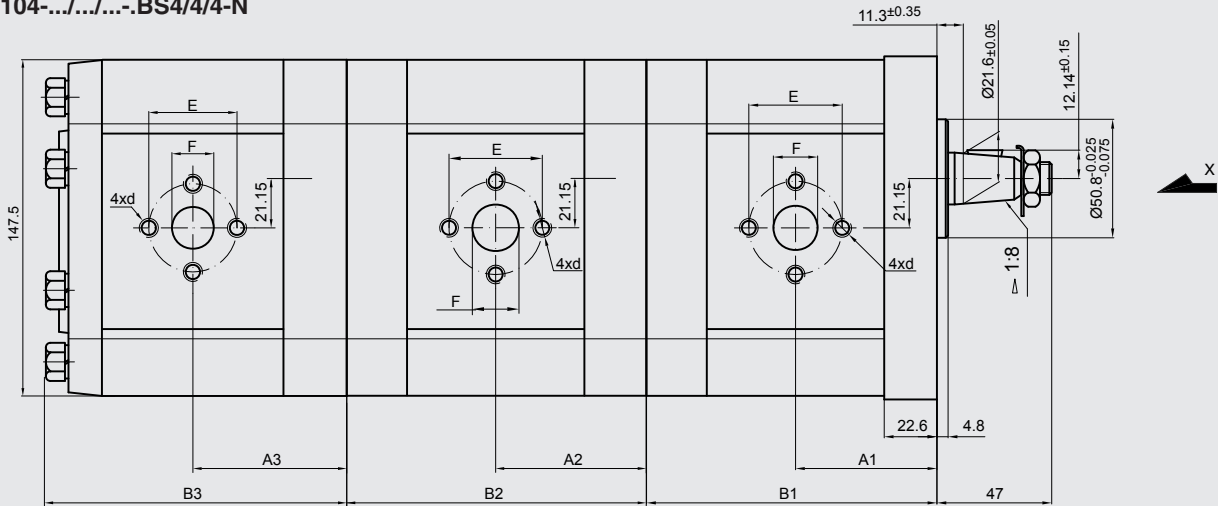


| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

| Displacement | Dimensions | | | | | | | | | | | |
|--------------|------------|------------|------------|------------|-------|-----|------|------|--------|-----|------|------|
| | Dimensions | | | | Inlet | | | | Outlet | | | |
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | F1 | d | H1 | L1 | F1 | d | H1 | L1 |
| 2000 | 56.1 | 114.7 | 58.3 | 118.9 | 19 | M10 | 47.6 | 22.2 | 19 | M10 | 47.6 | 22.2 |
| 2250 | 57.6 | 117.7 | 59.7 | 121.9 | | | | | | | | |
| 2500 | 58.3 | 119.1 | 60.5 | 123.3 | | | | | | | | |
| 2800 | 60.2 | 122.7 | 62.4 | 126.9 | | | | | | | | |
| 3200 | 66.5 | 135.3 | 68.7 | 139.5 | | | | | | | | |
| 3600 | 68.0 | 138.5 | 70.2 | 142.7 | 27 | M10 | 52.4 | 26.2 | 19 | M10 | 47.6 | 22.2 |
| 4200 | 70.8 | 144.0 | 73.0 | 148.3 | | | | | | | | |
| 4600 | 72.7 | 147.8 | 74.9 | 152.0 | | | | | | | | |
| 5000 | 74.5 | 151.4 | 76.7 | 155.6 | | | | | | | | |
| 5500 | 76.7 | 155.9 | 78.9 | 160.1 | | | | | | | | |
| 6000 | 78.7 | 160.4 | 80.9 | 164.6 | | | | | | | | |

6.5.27 Triple pump size 3

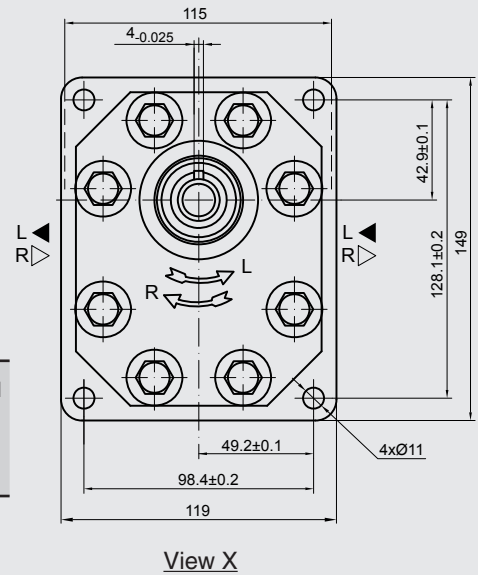
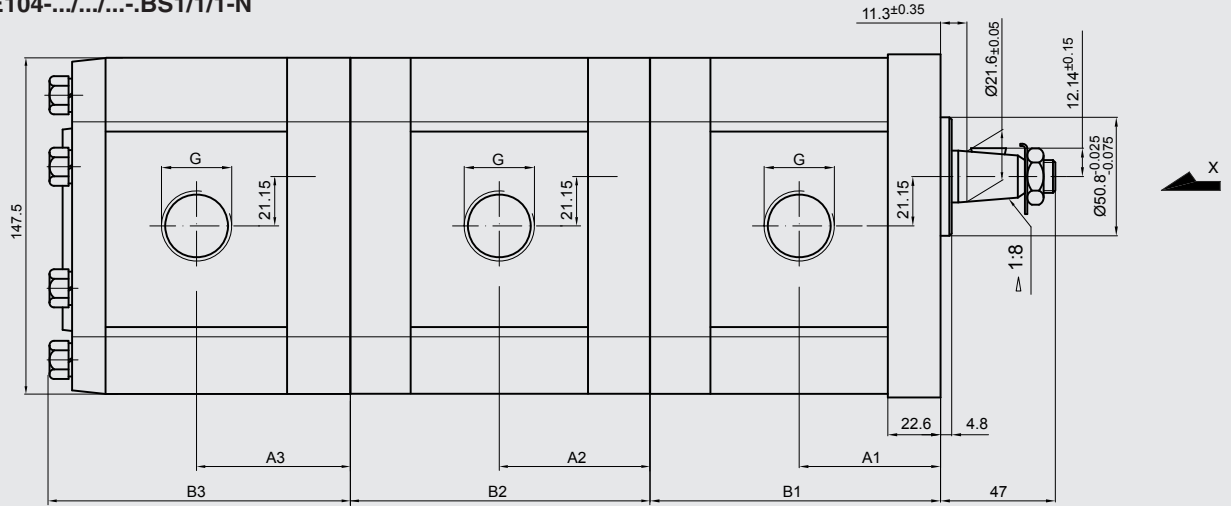
PGE104-.../.../...-BS4/4/4-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

| Displacement | Dimensions | | | | | | Inlet | | | Outlet | | |
|--------------|------------|------------|------------|------------|------------|------------|-------|----|-----|--------|----|----|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | E | F | d | E | F | d |
| 2000 | 56.1 | 114.7 | 58.5 | 117.1 | 58.3 | 118.9 | 40 | 19 | M8 | 40 | 19 | M8 |
| 2250 | 57.6 | 117.7 | 60.0 | 120.1 | 59.7 | 121.9 | | | | | | |
| 2500 | 58.3 | 119.1 | 60.8 | 121.5 | 60.5 | 123.3 | | | | | | |
| 2800 | 60.2 | 122.7 | 62.5 | 125.1 | 62.4 | 126.9 | | | | | | |
| 3200 | 66.5 | 135.3 | 68.8 | 137.7 | 68.7 | 139.5 | | | | | | |
| 3600 | 68.0 | 138.5 | 70.5 | 140.9 | 70.2 | 142.7 | 51 | 27 | M10 | 40 | 19 | M8 |
| 4200 | 70.8 | 144.0 | 73.2 | 146.5 | 73.0 | 148.3 | | | | | | |
| 4600 | 72.7 | 147.8 | 75.1 | 150.2 | 74.9 | 152.0 | | | | | | |
| 5000 | 74.5 | 151.4 | 76.9 | 153.8 | 76.7 | 155.6 | | | | | | |
| 5500 | 76.7 | 155.9 | 79.1 | 158.3 | 78.9 | 160.1 | | | | | | |
| 6000 | 78.7 | 160.4 | 81.4 | 162.8 | 80.9 | 164.6 | | | | | | |

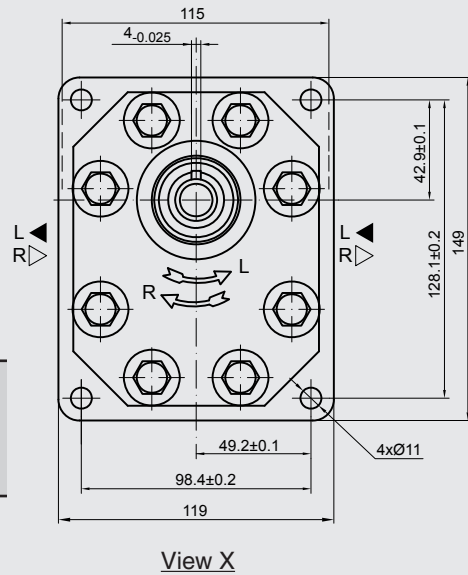
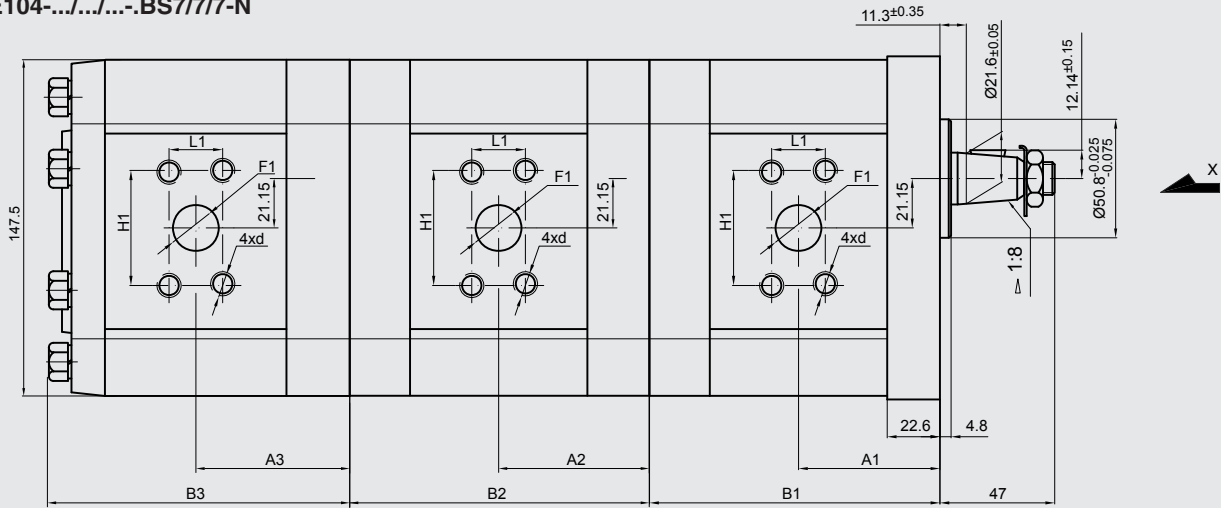
PGE104-.../...-BS1/1/1-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|-----------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

| Displacement | Dimensions | | | | | | Inlet G | Outlet G |
|--------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | | |
| 2000 | 56.1 | 114.7 | 58.5 | 117.1 | 58.3 | 118.9 | G 3/4 | G 3/4 |
| 2250 | 57.6 | 117.7 | 60.0 | 120.1 | 59.7 | 121.9 | | |
| 2500 | 58.3 | 119.1 | 60.8 | 121.5 | 60.5 | 123.3 | | |
| 2800 | 60.2 | 122.7 | 62.5 | 125.1 | 62.4 | 126.9 | | |
| 3200 | 66.5 | 135.3 | 68.8 | 137.7 | 68.7 | 139.5 | | |
| 3600 | 68.0 | 138.5 | 70.5 | 140.9 | 70.2 | 142.7 | G 1 | |
| 4200 | 70.8 | 144.0 | 73.2 | 146.5 | 73.0 | 148.3 | | |
| 4600 | 72.7 | 147.8 | 75.1 | 150.2 | 74.9 | 152.0 | | |
| 5000 | 74.5 | 151.4 | 76.9 | 153.8 | 76.7 | 155.6 | | |
| 5500 | 76.7 | 155.9 | 79.1 | 158.3 | 78.9 | 160.1 | | |
| 6000 | 78.7 | 160.4 | 81.4 | 162.8 | 80.9 | 164.6 | | |

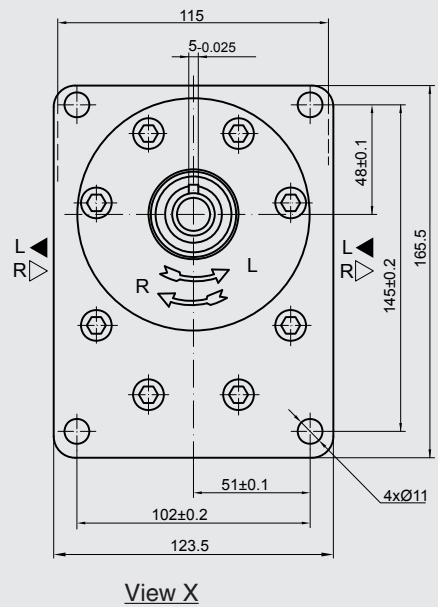
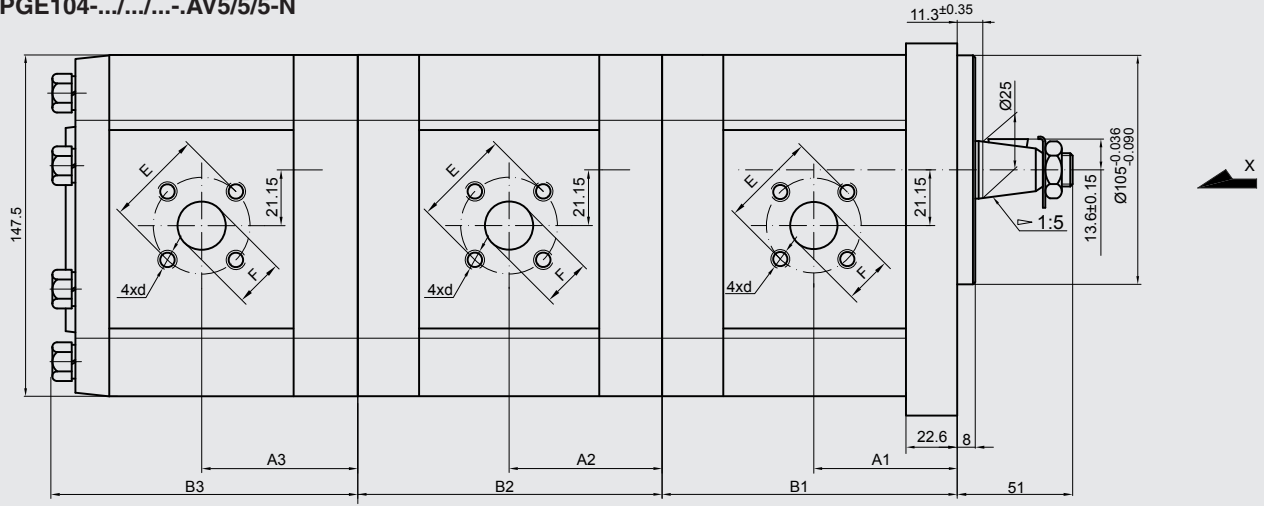
PGE104-.../...-BS7/7/7-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

| Displacement | Dimensions | | | | | | | | | | | | | |
|--------------|------------|------------|------------|------------|------------|------------|-------|-----|------|------|--------|-----|------|------|
| | Dimensions | | | | | | Inlet | | | | Outlet | | | |
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | F1 | d | H1 | L1 | F1 | d | H1 | L1 |
| 2000 | 56.1 | 114.7 | 58.5 | 117.1 | 58.3 | 118.9 | 19 | M10 | 47.6 | 22.2 | 19 | M10 | 47.6 | 22.2 |
| 2250 | 57.6 | 117.7 | 60.0 | 120.1 | 59.7 | 121.9 | | | | | | | | |
| 2500 | 58.3 | 119.1 | 60.8 | 121.5 | 60.5 | 123.3 | | | | | | | | |
| 2800 | 60.2 | 122.7 | 62.5 | 125.1 | 62.4 | 126.9 | | | | | | | | |
| 3200 | 66.5 | 135.3 | 68.8 | 137.7 | 68.7 | 139.5 | | | | | | | | |
| 3600 | 68.0 | 138.5 | 70.5 | 140.9 | 70.2 | 142.7 | 27 | M10 | 52.4 | 26.2 | 19 | M10 | 47.6 | 22.2 |
| 4200 | 70.8 | 144.0 | 73.2 | 146.5 | 73.0 | 148.3 | | | | | | | | |
| 4600 | 72.7 | 147.8 | 75.1 | 150.2 | 74.9 | 152.0 | | | | | | | | |
| 5000 | 74.5 | 151.4 | 76.9 | 153.8 | 76.7 | 155.6 | | | | | | | | |
| 5500 | 76.7 | 155.9 | 79.1 | 158.3 | 78.9 | 160.1 | | | | | | | | |
| 6000 | 78.7 | 160.4 | 81.4 | 162.8 | 80.9 | 164.6 | | | | | | | | |

