

# PB F1 25-101 ISO



## F1-25 to -101, ISO

### Specifications

Frame size F1-	25	41	51	61	81	101
<b>Displacement</b> [cm <sup>3</sup> /rev]	25.6	40.9	51.1	59.5	81.6	102.9
<b>Max flow</b> <sup>1)</sup> [l/min]	78	104	125	143	180	216
<b>Max operating pressure</b> [bar]	400	400	400	400	400	400
<b>Mass moment of inertia J</b> [kgm <sup>2</sup> ]	0.00274	0.00266	0.00261	0.00257	0.00532	0.00524
<b>Shaft speed</b> [rpm]						
- short circuited pump (low press.)	3100	2700	2700	2700	2300	2300
- max selfpriming speed <sup>2)</sup>	3050	2550	2450	2400	2200	2100
<b>Torque</b> <sup>1)</sup> [Nm]	163	260	324	378	518	653
<b>Max Input power</b> <sup>3)</sup> [kW]	45	61	73	83	105	126
<b>Weight</b> [kg]	8.5	8.5	8.5	8.5	12.3	12.1

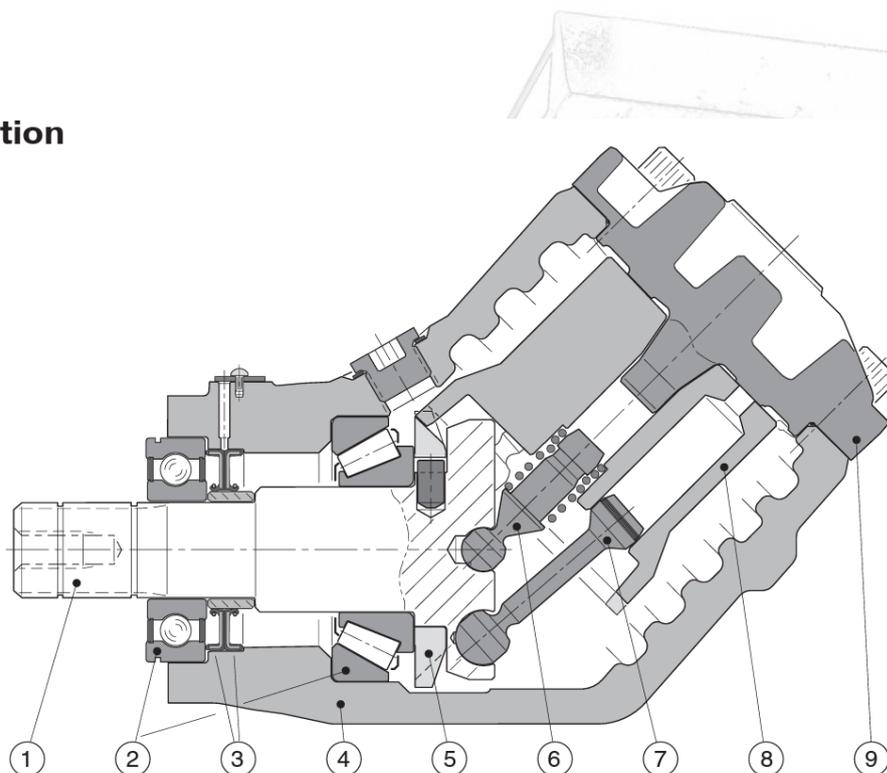
1) Theoretical values

2) Valid at an inlet pressure of 1.0 bar (abs.) when operating on mineral oil at a viscosity of 30 mm<sup>2</sup>/s (cSt).

3) Max 6 seconds in any one minute.

**NOTE:** For noise level information, contact Parker Hannifin

## Pump cross section



- 1. Input shaft
- 2. Bearings
- 3. Shaft seals

- 4. Housing
- 5. Timing gear
- 6. Barrel support

- 7. Piston with piston ring
- 8. Cylinder barrel
- 9. End cap

### Ordering code

Example:

