

## Additional Information

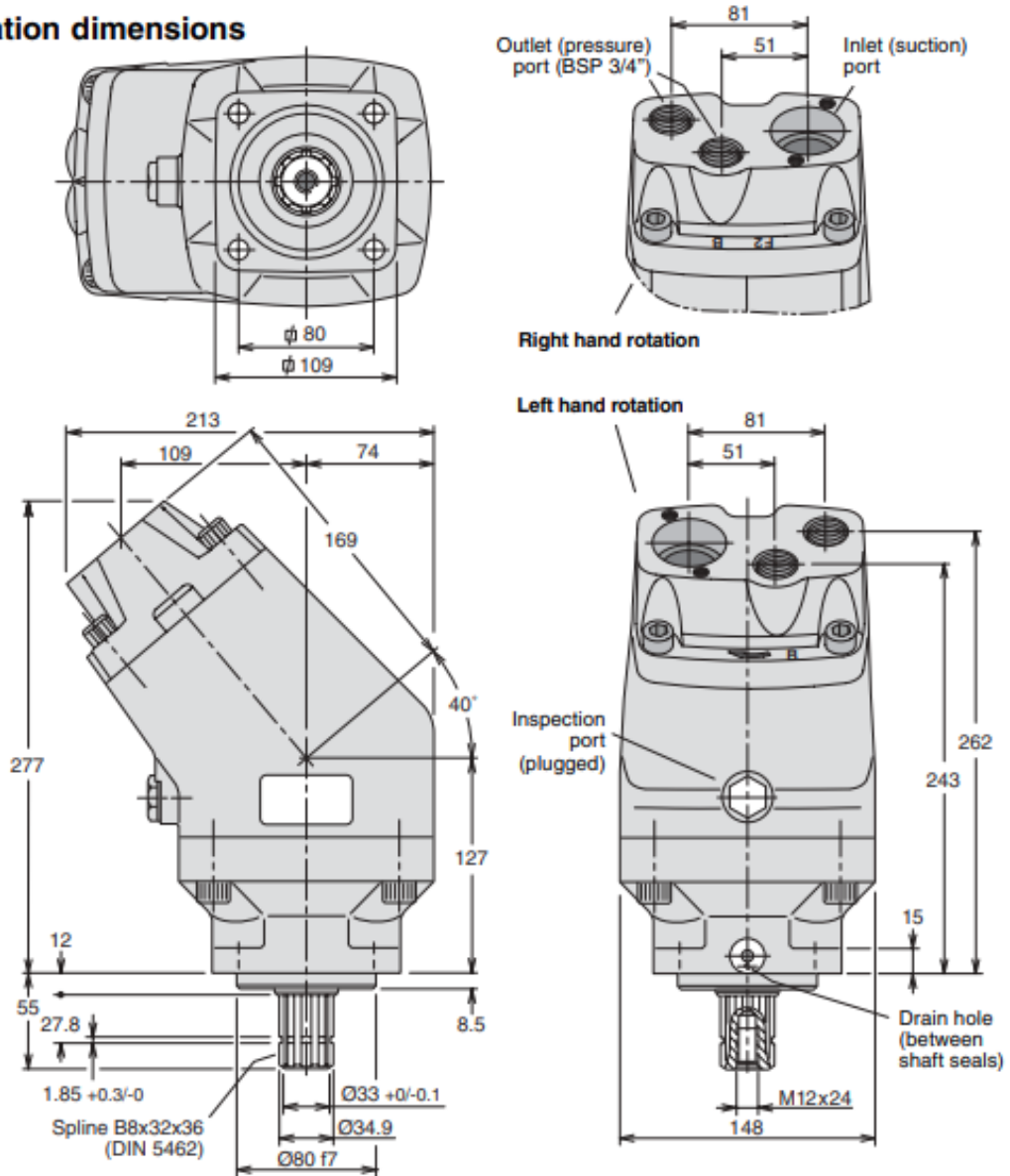
### For: Parker Bent Axis Double Pumps

#### Installation Dimensions

##### Technical Information

##### F2 Twin-flow Pump - Fixed Displacement

##### Installation dimensions



##### Ordering code

Example: **F2 - 53/53 - L**

Frame size [cm<sup>3</sup>/rev]  
**53/53**  
**70/35**

Direction of rotation  
**L** Left hand  
**R** Right hand

##### Standard versions

Designation	Ordering no.
F2-53/53-R	378 1453
F2-53/53-L	378 1454
F2-70/35-R	378 1470
F2-70/35-L	378 1471

##### NOTE:

- Before start-up, tighten the inspection port plug to 70–100 Nm.
- To change the direction of rotation, **the end cap must be replaced.**

**NOTE:** The F2 pump **does not** include a suction fitting; it must be ordered separately. See chapter 9.

## General Information

Catalogue HY17-8200/UK  
**Technical Information**

Truck Hydraulics  
**General Information**

### F2 Twin-flow pump

Series F2 is a further development of the twin-flow version of series F1, the very first bent-axis truck pump on the market to feature two entirely independent flows.

With a suitable build-up of the hydraulic system, the main advantage with a twin-flow pump is that three different flows can be provided at the same engine speed.

The twin-flow pump makes it possible to further optimize the hydraulic system and offers:

- Less energy consumption
- Reduced risk of system overheating
- Lower weight
- Easier installation
- Standardized system solutions

The twin-flow pump makes it possible to operate two work functions that are independent of each other which leads to higher speed and an increased operating precision.

Another requirement can be a large and a small flow, or two equal flows. All of these alternatives are possible with the twin-flow pump.

The pump can be utilized to provide one flow at high system pressure, and, as soon as the pressure has decreased sufficiently, add the flow from the other circuit.

This eliminates the risk of exceeding the PTO power rating and, at the same time, provide an optimal driving function.



#### Typical twin-flow applications

- Large truck loaders
- Forestry cranes
- Hook loaders/lift dumpers
- Tipper/crane combinations
- Refuse collecting vehicles

The pump shaft end/mounting flange meets the ISO standard and suits PTO direct mounting. Suitable PTO:s for most European truck gearboxes are available from our sales offices and distributors.

Frame size	F2-53/53	F2-70/35
<b>Displacement</b> [cm <sup>3</sup> /rev]		
Port A	54	69
Port B	52	36
<b>Max operating pressure</b> [bar]	350	350
<b>Max shaft speed</b> [rpm]		
(unloaded pump; low pressure)	2550	2550
<b>Max selfpriming speed</b> [rpm]		
Ports A <sup>1)2)</sup> and B <sup>1)2)</sup> pressurized	1800	1800
Port A <sup>2)</sup> unloaded, pressure in port B	2100	2100
<b>Input power</b> [kW]		
Max intermittent <sup>3)</sup>	110	110
Max continuous	88	88
<b>Weight</b> [kg]	19	19

1) Valid with 2<sup>1</sup>/<sub>2</sub>" inlet (suction) line; with 2" inlet line: max 1400 rpm.

2) Measured at 1.0 bar abs. inlet pressure.

**Please note:** A lower inlet pressure affects pump performance.

3) Max 6 seconds in any one minute.