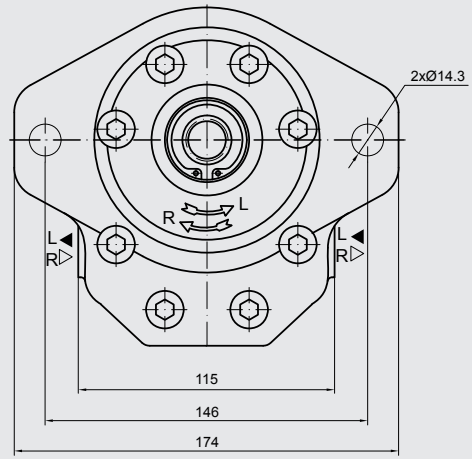
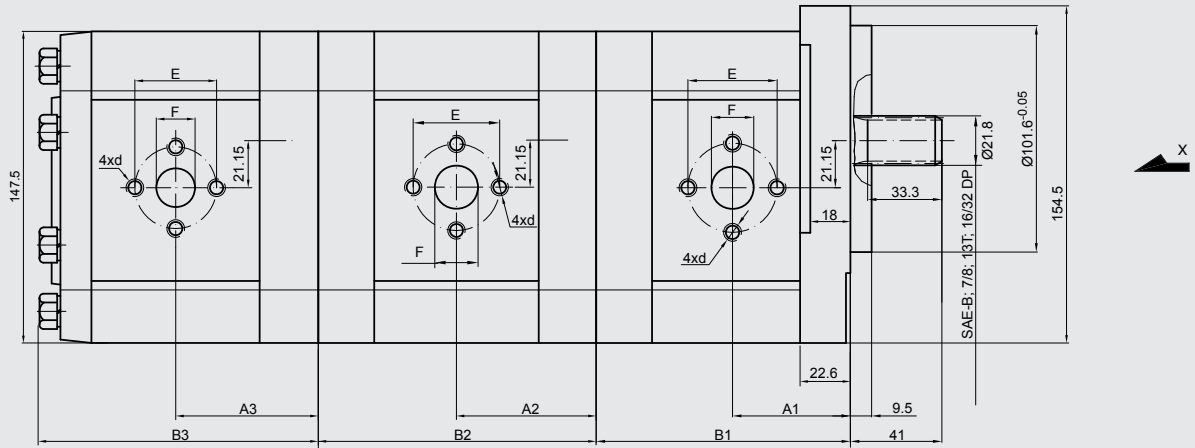
PGE104-.../...-AV5/5/5-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|-----------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

| Displacement | Dimensions | | | | | | Inlet | | | Outlet | | |
|--------------|------------|---------|---------|---------|---------|---------|-------|----|----|--------|----|----|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | E | F | d | E | F | d |
| | 2000 | 56.1 | 114.7 | 58.5 | 117.1 | 58.3 | 118.9 | 40 | 19 | M8 | 40 | 19 |
| 2250 | 57.6 | 117.7 | 60.0 | 120.1 | 59.7 | 121.9 | | | | | | |
| 2500 | 58.3 | 119.1 | 60.8 | 121.5 | 60.5 | 123.3 | | | | | | |
| 2800 | 60.2 | 122.7 | 62.5 | 125.1 | 62.4 | 126.9 | | | | | | |
| 3200 | 66.5 | 135.3 | 68.8 | 137.7 | 68.7 | 139.5 | | | | | | |
| 3600 | 68.0 | 138.5 | 70.5 | 140.9 | 70.2 | 142.7 | 55 | 27 | M8 | 55 | 19 | M8 |
| 4200 | 70.8 | 144.0 | 73.2 | 146.5 | 73.0 | 148.3 | | | | | | |
| 4600 | 72.7 | 147.8 | 75.1 | 150.2 | 74.9 | 152.0 | | | | | | |
| 5000 | 74.5 | 151.4 | 76.9 | 153.8 | 76.7 | 155.6 | | | | | | |
| 5500 | 76.7 | 155.9 | 79.1 | 158.3 | 78.9 | 160.1 | | | | | | |
| 6000 | 78.7 | 160.4 | 81.4 | 162.8 | 80.9 | 164.6 | | | | | | |

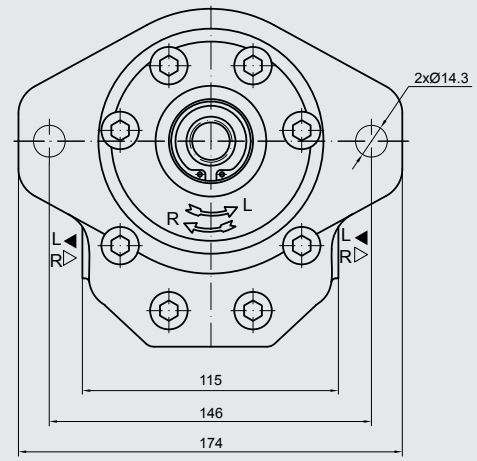
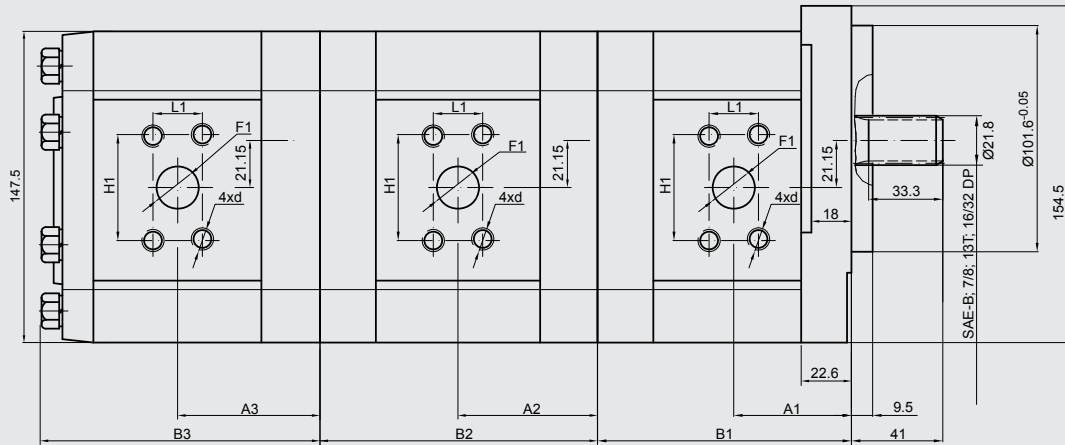
PGE104-.../.../...-FX4/4/4-N



| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

| Displacement | Dimensions | | | | | | Inlet | | | Outlet | | |
|--------------|------------|------------|------------|------------|------------|------------|-------|----|-----|--------|----|----|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | E | F | d | E | F | d |
| 2000 | 56.1 | 114.7 | 58.5 | 117.1 | 58.3 | 118.9 | 40 | 19 | M8 | 40 | 19 | M8 |
| 2250 | 57.6 | 117.7 | 60.0 | 120.1 | 59.7 | 121.9 | | | | | | |
| 2500 | 58.3 | 119.1 | 60.8 | 121.5 | 60.5 | 123.3 | | | | | | |
| 2800 | 60.2 | 122.7 | 62.5 | 125.1 | 62.4 | 126.9 | | | | | | |
| 3200 | 66.5 | 135.3 | 68.8 | 137.7 | 68.7 | 139.5 | | | | | | |
| 3600 | 68.0 | 138.5 | 70.5 | 140.9 | 70.2 | 142.7 | 51 | 27 | M10 | 40 | 19 | M8 |
| 4200 | 70.8 | 144.0 | 73.2 | 146.5 | 73.0 | 148.3 | | | | | | |
| 4600 | 72.7 | 147.8 | 75.1 | 150.2 | 74.9 | 152.0 | | | | | | |
| 5000 | 74.5 | 151.4 | 76.9 | 153.8 | 76.7 | 155.6 | | | | | | |
| 5500 | 76.7 | 155.9 | 79.1 | 158.3 | 78.9 | 160.1 | | | | | | |
| 6000 | 78.7 | 160.4 | 81.4 | 162.8 | 80.9 | 164.6 | | | | | | |

PGE104-.../.../...-FX7/7/7-N



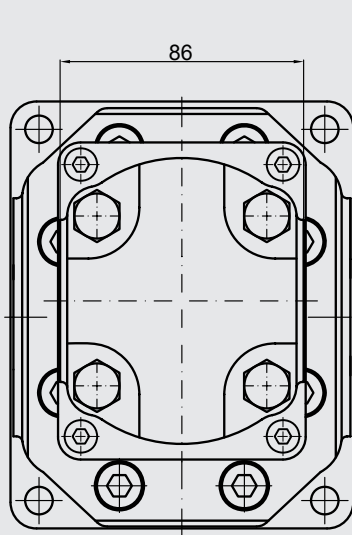
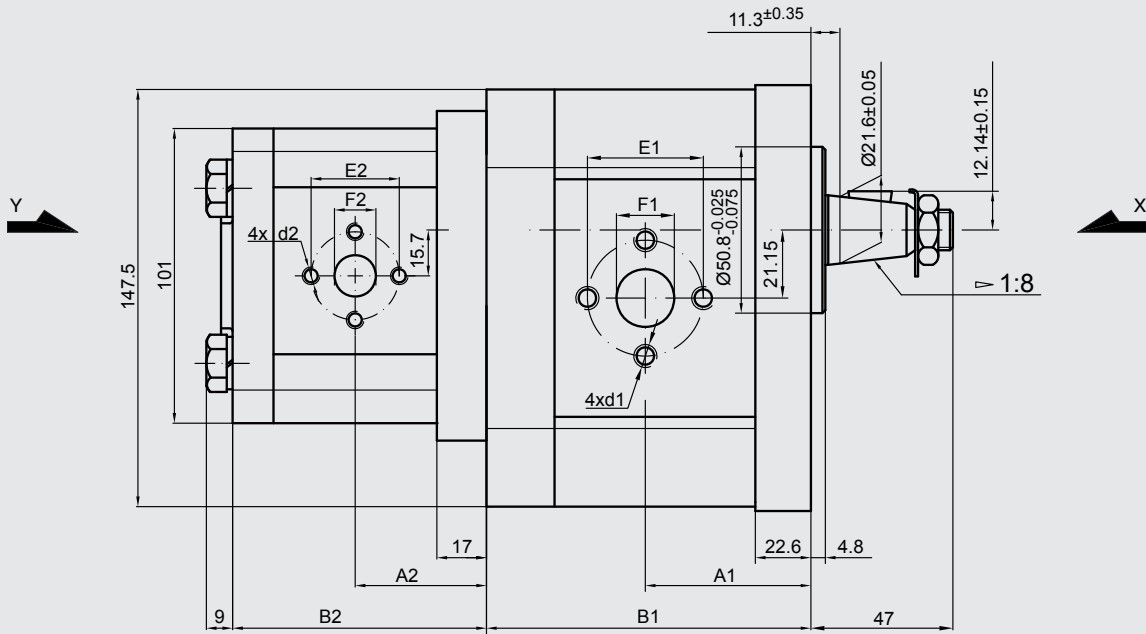
View X

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|-----------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

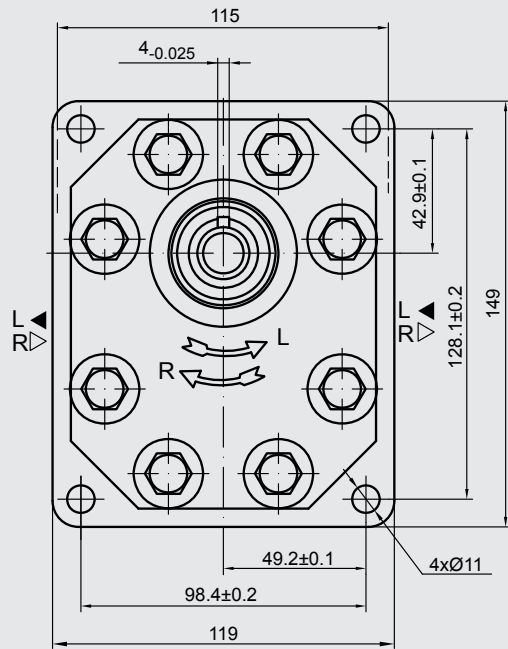
| Displacement | Dimensions | | | | | | Inlet | | | | Outlet | | | |
|--------------|------------|-------|------|-------|------|-------|-------|-----|------|------|--------|-----|------|------|
| | A1 | B1 | A2 | B2 | A3 | B3 | F1 | d | H1 | L1 | F1 | d | H1 | L1 |
| | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | | | | | | | | |
| 2000 | 56.1 | 114.7 | 58.5 | 117.1 | 58.3 | 118.9 | 19 | M10 | 47.6 | 22.2 | 19 | M10 | 47.6 | 22.2 |
| 2250 | 57.6 | 117.7 | 60.0 | 120.1 | 59.7 | 121.9 | | | | | | | | |
| 2500 | 58.3 | 119.1 | 60.8 | 121.5 | 60.5 | 123.3 | | | | | | | | |
| 2800 | 60.2 | 122.7 | 62.5 | 125.1 | 62.4 | 126.9 | | | | | | | | |
| 3200 | 66.5 | 135.3 | 68.8 | 137.7 | 68.7 | 139.5 | | | | | | | | |
| 3600 | 68.0 | 138.5 | 70.5 | 140.9 | 70.2 | 142.7 | 27 | M10 | 52.4 | 26.2 | 19 | M10 | 47.6 | 22.2 |
| 4200 | 70.8 | 144.0 | 73.2 | 146.5 | 73.0 | 148.3 | | | | | | | | |
| 4600 | 72.7 | 147.8 | 75.1 | 150.2 | 74.9 | 152.0 | | | | | | | | |
| 5000 | 74.5 | 151.4 | 76.9 | 153.8 | 76.7 | 155.6 | | | | | | | | |
| 5500 | 76.7 | 155.9 | 79.1 | 158.3 | 78.9 | 160.1 | | | | | | | | |
| 6000 | 78.7 | 160.4 | 81.4 | 162.8 | 80.9 | 164.6 | | | | | | | | |

6.5.28 Double pump size 3 / size 2

PGE104-.../....-BS4/4-N



View Y



View X

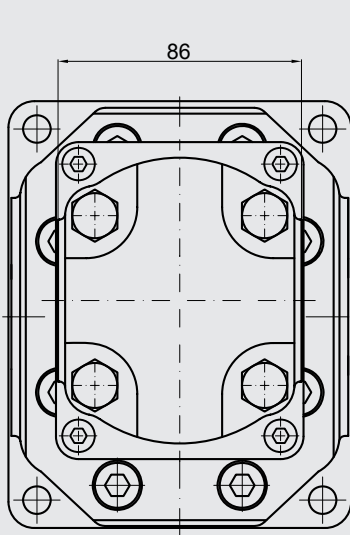
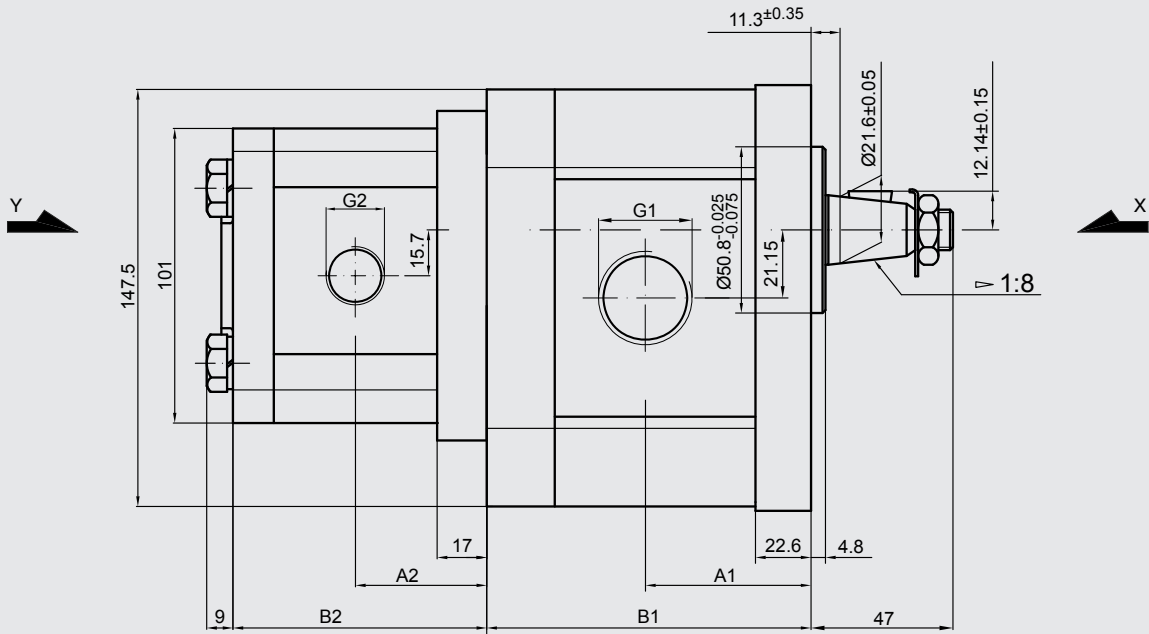
Front pump size 3:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|----|-----|--------|----|----|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet | | | Outlet | | |
| | | | | | | | | E1 | F1 | d1 | E1 | F1 | d1 |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 | 56.1 | 114.7 | 40 | 19 | M8 | 40 | 19 | M8 |
| 2250 | 22.5 | 31.7 | 63.5 | | | 57.6 | 117.7 | | | | | | |
| 2500 | 25 | 35.3 | 70.5 | | | 58.3 | 119.1 | | | | | | |
| 2800 | 28 | 39.5 | 79.0 | | | 60.2 | 122.7 | | | | | | |
| 3200 | 32 | 45.1 | 90.2 | | | 66.5 | 135.3 | | | | | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 | 68.0 | 138.5 | 51 | 27 | M10 | 40 | 19 | M8 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 | 70.8 | 144.0 | | | | | | |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 | 72.7 | 147.8 | | | | | | |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 | 74.5 | 151.4 | | | | | | |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 | 76.7 | 155.9 | | | | | | |
| 6000 | 60 | 85.5 | 99.8 | 150 | | 78.7 | 160.4 | | | | | | |

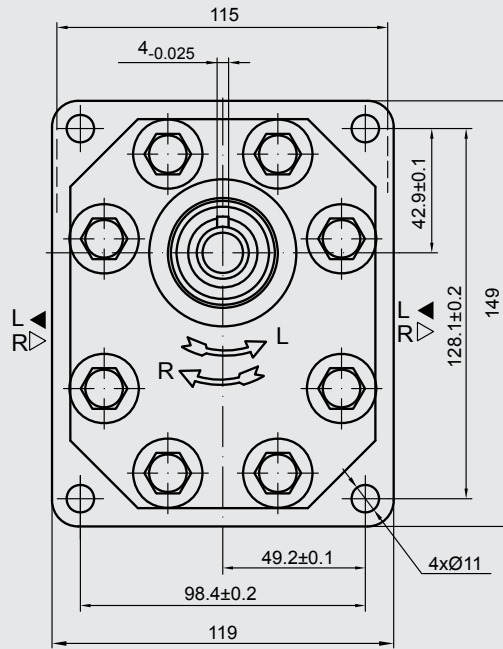
End pump size 2:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|------|----|--------|------|----|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A2 [mm] | B2 [mm] | Inlet | | | Outlet | | |
| | | | | | | | | E2 | F2 | d2 | E2 | F2 | d2 |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | 40.5 | 78 | 30 | 13.1 | M6 | 30 | 13.1 | M6 |
| 630 | 6.3 | 8.69 | 20.29 | | | 42 | 81 | | | | | | |
| 820 | 8.2 | 11.32 | 26.40 | | | 43.5 | 83.9 | | | | | | |
| 1000 | 10 | 13.95 | 32.55 | | | 45 | 87 | | | | | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | 46 | 89.1 | | | | | | |
| 1200 | 12 | 16.92 | 39.48 | | | 46.6 | 90.3 | | | | | | |
| 1400 | 14 | 19.95 | 46.55 | | | 48 | 93.4 | | | | | | |
| 1500 | 15 | 21.60 | 36.00 | | | 49 | 95 | | | | | | |
| 1600 | 16 | 23.04 | 38.40 | | | 50 | 96.6 | | | | | | |
| 1900 | 19 | 27.36 | 45.60 | | | 200 | 52 | | | | | | |
| 2200 | 22 | 31.68 | 42.24 | 180 | 55 | 106.5 | | | | | | | |
| 2500 | 25 | 36.00 | 48.00 | 160 | 2000 | 57.2 | 111.4 | 40 | 19 | M8 | 40 | 19 | M8 |

