



## COMPONENT CATALOG PUMPS



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## Hydraulic pumps

Hyva offers a complete range of gear and piston pumps with a displacement of 20 until 133 cm<sup>3</sup>/rev and a working pressure up to 350 bar.

## Gear pumps

Hyva offers top quality gear pumps for tipping and other applications. FLASH series is suitable to work with pressure up to 225 bar, features reinforced bearing system and 4 connection ports. BRITE series is heavy duty range suitable to work with Hyva ALPHA wetkits with working pressure of 250bar, these pumps feature reinforced bearing system and are available in several connection ports configurations. The new series of CVP is a range of compact pumps to meet the demanding requests from the modern truck manufacturers, with the compact bearing system design, compact in dimensions and weight, these pumps can work with ALPHA systems at 250bar.

All our standard gear pumps are BI-ROTATIONAL to optimize to stock levels and installation time, as standard they also feature leakage indicator system in line with leading gearbox manufacturers, all our pumps are delivered after pressure testing and running in procedure in both directions to assure outstanding performance from the first moments after the easy installation.

## Piston pumps

For high pressure and long continuous use Hyva strongly suggests using our piston pumps, these pumps are suitable to work with pressure up to 350bar in such applications like cranes, hook and skip loaders, unloading systems and others where heat generation is significant. As in other Hyva pumps, they are equipped with leakage indicator systems, the rotation direction can be easily changed by reversing the rear cover plate. Hyva piston pumps are suitable to work with the by-pass valves and engine PTO's allowing for operation while driving the vehicle.

## Special pumps

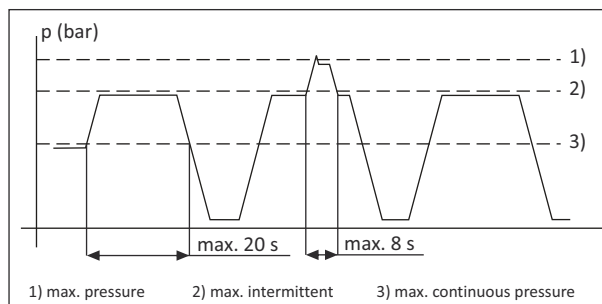
Besides the standard Hyva pump range listed in this catalogue, Hyva also offers on request a number of special pumps for truck applications – twin flow gear and piston pumps, pumps for engine PTO's with by-pass valve, pumps produced by recognized third parties like Parker, Hydro Leduc, Sunfab and others, various pump adaptors and accessories.

## Code system hydraulic pumps

| Pump | 073L | BI | 4H | BR |                             | L = Anti-clockwise (seen from the front side) |
|------|------|----|----|----|-----------------------------|-----------------------------------------------|
|      | 073L |    |    |    | Displacement in litres/min. | R = Clockwise (seen from the front side)      |
|      |      | BI |    |    | Rotation                    | BI = BI-rotational                            |
|      |      |    | 4H |    | Mounting holes              | 3H = UNI 3H; 3 holes                          |
|      |      |    |    | BR | Extra code                  | BR = BRITE series                             |
|      |      |    |    |    |                             | 4H = ISO 4H; 4 holes                          |

## The pressures that matter in application of pumps are:

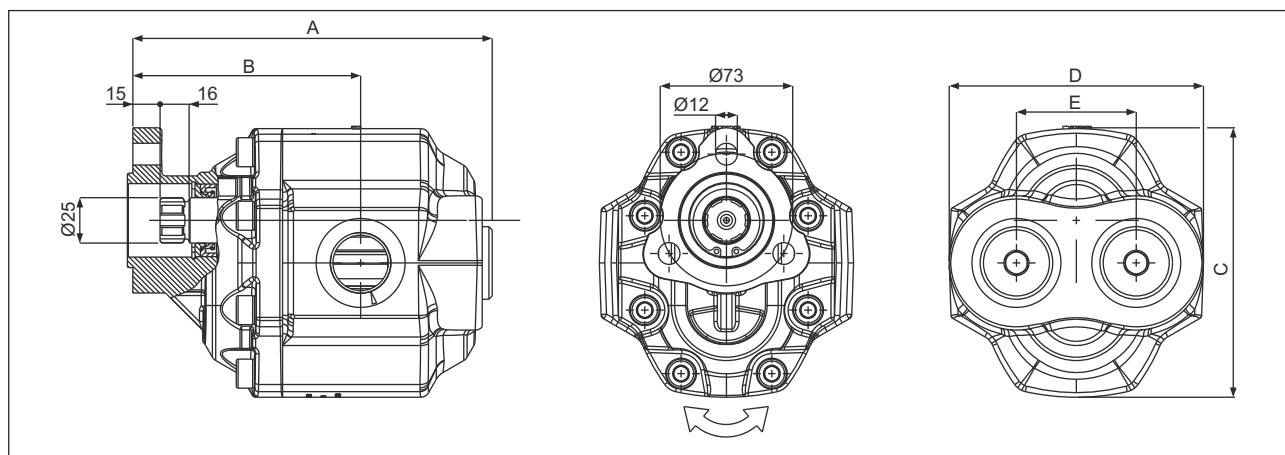
- Max. peak pressure; pressure allowed for a short interval of max 8 seconds. (1)
- Max. intermittent pressure; pressure allowed for maximum 20 seconds. (2)
- Max. continuous pressure; pressure allowed constantly, without peaks. (3)



For tippers we generally use max. intermittent pressure as the tipping cycle does not require maximum pressure for long intervals. For moving floor trailers both piston pump and HD gear pumps can be used. For hook and skiploaders, cranes we advise to use piston pumps. Piston pumps require extra attention when it comes to suction characteristics and oil filtration. Rotation Frequency (RF) should not be too high as this negatively influences the suction performance of the pump, especially when the pump is mounted above the suction connection to the oil tank. Max. Self Priming Speed (MSPS) is the speed allowed for which the pump suction still performs well, with pump fitted above tank level. Max. rotation frequency, is the speed allowed with pump below tank. In the following tables the max. intermitted pressure is given as working pressure.

## GEAR PUMPS UNI 3H: BI-ROTATIONAL

| Part no. | Description          | Displacement (cm <sup>3</sup> ) | Weight (kg) | Suction port      | Suction adapter   | Pressure port     | Rotation frequency (rpm) | Working pressure (bar) |
|----------|----------------------|---------------------------------|-------------|-------------------|-------------------|-------------------|--------------------------|------------------------|
| 14563028 | GEAR PUMP 020L-BI-3H | 20                              | 6.3         | G $\frac{1}{2}$ " | 1 $\frac{1}{4}$ " | G $\frac{1}{2}$ " | 2000                     | 280                    |
| 14563033 | GEAR PUMP 025L-BI-3H | 25                              | 6.8         | G $\frac{3}{4}$ " | 1 $\frac{1}{4}$ " | G $\frac{3}{4}$ " | 2000                     | 250                    |
| 14563043 | GEAR PUMP 032L-BI-3H | 32                              | 7.2         | G $\frac{3}{4}$ " | 1 $\frac{1}{4}$ " | G $\frac{3}{4}$ " | 1800                     | 210                    |
| 14563034 | GEAR PUMP 035L-BI-3H | 35                              | 12          | G $\frac{3}{4}$ " | 1 $\frac{1}{4}$ " | G $\frac{3}{4}$ " | 2500                     | 300                    |
| 14563052 | GEAR PUMP 052L-BI-3H | 52                              | 13          | G1"               | 1 $\frac{3}{4}$ " | G1"               | 2500                     | 270                    |
| 14563061 | GEAR PUMP 061L-BI-3H | 61                              | 13.5        | G1"               | 1 $\frac{3}{4}$ " | G1"               | 2500                     | 250                    |
| 14563082 | GEAR PUMP 082L-BI-3H | 82                              | 15.5        | G1"               | 1 $\frac{3}{4}$ " | G1"               | 2250                     | 280                    |



| Part no. | Description          | A   | B     | C     | D     | E  |
|----------|----------------------|-----|-------|-------|-------|----|
| 14563028 | GEAR PUMP 020L-BI-3H | 157 | 119   | 102   | 100   | 48 |
| 14563033 | GEAR PUMP 025L-BI-3H | 160 | 112   | 102   | 100   | 48 |
| 14563043 | GEAR PUMP 032L-BI-3H | 175 | 122   | 102   | 100   | 48 |
| 14563034 | GEAR PUMP 035L-BI-3H | 168 | 109.5 | 148.5 | 128.1 | 60 |
| 14563052 | GEAR PUMP 052L-BI-3H | 179 | 111.5 | 148.5 | 128.1 | 60 |
| 14563061 | GEAR PUMP 061L-BI-3H | 185 | 117.5 | 148.5 | 128.1 | 60 |
| 14563082 | GEAR PUMP 082L-BI-3H | 198 | 125.5 | 148.5 | 128.1 | 60 |

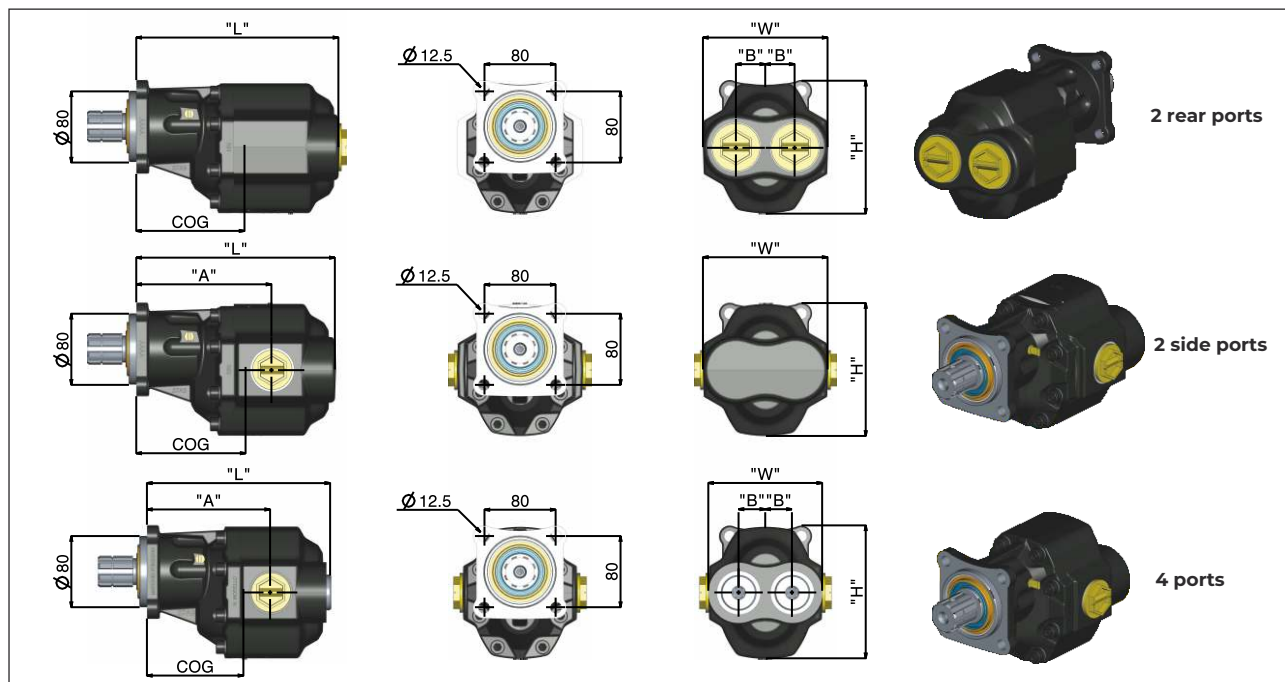
## SEAL KITS

| Part no. | Description              |
|----------|--------------------------|
| 02460055 | SEAL KIT FOR 020L - 032L |
| 02460067 | SEAL KIT FOR 035L - 061L |
| 02410028 | SEAL KIT FOR 082L        |



