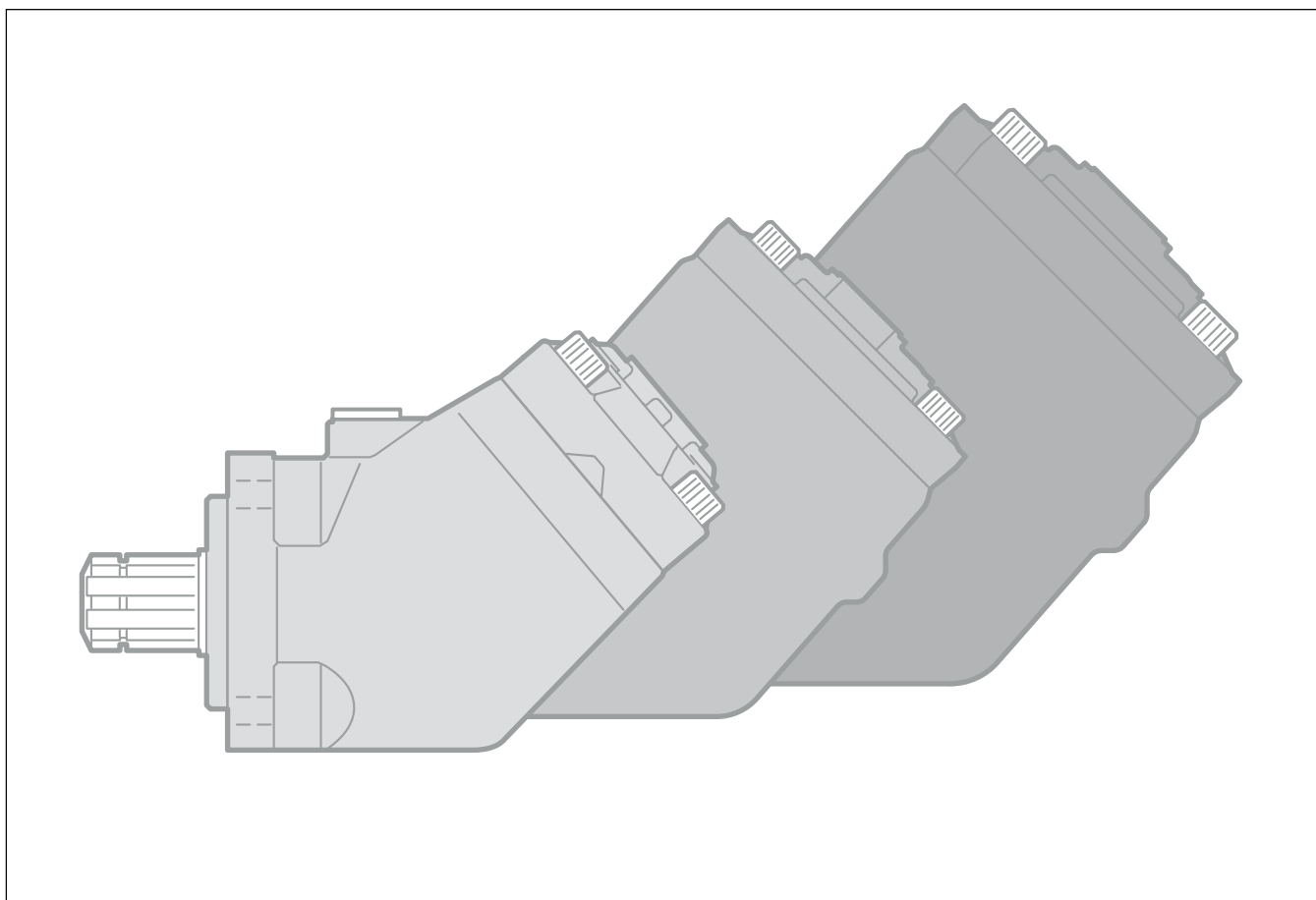


T1 Pump



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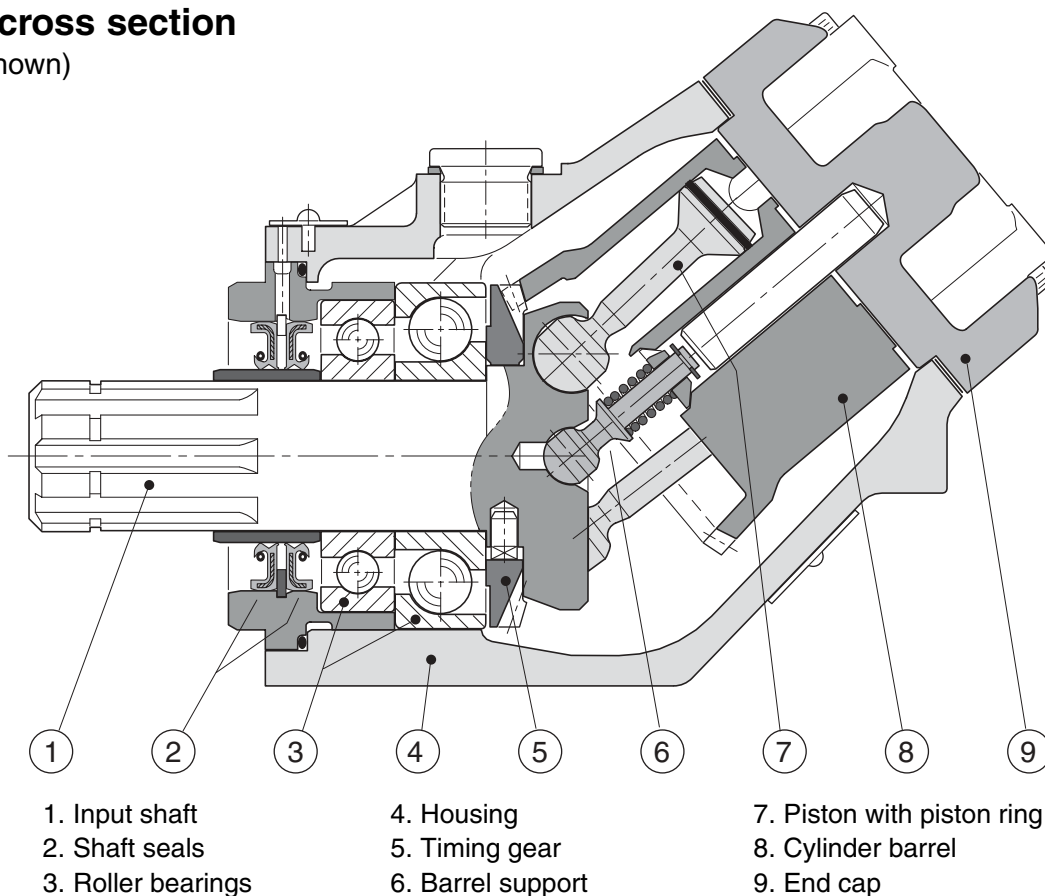
Specifications

T1 frame size	51	81	121
Displacement [cm ³ /rev]	50.0	81.5	118,5
Max flow ¹⁾ [l/min]	80	163 ³⁾	213 ³⁾
Max operating pressure [bar]			
continuous	200	—	200
intermittent ⁴⁾	350	—	350
Shaft speed [rpm]			
short circuited pump (low press.)	2300	2300	2300
max speed ²⁾	2100	2000 ³⁾	1600 ³⁾
Torque ¹⁾ [Nm]			
at 200 bar	158	258	376
at 350 bar	278	453	658
Input power [kW]			
continuous	27	54	71
intermittent ⁴⁾	34	67	89
Weight [kg]	7.2	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 mm²/s (cSt).
- 3) Valid with 2 1/2" inlet (suction) line. With 2" suction line:
 T1-81 – max 1400 rpm (Q ≈ 120 l/min);
 T1-121 – max 950 rpm (Q ≈ 120 l/min).
- 4) Max 6 seconds in any one minute.