PGE104-.../...-BS1/1-N



View Y



View X

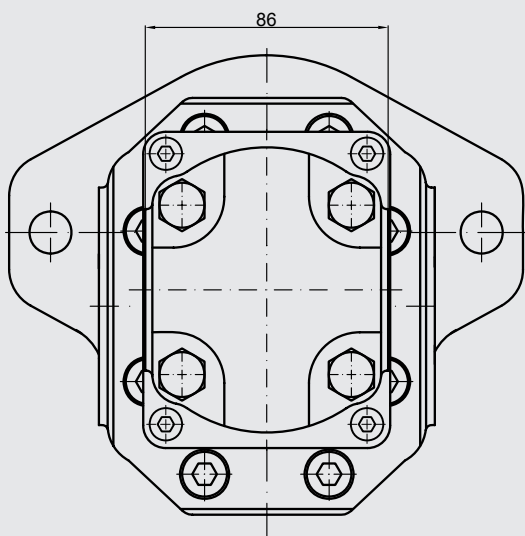
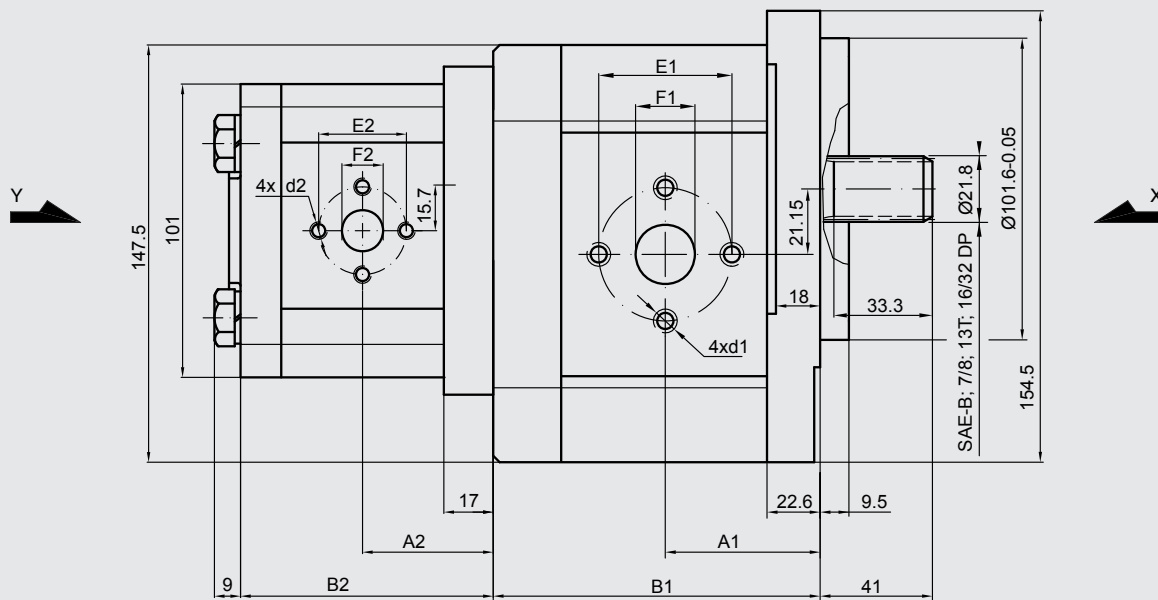
Front pump size 3:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet G1 | Outlet G1 |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 | 56.1 | 114.7 | G 3/4 | G 3/4 |
| 2250 | 22.5 | 31.7 | 63.5 | | | 57.6 | 117.7 | | |
| 2500 | 25 | 35.3 | 70.5 | | | 58.3 | 119.1 | | |
| 2800 | 28 | 39.5 | 79.0 | | | 60.2 | 122.7 | | |
| 3200 | 32 | 45.1 | 90.2 | | | 66.5 | 135.3 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 | 68.0 | 138.5 | G 1 | |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 | 70.8 | 144.0 | | |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 | 72.7 | 147.8 | | |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 | 74.5 | 151.4 | | |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 | 76.7 | 155.9 | | |
| 6000 | 60 | 85.5 | 99.8 | 150 | | 78.7 | 160.4 | | |

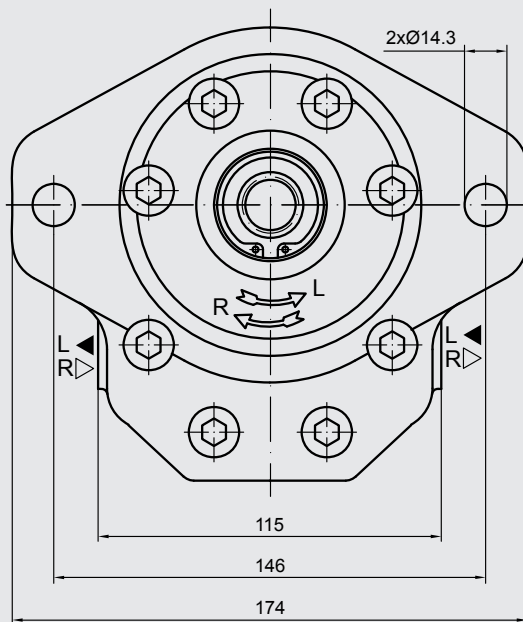
End pump size 2:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|-------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A2 [mm] | B2 [mm] | Inlet G2 | Outlet G2 | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | 40.5 | 78 | G 1/2 | G 1/2 | |
| 630 | 6.3 | 8.69 | 20.29 | | | 42 | 81 | | | |
| 820 | 8.2 | 11.32 | 26.40 | | | 43.5 | 83.9 | | | |
| 1000 | 10 | 13.95 | 32.55 | | | 45 | 87 | | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | 46 | 89.1 | | | |
| 1200 | 12 | 16.92 | 39.48 | | | 46.6 | 90.3 | | | |
| 1400 | 14 | 19.95 | 46.55 | | | 48 | 93.4 | | | |
| 1500 | 15 | 21.60 | 36.00 | | | 49 | 95 | G 3/4 | | |
| 1600 | 16 | 23.04 | 38.40 | | | 50 | 96.6 | | | |
| 1900 | 19 | 27.36 | 45.60 | | | 52 | 101.5 | | | |
| 2200 | 22 | 31.68 | 42.24 | | | 180 | 55 | | | 106.5 |
| 2500 | 25 | 36.00 | 48.00 | | | 160 | 2000 | | | 57.2 |
| | | | | | | | | | | |

PGE104-.../...-FX4/4-N



View Y



View X

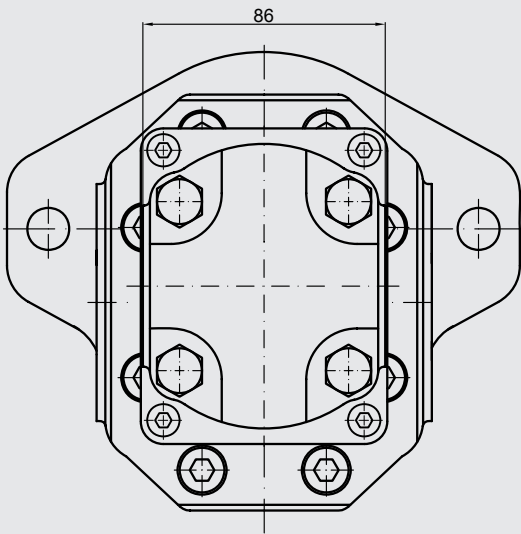
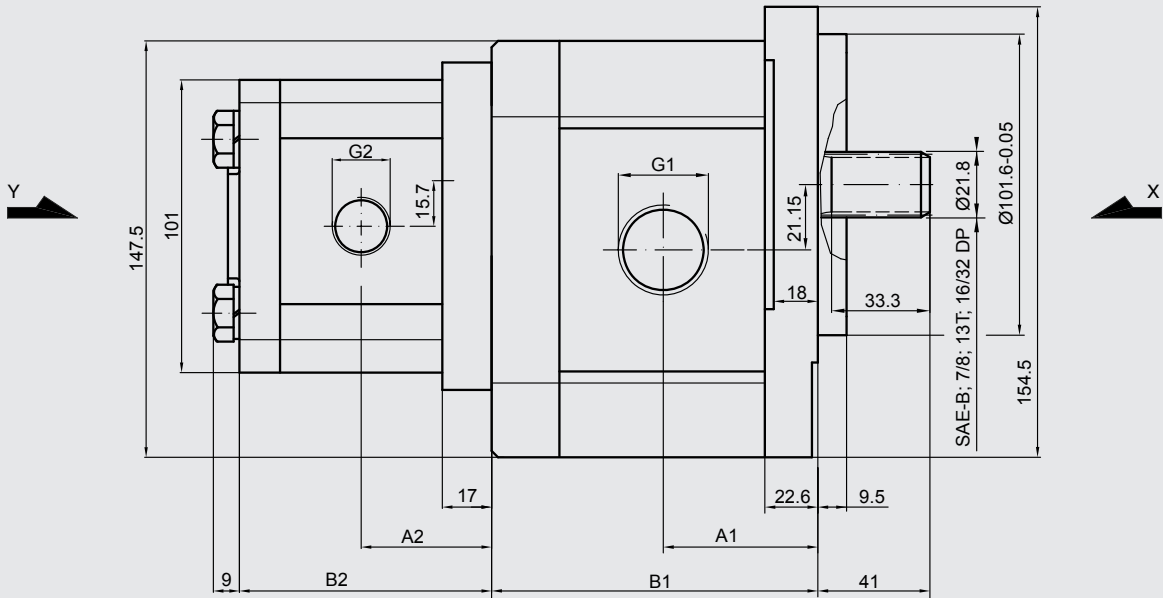
Front pump size 3:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|----|-----|--------|----|----|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet | | | Outlet | | |
| | | | | | | | | E1 | F1 | d1 | E1 | F1 | d1 |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 | 56.1 | 114.7 | 40 | 19 | M8 | 40 | 19 | M8 |
| 2250 | 22.5 | 31.7 | 63.5 | | | 57.6 | 117.7 | | | | | | |
| 2500 | 25 | 35.3 | 70.5 | | | 58.3 | 119.1 | | | | | | |
| 2800 | 28 | 39.5 | 79.0 | | | 60.2 | 122.7 | | | | | | |
| 3200 | 32 | 45.1 | 90.2 | | | 66.5 | 135.3 | | | | | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 | 68.0 | 138.5 | 51 | 27 | M10 | 40 | 19 | M8 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 | 70.8 | 144.0 | | | | | | |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 | 72.7 | 147.8 | | | | | | |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 | 74.5 | 151.4 | | | | | | |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 | 76.7 | 155.9 | | | | | | |
| 6000 | 60 | 85.5 | 99.8 | 150 | | 78.7 | 160.4 | | | | | | |

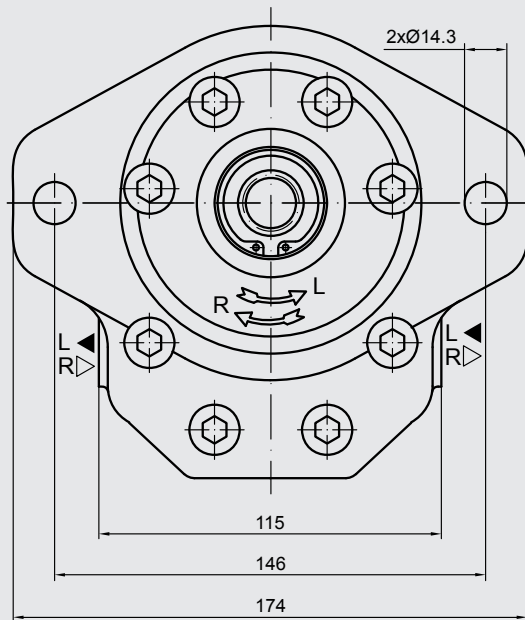
End pump size 2:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|------|----|--------|------|----|-------|----|----|----|----|------|----|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A2 [mm] | B2 [mm] | Inlet | | | Outlet | | | | | | | | | |
| | | | | | | | | E2 | F2 | d2 | E2 | F2 | d2 | | | | | | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | 40.5 | 78 | 30 | 13.1 | M6 | 30 | 13.1 | M6 | | | | | | | |
| 630 | 6.3 | 8.69 | 20.29 | | | 42 | 81 | | | | | | | | | | | | | |
| 820 | 8.2 | 11.32 | 26.40 | | | 43.5 | 83.9 | | | | | | | | | | | | | |
| 1000 | 10 | 13.95 | 32.55 | | | 45 | 87 | | | | | | | | | | | | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | 46 | 89.1 | | | | | | | | | | | | | |
| 1200 | 12 | 16.92 | 39.48 | | | 46.6 | 90.3 | | | | | | | | | | | | | |
| 1400 | 14 | 19.95 | 46.55 | | | 48 | 93.4 | | | | | | | | | | | | | |
| 1500 | 15 | 21.60 | 36.00 | | | 2500 | 49 | | | | | | | 95 | 40 | 19 | M8 | 40 | 14.2 | M8 |
| 1600 | 16 | 23.04 | 38.40 | | | | 50 | | | | | | | 96.6 | | | | | | |
| 1900 | 19 | 27.36 | 45.60 | | | | 52 | | | | | | | 101.5 | | | | | | |
| 2200 | 22 | 31.68 | 42.24 | 55 | 106.5 | | | | | | | | | | | | | | | |
| 2500 | 25 | 36.00 | 48.00 | 160 | 2000 | | 57.2 | 111.4 | | | | | | | | | | | | |
| | | | | | | | | | 40 | 19 | M8 | | | | | | | | | |

PGE104-.../...-FX1/1-N



View Y



View X

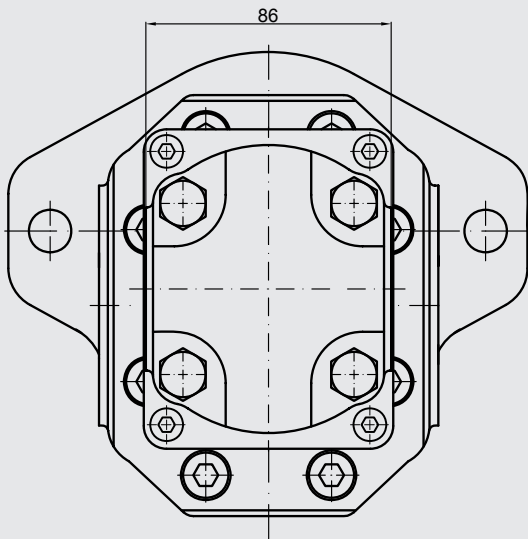
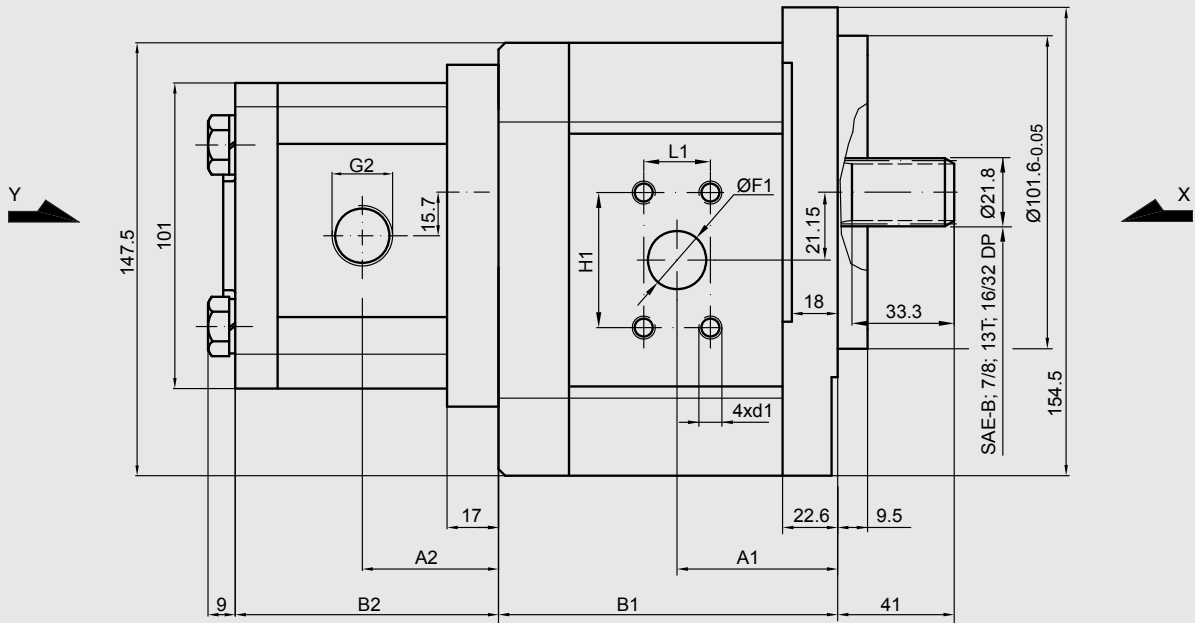
Front pump size 3:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet G1 | Outlet G1 |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 | 56.1 | 114.7 | G 3/4 | G 3/4 |
| 2250 | 22.5 | 31.7 | 63.5 | | | 57.6 | 117.7 | | |
| 2500 | 25 | 35.3 | 70.5 | | | 58.3 | 119.1 | | |
| 2800 | 28 | 39.5 | 79.0 | | | 60.2 | 122.7 | | |
| 3200 | 32 | 45.1 | 90.2 | | | 66.5 | 135.3 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 | 68.0 | 138.5 | G 1 | |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 | 70.8 | 144.0 | | |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 | 72.7 | 147.8 | | |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 | 74.5 | 151.4 | | |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 | 76.7 | 155.9 | | |
| 6000 | 60 | 85.5 | 99.8 | 150 | | 78.7 | 160.4 | | |

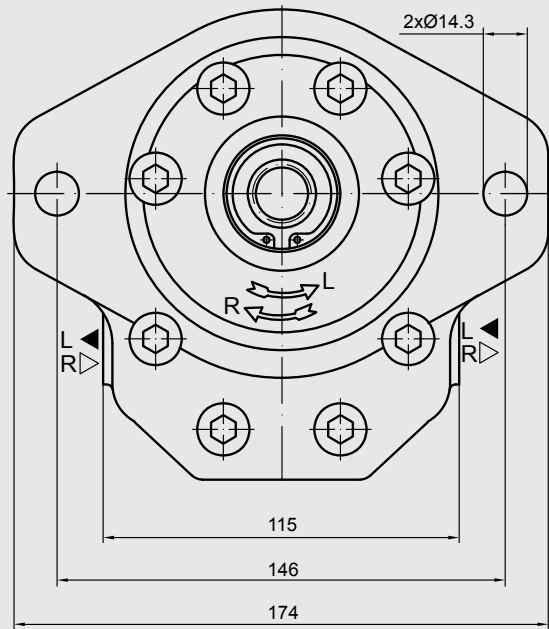
End pump size 2:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A2 [mm] | B2 [mm] | Inlet G2 | Outlet G2 |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | 40.5 | 78 | G 1/2 | G 1/2 |
| 630 | 6.3 | 8.69 | 20.29 | | | 42 | 81 | | |
| 820 | 8.2 | 11.32 | 26.40 | | | 43.5 | 83.9 | | |
| 1000 | 10 | 13.95 | 32.55 | | | 45 | 87 | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | 46 | 89.1 | | |
| 1200 | 12 | 16.92 | 39.48 | | | 46.6 | 90.3 | | |
| 1400 | 14 | 19.95 | 46.55 | | 48 | 93.4 | G 3/4 | | |
| 1500 | 15 | 21.60 | 36.00 | | 49 | 95 | | | |
| 1600 | 16 | 23.04 | 38.40 | | 50 | 96.6 | | | |
| 1900 | 19 | 27.36 | 45.60 | | 200 | 52 | | 101.5 | |
| 2200 | 22 | 31.68 | 42.24 | | 180 | 55 | | 106.5 | |
| 2500 | 25 | 36.00 | 48.00 | | 160 | 2000 | | 57.2 | |