## ALPHA GEAR PUMP BI - 4H BRITE: BI-ROTATIONAL

| Part no. | Description                 | Displacement (cm <sup>3</sup> ) | Weight (kg) | Port configuration | Suction port       | Pressure port      | Rotation freq. (rpm) | Working pressure (bar) |
|----------|-----------------------------|---------------------------------|-------------|--------------------|--------------------|--------------------|----------------------|------------------------|
| 14562005 | GEAR PUMP 035L-BI-4H-BRITE  | 35                              | 12.5        | 4                  | G $\frac{3}{4}$ "  | G $\frac{3}{4}$ "  | 2500                 | 275                    |
| 14562010 | GEAR PUMP 052L-BI-4H5-BRITE | 52                              | 13.5        | 4                  | G1"                | G1"                | 2500                 | 275                    |
| 14562015 | GEAR PUMP 061L-BI-4H5-BRITE | 61                              | 14          | 4                  | G1"                | G1"                | 2500                 | 250                    |
| 14562030 | GEAR PUMP 092L-BI-4H5-BR    | 92                              | 19.5        | 4                  | G1 $\frac{1}{4}$ " | G1 $\frac{1}{4}$ " | 2500                 | 250                    |
| 14562036 | GEAR PUMP 113L-BI-4H5-4P    | 113                             | 20.8        | 4                  | G1 $\frac{1}{4}$ " | G1 $\frac{1}{4}$ " | 2000                 | 250                    |
| 14562795 | GEAR PUMP 133L-BI-4H-2S     | 133                             | 25.3        | 2 side             | G1 $\frac{1}{2}$ " | G1 $\frac{1}{2}$ " | 2500                 | 250                    |



| Part no. | Description              | A     | B  | H     | L   | W     |
|----------|--------------------------|-------|----|-------|-----|-------|
| 14562005 | GEAR PUMP 035L-BI-4H-BR  | 130.5 | 30 | 149.5 | 189 | 128   |
| 14562010 | GEAR PUMP 052L-BI-4H5-BR | 132.5 | 30 | 149.5 | 200 | 128   |
| 14562015 | GEAR PUMP 061L-BI-4H5-BR | 138.5 | 30 | 149.5 | 206 | 128   |
| 14562030 | GEAR PUMP 092L-BI-4H5-BR | 155   | 33 | 166.5 | 236 | 140.5 |
| 14562036 | GEAR PUMP 113L-BI-4H5-4P | 165   | 33 | 166.5 | 246 | 140.4 |
| 14562795 | GEAR PUMP 133L-BI-4H-2S  | 150   | -  | 184.5 | 225 | 150   |

## SEAL KITS & AIR BREATHER KIT

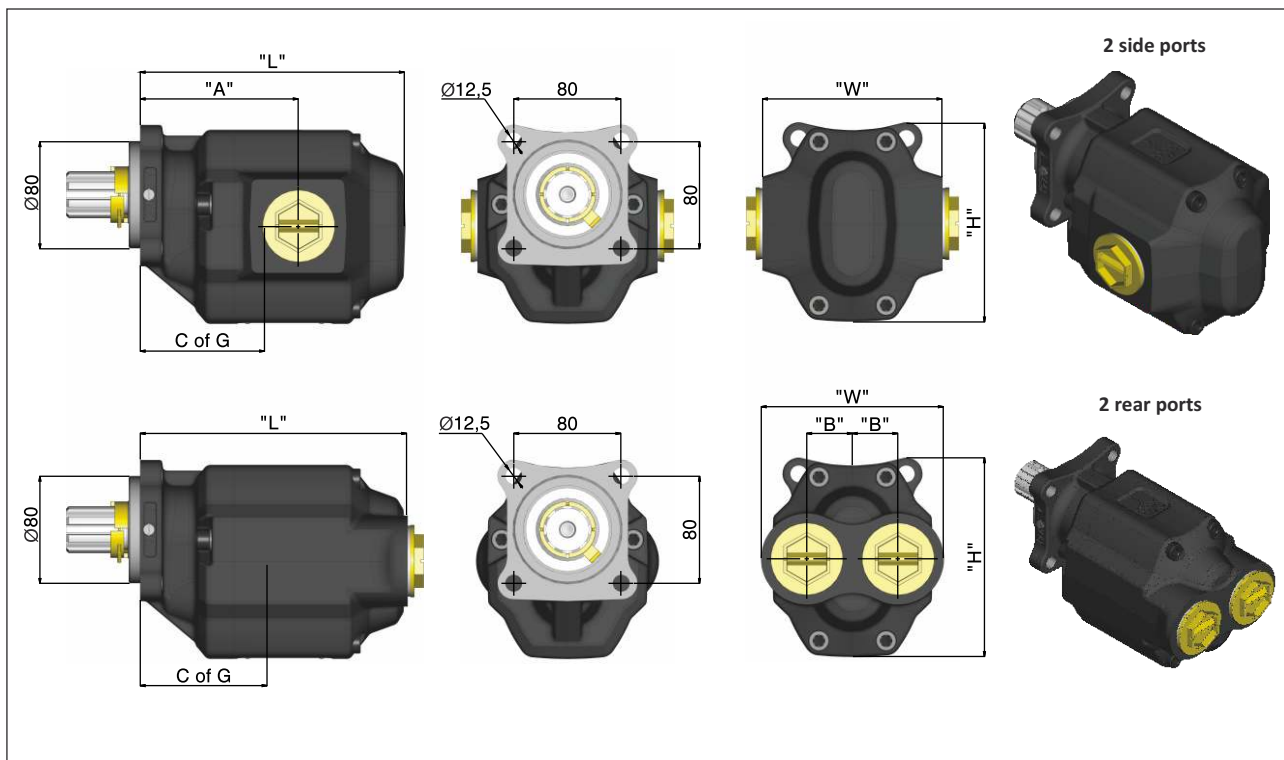
| Part no. | Description                              |
|----------|------------------------------------------|
| 02460001 | SEAL KIT BRITE BI GEAR PUMP 035L TO 061L |
| 02460005 | SEAL KIT BI GEAR PUMP 092L-113L 1773063  |
| 02460007 | SEAL KIT BRITE BI GEAR PUMP 082L TO 100L |
| 02470180 | AIR BREATHER KIT FOR SFP 30/35 PUMP      |





## ALPHA GEAR PUMP BI - 4H3 CVP - 2 PORTS

| Part no. | Description              | Displacement (cm <sup>3</sup> ) | Weight (kg) | Port configuration | Suction port | Pressure port | Rotation freq. (rpm) | Working pressure (bar) |
|----------|--------------------------|---------------------------------|-------------|--------------------|--------------|---------------|----------------------|------------------------|
| 14571340 | GEAR PUMP 085L-BI-4H3-2S | 85                              | 14          | 2 side             | G1¼"         | G1¼"          | 2500                 | 250                    |
| 14571341 | GEAR PUMP 085L-BI-4H3-2R | 85                              | 14.1        | 2 rear             | G1¼"         | G1¼"          | 2500                 | 250                    |
| 14571350 | GEAR PUMP 105L-BI-4H3-2S | 105                             | 15.1        | 2 side             | G1¼"         | G1¼"          | 2250                 | 250                    |
| 14571351 | GEAR PUMP 105L-BI-4H3-2R | 105                             | 15          | 2 rear             | G1¼"         | G1¼"          | 2250                 | 250                    |



| Part no. | Description              | A   | B  | H     | L   | W   |
|----------|--------------------------|-----|----|-------|-----|-----|
| 14571340 | GEAR PUMP 085L-BI-4H3-2S | 114 | -  | 148.5 | 184 | 134 |
| 14571341 | GEAR PUMP 085L-BI-4H3-2R | -   | 34 | 148.5 | 187 | 136 |
| 14571350 | GEAR PUMP 105L-BI-4H3-2S | 118 | -  | 148.5 | 196 | 134 |
| 14571351 | GEAR PUMP 105L-BI-4H3-2R | -   | 34 | 148.5 | 199 | 136 |

## SEAL KITS & AIR BREATHER KIT

| Part no. | Description                            |
|----------|----------------------------------------|
| 02460015 | SEAL KIT CVP BI GEAR PUMP 085L TO 105L |
| 02470180 | AIR BREATHER KIT FOR SFP 30/35 PUMP    |