F1 frame size  
**25, 41, 51, 61, 81 or 101**

**F1 - 81 - R**

Shaft rotation

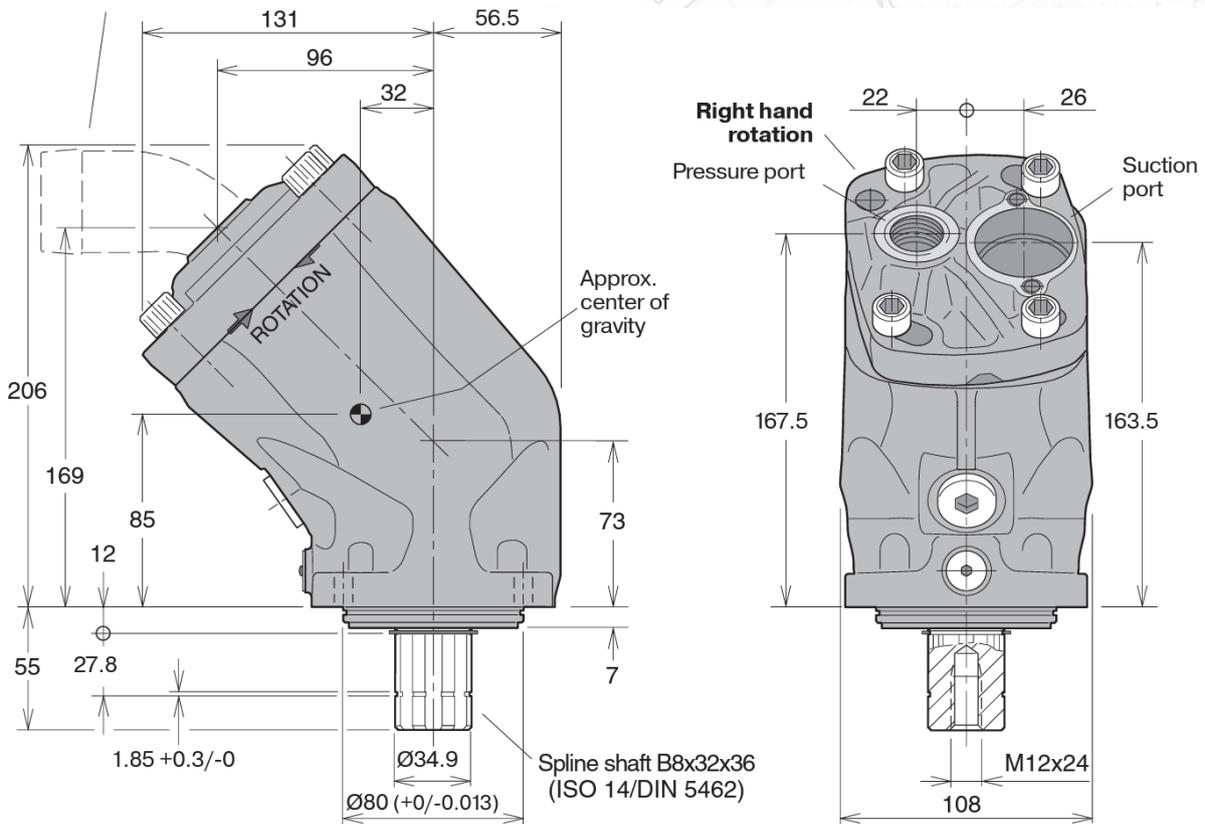
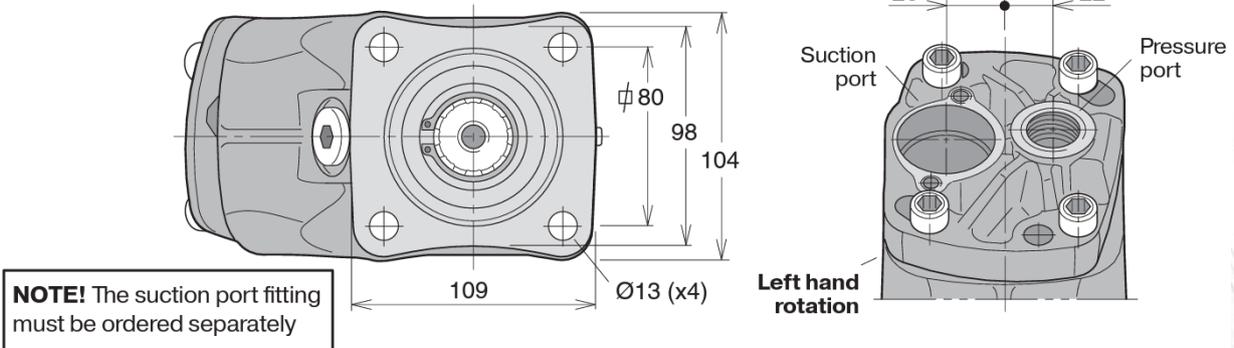
**R** Right hand

**L** Left hand

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## F1-25, -41, -51 and -61



### Port size

F1 frame size	Pressure port <sup>1)</sup>
-25	3/4"
-41	3/4"
-51	3/4"
-61	3/4"

<sup>1)</sup> BSP thread (fitting not included)

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

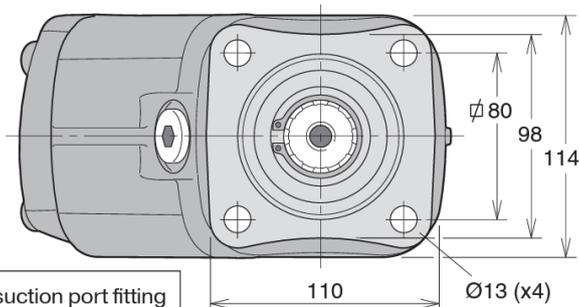
### Standard versions

Designation	Ordering no.
F1-25-R	378 1024
F1-25-L	378 1025
F1-41-R	378 1040
F1-41-L	378 1041
F1-51-R	378 1050
F1-51-L	378 1051
F1-61-R	378 1060
F1-61-L	378 1061