PGE104-.../....FX7/1-N



View Y



View X

Front pump size 3:

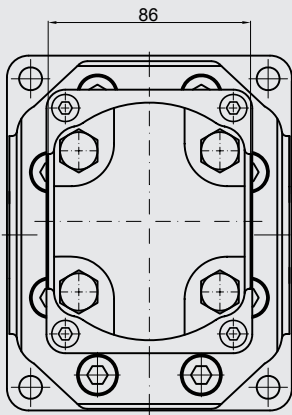
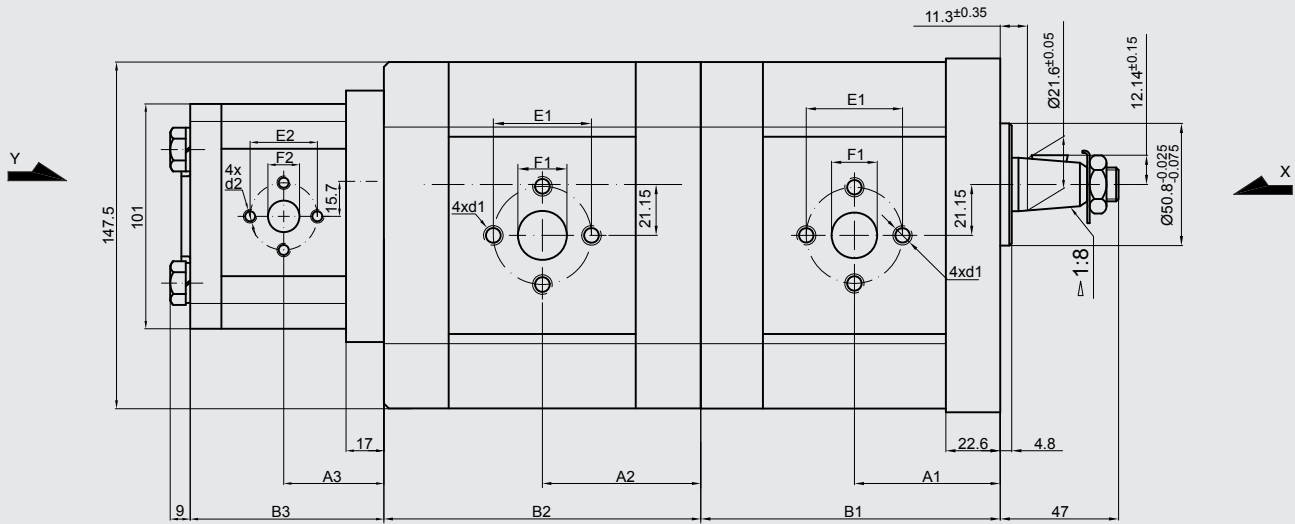
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|-----|------|------|--------|-----|------|------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet | | | | Outlet | | | |
| | | | | | | | | F1 | d1 | H1 | L1 | F1 | d1 | H1 | L1 |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 | 56.1 | 114.7 | 19 | M10 | 47.6 | 22.2 | 19 | M10 | 47.6 | 22.2 |
| 2250 | 22.5 | 31.7 | 63.5 | | | 57.6 | 117.7 | | | | | | | | |
| 2500 | 25 | 35.3 | 70.5 | | | 58.3 | 119.1 | | | | | | | | |
| 2800 | 28 | 39.5 | 79.0 | | | 60.2 | 122.7 | | | | | | | | |
| 3200 | 32 | 45.1 | 90.2 | | | 66.5 | 135.3 | | | | | | | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 | 68.0 | 138.5 | 27 | M10 | 52.4 | 26.2 | 19 | M10 | 47.6 | 22.2 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 | 70.8 | 144.0 | | | | | | | | |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 | 72.7 | 147.8 | | | | | | | | |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 | 74.5 | 151.4 | | | | | | | | |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 | 76.7 | 155.9 | | | | | | | | |
| 6000 | 60 | 85.5 | 99.8 | 150 | | 78.7 | 160.4 | | | | | | | | |

End pump size 2:

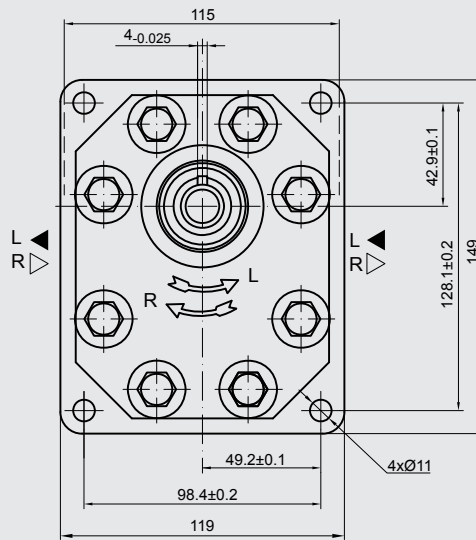
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A2 [mm] | B2 [mm] | Inlet G2 | Outlet G2 |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | 40.5 | 78 | G 1/2 | G 1/2 |
| 630 | 6.3 | 8.69 | 20.29 | | | 42 | 81 | | |
| 820 | 8.2 | 11.32 | 26.40 | | | 43.5 | 83.9 | | |
| 1000 | 10 | 13.95 | 32.55 | | | 45 | 87 | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | 46 | 89.1 | | |
| 1200 | 12 | 16.92 | 39.48 | | | 46.6 | 90.3 | | |
| 1400 | 14 | 19.95 | 46.55 | | | 48 | 93.4 | | |
| 1500 | 15 | 21.60 | 36.00 | | | 49 | 95 | | |
| 1600 | 16 | 23.04 | 38.40 | | | 50 | 96.6 | | |
| 1900 | 19 | 27.36 | 45.60 | | | 200 | 52 | | |
| 2200 | 22 | 31.68 | 42.24 | 180 | 55 | 106.5 | | | |
| 2500 | 25 | 36.00 | 48.00 | 160 | 2000 | 57.2 | 111.4 | G 3/4 | G 1/2 |

6.5.29 Triple pump size 3 / size 3 / size 2

PGE104-.../.../...-BS4/4/4-N



View Y



View X

Front and middle pump size 3:

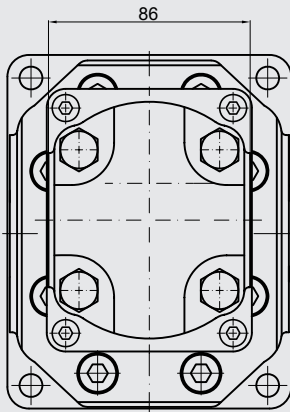
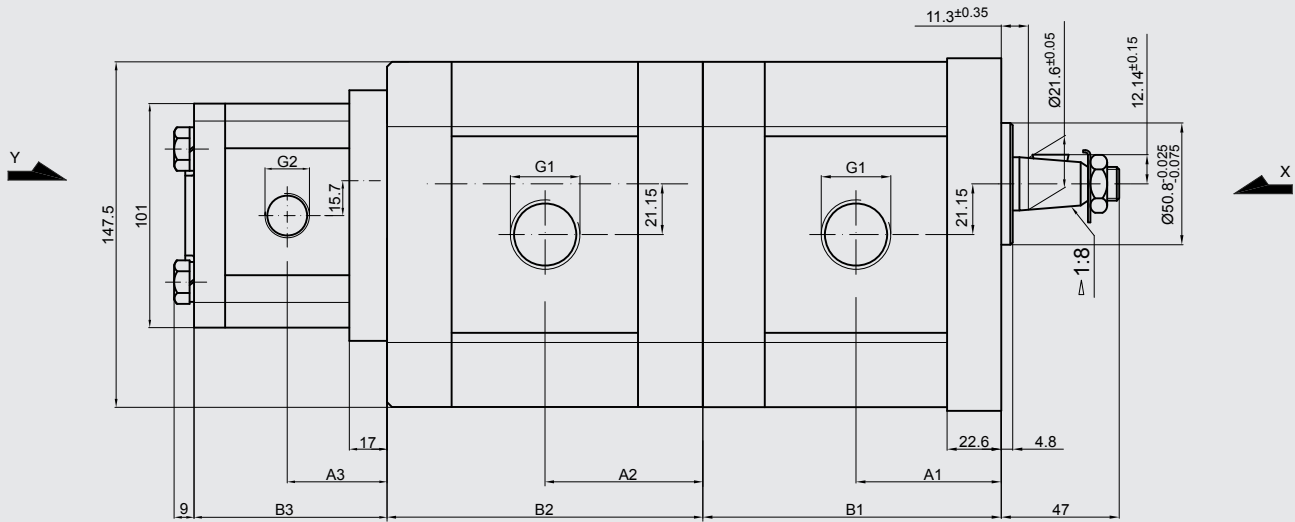
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

| Displacement | Dimensions | | | | | | | | | | |
|--------------|------------|------------|------------|------------|-------|----|-----|--------|----|----|--|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | Inlet | | | Outlet | | | |
| | | | | | E1 | F1 | d1 | E1 | F1 | d1 | |
| 2000 | 56.1 | 114.7 | 58.5 | 117.1 | 40 | 19 | M8 | 40 | 19 | M8 | |
| 2250 | 57.6 | 117.7 | 60.0 | 120.1 | | | | | | | |
| 2500 | 58.3 | 119.1 | 60.8 | 121.5 | | | | | | | |
| 2800 | 60.2 | 122.7 | 62.5 | 125.1 | | | | | | | |
| 3200 | 66.5 | 135.3 | 68.8 | 137.7 | | | | | | | |
| 3600 | 68.0 | 138.5 | 70.5 | 140.9 | 51 | 27 | M10 | 40 | 19 | M8 | |
| 4200 | 70.8 | 144.0 | 73.2 | 146.5 | | | | | | | |
| 4600 | 72.7 | 147.8 | 75.1 | 150.2 | | | | | | | |
| 5000 | 74.5 | 151.4 | 76.9 | 153.8 | | | | | | | |
| 5500 | 76.7 | 155.9 | 79.1 | 158.3 | | | | | | | |
| 6000 | 78.7 | 160.4 | 81.4 | 162.8 | | | | | | | |

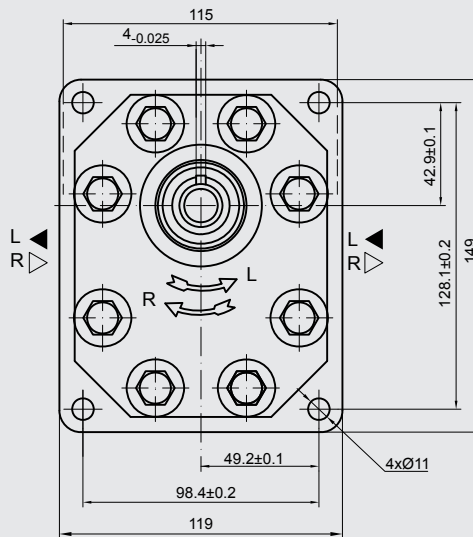
End pump size 2:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|------|----|--------|------|----|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A3 [mm] | B3 [mm] | Inlet | | | Outlet | | |
| | | | | | | | | E2 | F2 | d2 | E2 | F2 | d2 |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | 40.5 | 78 | 30 | 13.1 | M6 | 30 | 13.1 | M6 |
| 630 | 6.3 | 8.69 | 20.29 | | | 42 | 81 | | | | | | |
| 820 | 8.2 | 11.32 | 26.40 | | | 43.5 | 83.9 | | | | | | |
| 1000 | 10 | 13.95 | 32.55 | | | 45 | 87 | | | | | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | 46 | 89.1 | | | | | | |
| 1200 | 12 | 16.92 | 39.48 | | | 46.6 | 90.3 | | | | | | |
| 1400 | 14 | 19.95 | 46.55 | | | 48 | 93.4 | | | | | | |
| 1500 | 15 | 21.60 | 36.00 | | 200 | 2500 | 49 | 95 | 40 | 19 | M8 | 14.2 | M8 |
| 1600 | 16 | 23.04 | 38.40 | | | | 50 | 96.6 | | | | | |
| 1900 | 19 | 27.36 | 45.60 | | | | 52 | 101.5 | | | | | |
| 2200 | 22 | 31.68 | 42.24 | | 180 | 2000 | 55 | 106.5 | 40 | 19 | M8 | 19 | M8 |
| 2500 | 25 | 36.00 | 48.00 | | 160 | | 57.2 | 111.4 | | | | | |

PGE104-.../.../...-BS1/1/1-N



View Y



View X

Front and middle pump size 3:

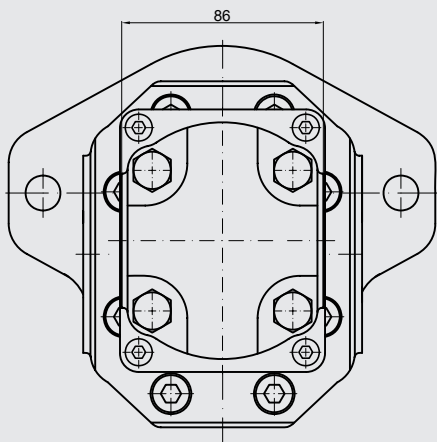
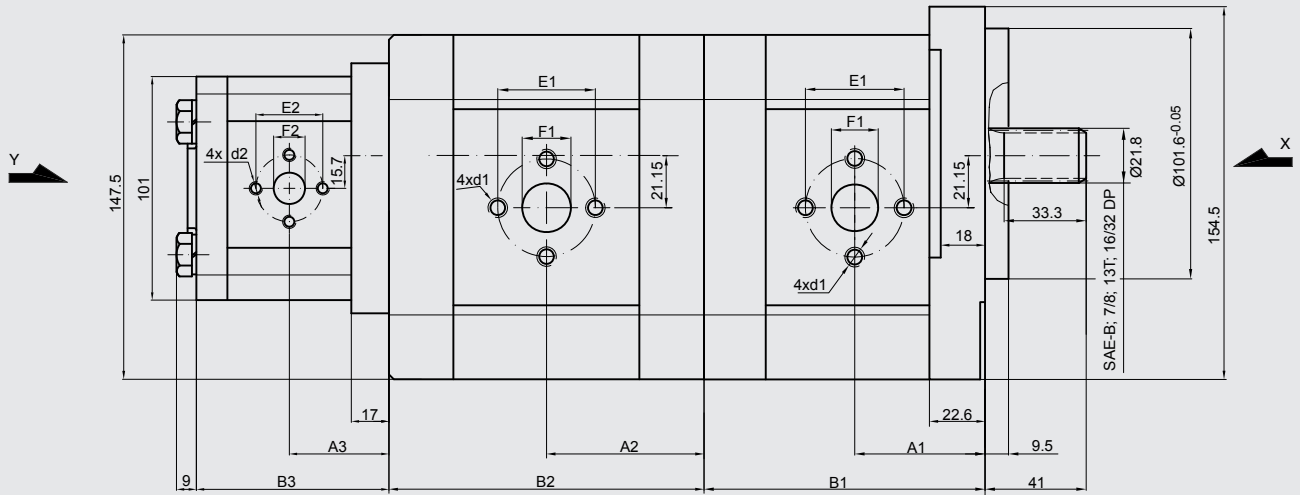
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

| Displacement | Dimensions | | | | Inlet G1 | Outlet G1 |
|--------------|------------|------------|------------|------------|-------------|--------------|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | | |
| 2000 | 56.1 | 114.7 | 58.5 | 117.1 | G 3/4 | G 3/4 |
| 2250 | 57.6 | 117.7 | 60.0 | 120.1 | | |
| 2500 | 58.3 | 119.1 | 60.8 | 121.5 | | |
| 2800 | 60.2 | 122.7 | 62.5 | 125.1 | | |
| 3200 | 66.5 | 135.3 | 68.8 | 137.7 | | |
| 3600 | 68.0 | 138.5 | 70.5 | 140.9 | G 1 | |
| 4200 | 70.8 | 144.0 | 73.2 | 146.5 | | |
| 4600 | 72.7 | 147.8 | 75.1 | 150.2 | | |
| 5000 | 74.5 | 151.4 | 76.9 | 153.8 | | |
| 5500 | 76.7 | 155.9 | 79.1 | 158.3 | | |
| 6000 | 78.7 | 160.4 | 81.4 | 162.8 | | |

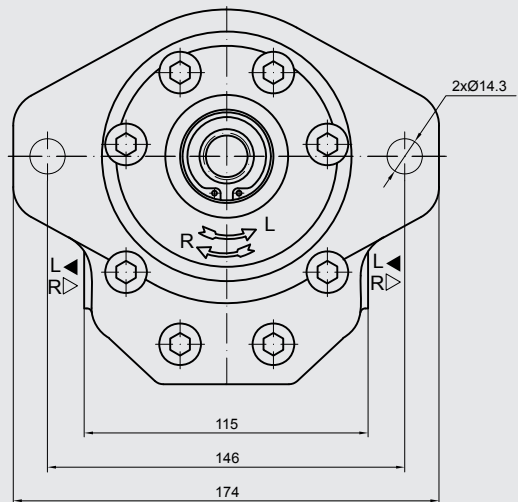
End pump size 2:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A3 [mm] | B3 [mm] | Inlet G2 | Outlet G2 |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | 40.5 | 78 | G 1/2 | G 1/2 |
| 630 | 6.3 | 8.69 | 20.29 | | | 42 | 81 | | |
| 820 | 8.2 | 11.32 | 26.40 | | | 43.5 | 83.9 | | |
| 1000 | 10 | 13.95 | 32.55 | | | 45 | 87 | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | 46 | 89.1 | | |
| 1200 | 12 | 16.92 | 39.48 | | | 46.6 | 90.3 | | |
| 1400 | 14 | 19.95 | 46.55 | | 48 | 93.4 | G 3/4 | | |
| 1500 | 15 | 21.60 | 36.00 | | 49 | 95 | | | |
| 1600 | 16 | 23.04 | 38.40 | | 50 | 96.6 | | | |
| 1900 | 19 | 27.36 | 45.60 | | 52 | 101.5 | | | |
| 2200 | 22 | 31.68 | 42.24 | | 55 | 106.5 | | | |
| 2500 | 25 | 36.00 | 48.00 | | 57.2 | 111.4 | | | |

PGE104-.../.../...-FX4/4/4-N



View Y



View X

Front and middle pump size 3:

