T1 Pump



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Specifications

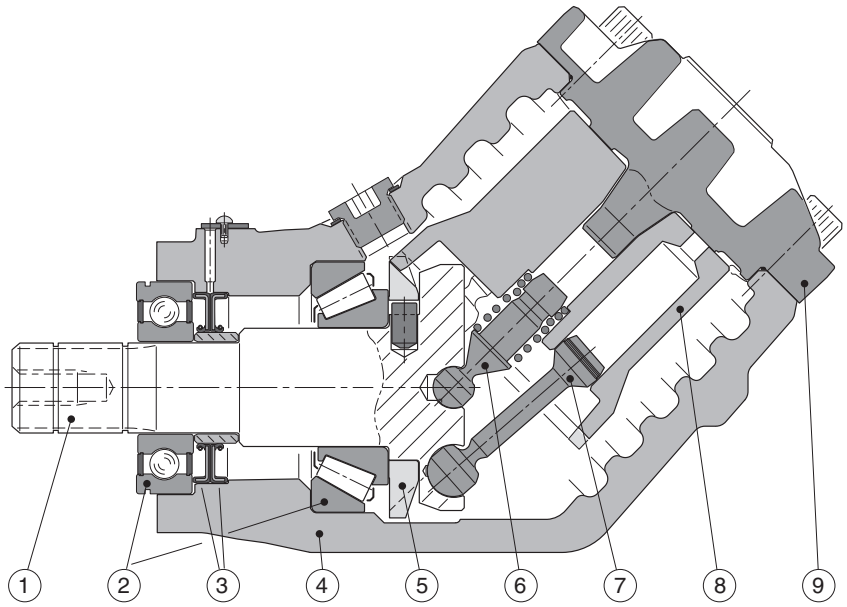
Frame size T1-	81	121
Displacement [cm^3/rev]	81.5	118.5
Max flow [1] [l/min]	163	190
Max operating pressure [bar]		
continuous	250	250
intermittent [3]	350	350
Shaft speed [rpm]		
- short circuited pump (low press.)	2300	2300
max speed [2]	2000	1600
Torque [1] [Nm]		
at 200 bar	258	376
at 350 bar	453	658
Max input power [3] [kW]	95	111
Weight [kg]	8.5	12.5

[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^2/s (cSt).
[3] Max 6 seconds in any one minute.

NOTE: For noise level information, contact Parker Hannifin.

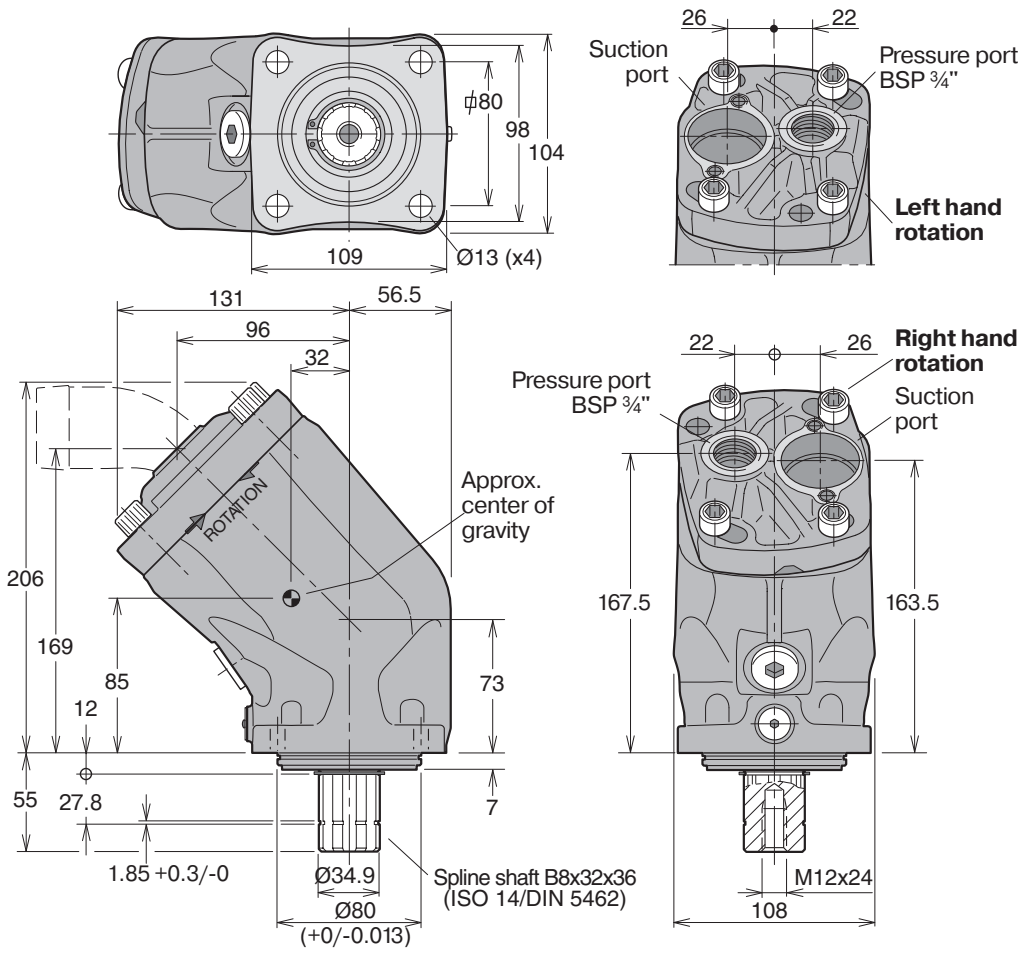
Pump cross section

(T1-121 shown)



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

T1-81



Ordering code

Example: **T1 - 81 - R**

T1 frame size
81 or **121**

Shaft rotation
R Right hand
L Left hand

NOTE: The pump **does not** include a suction fitting; it must be ordered separately. See page 63ff.