### Pump - 2 rear ports



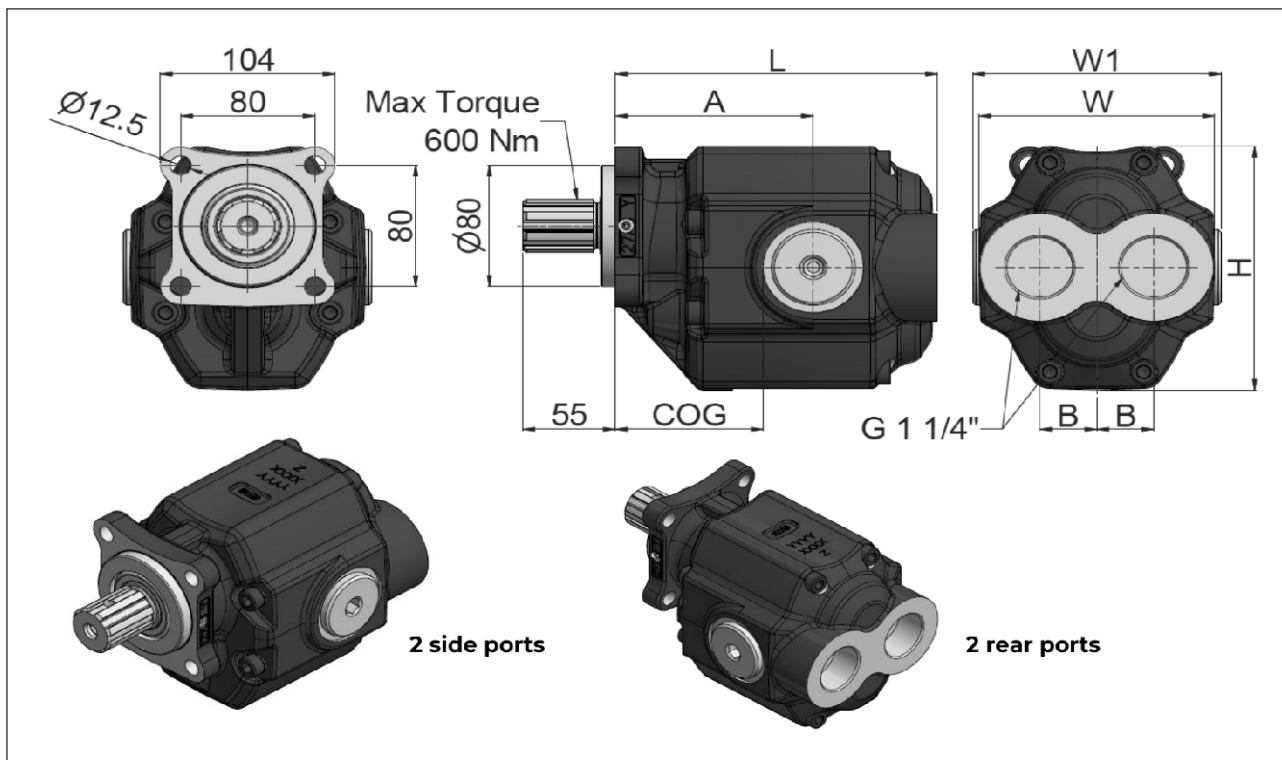
### Pump - 2 side ports





## ALPHA GEAR PUMP BI - 4H3 CVP - 4 PORTS

| Part no. | Description                          | Displacement<br>(cm <sup>3</sup> ) | Weight<br>(kg) | Port<br>configuration | Suction<br>port | Pressure<br>port | Rotation<br>freq. (rpm) | Working<br>pressure (bar) |
|----------|--------------------------------------|------------------------------------|----------------|-----------------------|-----------------|------------------|-------------------------|---------------------------|
| 14571360 | GEAR PUMP 115L-BI-4H3-4P-20BSP20-250 | 85                                 | 14             | 2 side / 2 rear       | G1¼"            | G1¼"             | 2000                    | 250                       |
| 14571365 | GEAR PUMP 125L-BI-4H3-4P-20BSP20-250 | 125                                | 17.98          | 2 side / 2 rear       | G1¼"            | G1¼"             | 2000                    | 250                       |



| Part no. | Description              | A   | B  | H     | L   | W     | WI  | COG  |
|----------|--------------------------|-----|----|-------|-----|-------|-----|------|
| 14571360 | GEAR PUMP 115L-BI-4H3-4P | 114 | 34 | 160.9 | 188 | 140.5 | 148 | 94.6 |
| 14571365 | GEAR PUMP 125L-BI-4H3-4P | 118 | 34 | 160.9 | 192 | 140.5 | 148 | 96.7 |

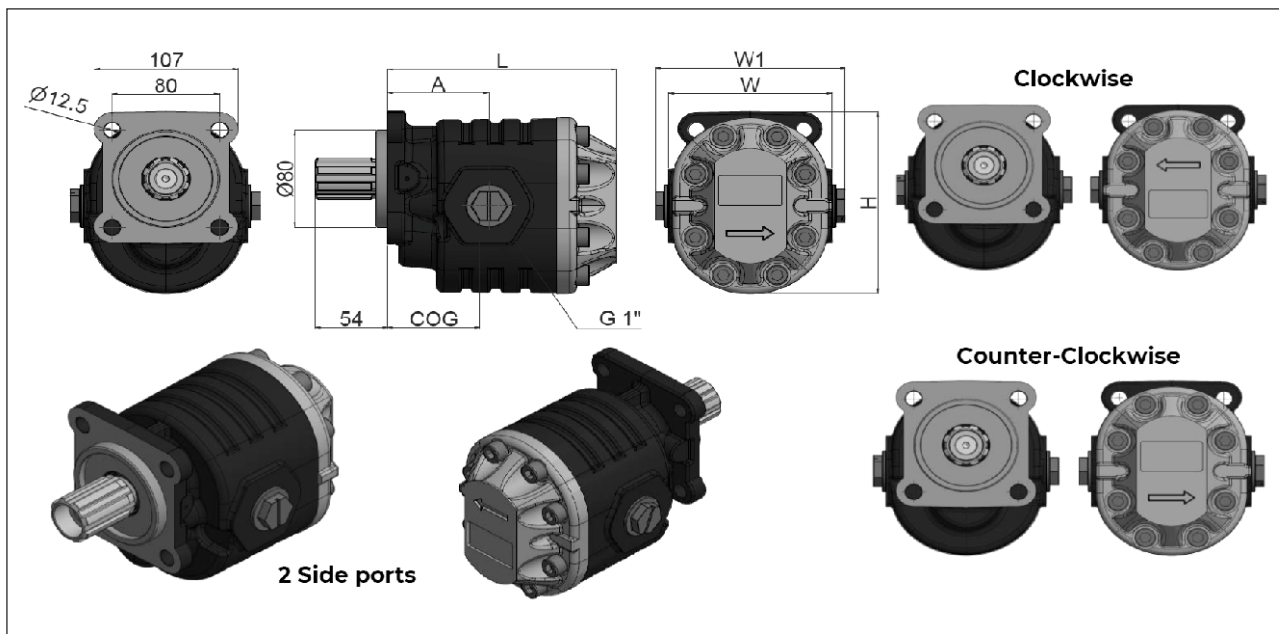
## SEAL KITS & AIR BREATHER KIT

| Part no. | Description                            |
|----------|----------------------------------------|
| 02460016 | SEAL KIT CVP BI GEAR PUMP 115L TO 125L |
| 02470180 | AIR BREATHER KIT FOR SFP 30/35 PUMP    |



## GEAR PUMP (GPHY) - 4H0 - 2 PORTS

| Part no. | Description                     | Displacement (cm <sup>3</sup> ) | Weight (kg) | Port configuration | Suction port | Pressure port | Rotation freq. (rpm) | Working pressure (bar) |
|----------|---------------------------------|---------------------------------|-------------|--------------------|--------------|---------------|----------------------|------------------------|
| 14562334 | GEAR PUMP 084L-R-4H0-2S-16BSP16 | 84                              | 12.4        | 2 side             | G1"          | G1"           | 2500                 | 230                    |
| 14562335 | GEAR PUMP 084L-L-4H0-2S-16BSP16 | 84                              | 12.4        | 2 side             | G1"          | G1"           | 2500                 | 230                    |



| Part no. | Description             | A    | H   | L     | W   | W1  | COG  |
|----------|-------------------------|------|-----|-------|-----|-----|------|
| 14562334 | GEAR PUMP 084L-R-4H0-2S | 75.5 | 154 | 170.5 | 122 | 142 | 67.3 |
| 14562335 | GEAR PUMP 084L-L-4H0-2S | 75.5 | 154 | 170.5 | 122 | 142 | 67.3 |

## SEAL KITS

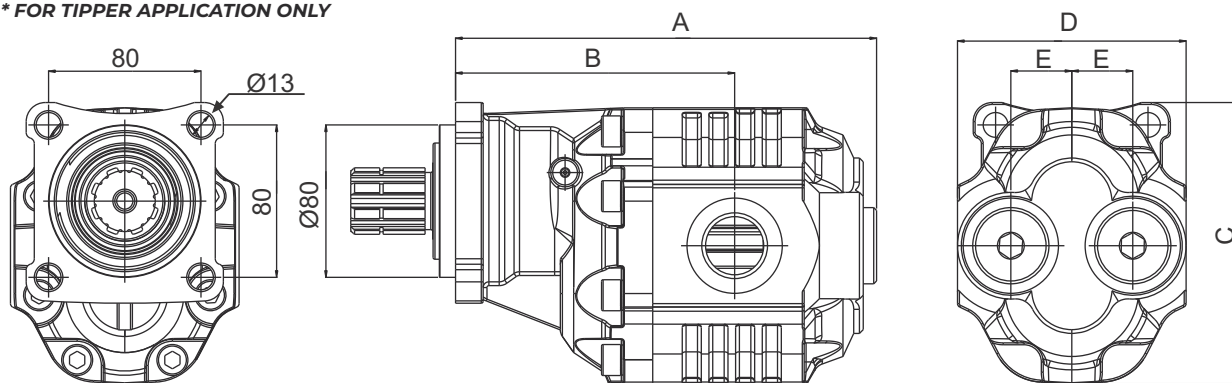
| Part no. | Description                            |
|----------|----------------------------------------|
| 14600110 | SEAL KIT FOR PUMPS 14562334 & 14562335 |



## GEAR PUMPS ISO 4H: BI-ROTATIONAL

| Part no. | Description                      | Displacement (cm <sup>3</sup> ) | Weight (kg) | Port configuration | Suction port | Pressure port | Rotation freq. (rpm) | Working pressure (bar) |
|----------|----------------------------------|---------------------------------|-------------|--------------------|--------------|---------------|----------------------|------------------------|
| 14562325 | GEAR PUMP 082L-BI-4H5-4P-16BSP16 | 82                              | 15          | 4                  | G1"          | G1"           | 2500                 | 225                    |

**\* FOR TIPPER APPLICATION ONLY**



| Part no. | Description              | A   | B     | C   | D   | E  |
|----------|--------------------------|-----|-------|-----|-----|----|
| 14562325 | GEAR PUMP 082L-BI-4H5-4P | 221 | 146.5 | 148 | 120 | 32 |

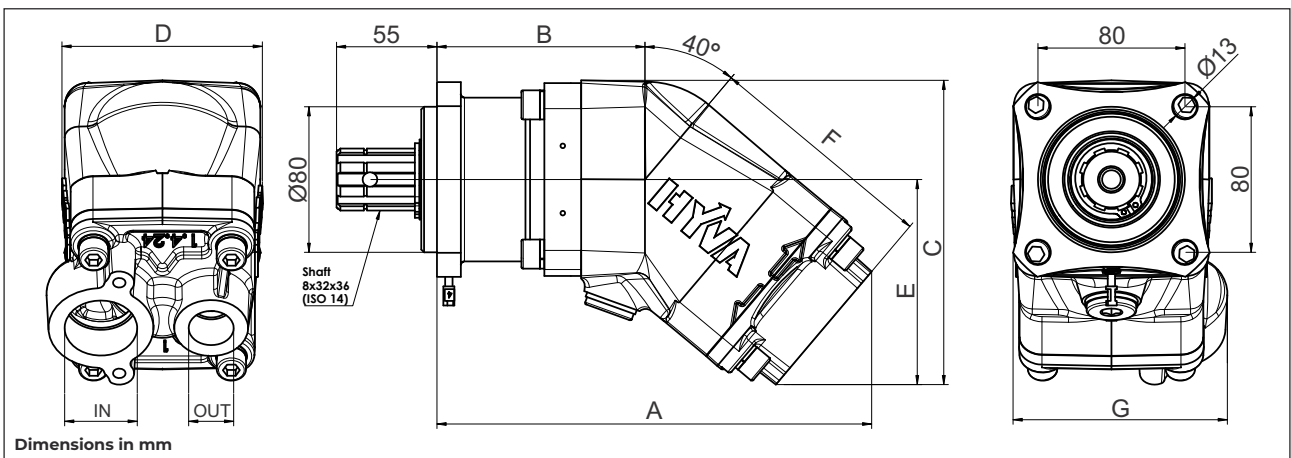
## SEAL KITS

| Part no. | Description                 |
|----------|-----------------------------|
| 14600100 | SEAL KIT FOR PUMP 14562 325 |