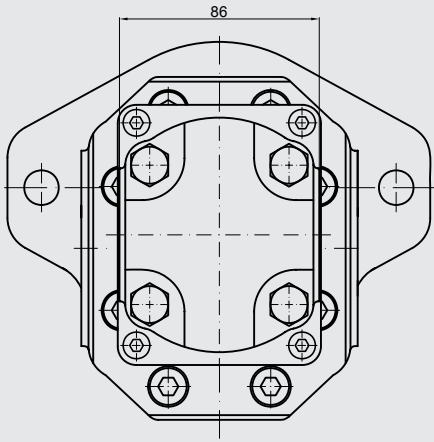
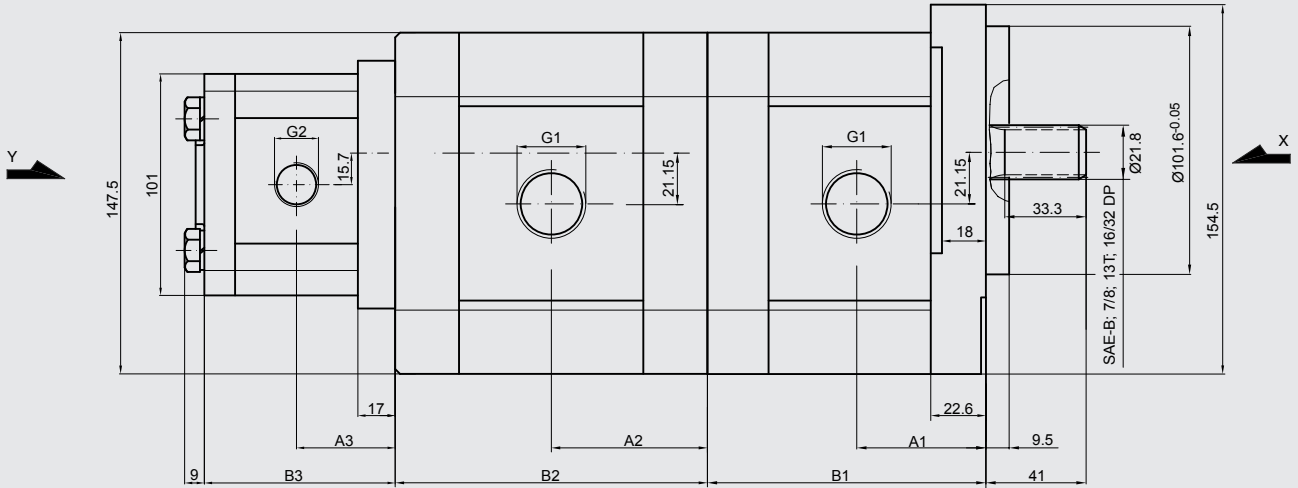
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

| Displacement | Dimensions | | | | | | | | | | |
|--------------|------------|------------|------------|------------|-------|----|-----|--------|----|----|--|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | Inlet | | | Outlet | | | |
| | | | | | E1 | F1 | d1 | E1 | F1 | d1 | |
| 2000 | 56.1 | 114.7 | 58.5 | 117.1 | 40 | 19 | M8 | 40 | 19 | M8 | |
| 2250 | 57.6 | 117.7 | 60.0 | 120.1 | | | | | | | |
| 2500 | 58.3 | 119.1 | 60.8 | 121.5 | | | | | | | |
| 2800 | 60.2 | 122.7 | 62.5 | 125.1 | | | | | | | |
| 3200 | 66.5 | 135.3 | 68.8 | 137.7 | | | | | | | |
| 3600 | 68.0 | 138.5 | 70.5 | 140.9 | 51 | 27 | M10 | 40 | 19 | M8 | |
| 4200 | 70.8 | 144.0 | 73.2 | 146.5 | | | | | | | |
| 4600 | 72.7 | 147.8 | 75.1 | 150.2 | | | | | | | |
| 5000 | 74.5 | 151.4 | 76.9 | 153.8 | | | | | | | |
| 5500 | 76.7 | 155.9 | 79.1 | 158.3 | | | | | | | |
| 6000 | 78.7 | 160.4 | 81.4 | 162.8 | | | | | | | |

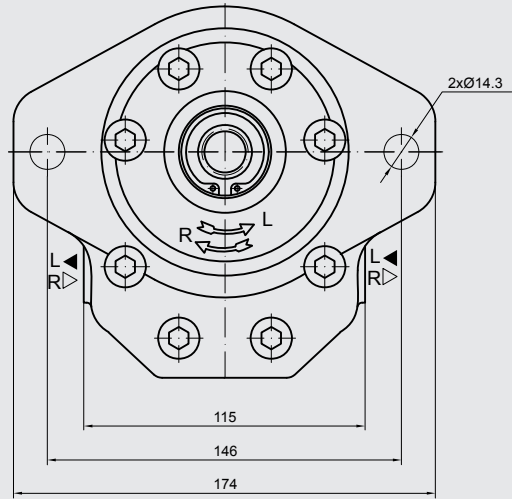
End pump size 2:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | | | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|------|----|--------|------|----|------|-------|----|----|----|----|----|----|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A3 [mm] | B3 [mm] | Inlet | | | Outlet | | | | | | | | | | |
| | | | | | | | | E2 | F2 | d2 | E2 | F2 | d2 | | | | | | | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | 40.5 | 78 | 30 | 13.1 | M6 | 30 | 13.1 | M6 | | | | | | | | |
| 630 | 6.3 | 8.69 | 20.29 | | | 42 | 81 | | | | | | | | | | | | | | |
| 820 | 8.2 | 11.32 | 26.40 | | | 43.5 | 83.9 | | | | | | | | | | | | | | |
| 1000 | 10 | 13.95 | 32.55 | | | 45 | 87 | | | | | | | | | | | | | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | 46 | 89.1 | | | | | | | | | | | | | | |
| 1200 | 12 | 16.92 | 39.48 | | | 46.6 | 90.3 | | | | | | | | | | | | | | |
| 1400 | 14 | 19.95 | 46.55 | | | 48 | 93.4 | | | | | | | | | | | | | | |
| 1500 | 15 | 21.60 | 36.00 | | 2500 | 49 | 95 | 40 | 19 | M8 | 40 | 19 | M8 | | | | | | | | |
| 1600 | 16 | 23.04 | 38.40 | | | 50 | 96.6 | | | | | | | | | | | | | | |
| 1900 | 19 | 27.36 | 45.60 | | | 52 | 101.5 | | | | | | | | | | | | | | |
| 2200 | 22 | 31.68 | 42.24 | | | 55 | 106.5 | | | | | | | | | | | | | | |
| 2500 | 25 | 36.00 | 48.00 | | | 160 | 2000 | | | | | | | 57.2 | 111.4 | 40 | 19 | M8 | 40 | 19 | M8 |
| | | | | | | | | | | | | | | | | | | | | | |

PGE104-.../.../...-FX1/1/1-N



View Y



View X

Front and middle pump size 3:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 |
| 2250 | 22.5 | 31.7 | 63.5 | | |
| 2500 | 25 | 35.3 | 70.5 | | |
| 2800 | 28 | 39.5 | 79.0 | | |
| 3200 | 32 | 45.1 | 90.2 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 |
| 6000 | 60 | 85.5 | 99.8 | 150 | |

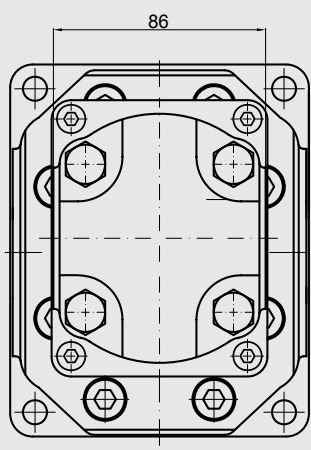
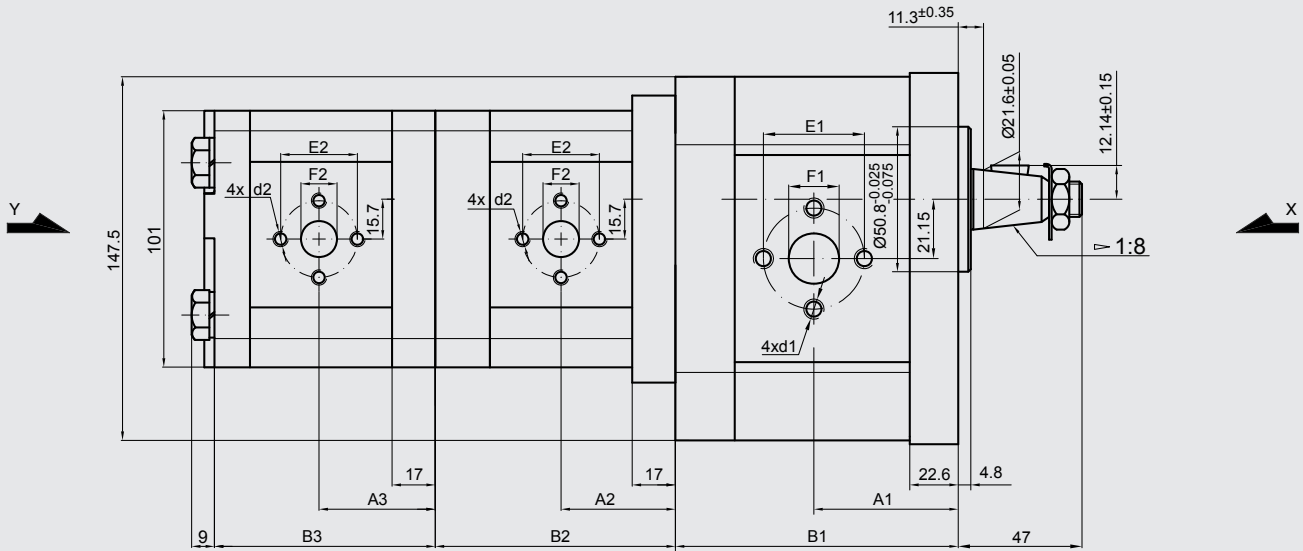
| Displacement | Dimensions | | | | Inlet G1 | Outlet G1 |
|--------------|------------|------------|------------|------------|-------------|--------------|
| | A1 [mm] | B1 [mm] | A2 [mm] | B2 [mm] | | |
| 2000 | 56.1 | 114.7 | 58.5 | 117.1 | G 3/4 | G 3/4 |
| 2250 | 57.6 | 117.7 | 60.0 | 120.1 | | |
| 2500 | 58.3 | 119.1 | 60.8 | 121.5 | | |
| 2800 | 60.2 | 122.7 | 62.5 | 125.1 | | |
| 3200 | 66.5 | 135.3 | 68.8 | 137.7 | | |
| 3600 | 68.0 | 138.5 | 70.5 | 140.9 | G 1 | |
| 4200 | 70.8 | 144.0 | 73.2 | 146.5 | | |
| 4600 | 72.7 | 147.8 | 75.1 | 150.2 | | |
| 5000 | 74.5 | 151.4 | 76.9 | 153.8 | | |
| 5500 | 76.7 | 155.9 | 79.1 | 158.3 | | |
| 6000 | 78.7 | 160.4 | 81.4 | 162.8 | | |

End pump size 2:

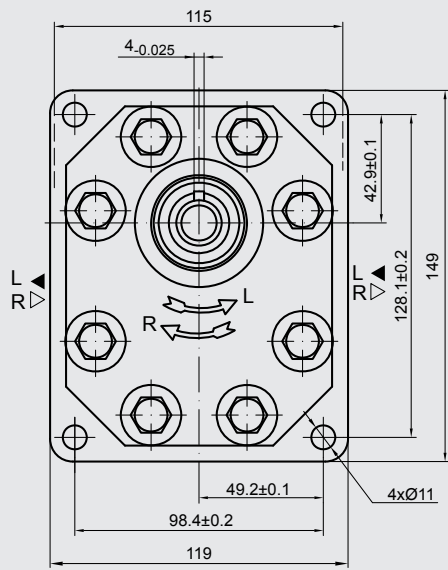
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A3 [mm] | B3 [mm] | Inlet G2 | Outlet G2 |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | 40.5 | 78 | G 1/2 | G 1/2 |
| 630 | 6.3 | 8.69 | 20.29 | | | 42 | 81 | | |
| 820 | 8.2 | 11.32 | 26.40 | | | 43.5 | 83.9 | | |
| 1000 | 10 | 13.95 | 32.55 | | | 45 | 87 | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | 46 | 89.1 | | |
| 1200 | 12 | 16.92 | 39.48 | | 46.6 | 90.3 | G 3/4 | | |
| 1400 | 14 | 19.95 | 46.55 | | 48 | 93.4 | | | |
| 1500 | 15 | 21.60 | 36.00 | | 49 | 95 | | | |
| 1600 | 16 | 23.04 | 38.40 | | 50 | 96.6 | | | |
| 1900 | 19 | 27.36 | 45.60 | | 200 | 52 | | 101.5 | |
| 2200 | 22 | 31.68 | 42.24 | 180 | 55 | 106.5 | | | |
| 2500 | 25 | 36.00 | 48.00 | 160 | 2000 | 57.2 | 111.4 | | |

6.5.30 Triple pump size 3 / size 2 / size 2

PGE104-.../.../...-BS4/4/4-N



View Y



View X

Front pump size 3:

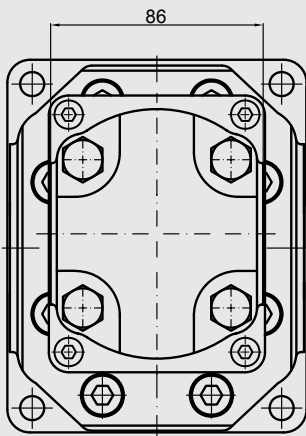
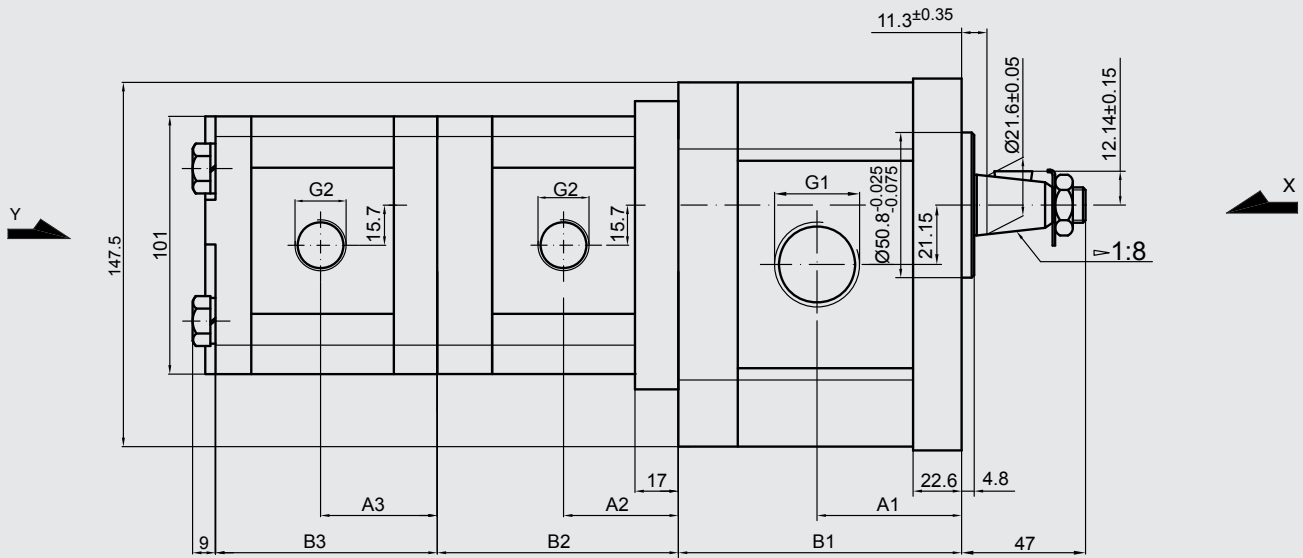
| Displacement | Geometric displacement [cm³/rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | |
|--------------|-------------------------------------|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|----|-----|--------|----|----|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet | | | Outlet | | |
| | | | | | | | | E1 | F1 | d1 | E1 | F1 | d1 |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 | 56.1 | 114.7 | 40 | 19 | M8 | 40 | 19 | M8 |
| 2250 | 22.5 | 31.7 | 63.5 | | | 57.6 | 117.7 | | | | | | |
| 2500 | 25 | 35.3 | 70.5 | | | 58.3 | 119.1 | | | | | | |
| 2800 | 28 | 39.5 | 79.0 | | | 60.2 | 122.7 | | | | | | |
| 3200 | 32 | 45.1 | 90.2 | | | 66.5 | 135.3 | | | | | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 | 68.0 | 138.5 | 51 | 27 | M10 | 40 | 19 | M8 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 | 70.8 | 144.0 | | | | | | |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 | 72.7 | 147.8 | | | | | | |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 | 74.5 | 151.4 | | | | | | |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 | 76.7 | 155.9 | | | | | | |
| 6000 | 60 | 85.5 | 99.8 | 150 | | 78.7 | 160.4 | | | | | | |

Middle and end pump size 2:

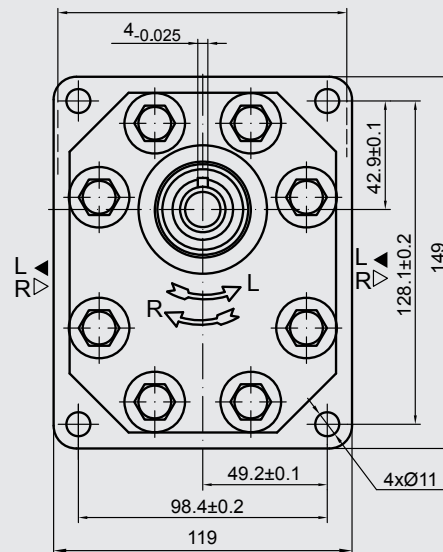
| Displacement | Geometric displacement [cm³/rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | |
|--------------|-------------------------------------|------------------------|------------------------|-------------------------|--------------------------|------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | |
| 630 | 6.3 | 8.69 | 20.29 | | | |
| 820 | 8.2 | 11.32 | 26.40 | | | |
| 1000 | 10 | 13.95 | 32.55 | | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | |
| 1200 | 12 | 16.92 | 39.48 | | | |
| 1400 | 14 | 19.95 | 46.55 | | | |
| 1500 | 15 | 21.60 | 36.00 | | | |
| 1600 | 16 | 23.04 | 38.40 | | | 2500 |
| 1900 | 19 | 27.36 | 45.60 | | | |
| 2200 | 22 | 31.68 | 42.24 | 180 | 2000 | |
| 2500 | 25 | 36.00 | 48.00 | 160 | | |

| Displacement | Dimensions | | | | | | | | | | | | |
|--------------|------------|------------|------------|------------|-------|------|----|--------|------|----|----|----|----|
| | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | Inlet | | | Outlet | | | | | |
| | | | | | E2 | F2 | d2 | E2 | F2 | d2 | | | |
| 450 | 40.5 | 78 | 40.5 | 85.2 | 30 | 13.1 | M6 | 30 | 13.1 | M6 | | | |
| 630 | 42 | 81 | 42 | 88.2 | | | | | | | | | |
| 820 | 43.5 | 83.9 | 43.5 | 91.1 | | | | | | | | | |
| 1000 | 45 | 87 | 45 | 94.2 | | | | | | | | | |
| 1130 | 46 | 89.1 | 46 | 96.3 | 40 | 19 | M8 | 30 | 14.2 | M6 | | | |
| 1200 | 46.6 | 90.3 | 46.6 | 97.5 | | | | | | | | | |
| 1400 | 48 | 93.4 | 48 | 100.6 | | | | | | | | | |
| 1500 | 49 | 95 | 49 | 102.1 | | | | | | | | | |
| 1600 | 50 | 96.6 | 50 | 103.8 | | | | | | | | | |
| 1900 | 52 | 101.5 | 52 | 108.7 | | | | | | | | | |
| 2200 | 55 | 106.5 | 55 | 113.7 | | | | | | | | | |
| 2500 | 57.2 | 111.4 | 57.2 | 118.6 | | | | | | | 40 | 19 | M8 |

