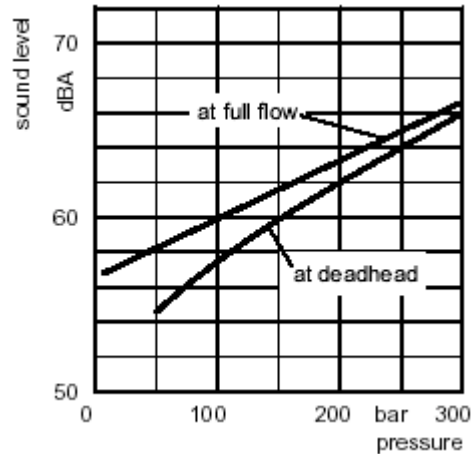


## PV32-PV46

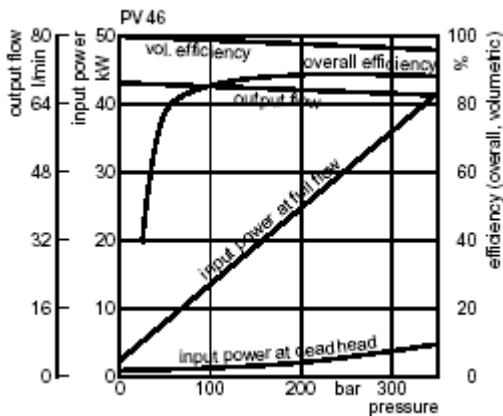
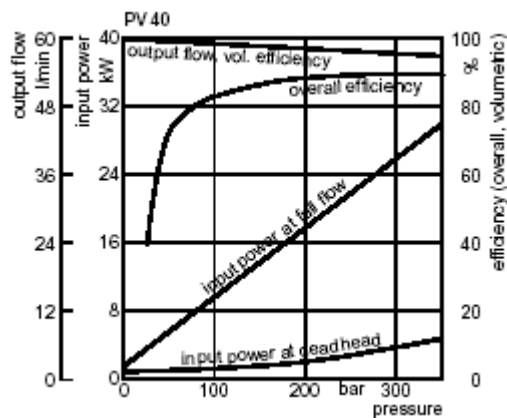
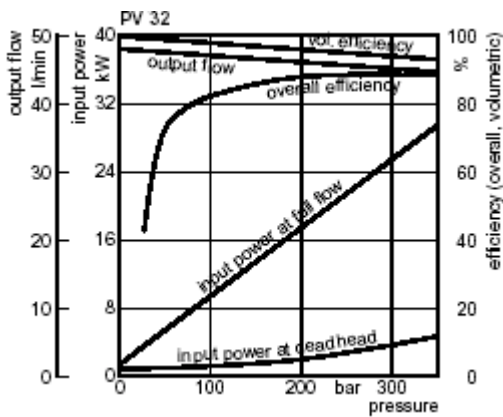


### Noise Levels

#### PV32-PV46



### Efficiency, power consumption



### Efficiency and case drain flows

#### PV32 , PV40 , PV46

The efficiency and power graphs are measured at an input Speed of  $n=1500\text{min}^{-1}$ , a temperature of  $50^{\circ}\text{C}$  and a fluid Viscosity of  $30\text{ mm}^2/\text{S}$ .

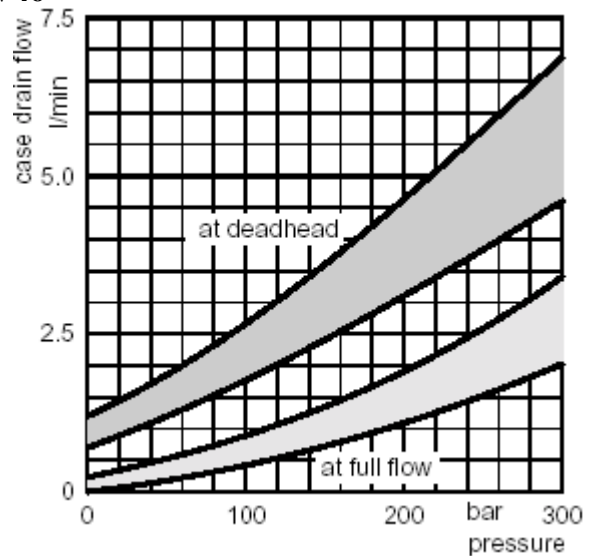
Case drain flow and compensator control flow leave via the drain port of the pump. To the values shown are to be added 1 to 1.2 l/min, if at pilot operated compensators (code G\*, H\* horse power compensator and p/Q-control) the control flow of the pressure pilot valve also goes through the pump. Please note : The values shown below are only valid for Static operation. Under dynamic conditions and at rapid compensation of the pump the volume displaced by the servo piston also leaves the case drain port.