## PISTON PUMPS - 4H SINGLE FLOW - BI-AXIAL: LEFT OR RIGHT ROTATIONAL

| Part no. | Description                    | Displacement (cm <sup>3</sup> /rev) | Working pressure (bar) | Rotation frequency (rpm) | Suction port | Pressure port | Weight (kg) | Rotation |
|----------|--------------------------------|-------------------------------------|------------------------|--------------------------|--------------|---------------|-------------|----------|
| 14569020 | PISTON PUMP 034L-RH-4H-BA-¾-1  | 33.80                               | 350                    | 3000                     | G1           | G¾            | 8.7         | Right    |
| 14569025 | PISTON PUMP 034L-LH-4H-BA-¾-1  | 33.80                               | 350                    | 3000                     | G1           | G¾            | 8.7         | Left     |
| 14569016 | PISTON PUMP 040L-RH-4H-BA-¾-1¼ | 41.25                               | 350                    | 2500                     | G1¼          | G¾            | 12.3        | Right    |
| 14569017 | PISTON PUMP 040L-LH-4H-BA-¾-1¼ | 41.25                               | 350                    | 2500                     | G1¼          | G¾            | 12.3        | Left     |
| 14569000 | PISTON PUMP 047L-RH-4H-BA-¾-1¼ | 47.13                               | 350                    | 2500                     | G1¼          | G¾            | 12.3        | Right    |
| 14569001 | PISTON PUMP 047L-LH-4H-BA-¾-1¼ | 47.13                               | 350                    | 2500                     | G1¼          | G¾            | 12.3        | Left     |
| 14569004 | PISTON PUMP 064L-RH-4H-BA-¾-1¼ | 63.56                               | 350                    | 2500                     | G1¼          | G¾            | 12.3        | Right    |
| 14569005 | PISTON PUMP 064L-LH-4H-BA-¾-1¼ | 63.56                               | 350                    | 2500                     | G1¼          | G¾            | 12.3        | Left     |
| 14569006 | PISTON PUMP 080L-RH-4H-BA-¾-1¼ | 77.25                               | 250                    | 2100                     | G1¼          | G¾            | 13.2        | Right    |
| 14569007 | PISTON PUMP 080L-LH-4H-BA-¾-1¼ | 77.25                               | 250                    | 2100                     | G1¼          | G¾            | 13.2        | Left     |



| Part no. | Description         | A   | B    | C   | D   | E   | F     | G   |
|----------|---------------------|-----|------|-----|-----|-----|-------|-----|
| 14569020 | PISTON PUMP 034L-RH | 209 | 96.5 | 153 | 106 | 100 | 127.5 | 97  |
| 14569025 | PISTON PUMP 034L-LH | 209 | 96.5 | 153 | 106 | 100 | 127.5 | 97  |
| 14569016 | PISTON PUMP 040L-RH | 237 | 113  | 167 | 109 | 113 | 127   | 117 |
| 14569017 | PISTON PUMP 040L-LH | 237 | 113  | 167 | 109 | 113 | 127   | 117 |
| 14569000 | PISTON PUMP 047L-RH | 237 | 113  | 167 | 109 | 113 | 127   | 117 |
| 14569001 | PISTON PUMP 047L-LH | 237 | 113  | 167 | 109 | 113 | 127   | 117 |
| 14569004 | PISTON PUMP 064L-RH | 237 | 113  | 167 | 109 | 113 | 127   | 117 |
| 14569005 | PISTON PUMP 064L-LH | 237 | 113  | 167 | 109 | 113 | 127   | 117 |
| 14569006 | PISTON PUMP 080L-RH | 237 | 113  | 167 | 109 | 113 | 127   | 117 |
| 14569007 | PISTON PUMP 080L-LH | 237 | 113  | 167 | 109 | 113 | 127   | 117 |

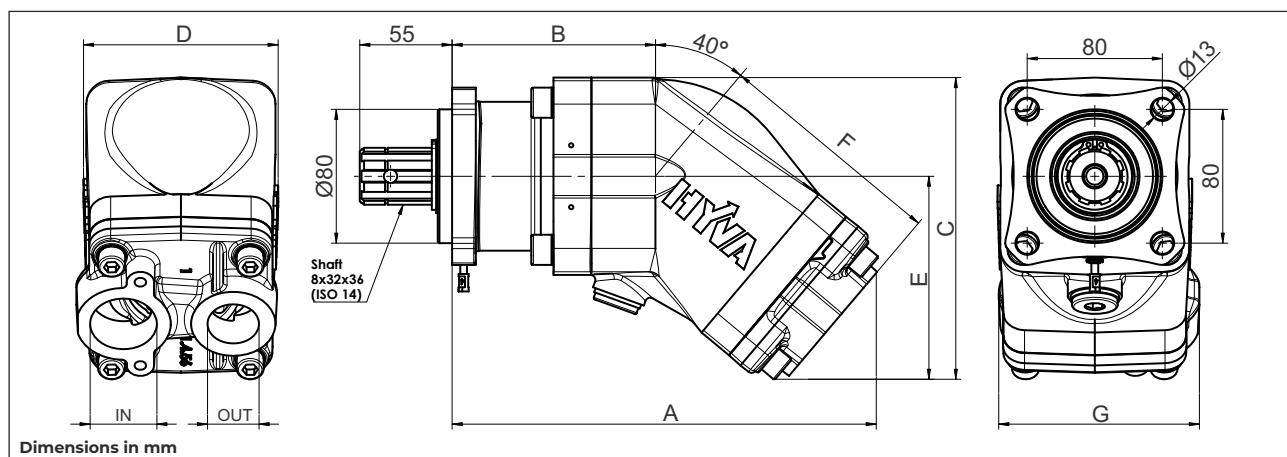


## SEAL KITS

| Part no.   | Description                                   |
|------------|-----------------------------------------------|
| 024 10 020 | SEAL KIT FOR PISTON PUMP 034L                 |
| 024 10 021 | SEAL KIT FOR PISTON PUMPS 040L-047L-064L-080L |

## PISTON PUMPS - 4H SINGLE FLOW - BI-AXIAL: LEFT OR RIGHT ROTATIONAL

| Part no. | Description                 | Displacement (cm <sup>3</sup> /rev) | Working pressure (bar) | Rotation frequency (rpm) | Suction port | Pressure port | Weight (kg) | Rotation |
|----------|-----------------------------|-------------------------------------|------------------------|--------------------------|--------------|---------------|-------------|----------|
| 14569300 | PISTON PUMP 084L-RH-4H-BAHP | 84.20                               | 350                    | 2000                     | G1¼          | G1            | 15          | Right    |
| 14569305 | PISTON PUMP 084L-LH-4H-BAHP | 84.20                               | 350                    | 2000                     | G1¼          | G1            | 15          | Left     |
| 14569310 | PISTON PUMP 096L-RH-4H-BAHP | 95.50                               | 350                    | 2000                     | G1¼          | G1            | 15          | Right    |
| 14569315 | PISTON PUMP 096L-LH-4H-BAHP | 95.50                               | 350                    | 2000                     | G1¼          | G1            | 15          | Left     |
| 14569320 | PISTON PUMP 108L-RH-4H-BAHP | 107                                 | 350                    | 2000                     | G1¼          | G1            | 15          | Right    |
| 14569325 | PISTON PUMP 108L-LH-4H-BAHP | 107                                 | 350                    | 2000                     | G1¼          | G1            | 15          | Left     |
| 14569223 | PISTON PUMP 130L-RH-4H-BA   | 131.62                              | 250                    | 2000                     | G1½          | G1            | 18.2        | Right    |
| 14569225 | PISTON PUMP 130L-LH-4H-BA   | 131.62                              | 250                    | 2000                     | G1½          | G1            | 18.2        | Left     |



| Part no. | Description         | A   | B   | C   | D   | E   | F   | G   |
|----------|---------------------|-----|-----|-----|-----|-----|-----|-----|
| 14569300 | PISTON PUMP 084L-RH | 252 | 121 | 180 | 115 | 121 | 137 | 120 |
| 14569305 | PISTON PUMP 084L-LH | 252 | 121 | 180 | 115 | 121 | 137 | 120 |
| 14569310 | PISTON PUMP 096L-LH | 252 | 121 | 180 | 115 | 121 | 137 | 120 |
| 14569315 | PISTON PUMP 096L-LH | 252 | 121 | 180 | 115 | 121 | 137 | 120 |
| 14569320 | PISTON PUMP 108L-LH | 252 | 121 | 180 | 115 | 121 | 137 | 120 |
| 14569325 | PISTON PUMP 108L-LH | 252 | 121 | 180 | 115 | 121 | 137 | 120 |
| 14569223 | PISTON PUMP 130L-LH | 271 | 123 | 198 | 125 | 135 | 157 | 130 |
| 14569225 | PISTON PUMP 130L-LH | 271 | 123 | 198 | 125 | 135 | 157 | 130 |

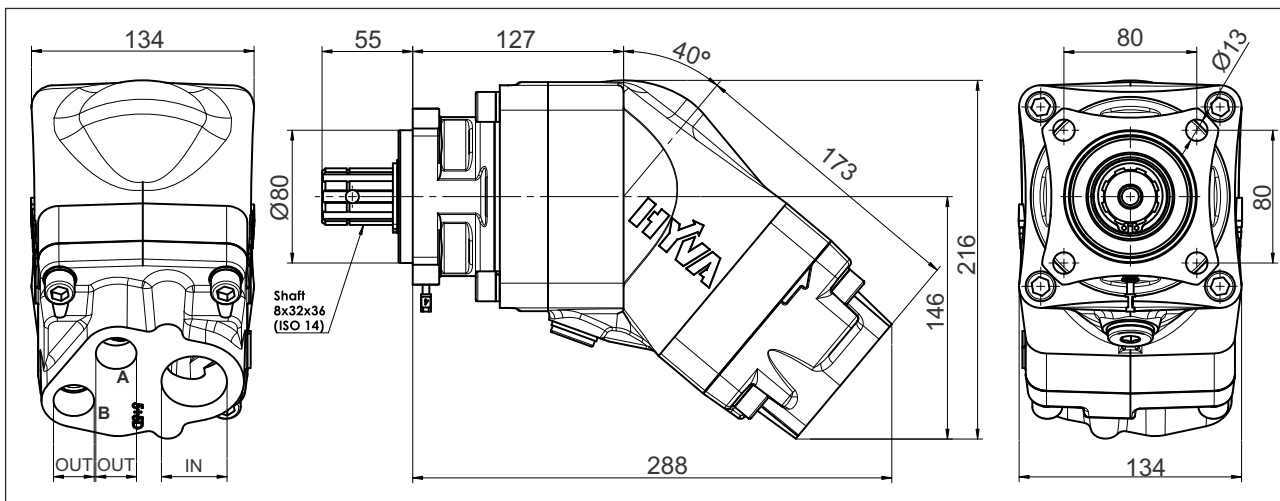


## SEAL KITS

| Part no. | Description                              |
|----------|------------------------------------------|
| 02410025 | SEAL KIT FOR PISTON PUMPS 084L-096L-108L |
| 02410022 | SEAL KIT FOR PISTON PUMP 084L-108L-130L  |