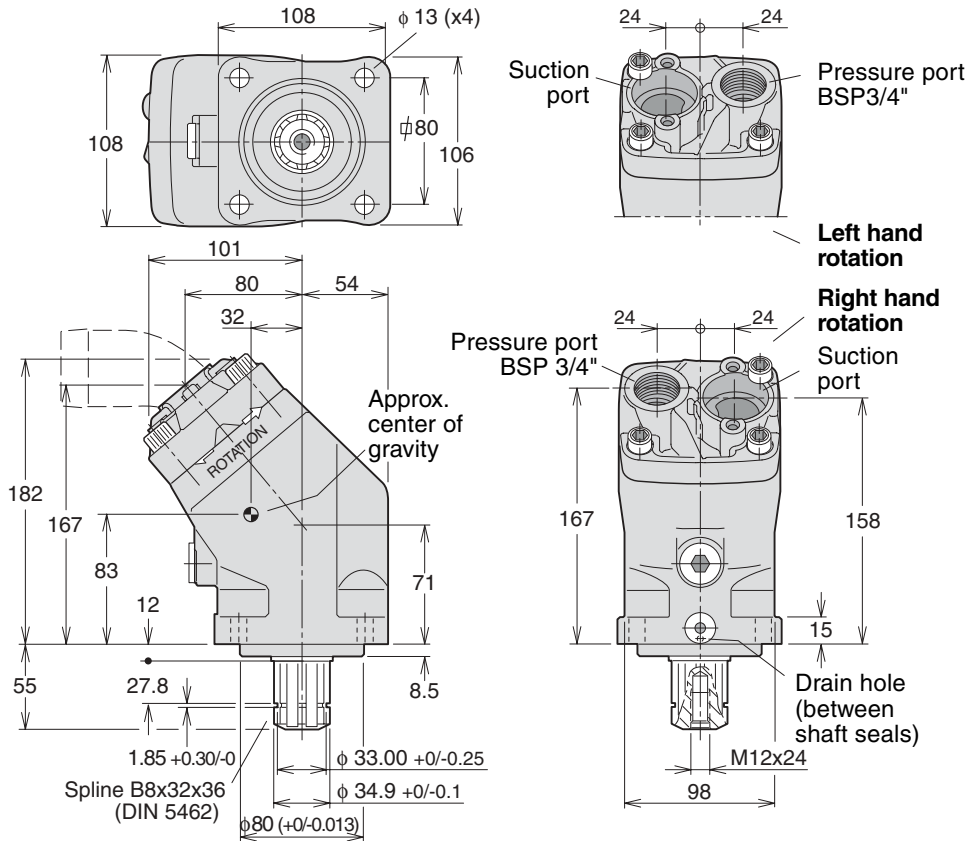
NOTE:
 For noise level information, contact Parker Hannifin.

Pump cross section (T1-51 shown)

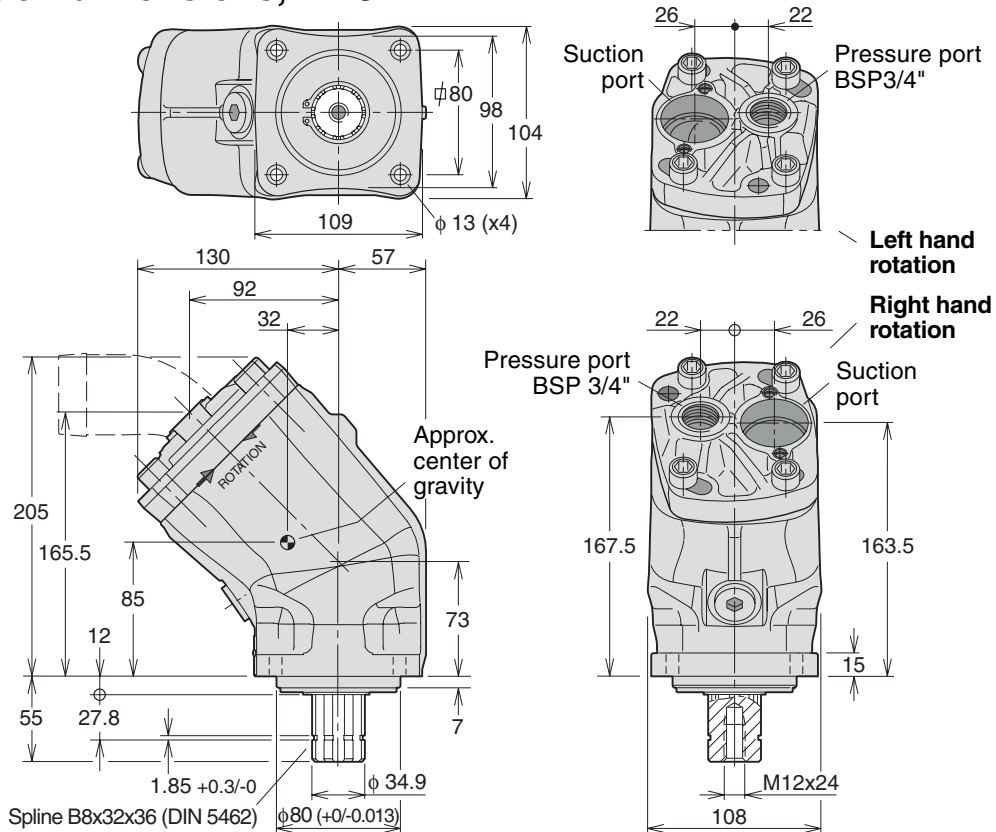


- 1. Input shaft
- 2. Shaft seals
- 3. Roller bearings
- 4. Housing
- 5. Timing gear
- 6. Barrel support
- 7. Piston with piston ring
- 8. Cylinder barrel
- 9. End cap