This dynamic control flow can reach up to 60 l/min!

Therefore the case drain line is to lead to the reservoir at full size and without restrictions as short and direct as possible.

### Case drain flows

#### PV32-PV46

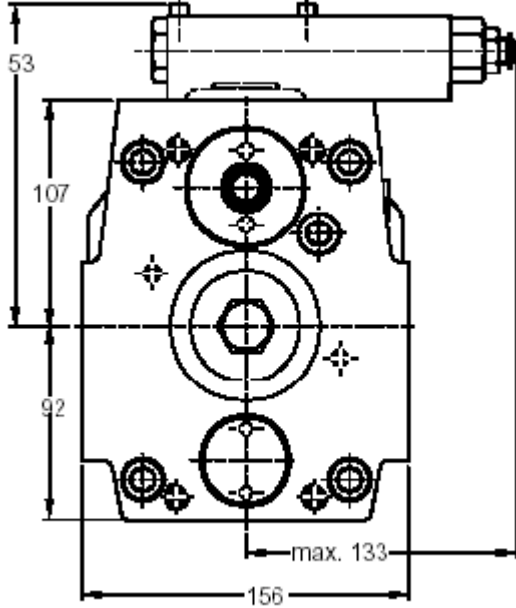


# PV Axial Piston Pump

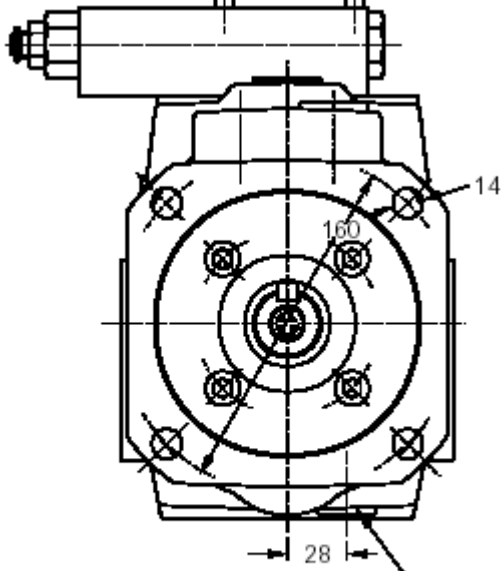


## Dimensions

PV32 -46, metric version