## PISTON PUMPS - 4H DOUBLE FLOW - BI-AXIAL: LEFT OR RIGHT ROTATIONAL

| Part no. | Description                         | Displacement (cm <sup>3</sup> /rev) |        | Working pressure (bar) | Rotation Frequency (rpm) | Max. continuous power (kW) | Suction port | Pressure port | Weight (kg) | Rotation |
|----------|-------------------------------------|-------------------------------------|--------|------------------------|--------------------------|----------------------------|--------------|---------------|-------------|----------|
|          |                                     | Port A                              | Port B |                        |                          |                            |              |               |             |          |
| 14569230 | PISTON PUMP 053L/053L-RH-4H-BH-¾-1¼ | 53.0                                | 55.0   | 350                    | 2100                     | 111                        | G1¼          | G¾            | 21.5        | Right    |
| 14569235 | PISTON PUMP 053L/053L-LH-4H-BH-¾-1¼ | 53.0                                | 55.0   | 350                    | 2100                     | 111                        | G1¼          | G¾            | 21.5        | Left     |
| 14569240 | PISTON PUMP 070L/035L-RH-4H-BH-¾-1¼ | 36.5                                | 68.3   | 350                    | 2100                     | 108                        | G1¼          | G¾            | 22.0        | Right    |
| 14569245 | PISTON PUMP 070L/035L-LH-4H-BH-¾-1¼ | 36.5                                | 68.3   | 350                    | 2100                     | 108                        | G1¼          | G¾            | 22.0        | Left     |



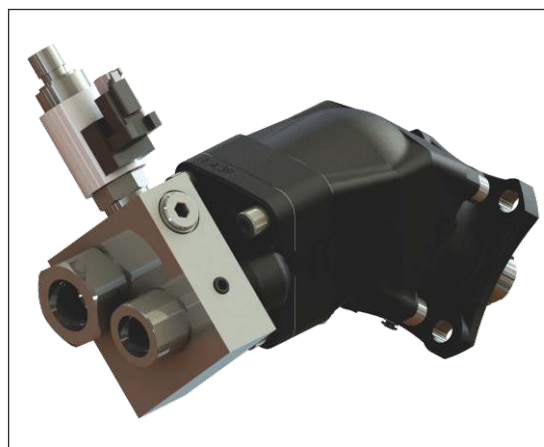
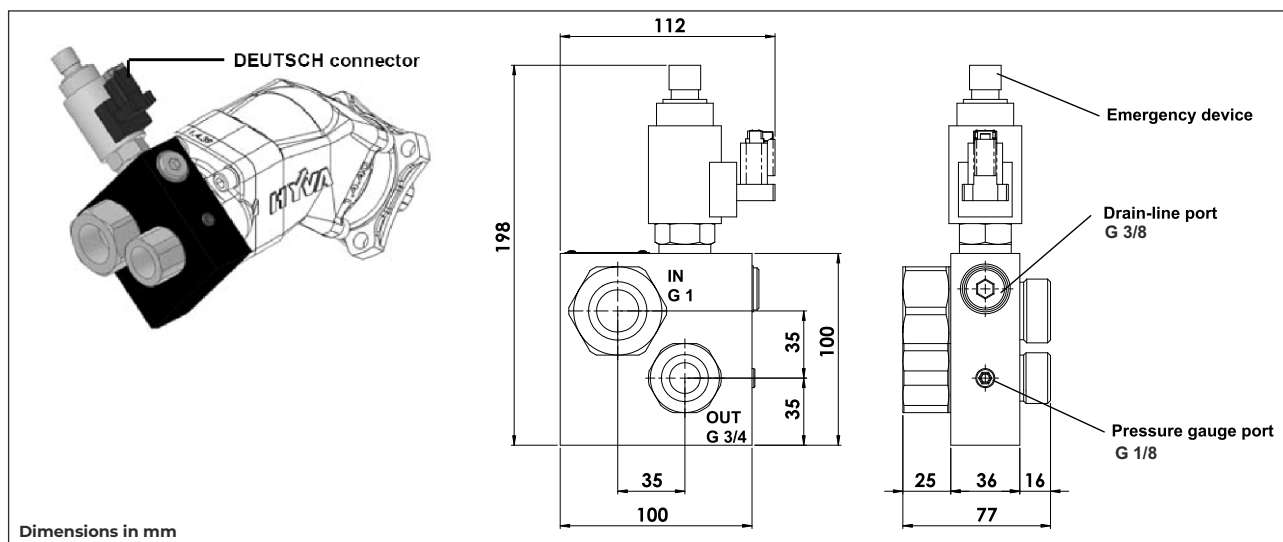
## SEAL KITS

| Part no. | Description                                |
|----------|--------------------------------------------|
| 02410030 | SEAL KIT FOR PISTON PUMP 53L/53L - 70L/35L |



## VALVES BY-PASS 12V & 24V

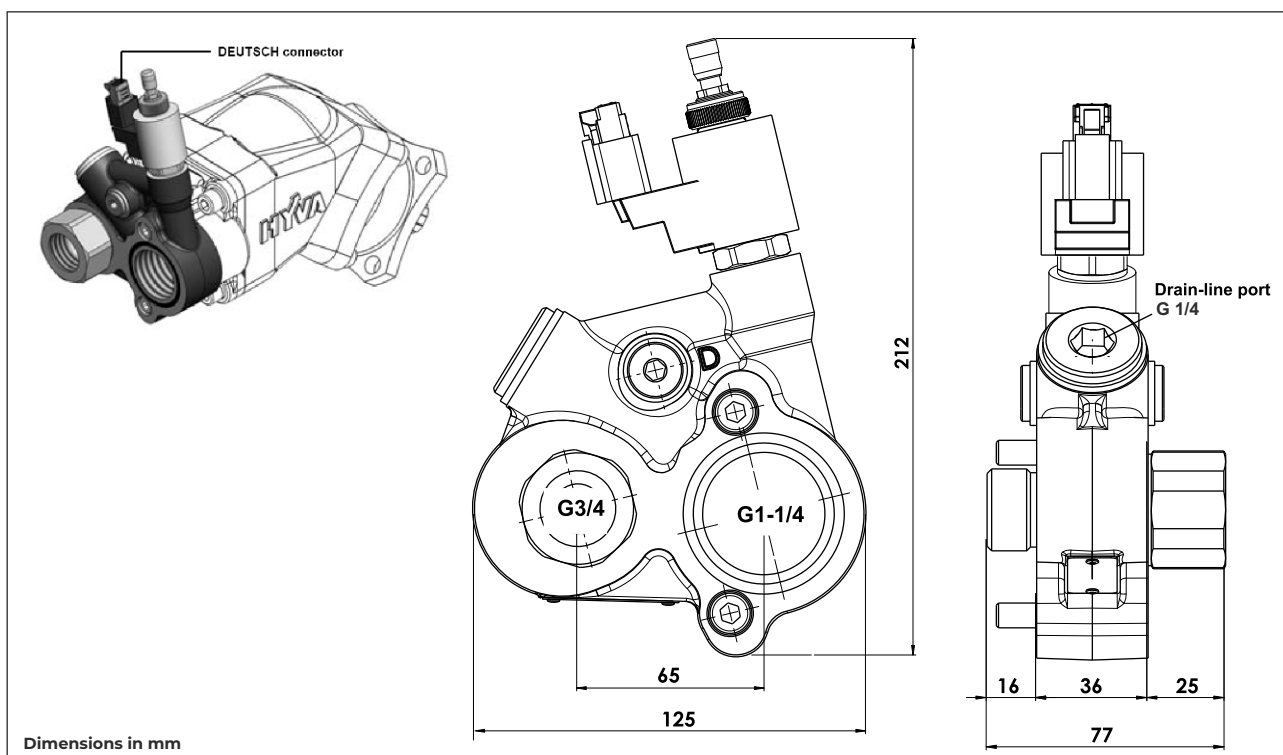
| Part no. | Description                   | Coil volt (V) | Working pressure (bar) | Enclosure | Coil power (W) | Suction port | Pressure port | For pumps |          |
|----------|-------------------------------|---------------|------------------------|-----------|----------------|--------------|---------------|-----------|----------|
| 14740055 | VALVE BY-PASS 12-25-34 BA 12V | 12            | 400                    | IP 66     | 22             | G1           | G¾            | 14569020  | 14569025 |
| 02412005 | VALVE BY-PASS 12-25-34 BA 24V | 24            | 400                    | IP 66     | 22             | G1           | G¾            | 14569020  | 14569025 |





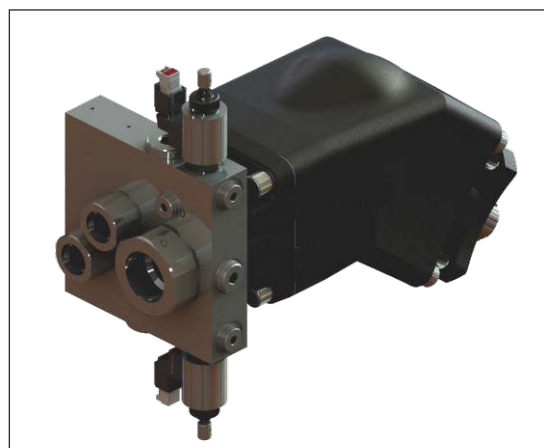
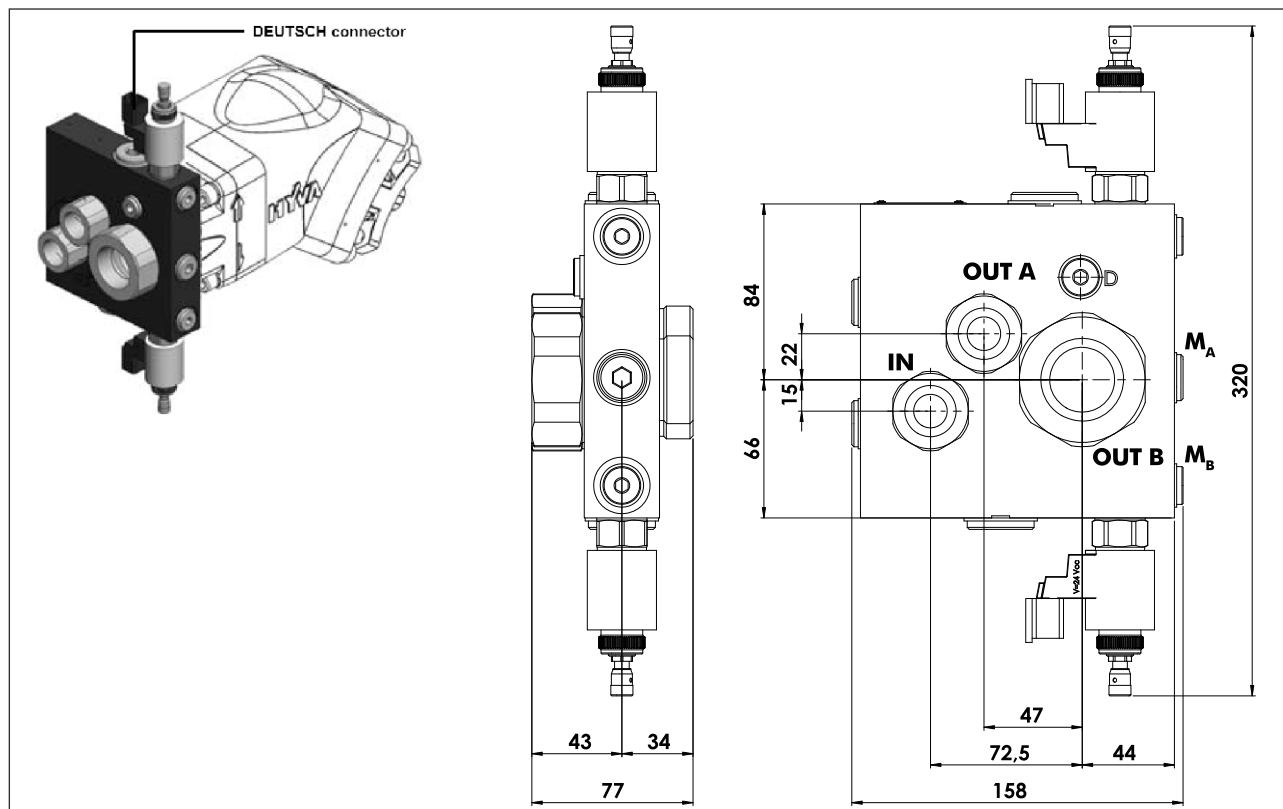
## VALVES BY-PASS 12V & 24V