Port size

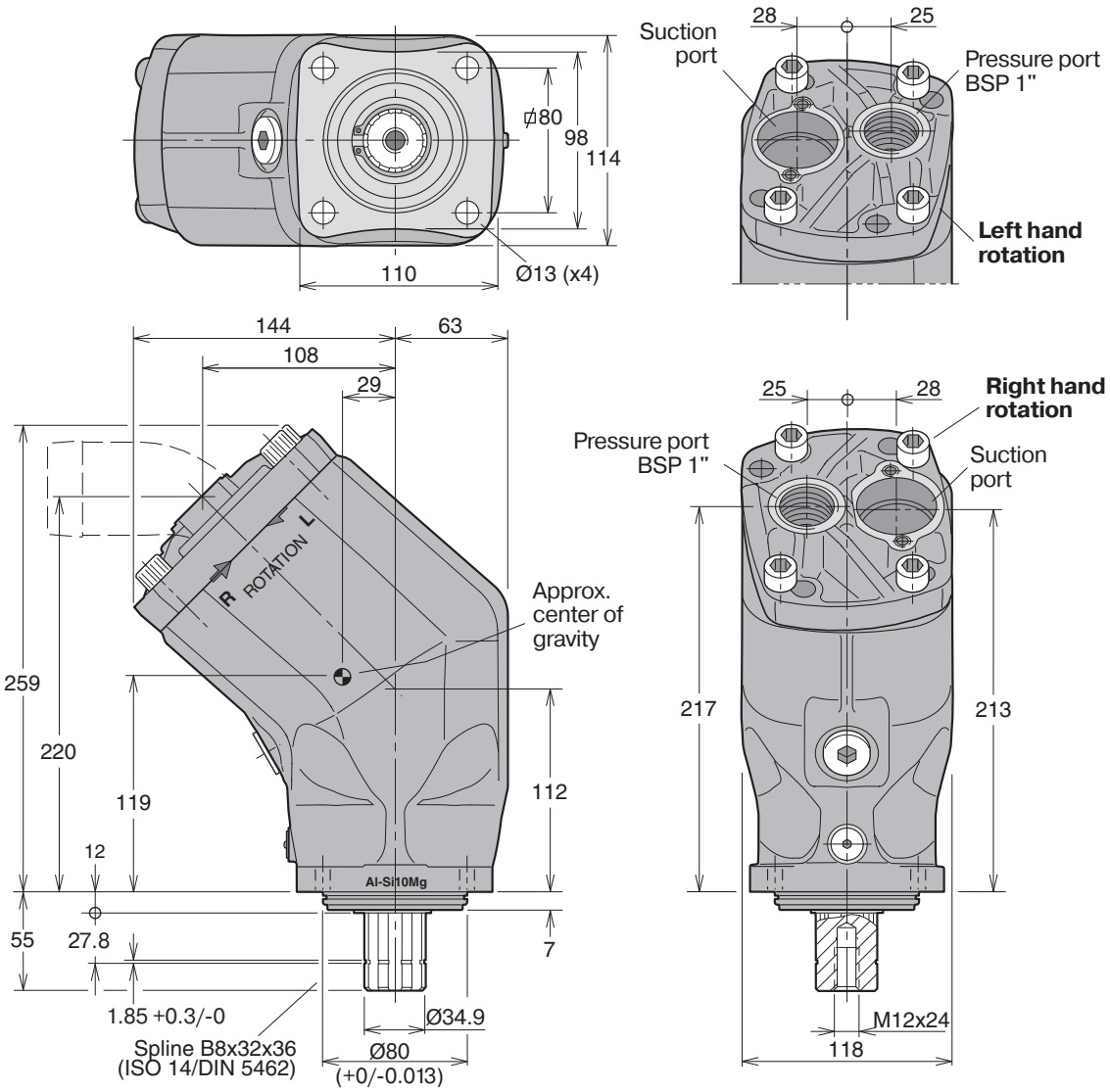
T1 frame size	Pressure port [1]
-81	$^3/_4$"
-121	1"

[1] BSP thread (fitting not included).

Standard versions

Designation	Ordering no.
T1-81-R	378 2180
T1-81-L	378 2181
T1-121-R	378 2120
T1-121-L	378 2121

T1-121


Ø80
98
114
110
Ø13 (x4)
28
25
Suction port
Pressure port BSP 1"
Left hand rotation
144
63
108
29
R
L
ROTATION
Approx. center of gravity
259
220
119
112
12
55
27.8
7
1.85 +0.3/-0
Spline B8x32x36 (ISO 14/DIN 5462)
Ø34.9
Ø80 (+0/-0.013)
Al-Si10Mg
25
28
Right hand rotation
Pressure port BSP 1"
Suction port
217
213
M12x24
118