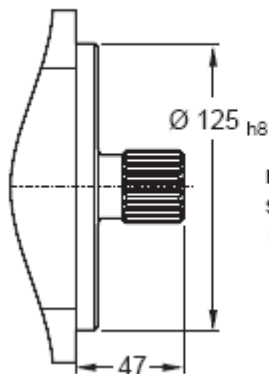


Shown with standard pressure compensator

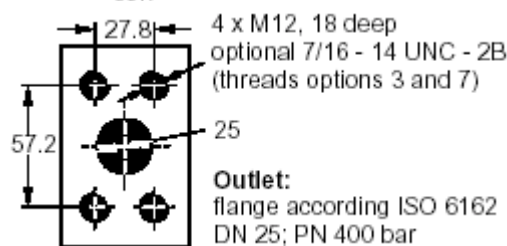
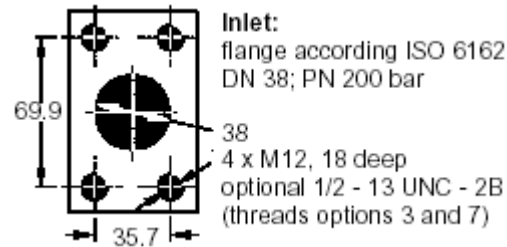
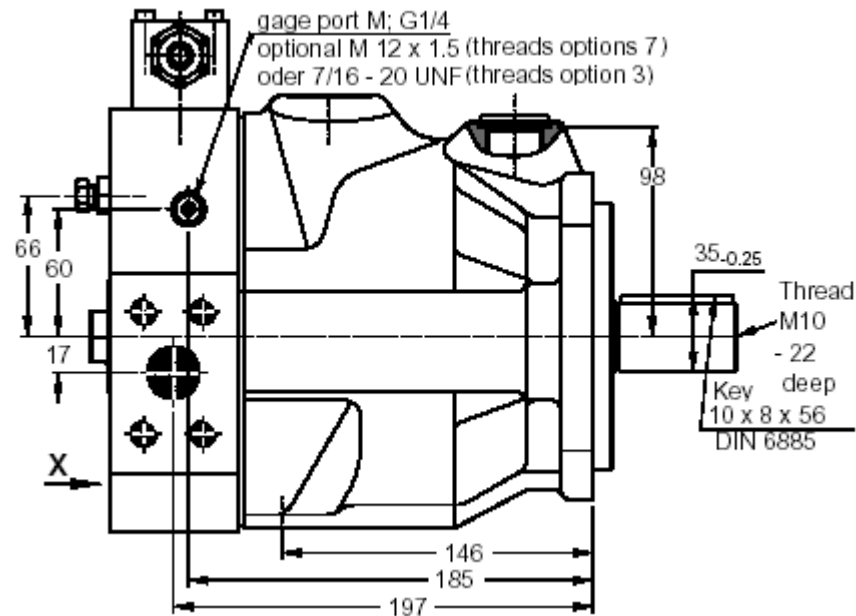
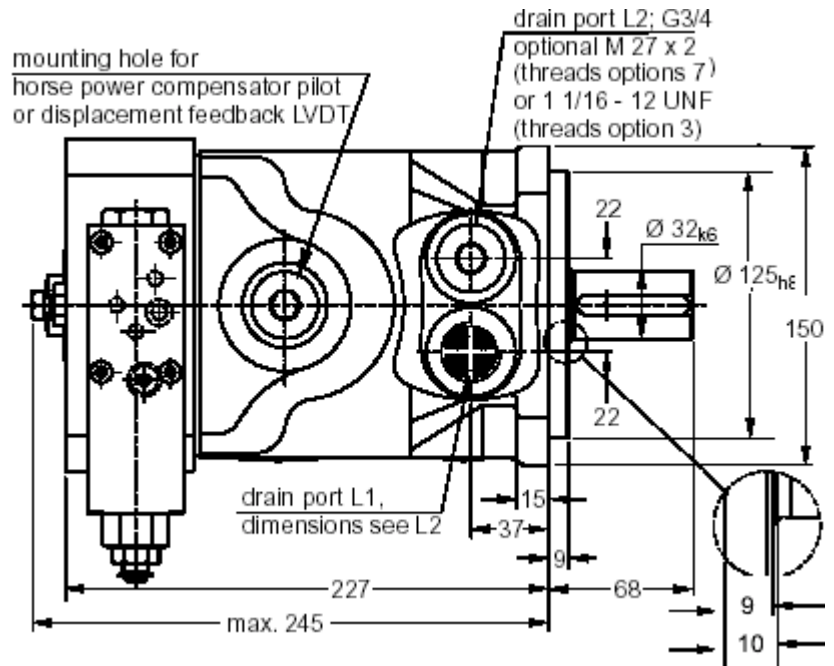
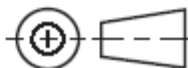


flushing port L3; G 1/2  
optional M 22 x 1.5 (threads options 7)  
oder 7/8 - 14 UNF (threads option 3)