| Part no. | Description                         | Coil volt (V) | Working pressure (bar) | Enclosure | Coil power (W) | Suction port | Pressure port | For pumps |          |
|----------|-------------------------------------|---------------|------------------------|-----------|----------------|--------------|---------------|-----------|----------|
| 14740056 | VALVE BY-PASS 40-47-55-65-80 BA 12V | 12            | 400                    | IP 66     | 22             | G1¼          | G¾            | 14569016  | 14569017 |
| 14740070 | VALVE BY-PASS 40-47-55-65-80 BA 24V | 24            | 400                    | IP 66     | 22             | G1¼          | G¾            | 14569000  | 14569001 |
|          |                                     |               |                        |           |                |              |               | 14569002  | 14569003 |
|          |                                     |               |                        |           |                |              |               | 14569004  | 14569005 |
|          |                                     |               |                        |           |                |              |               | 14569006  | 14569007 |
| 14740057 | VALVE BY-PASS 75-84-96-108 BA 12V   | 12            | 400                    | IP 66     | 22             | G1¼          | G1            | 14569300  | 14569305 |
| 14740075 | VALVE BY-PASS 75-84-96-108 BA 24V   | 24            | 400                    | IP 66     | 22             | G1¼          | G1            | 14569310  | 14569315 |
|          |                                     |               |                        |           |                |              |               | 14569320  | 14569325 |



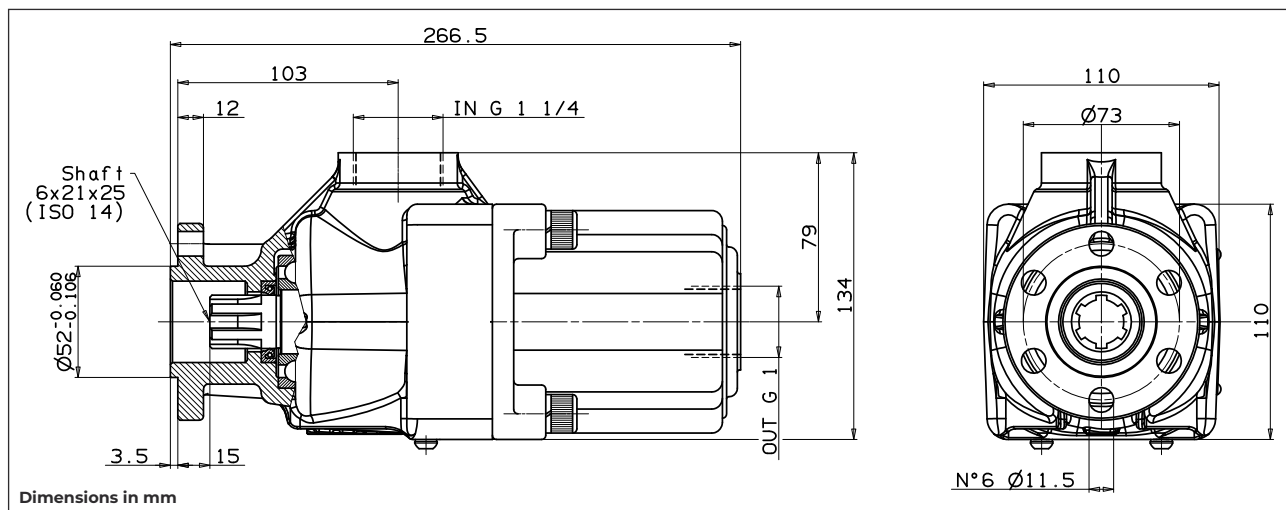
## VALVES BY-PASS 24V

| Part no. | Description                   | Coil volt (V) | Working pressure (bar) | Enclosure | Coil power (W) | Suction port | Pressure port A / port B | M <sub>A</sub> / M <sub>B</sub> | D               | For pumps |          |
|----------|-------------------------------|---------------|------------------------|-----------|----------------|--------------|--------------------------|---------------------------------|-----------------|-----------|----------|
| 14740076 | VALVE BY-PASS 12-25-34 BA 12V | 24            | 400                    | IP 66     | 22             | G1           | G $\frac{3}{4}$          | G $\frac{3}{4}$                 | G $\frac{3}{4}$ | 14569230  | 14569235 |
|          |                               |               |                        |           |                |              |                          |                                 |                 | 14569240  | 14569245 |



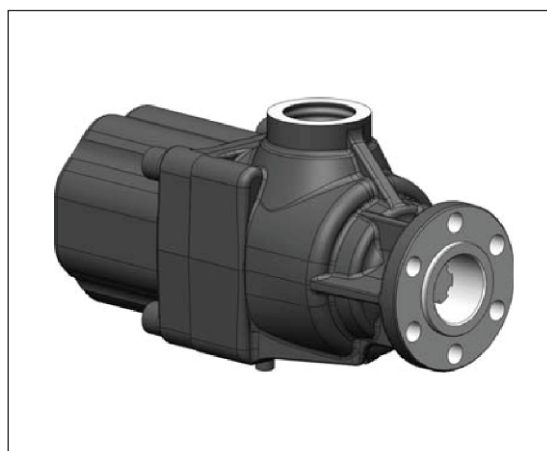
## PISTON PUMPS STRAIGHT AXLE ISO 3H: BI-ROTATIONAL

| Part no. | Description                  | Working pressure (bar) | Displacement (cm <sup>3</sup> /rev) | Rotation frequency (rpm) | Suction port | Pressure port | Weight (kg) |
|----------|------------------------------|------------------------|-------------------------------------|--------------------------|--------------|---------------|-------------|
| 14569100 | PISTON PUMP 021L-BI-3H-AXIAL | 350                    | 20.25                               | 1800                     | G1½          | G1            | 13.8        |
| 14569145 | PISTON PUMP 028L-BI-3H-AXIAL | 350                    | 27.00                               | 1800                     | G1½          | G1            | 13.8        |
| 14565535 | PISTON PUMP 041L-BI-3H-AXIAL | 350                    | 40.50                               | 1800                     | G1½          | G1            | 13.8        |



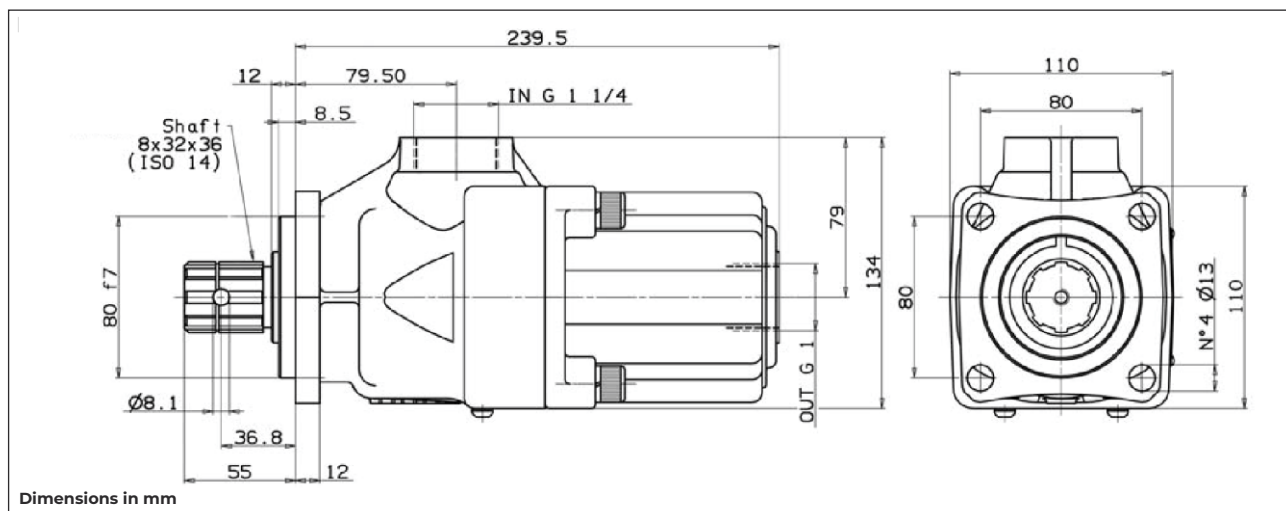
## SEAL KITS

| Part no. | Description                              |
|----------|------------------------------------------|
| 02410003 | SEAL KIT FOR PISTON PUMP 21-60L STRAIGHT |