PGE104-.../.../...-BS1/1/1-N



View Y



View X

Front pump size 3:

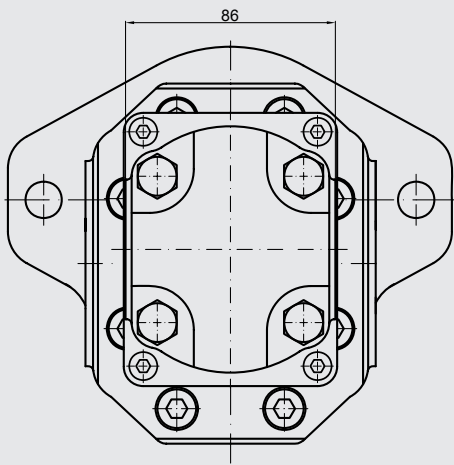
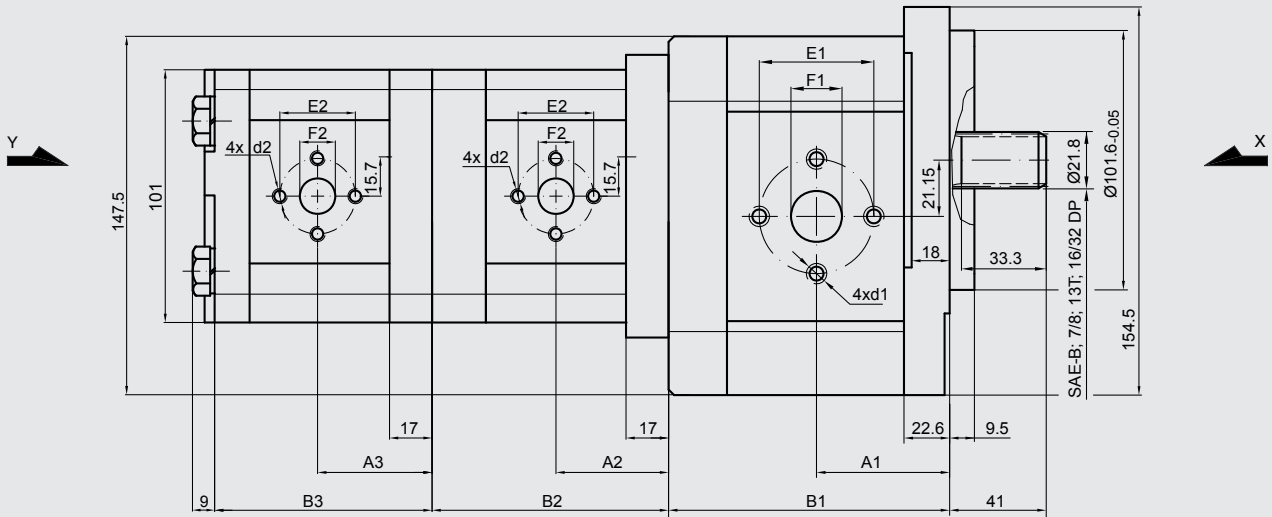
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet G1 | Outlet G1 |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 | 56.1 | 114.7 | G 3/4 | G 3/4 |
| 2250 | 22.5 | 31.7 | 63.5 | | | 57.6 | 117.7 | | |
| 2500 | 25 | 35.3 | 70.5 | | | 58.3 | 119.1 | | |
| 2800 | 28 | 39.5 | 79.0 | | | 60.2 | 122.7 | | |
| 3200 | 32 | 45.1 | 90.2 | | | 66.5 | 135.3 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 | 68.0 | 138.5 | G 1 | |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 | 70.8 | 144.0 | | |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 | 72.7 | 147.8 | | |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 | 74.5 | 151.4 | | |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 | 76.7 | 155.9 | | |
| 6000 | 60 | 85.5 | 99.8 | 150 | | 78.7 | 160.4 | | |

Middle and end pump size 2:

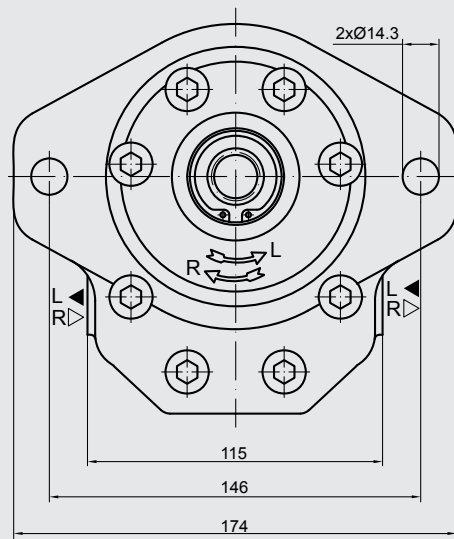
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 |
| 630 | 6.3 | 8.69 | 20.29 | | |
| 820 | 8.2 | 11.32 | 26.40 | | |
| 1000 | 10 | 13.95 | 32.55 | | |
| 1130 | 11.3 | 15.76 | 36.78 | | |
| 1200 | 12 | 16.92 | 39.48 | | 2500 |
| 1400 | 14 | 19.95 | 46.55 | | |
| 1500 | 15 | 21.60 | 36.00 | | |
| 1600 | 16 | 23.04 | 38.40 | | |
| 1900 | 19 | 27.36 | 45.60 | | |
| 2200 | 22 | 31.68 | 42.24 | 180 | 2000 |
| 2500 | 25 | 36.00 | 48.00 | 160 | |

| Displacement | Dimensions | | | | Inlet G2 | Outlet G2 |
|--------------|------------|------------|------------|------------|-------------|--------------|
| | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | | |
| 450 | 40.5 | 85.2 | 40.5 | 78 | G 1/2 | G 1/2 |
| 630 | 42 | 88.2 | 42 | 81 | | |
| 820 | 43.5 | 91.1 | 43.5 | 83.9 | | |
| 1000 | 45 | 94.2 | 45 | 87 | | |
| 1130 | 46 | 96.3 | 46 | 89 | | |
| 1200 | 46.6 | 97.5 | 46.6 | 90.3 | G 3/4 | |
| 1400 | 48 | 100.6 | 48 | 93.4 | | |
| 1500 | 49 | 102.1 | 49 | 95 | | |
| 1600 | 50 | 103.8 | 50 | 96.5 | | |
| 1900 | 52 | 108.7 | 52 | 101.5 | | |
| 2200 | 55 | 113.7 | 55 | 106.5 | G 1/2 | |
| 2500 | 57.2 | 118.6 | 57.2 | 111.4 | | |

PGE104-.../.../...-FX4/4/4-N



View Y



View X

Front pump size 3:

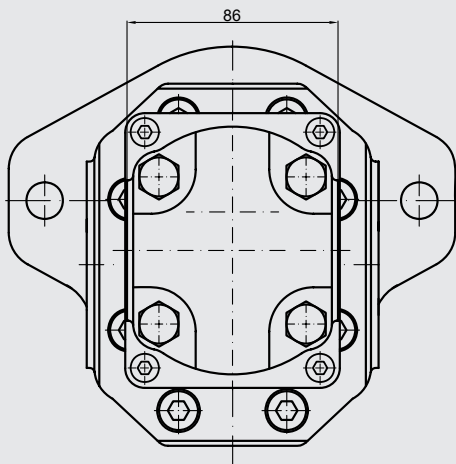
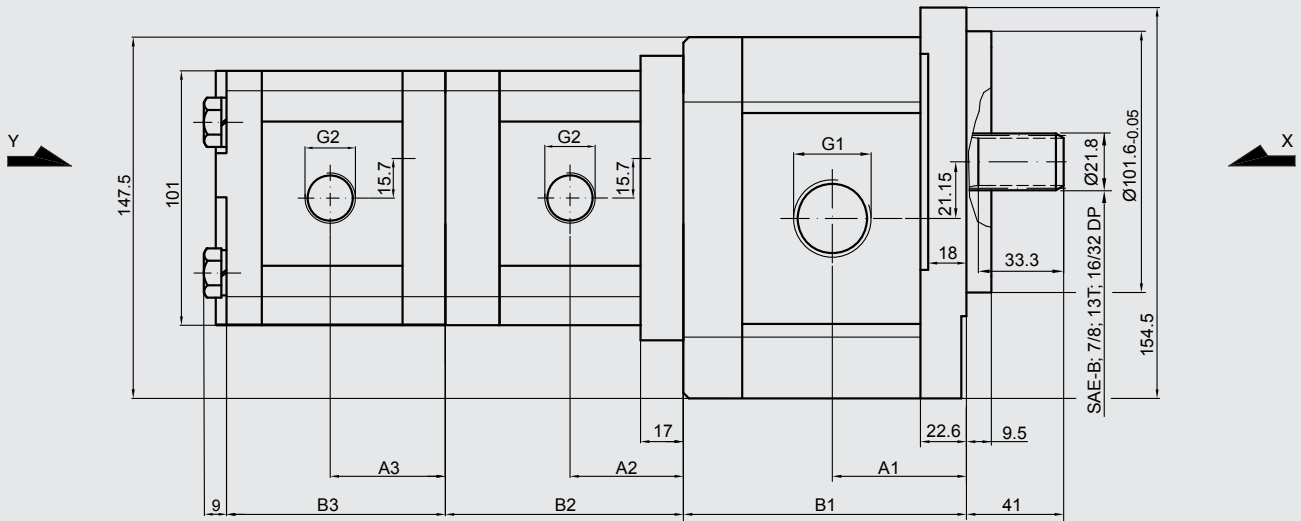
| Displacement | Geometric displacement [cm³/rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | |
|--------------|-------------------------------------|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|----|-----|--------|----|----|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet | | | Outlet | | |
| | | | | | | | | E1 | F1 | d1 | E1 | F1 | d1 |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 | 56.1 | 114.7 | 40 | 19 | M8 | 40 | 19 | M8 |
| 2250 | 22.5 | 31.7 | 63.5 | | | 57.6 | 117.7 | | | | | | |
| 2500 | 25 | 35.3 | 70.5 | | | 58.3 | 119.1 | | | | | | |
| 2800 | 28 | 39.5 | 79.0 | | | 60.2 | 122.7 | | | | | | |
| 3200 | 32 | 45.1 | 90.2 | | | 66.5 | 135.3 | | | | | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 | 68.0 | 138.5 | 51 | 27 | M10 | 40 | 19 | M8 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 | 70.8 | 144.0 | | | | | | |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 | 72.7 | 147.8 | | | | | | |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 | 74.5 | 151.4 | | | | | | |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 | 76.7 | 155.9 | | | | | | |
| 6000 | 60 | 85.5 | 99.8 | 150 | | 78.7 | 160.4 | | | | | | |

Middle and end pump size 2:

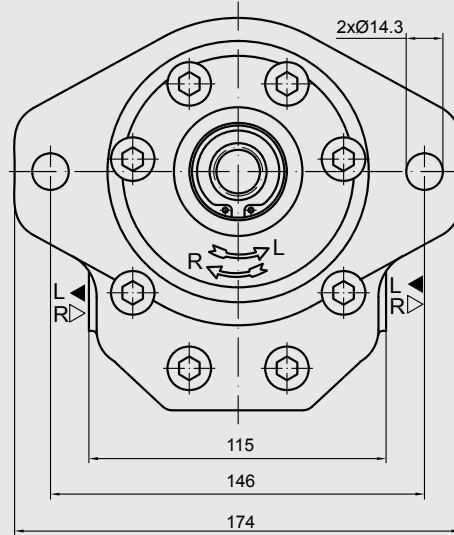
| Displacement | Geometric displacement [cm³/rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | |
|--------------|-------------------------------------|------------------------|------------------------|-------------------------|--------------------------|------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | |
| 630 | 6.3 | 8.69 | 20.29 | | | |
| 820 | 8.2 | 11.32 | 26.40 | | | |
| 1000 | 10 | 13.95 | 32.55 | | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | |
| 1200 | 12 | 16.92 | 39.48 | | | |
| 1400 | 14 | 19.95 | 46.55 | | | |
| 1500 | 15 | 21.60 | 36.00 | | | |
| 1600 | 16 | 23.04 | 38.40 | | | 2500 |
| 1900 | 19 | 27.36 | 45.60 | | | |
| 2200 | 22 | 31.68 | 42.24 | 180 | 2000 | |
| 2500 | 25 | 36.00 | 48.00 | 160 | | |

| Displacement | Dimensions | | | | | | | | | |
|--------------|------------|------------|------------|------------|-------|------|----|--------|------|----|
| | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | Inlet | | | Outlet | | |
| | | | | | E2 | F2 | d2 | E2 | F2 | d2 |
| 450 | 40.5 | 85.2 | 40.5 | 78 | 30 | 13.1 | M6 | 30 | 13.1 | M6 |
| 630 | 42 | 88.2 | 42 | 81 | | | | | | |
| 820 | 43.5 | 91.1 | 43.5 | 83.9 | | | | | | |
| 1000 | 45 | 94.2 | 45 | 87 | | | | | | |
| 1130 | 46 | 96.3 | 46 | 89 | | | | | | |
| 1200 | 46.6 | 97.5 | 46.6 | 90.3 | | | | | | |
| 1400 | 48 | 100.6 | 48 | 93.4 | | | | | | |
| 1500 | 49 | 102.1 | 49 | 95 | | | | | | |
| 1600 | 50 | 103.8 | 50 | 96.6 | | | | | | |
| 1900 | 52 | 108.7 | 52 | 101.5 | | | | | | |
| 2200 | 55 | 113.7 | 55 | 106.5 | | | | | | |
| 2500 | 57.2 | 118.6 | 57.2 | 111.4 | 40 | 19 | M8 | 40 | 19 | M8 |

PGE104-.../.../...-FX1/1/1-N



View Y



View X

Front pump size 3:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet G1 | Outlet G1 |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 | 56.1 | 114.7 | G 3/4 | G 3/4 |
| 2250 | 22.5 | 31.7 | 63.5 | | | 57.6 | 117.7 | | |
| 2500 | 25 | 35.3 | 70.5 | | | 58.3 | 119.1 | | |
| 2800 | 28 | 39.5 | 79.0 | | | 60.2 | 122.7 | | |
| 3200 | 32 | 45.1 | 90.2 | | | 66.5 | 135.3 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 | 68.0 | 138.5 | G 1 | |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 | 70.8 | 144.0 | | |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 | 72.7 | 147.8 | | |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 | 74.5 | 151.4 | | |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 | 76.7 | 155.9 | | |
| 6000 | 60 | 85.5 | 99.8 | 150 | | 78.7 | 160.4 | | |

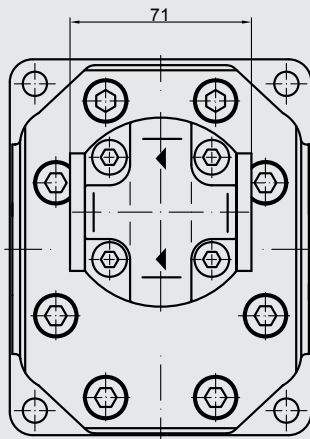
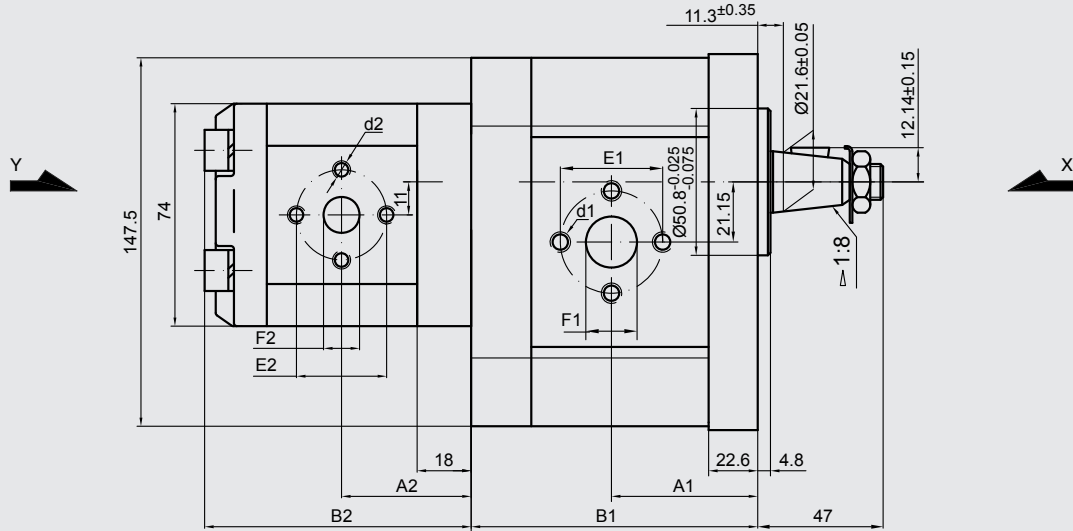
Middle and end pump size 2:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | |
| 630 | 6.3 | 8.69 | 20.29 | | | |
| 820 | 8.2 | 11.32 | 26.40 | | | |
| 1000 | 10 | 13.95 | 32.55 | | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | |
| 1200 | 12 | 16.92 | 39.48 | | | |
| 1400 | 14 | 19.95 | 46.55 | | | |
| 1500 | 15 | 21.60 | 36.00 | | | |
| 1600 | 16 | 23.04 | 38.40 | | | 2500 |
| 1900 | 19 | 27.36 | 45.60 | | | |
| 2200 | 22 | 31.68 | 42.24 | 180 | 2000 | |
| 2500 | 25 | 36.00 | 48.00 | 160 | | |