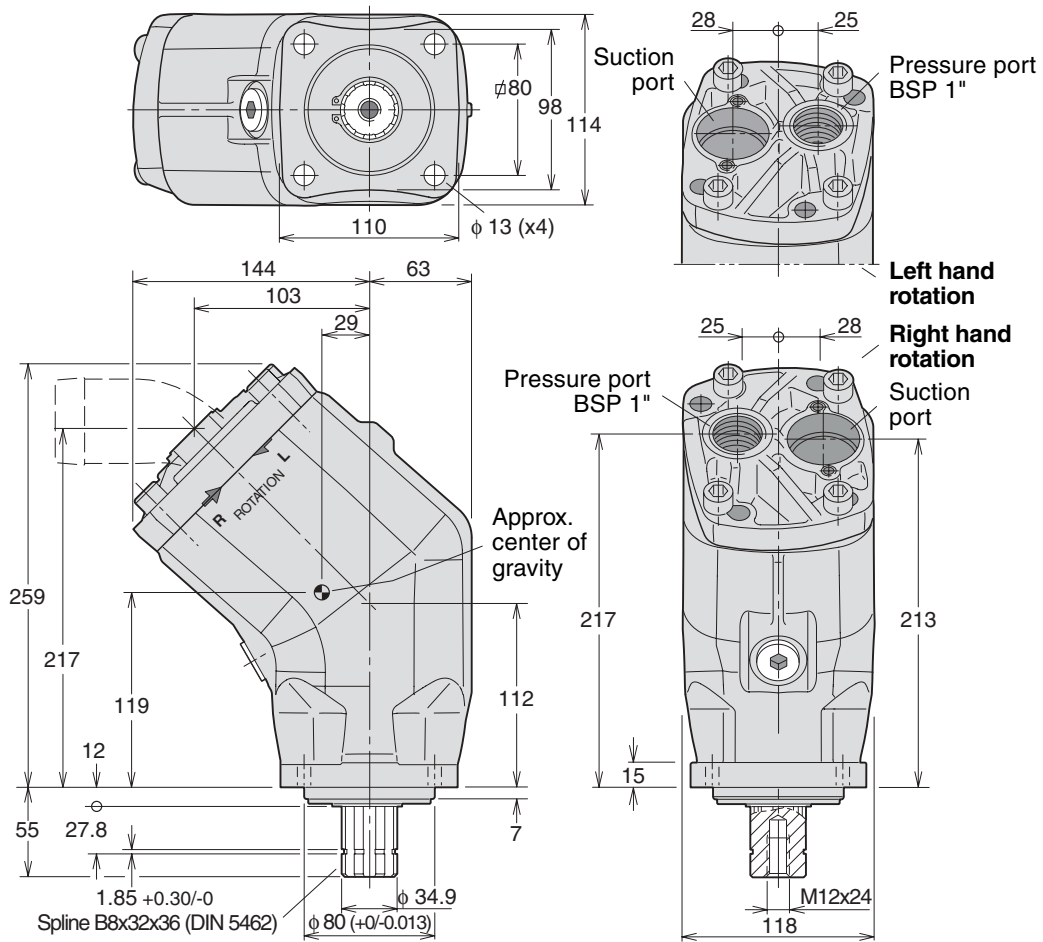
Installation dimensions, T1-51



Installation dimensions, T1-81



Installation dimensions, T1-121



6

Ordering code

Example: **T1 - 81 - R**

T1 frame size **51, 81 or 121**

Shaft rotation **R** Right hand
L Left hand

Standard versions

Designation	Ordering no.
T1-51-R	378 2250
-L	378 2251
T1-81-R	378 2180
-L	378 2181
T1-121-R	378 2120
-L	378 2121

Port size

T1 frame size	Pressure port ¹⁾
-51	3/4"
-81	3/4"
-121	1"

1) BSP thread (fitting not included).

NOTE: The T1 pump **does not** include a suction fitting; it must be ordered separately. See chapter 9.