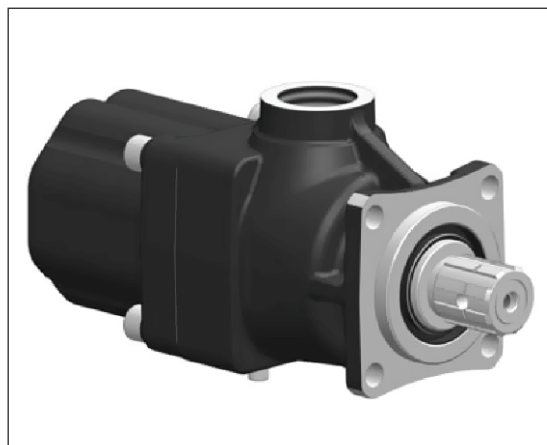
## PISTON PUMPS STRAIGHT AXLE ISO 4H: BI-ROTATIONAL

| Part no. | Description                     | Working pressure (bar) | Displacement (cm <sup>3</sup> /rev) | Rotation frequency (rpm) | Suction port | Pressure port | Weight (kg) |
|----------|---------------------------------|------------------------|-------------------------------------|--------------------------|--------------|---------------|-------------|
| 14569140 | PISTON PUMP 021L-BI-4H-SA-1-1/4 | 350                    | 20.25                               | 1800                     | G1 1/4       | G1            | 14.5        |
| 14569150 | PISTON PUMP 028L-BI-4H-SA-1-1/4 | 350                    | 27.00                               | 1800                     | G1 1/4       | G1            | 14.5        |



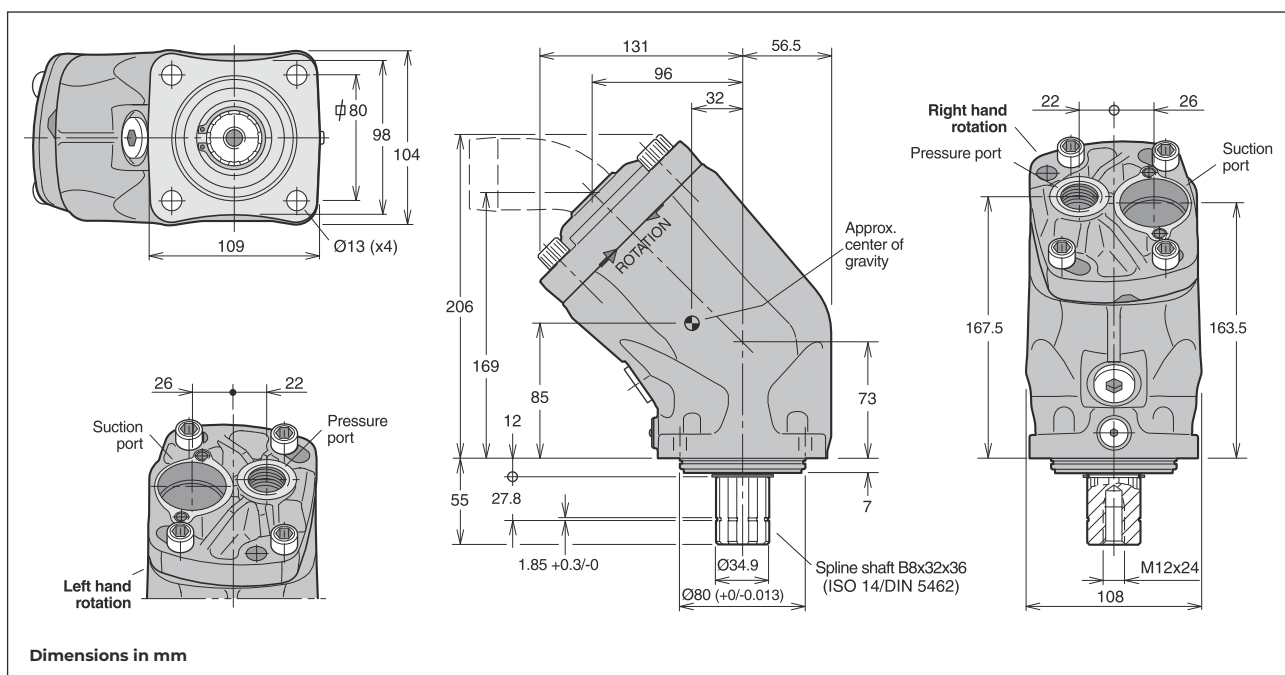
## SEAL KITS

| Part no. | Description                                 |
|----------|---------------------------------------------|
| 02410002 | SEAL KIT FOR PISTON PUMP 21-60L STRAIGHT 4H |



## PISTON PUMPS F1/T1 - 4H - SINGLE FLOW: LEFT OR RIGHT ROTATIONAL

| Part no. | Description              | Displacement (cm <sup>3</sup> /rev) | Working pressure (bar) | Rotation frequency (rpm) | Pressure port   | Weight (kg) | Rotation |
|----------|--------------------------|-------------------------------------|------------------------|--------------------------|-----------------|-------------|----------|
| 14535155 | PISTON PUMP F1-025L-L-4H | 25.60                               | 350                    | 2200                     | G $\frac{3}{4}$ | 8.5         | Left     |
| 14535160 | PISTON PUMP F1-025L-R-4H | 25.60                               | 350                    | 2200                     | G $\frac{3}{4}$ | 8.5         | Right    |
| 14535165 | PISTON PUMP F1-041L-L-4H | 40.90                               | 350                    | 2100                     | G $\frac{3}{4}$ | 8.5         | Left     |
| 14535170 | PISTON PUMP F1-041L-R-4H | 40.90                               | 350                    | 2100                     | G $\frac{3}{4}$ | 8.5         | Right    |
| 14535175 | PISTON PUMP F1-051L-L-4H | 51.10                               | 350                    | 1900                     | G $\frac{3}{4}$ | 8.5         | Left     |
| 14535180 | PISTON PUMP F1-051L-R-4H | 51.10                               | 350                    | 1900                     | G $\frac{3}{4}$ | 8.5         | Right    |
| 14535185 | PISTON PUMP F1-061L-L-4H | 59.50                               | 350                    | 1900                     | G $\frac{3}{4}$ | 8.5         | Left     |
| 14535190 | PISTON PUMP F1-061L-R-4H | 59.50                               | 350                    | 1900                     | G $\frac{3}{4}$ | 8.5         | Right    |
| 14535120 | PISTON PUMP T1-081L-L-4H | 81.50                               | 250                    | NA                       | G $\frac{3}{4}$ | 12.5        | Left     |
| 14535119 | PISTON PUMP T1-081L-R-4H | 81.50                               | 250                    | NA                       | G $\frac{3}{4}$ | 12.5        | Right    |



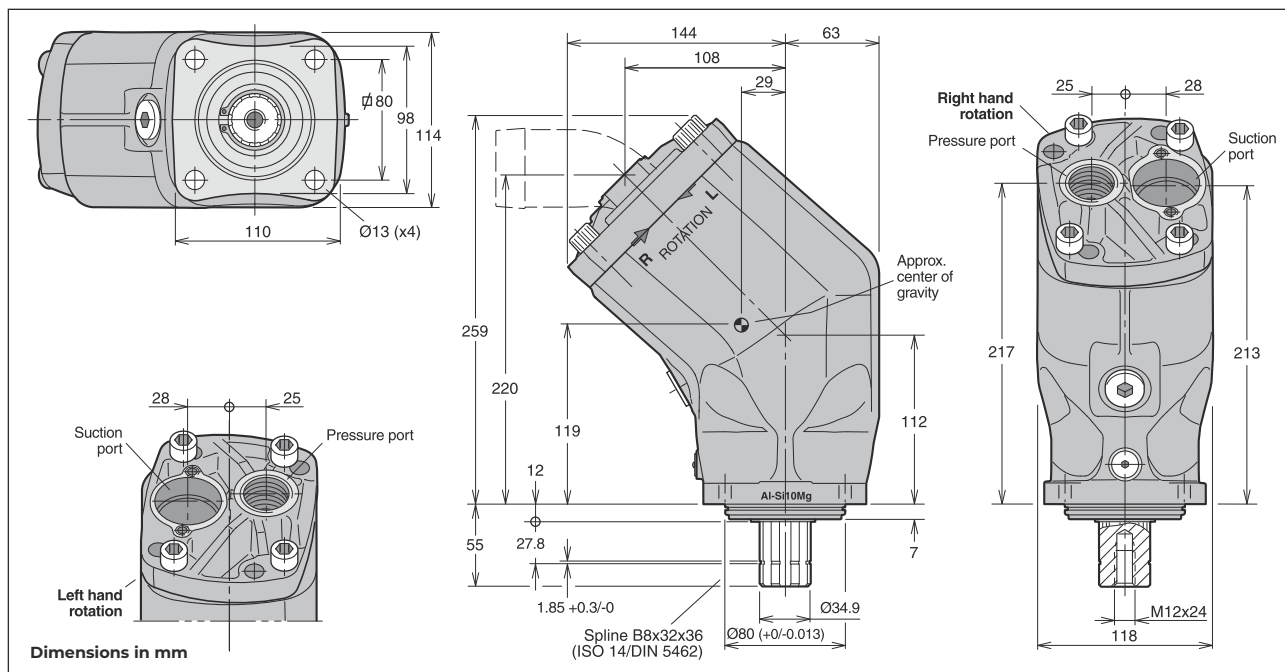
## SEAL KIT

| Part no. | Description                                |
|----------|--------------------------------------------|
| 14534343 | SEAL KIT FOR PISTON PUMPS F1/T1 - 25L-121L |



## PISTON PUMPS F1/T1 - 4H - SINGLE FLOW: LEFT OR RIGHT ROTATIONAL

| Part no. | Description              | Displacement (cm <sup>3</sup> /rev) | Working pressure (bar) | Rotation frequency (rpm) | Pressure port | Weight (kg) | Rotation |
|----------|--------------------------|-------------------------------------|------------------------|--------------------------|---------------|-------------|----------|
| 14535195 | PISTON PUMP F1-081L-L-4H | 81.60                               | 350                    | 1750                     | G1            | 12.5        | Left     |
| 14535200 | PISTON PUMP F1-081L-R-4H | 81.60                               | 350                    | 1750                     | G1            | 12.5        | Right    |
| 14535205 | PISTON PUMP F1-101L-L-4H | 102.90                              | 350                    | 1550                     | G1            | 12.5        | Left     |
| 14535210 | PISTON PUMP F1-101L-R-4H | 102.90                              | 350                    | 1550                     | G1            | 12.5        | Right    |
| 14535131 | PISTON PUMP T1-121L-L-4H | 118.50                              | 250                    | NA                       | G1            | 12.5        | Left     |
| 14535130 | PISTON PUMP T1-121L-R-4H | 118.50                              | 250                    | NA                       | G1            | 12.5        | Right    |