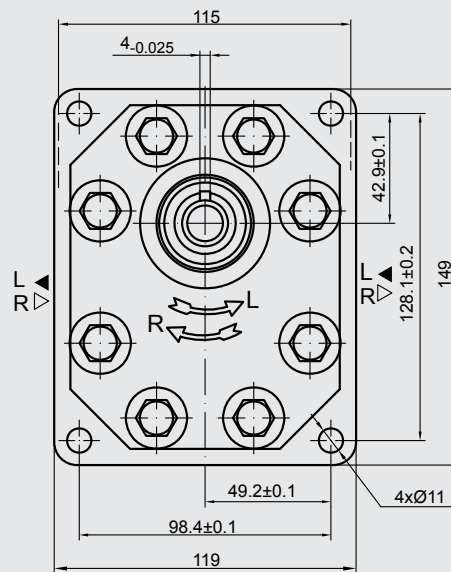
| Displacement | Dimensions | | | | Inlet G2 | Outlet G2 |
|--------------|------------|------------|------------|------------|-------------|--------------|
| | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | | |
| 450 | 40.5 | 85.2 | 40.5 | 78 | G 1/2 | G 1/2 |
| 630 | 42 | 88.2 | 42 | 81 | | |
| 820 | 43.5 | 91.1 | 43.5 | 83.9 | | |
| 1000 | 45 | 94.2 | 45 | 87 | | |
| 1130 | 46 | 96.3 | 46 | 89 | | |
| 1200 | 46.6 | 97.5 | 46.5 | 90.3 | | |
| 1400 | 48 | 100.6 | 48 | 93.4 | | |
| 1500 | 49 | 102.1 | 49 | 95 | | |
| 1600 | 50 | 103.8 | 50 | 96.5 | | |
| 1900 | 52 | 108.7 | 52 | 101.5 | | |
| 2200 | 55 | 113.7 | 55 | 106.5 | | |
| 2500 | 57.2 | 118.6 | 57.2 | 111.4 | | |

6.5.31 Double pump size 3 / size 1

PGE104-.../...-BS4/4-N



View Y



View X

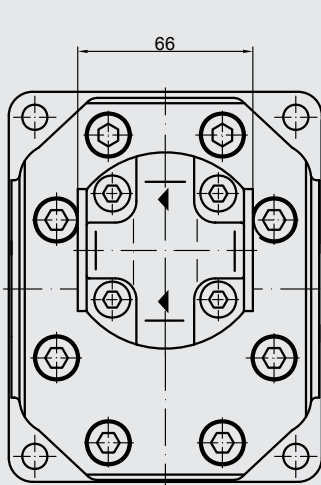
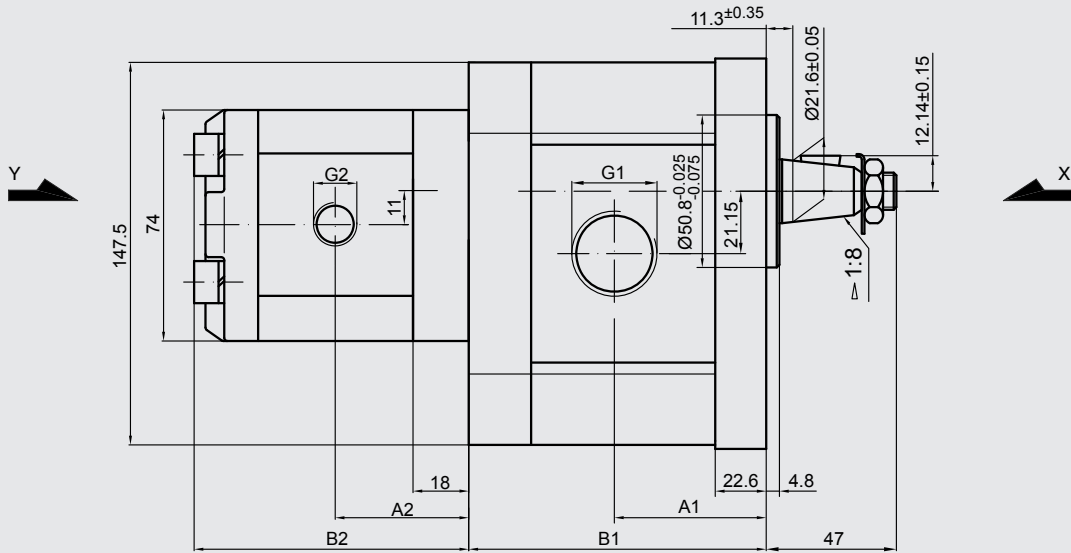
Front pump size 3:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|----|-----|--------|----|----|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet | | | Outlet | | |
| | | | | | | | | E1 | F1 | d1 | E1 | F1 | d1 |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 | 56.1 | 117.2 | 40 | 19 | M8 | 40 | 19 | M8 |
| 2250 | 22.5 | 31.7 | 63.5 | | | 57.6 | 120.2 | | | | | | |
| 2500 | 25 | 35.3 | 70.5 | | | 58.3 | 121.6 | | | | | | |
| 2800 | 28 | 39.5 | 79.0 | | | 60.2 | 125.2 | | | | | | |
| 3200 | 32 | 45.1 | 90.2 | | | 66.5 | 137.8 | | | | | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 | 68.0 | 141.0 | 51 | 27 | M10 | 40 | 19 | M8 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 | 70.8 | 146.5 | | | | | | |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 | 72.7 | 150.3 | | | | | | |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 | 74.5 | 153.9 | | | | | | |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 | 76.7 | 158.4 | | | | | | |
| 6000 | 60 | 85.5 | 99.8 | 150 | | 78.7 | 162.9 | | | | | | |

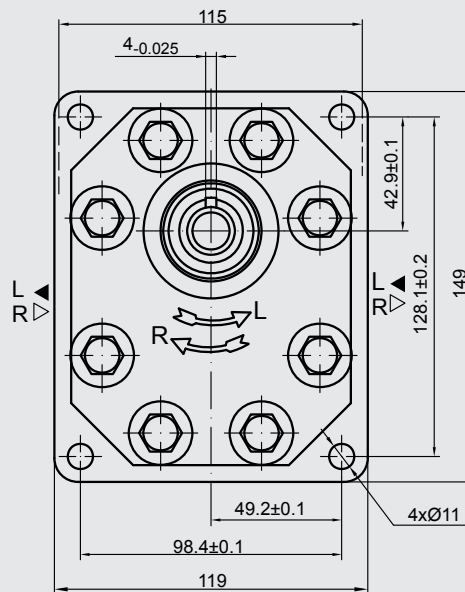
End pump size 1:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|----|----|--------|----|----|-------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A2 [mm] | B2 [mm] | Inlet | | | Outlet | | | |
| | | | | | | | | E2 | F2 | d2 | E2 | F2 | d2 | |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 | 39.1 | 81 | 30 | 12 | M6 | 30 | 12 | M6 | |
| 125 | 1.25 | 1.74 | 4.07 | | | 39.5 | 82 | | | | | | | |
| 160 | 1.6 | 2.23 | 5.21 | | | 40.3 | 83.6 | | | | | | | |
| 200 | 2 | 2.82 | 6.58 | | | 41.1 | 85.2 | | | | | | | |
| 250 | 2.5 | 3.53 | 8.23 | | | 42.1 | 87.2 | | | | | | | |
| 315 | 3.15 | 4.44 | 10.36 | | | 43.5 | 89.8 | | | | | | | |
| 365 | 3.65 | 5.15 | 12.01 | | | 44.4 | 91.9 | | | | | | | |
| 420 | 4.2 | 5.92 | 13.82 | | | 45.5 | 94.1 | | | | | | | |
| 500 | 5 | 7.05 | 14.10 | | | 3000 | 47.1 | | | | | | | 97.2 |
| 610 | 6.1 | 8.69 | 14.49 | | | 200 | 49.4 | | | | | | | 101.8 |
| 740 | 7.4 | 10.55 | 17.58 | 170 | 52.1 | 107.2 | | | | | | | | |

PGE104-.../...-BS1/1-N



View Y



View X

Front pump size 3:

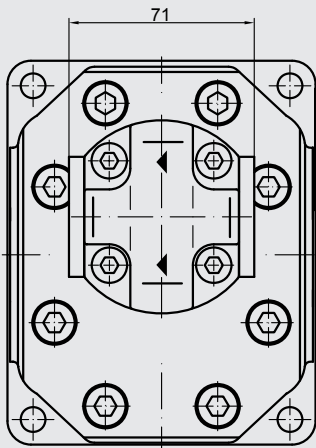
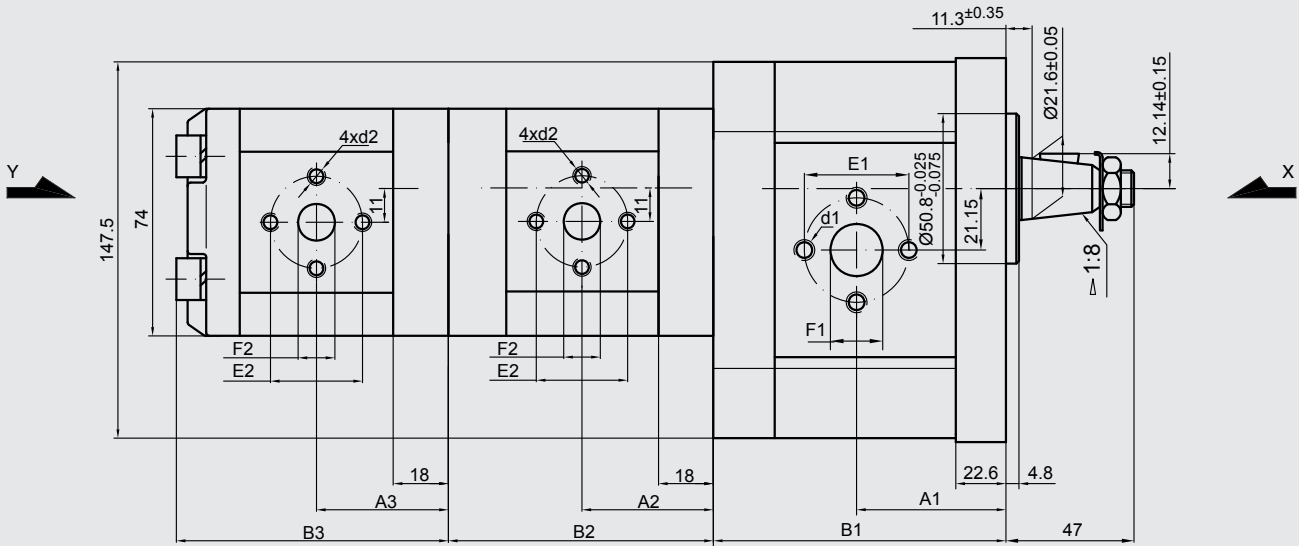
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet G1 | Outlet G1 |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 | 56.1 | 117.2 | G 3/4 | G 3/4 |
| 2250 | 22.5 | 31.7 | 63.5 | | | 57.6 | 120.2 | | |
| 2500 | 25 | 35.3 | 70.5 | | | 58.3 | 121.6 | | |
| 2800 | 28 | 39.5 | 79.0 | | | 60.2 | 125.2 | | |
| 3200 | 32 | 45.1 | 90.2 | | | 66.5 | 137.8 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 | 68.0 | 141.0 | G 1 | |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 | 70.8 | 146.5 | | |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 | 72.7 | 150.3 | | |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 | 74.5 | 153.9 | | |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 | 76.7 | 158.4 | | |
| 6000 | 60 | 85.5 | 99.8 | 150 | | 78.7 | 162.9 | | |

End pump size 1:

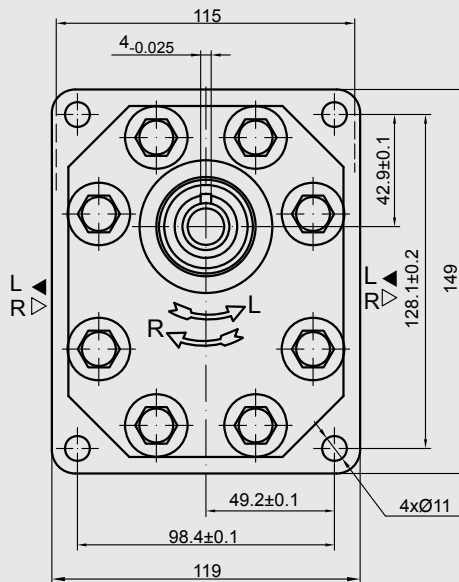
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|-------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A2 [mm] | B2 [mm] | Inlet G2 | Outlet G2 | |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 | 39.1 | 81 | G 3/8 | G 3/8 | |
| 125 | 1.25 | 1.74 | 4.07 | | | 39.5 | 82 | | | |
| 160 | 1.6 | 2.23 | 5.21 | | | 40.3 | 83.6 | | | |
| 200 | 2 | 2.82 | 6.58 | | | 41.1 | 85.2 | | | |
| 250 | 2.5 | 3.53 | 8.23 | | | 42.1 | 87.2 | | | |
| 315 | 3.15 | 4.44 | 10.36 | | | 43.5 | 89.8 | | | |
| 365 | 3.65 | 5.15 | 12.01 | | | 44.4 | 91.9 | | | |
| 420 | 4.2 | 5.92 | 13.82 | | | 45.5 | 94.1 | G 1/2 | | |
| 500 | 5 | 7.05 | 14.10 | | | 3000 | 47.1 | | | 97.2 |
| 610 | 6.1 | 8.69 | 14.49 | | | 200 | 49.4 | | | 101.8 |
| 740 | 7.4 | 10.55 | 17.58 | 170 | 52.1 | 107.2 | | | | |

6.5.32 Triple pump size 3 / size 1 / size 1

PGE104-.../.../...-BS4/4/4-N



View Y



View X

Front pump size 3:

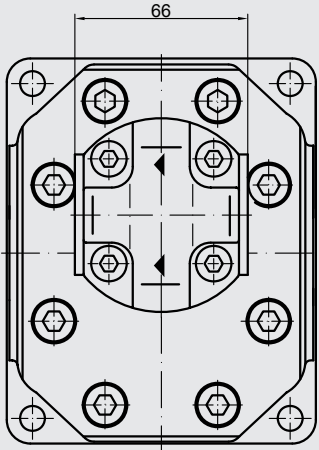
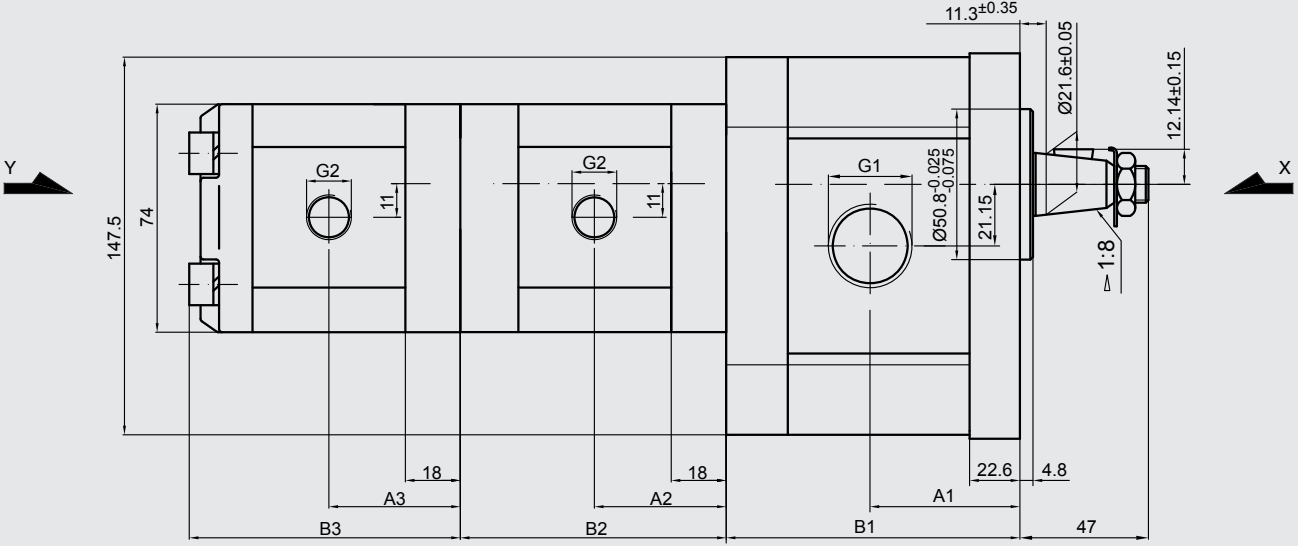
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|----|-----|--------|----|----|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet | | | Outlet | | |
| | | | | | | E1 | F1 | d1 | E1 | F1 | d1 | | |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 | 56.1 | 117.2 | 40 | 19 | M8 | 40 | 19 | M8 |
| 2250 | 22.5 | 31.7 | 63.5 | | | 57.6 | 120.2 | | | | | | |
| 2500 | 25 | 35.3 | 70.5 | | | 58.3 | 121.6 | | | | | | |
| 2800 | 28 | 39.5 | 79.0 | | | 60.2 | 125.2 | | | | | | |
| 3200 | 32 | 45.1 | 90.2 | | | 66.5 | 137.8 | | | | | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 | 68.0 | 141.0 | 51 | 27 | M10 | 40 | 19 | M8 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 | 70.8 | 146.5 | | | | | | |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 | 72.7 | 150.3 | | | | | | |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 | 74.5 | 153.9 | | | | | | |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 | 76.7 | 158.4 | | | | | | |
| 6000 | 60 | 85.5 | 99.8 | 150 | | 78.7 | 162.9 | | | | | | |

Middle and end pump size 1:

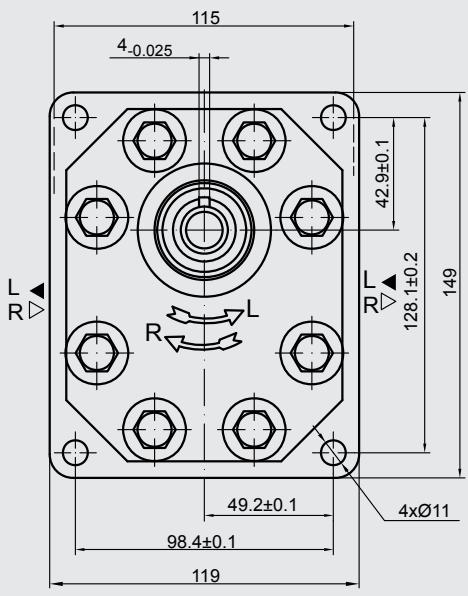
| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 | |
| 125 | 1.25 | 1.74 | 4.07 | | | |
| 160 | 1.6 | 2.23 | 5.21 | | | |
| 200 | 2 | 2.82 | 6.58 | | | |
| 250 | 2.5 | 3.53 | 8.23 | | | |
| 315 | 3.15 | 4.44 | 10.36 | | | |
| 365 | 3.65 | 5.15 | 12.01 | | | |
| 420 | 4.2 | 5.92 | 13.82 | | | |
| 500 | 5 | 7.05 | 14.10 | | | 3000 |
| 610 | 6.1 | 8.69 | 14.49 | | | 200 |
| 740 | 7.4 | 10.55 | 17.58 | 170 | | |

| Displacement | Dimensions | | | | | | | | | |
|--------------|------------|------------|------------|------------|-------|----|----|--------|----|----|
| | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | Inlet | | | Outlet | | |
| | | | | | E2 | F2 | d2 | E2 | F2 | d2 |
| 100 | 39.1 | 79 | 39.1 | 79 | 30 | 12 | M6 | 30 | 12 | M6 |
| 125 | 39.5 | 80 | 39.5 | 80 | | | | | | |
| 160 | 40.3 | 81.6 | 40.3 | 81.6 | | | | | | |
| 200 | 41.1 | 83.2 | 41.1 | 83.2 | | | | | | |
| 250 | 42.1 | 85.2 | 42.1 | 85.2 | | | | | | |
| 315 | 43.5 | 87.8 | 43.5 | 87.8 | | | | | | |
| 365 | 44.4 | 89.9 | 44.4 | 89.9 | | | | | | |
| 420 | 45.5 | 92.1 | 45.5 | 92.1 | | | | | | |
| 500 | 47.1 | 95.2 | 47.1 | 95.2 | | | | | | |
| 610 | 49.4 | 99.8 | 49.4 | 99.8 | | | | | | |
| 740 | 52.1 | 105.2 | 52.1 | 105.2 | | | | | | |