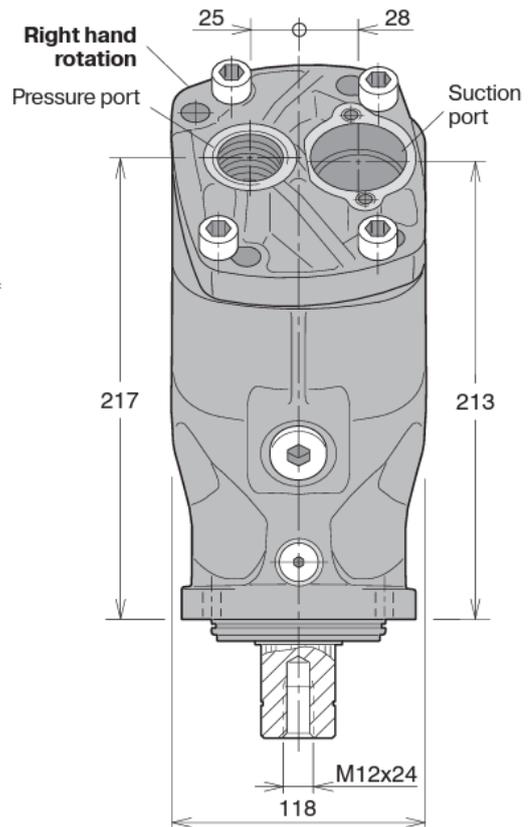
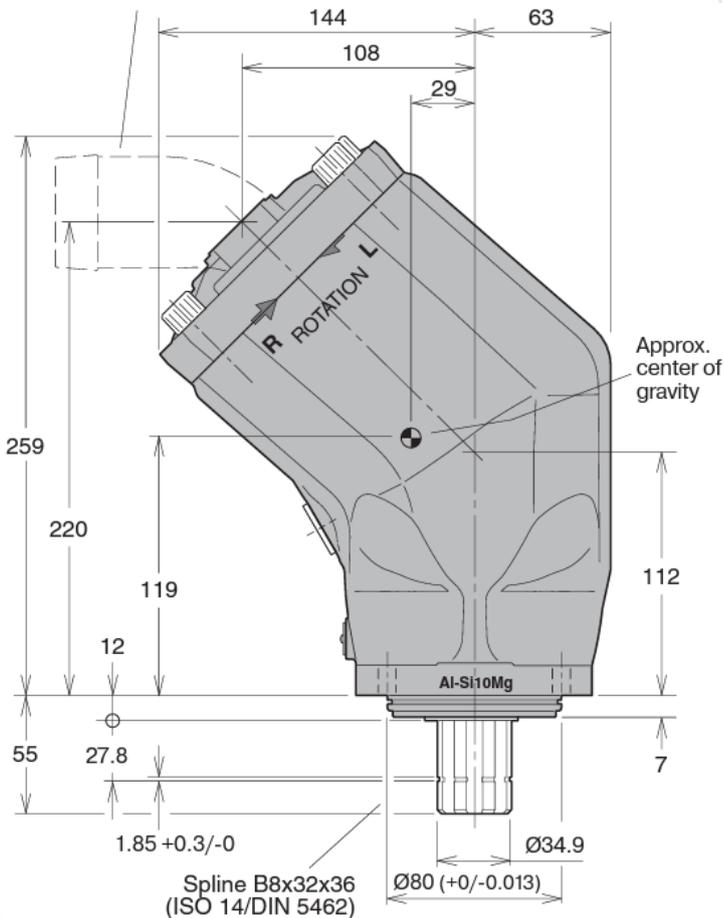
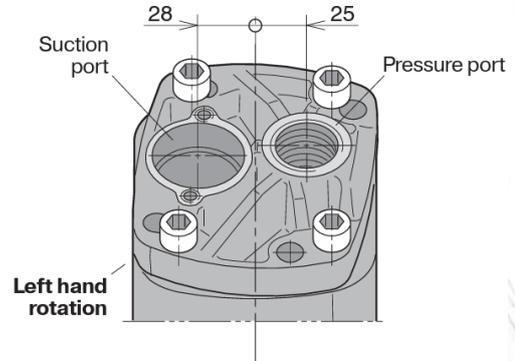
# PB F1 25-101 ISO



## F1-81 and -101



**NOTE!** The suction port fitting must be ordered separately



### Port size

F1 frame size	Pressure port <sup>1)</sup>
-81	1"
-101	1"

<sup>1)</sup> BSP thread (fitting not included)

### Standard versions

Designation	Ordering no.
F1-81-R	378 1080
F1-81-L	378 1081
F1-101-R	378 1100
F1-101-L	378 1101

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