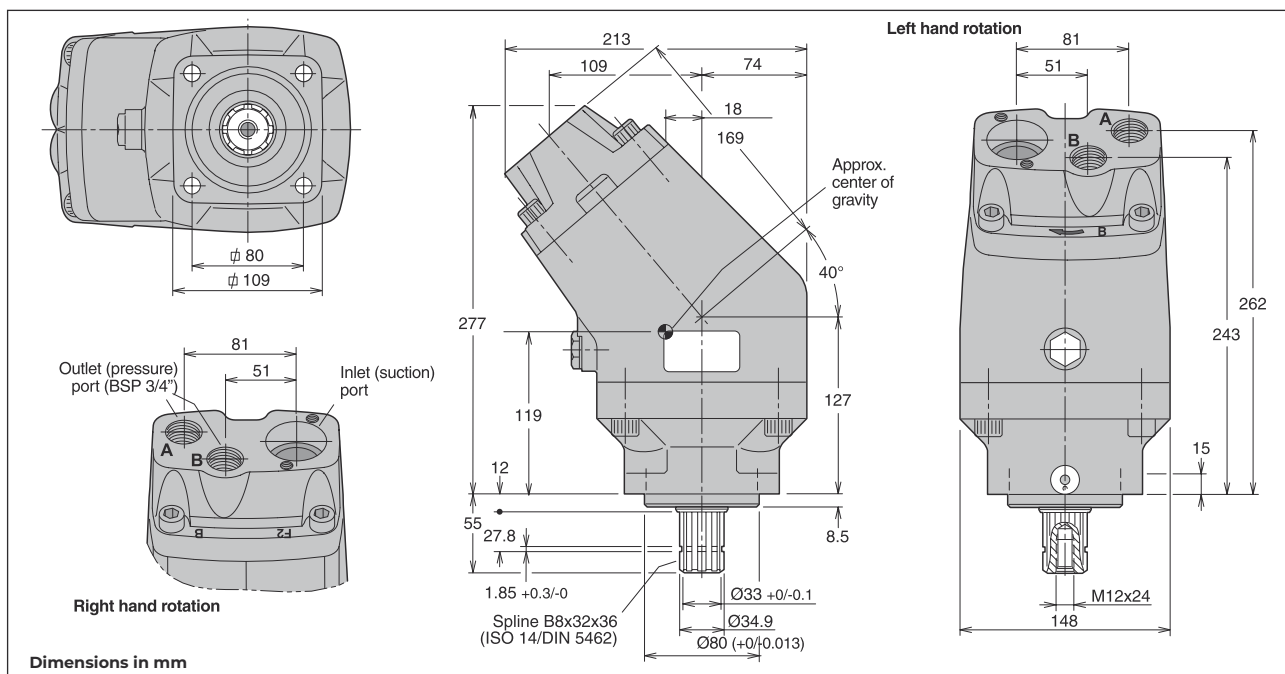
## SEAL KIT

| Part no. | Description                                |
|----------|--------------------------------------------|
| 14534343 | SEAL KIT FOR PISTON PUMPS F1/T1 - 25L-121L |



## PISTON PUMPS F2 - 4H - DOUBLE FLOW: LEFT OR RIGHT ROTATIONAL

| Part no. | Description                    | Displacement (cm <sup>3</sup> /rev) |        | Working pressure (bar) | Rotation frequency (rpm) | Max. continuous power (kW) | Pressure port                 | Weight (kg) | Rotation |
|----------|--------------------------------|-------------------------------------|--------|------------------------|--------------------------|----------------------------|-------------------------------|-------------|----------|
|          |                                | Port A                              | Port B |                        |                          |                            |                               |             |          |
| 14535240 | PISTON PUMP F2-042L/042L-RH-4H | 43.0                                | 41.0   | 350                    | 2100                     | 100                        | G <sup>3</sup> / <sub>4</sub> | 19.0        | Right    |
| 14535241 | PISTON PUMP F2-042L/042L-LH-4H | 43.0                                | 41.0   | 350                    | 2100                     | 100                        | G <sup>3</sup> / <sub>4</sub> | 19.0        | Left     |
| 14535250 | PISTON PUMP F2-053L/053L-RH-4H | 54.0                                | 52.0   | 350                    | 2100                     | 127                        | G <sup>3</sup> / <sub>4</sub> | 19.0        | Right    |
| 14535251 | PISTON PUMP F2-053L/053L-LH-4H | 54.0                                | 52.0   | 350                    | 2100                     | 127                        | G <sup>3</sup> / <sub>4</sub> | 19.0        | Left     |
| 14535244 | PISTON PUMP F2-055L/028L-RH-4H | 55.0                                | 28.0   | 350                    | 2100                     | 100                        | G <sup>3</sup> / <sub>4</sub> | 19.0        | Right    |
| 14535245 | PISTON PUMP F2-055L/028L-LH-4H | 55.0                                | 28.0   | 350                    | 2100                     | 100                        | G <sup>3</sup> / <sub>4</sub> | 19.0        | Left     |
| 14535243 | PISTON PUMP F2-070L/070L-RH-4H | 68.0                                | 68.0   | 300                    | 2100                     | 131                        | G <sup>3</sup> / <sub>4</sub> | 19.0        | Right    |
| 14535242 | PISTON PUMP F2-070L/070L-LH-4H | 68.0                                | 68.0   | 300                    | 2100                     | 131                        | G <sup>3</sup> / <sub>4</sub> | 19.0        | Left     |
| 14535270 | PISTON PUMP F2-070L/035L-RH-4H | 69.0                                | 36.0   | 350                    | 2100                     | 110                        | G <sup>3</sup> / <sub>4</sub> | 19.0        | Right    |
| 14535271 | PISTON PUMP F2-070L/035L-LH-4H | 69.0                                | 36.0   | 350                    | 2100                     | 110                        | G <sup>3</sup> / <sub>4</sub> | 19.0        | Left     |



## SEAL KIT

| Part no. | Description                  |
|----------|------------------------------|
| 02410027 | SEAL KIT FOR PISTON PUMPS F2 |

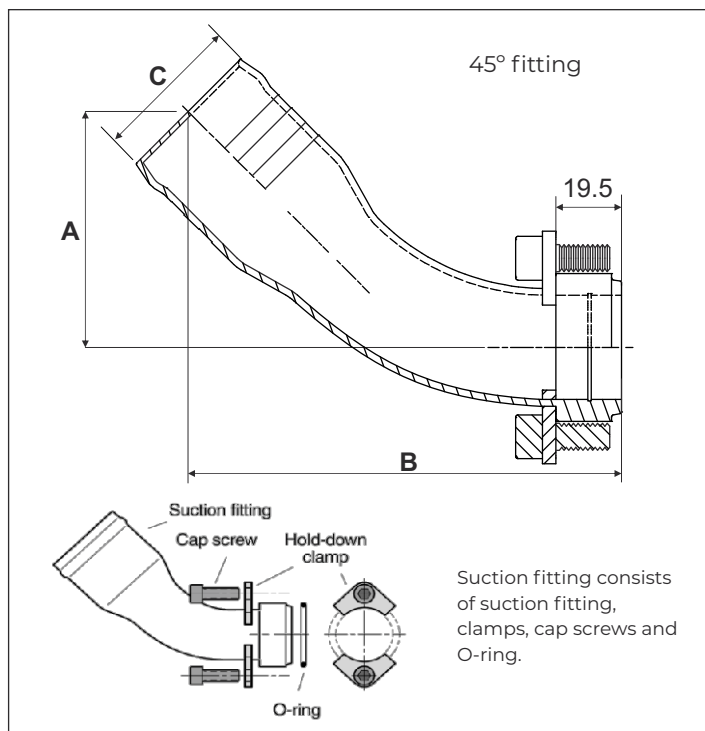




## SUCTION FITTING FOR HYVA BY PARKER PISTON PUMPS 4H5

| Part no. | Description                   | A<br>(mm) | B<br>(mm) | C<br>(mm) / (in.) |
|----------|-------------------------------|-----------|-----------|-------------------|
| 14535303 | HOSE PILLAR F1-25L-45° - LP20 | 60        | 104       | 32 / 1¼"          |
| 14535304 | HOSE PILLAR F1-25L-45° - LP24 | 60        | 104       | 38 / 1½"          |
| 14535300 | HOSE PILLAR F1-45° - LP28     | 67        | 110       | 45 / 1¾"          |
| 14535305 | HOSE PILLAR F1-45° - LP32     | 67        | 110       | 50 / 2"           |
| 14535306 | HOSE PILLAR F1-45° - LP40     | 75        | 117       | 63 / 2½"          |

Suction fitting must be ordered separately as it is not included with the pump



## PUMP CONNECTION KIT PTO UNI 3H

| Part no.  | Description                           |
|-----------|---------------------------------------|
| 021419601 | CONNECTION KIT PTO UNI 3H-PUMP UNI 3H |
| 021419605 | DRIVE KIT DIN-13 PUMP TO UNI-3H PTO   |
| 021410005 | PUMP CONNECTION KIT UNI-3H            |



021419601

## GASKET FOR ISO 4H PUMP

| Part no. | Description             |
|----------|-------------------------|
| 14624850 | GASKET FOR ISO 4-H PUMP |



## PUMP - CARDAN FLANGE

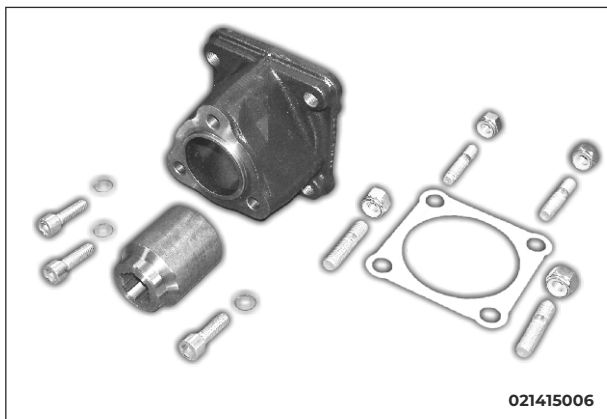
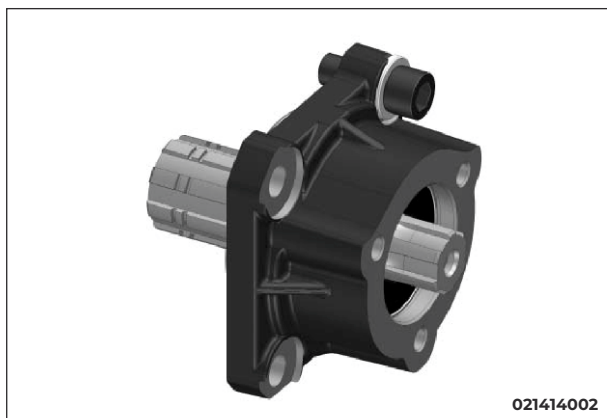
| Part no.  | Description                          |
|-----------|--------------------------------------|
| 021430010 | FLANGE KIT DIN 00 FOR ISO PUMP SHAFT |

*A wide range of other flanges are available, please specify your application in detail and forward to your Hyva partner. Our engineers will put together the best solution for your application.*



## PUMP - PTO ADAPTERS

| Part no.                                                                  | Description                                                                                         |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 021414002                                                                 | ADAPTOR PTO ZF NA243/4 - PUMP UNI 3H                                                                |
| 02085011                                                                  | ADAPTOR SL9 3H PUMP 4H PTO 1C                                                                       |
| 02085012                                                                  | ADAPTOR SR9 3H PUMP 4H PTO 2CX                                                                      |
| <i>Mount the above adapters to the pump with connection kit 02050010H</i> |                                                                                                     |
| 021415006                                                                 | ADAPTOR PTO UNI 3H - PUMP ISO 4H<br><i>(This adapter is delivered including the connection kit)</i> |







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**20,000 customers**  
**+30 subsidiaries**  
**12 production facilities**



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