PGE104-.../.../...-BS1/1/1-N



View Y



View X

Front pump size 3:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet G1 | Outlet G1 |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 | 56.1 | 117.2 | G 3/4 | G 3/4 |
| 2250 | 22.5 | 31.7 | 63.5 | | | 57.6 | 120.2 | | |
| 2500 | 25 | 35.3 | 70.5 | | | 58.3 | 121.6 | | |
| 2800 | 28 | 39.5 | 79.0 | | | 60.2 | 125.2 | | |
| 3200 | 32 | 45.1 | 90.2 | | | 66.5 | 137.8 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 | 68.0 | 141.0 | G 1 | |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 | 70.8 | 146.5 | | |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 | 72.7 | 150.3 | | |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 | 74.5 | 153.9 | | |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 | 76.7 | 158.4 | | |
| 6000 | 60 | 85.5 | 99.8 | 150 | | 78.7 | 162.9 | | |

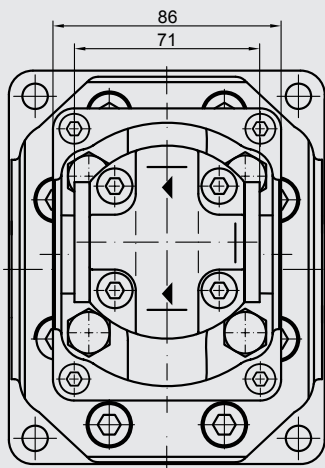
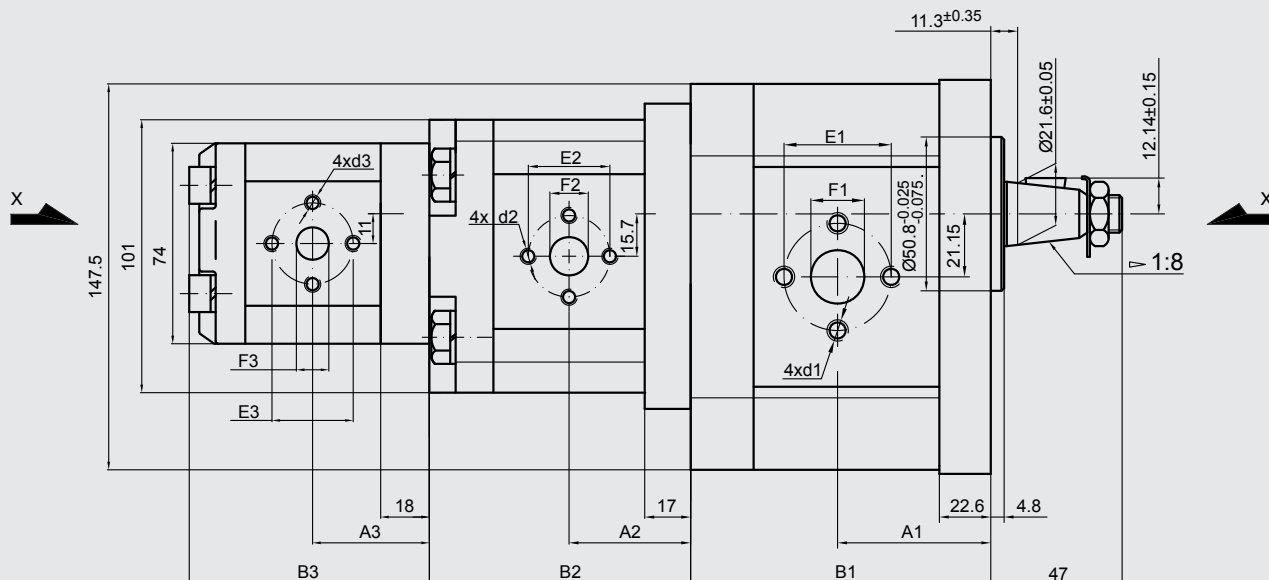
Middle and end pump size 1:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 | |
| 125 | 1.25 | 1.74 | 4.07 | | | |
| 160 | 1.6 | 2.23 | 5.21 | | | |
| 200 | 2 | 2.82 | 6.58 | | | |
| 250 | 2.5 | 3.53 | 8.23 | | | |
| 315 | 3.15 | 4.44 | 10.36 | | | |
| 365 | 3.65 | 5.15 | 12.01 | | | |
| 420 | 4.2 | 5.92 | 13.82 | | | |
| 500 | 5 | 7.05 | 14.10 | | | 3000 |
| 610 | 6.1 | 8.69 | 14.49 | | | 200 |
| 740 | 7.4 | 10.55 | 17.58 | 170 | | |

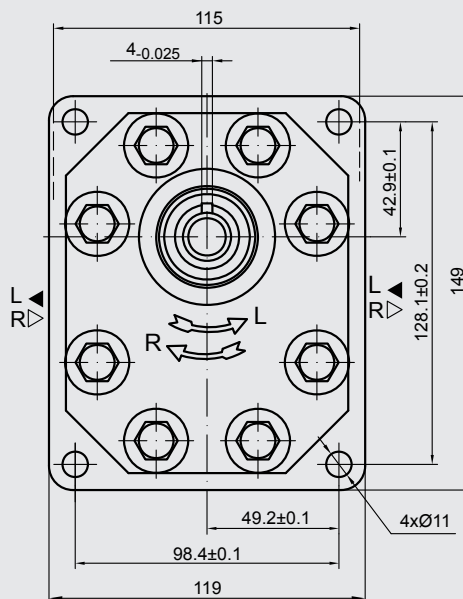
| Displacement | Dimensions | | | | Inlet G2 | Outlet G2 |
|--------------|------------|------------|------------|------------|-------------|--------------|
| | A2 [mm] | B2 [mm] | A3 [mm] | B3 [mm] | | |
| 100 | 39.1 | 79 | 39.1 | 79 | G 3/8 | G 3/8 |
| 125 | 39.5 | 80 | 39.5 | 80 | | |
| 160 | 40.3 | 81.6 | 40.3 | 81.6 | | |
| 200 | 41.1 | 83.2 | 41.1 | 83.2 | | |
| 250 | 42.1 | 85.2 | 42.1 | 85.2 | | |
| 315 | 43.5 | 87.8 | 43.5 | 87.8 | | |
| 365 | 44.4 | 89.9 | 44.4 | 89.9 | G 1/2 | |
| 420 | 45.5 | 92.1 | 45.5 | 92.1 | | |
| 500 | 47.1 | 95.2 | 47.1 | 95.2 | | |
| 610 | 49.4 | 99.8 | 49.4 | 99.8 | | |
| 740 | 52.1 | 105.2 | 52.1 | 105.2 | | |

6.5.33 Triple pump size 3 / size 2 / size 1

PGE104-.../.../...-BS4/4/4-N



View Y



View X

Front pump size 3:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|----|-----|--------|----|----|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet | | | Outlet | | |
| | | | | | | | | E1 | F1 | d1 | E1 | F1 | d1 |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 | 56.1 | 114.7 | 40 | 19 | M8 | 40 | 19 | M8 |
| 2250 | 22.5 | 31.7 | 63.5 | | | 57.6 | 117.7 | | | | | | |
| 2500 | 25 | 35.3 | 70.5 | | | 58.3 | 119.1 | | | | | | |
| 2800 | 28 | 39.5 | 79.0 | | | 60.2 | 122.7 | | | | | | |
| 3200 | 32 | 45.1 | 90.2 | | | 66.5 | 135.3 | | | | | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 | 68.0 | 138.5 | 51 | 27 | M10 | 40 | 19 | M8 |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 | 70.8 | 144.0 | | | | | | |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 | 72.7 | 147.8 | | | | | | |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 | 74.5 | 151.4 | | | | | | |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 | 76.7 | 155.9 | | | | | | |
| 6000 | 60 | 85.5 | 99.8 | 150 | | 78.7 | 160.4 | | | | | | |

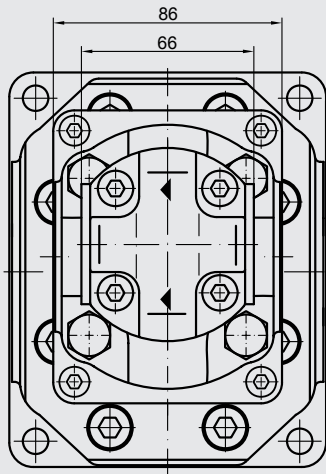
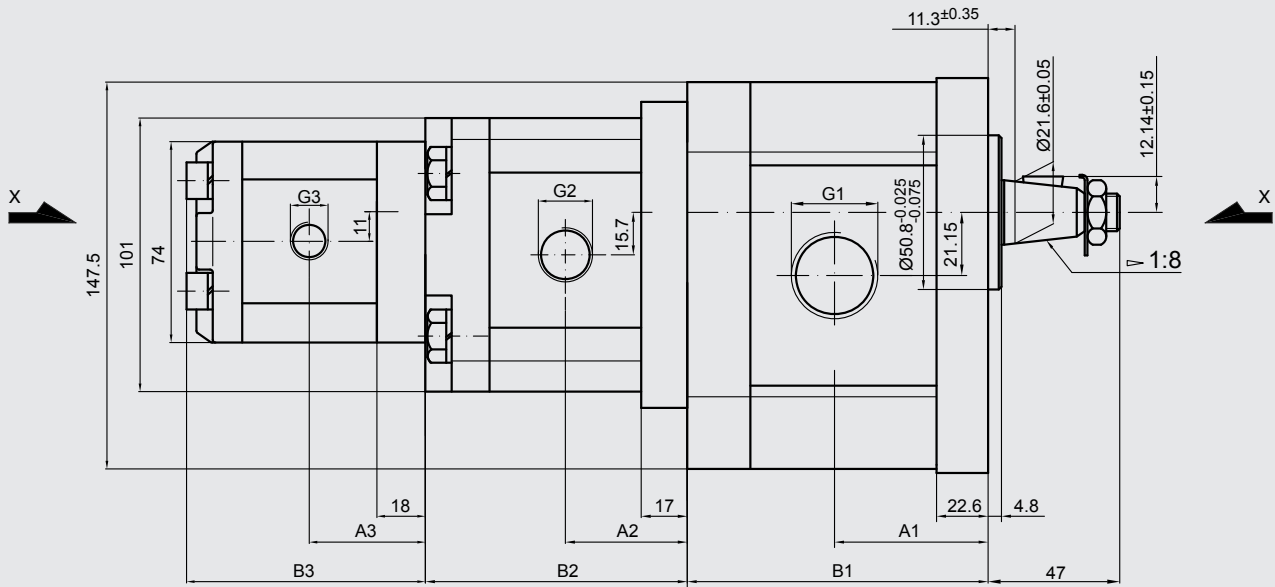
Middle pump size 2:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|------|----|--------|------|----|-------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A2 [mm] | B2 [mm] | Inlet | | | Outlet | | | |
| | | | | | | | | E2 | F2 | d2 | E2 | F2 | d2 | |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | 40.5 | 87.6 | 30 | 13.1 | M6 | 30 | 13.1 | M6 | |
| 630 | 6.3 | 8.69 | 20.29 | | | 42 | 90.6 | | | | | | | |
| 820 | 8.2 | 11.32 | 26.40 | | | 43.5 | 93.5 | | | | | | | |
| 1000 | 10 | 13.95 | 32.55 | | | 45 | 96.6 | | | | | | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | 46 | 98.7 | | | | | | | |
| 1200 | 12 | 16.92 | 39.48 | | | 46.6 | 99.9 | | | | | | | |
| 1400 | 14 | 19.95 | 46.55 | | | 48 | 103 | | | | | | | |
| 1500 | 15 | 21.60 | 36.00 | | | 2500 | 49 | | | | | | | 104.5 |
| 1600 | 16 | 23.04 | 38.40 | | | | 50 | | | | | | | 106.2 |
| 1900 | 19 | 27.36 | 45.60 | | | 200 | 52 | | | | | | | 111.1 |
| 2200 | 22 | 31.68 | 42.24 | 180 | 55 | 116.1 | | | | | | | | |
| 2500 | 25 | 36.00 | 48.00 | 160 | 2000 | 57.2 | 121.1 | 40 | 19 | M8 | 40 | 19 | M8 | |

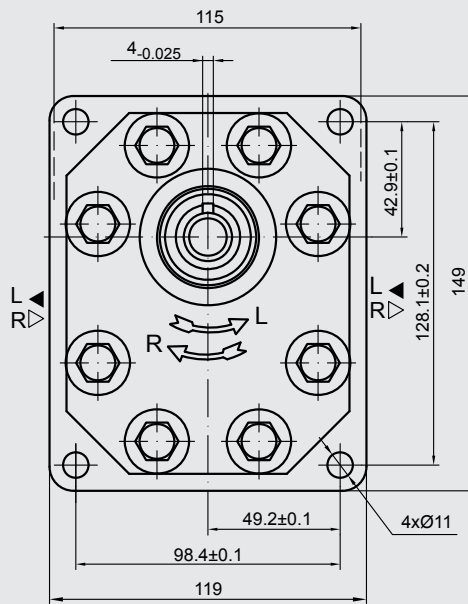
End pump size 1:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------|----|----|--------|----|----|------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A3 [mm] | B3 [mm] | Inlet | | | Outlet | | | |
| | | | | | | | | E3 | F3 | d3 | E3 | F3 | d3 | |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 | 39.1 | 81 | 30 | 12 | M6 | 30 | 12 | M6 | |
| 125 | 1.25 | 1.74 | 4.07 | | | 39.5 | 82 | | | | | | | |
| 160 | 1.6 | 2.23 | 5.21 | | | 40.3 | 83.6 | | | | | | | |
| 200 | 2 | 2.82 | 6.58 | | | 41.1 | 85.2 | | | | | | | |
| 250 | 2.5 | 3.53 | 8.23 | | | 42.1 | 87.2 | | | | | | | |
| 315 | 3.15 | 4.44 | 10.36 | | | 43.5 | 89.8 | | | | | | | |
| 365 | 3.65 | 5.15 | 12.01 | | | 44.4 | 91.9 | | | | | | | |
| 420 | 4.2 | 5.92 | 13.82 | | | 45.5 | 94.1 | | | | | | | |
| 500 | 5 | 7.05 | 14.10 | | | 3000 | 47.1 | | | | | | | 97.2 |
| 610 | 6.1 | 8.69 | 14.49 | | | 200 | 2500 | | | | | | | 49.4 |
| 740 | 7.4 | 10.55 | 17.58 | 170 | 52.1 | 107.2 | | | | | | | | |

PGE104-.../.../...-BS1/1/1-N



View Y



View X

Front pump size 3:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A1 [mm] | B1 [mm] | Inlet G1 | Outlet G1 |
| 2000 | 20 | 28.2 | 56.4 | 250 | 3000 | 56.1 | 114.7 | G 3/4 | G 3/4 |
| 2250 | 22.5 | 31.7 | 63.5 | | | 57.6 | 117.7 | | |
| 2500 | 25 | 35.3 | 70.5 | | | 58.3 | 119.1 | | |
| 2800 | 28 | 39.5 | 79.0 | | | 60.2 | 122.7 | | |
| 3200 | 32 | 45.1 | 90.2 | | | 66.5 | 135.3 | | |
| 3600 | 36 | 51.3 | 95.8 | 240 | 2800 | 68.0 | 138.5 | G 1 | |
| 4200 | 42 | 59.9 | 99.8 | 230 | 2500 | 70.8 | 144.0 | | |
| 4600 | 46 | 65.6 | 100.5 | 210 | 2300 | 72.7 | 147.8 | | |
| 5000 | 50 | 71.3 | 99.8 | 185 | 2100 | 74.5 | 151.4 | | |
| 5500 | 55 | 78.4 | 91.4 | 165 | 1750 | 76.7 | 155.9 | | |
| 6000 | 60 | 85.5 | 99.8 | 150 | | 78.7 | 160.4 | | |

Middle pump size 2:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A2 [mm] | B2 [mm] | Inlet G2 | Outlet G2 |
| 450 | 4.5 | 6.14 | 14.33 | 250 | 3500 | 40.5 | 87.6 | G 1/2 | G 1/2 |
| 630 | 6.3 | 8.69 | 20.29 | | | 42 | 90.6 | | |
| 820 | 8.2 | 11.32 | 26.40 | | | 43.5 | 93.5 | | |
| 1000 | 10 | 13.95 | 32.55 | | | 45 | 96.6 | | |
| 1130 | 11.3 | 15.76 | 36.78 | | | 46 | 98.7 | | |
| 1200 | 12 | 16.92 | 39.48 | | | 46.6 | 99.9 | | |
| 1400 | 14 | 19.95 | 46.55 | | | 48 | 103 | G 3/4 | |
| 1500 | 15 | 21.60 | 36.00 | | | 49 | 104.5 | | |
| 1600 | 16 | 23.04 | 38.40 | | | 50 | 106.2 | | |
| 1900 | 19 | 27.36 | 45.60 | | | 200 | 52 | | |
| 2200 | 22 | 31.68 | 42.24 | 180 | 55 | 116.1 | | | |
| 2500 | 25 | 36.00 | 48.00 | 160 | 2000 | 57.2 | 121.1 | | |

End pump size 1:

| Displacement | Geometric displacement [cm ³ /rev] | Flow | | Pressure Rated [bar] | Max. speed n [rpm] | Dimensions | | | | |
|--------------|--|------------------------|------------------------|-------------------------|--------------------------|------------|------------|-------------|--------------|------|
| | | at 1500 rpm [l/min] | at max. rpm [l/min] | | | A3 [mm] | B3 [mm] | Inlet G3 | Outlet G3 | |
| 100 | 1 | 1.40 | 3.26 | 250 | 3500 | 39.1 | 81 | G 3/8 | G 3/8 | |
| 125 | 1.25 | 1.74 | 4.07 | | | 39.5 | 82 | | | |
| 160 | 1.6 | 2.23 | 5.21 | | | 40.3 | 83.6 | | | |
| 200 | 2 | 2.82 | 6.58 | | | 41.1 | 85.2 | | | |
| 250 | 2.5 | 3.53 | 8.23 | | | 42.1 | 87.2 | | | |
| 315 | 3.15 | 4.44 | 10.36 | | | 43.5 | 89.8 | G 1/2 | | |
| 365 | 3.65 | 5.15 | 12.01 | | | 44.4 | 91.9 | | | |
| 420 | 4.2 | 5.92 | 13.82 | | | 45.5 | 94.1 | | | |
| 500 | 5 | 7.05 | 14.10 | | | 3000 | 47.1 | | | 97.2 |
| 610 | 6.1 | 8.69 | 14.49 | | | 200 | 2500 | | | 49.4 |
| 740 | 7.4 | 10.55 | 17.58 | 170 | 2500 | 52.1 | 107.2 | | | |