The pump shown above has mounting option M\* and thru drive option B (prepared for thru drive)



mounting option K  
splined shaft  
W 32 x 1.5 x 20 x 8f DIN 5480

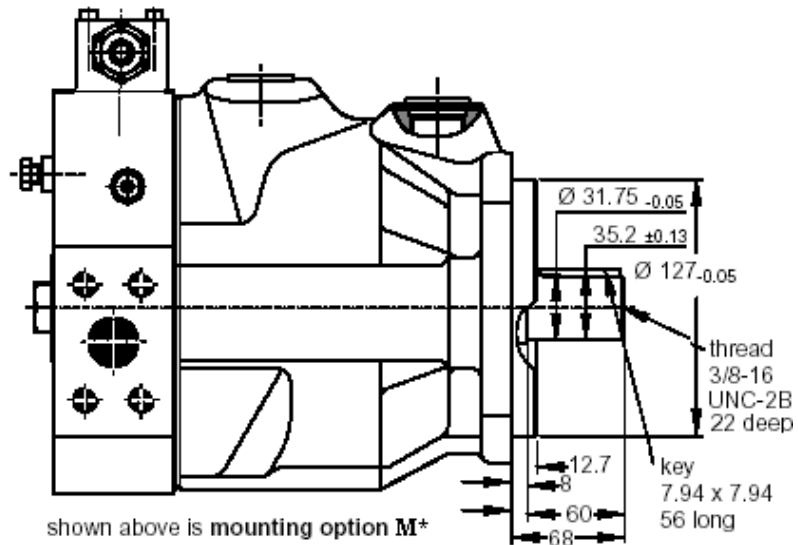
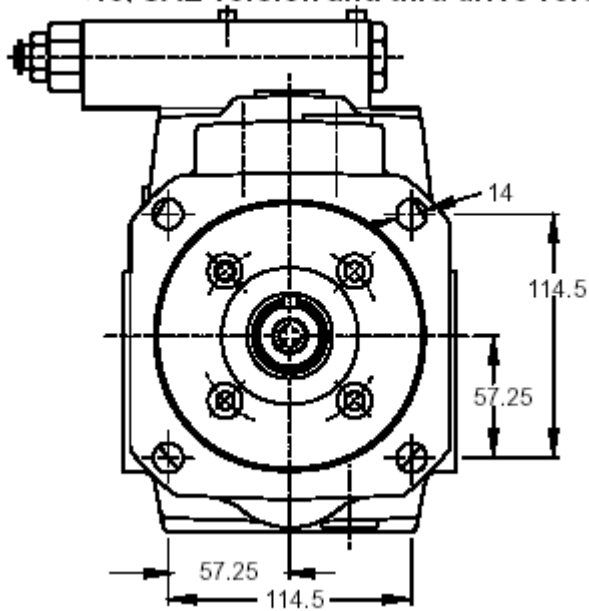


# PV Axial Piston Pump

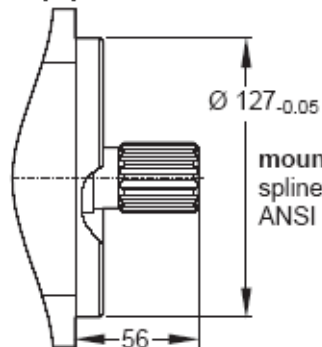


## Dimensions

PV32 -46, SAE version and thru drive version

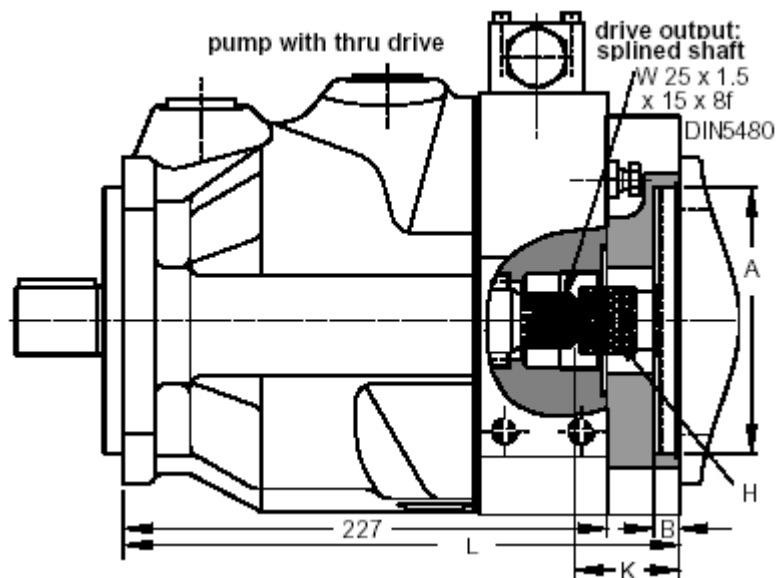
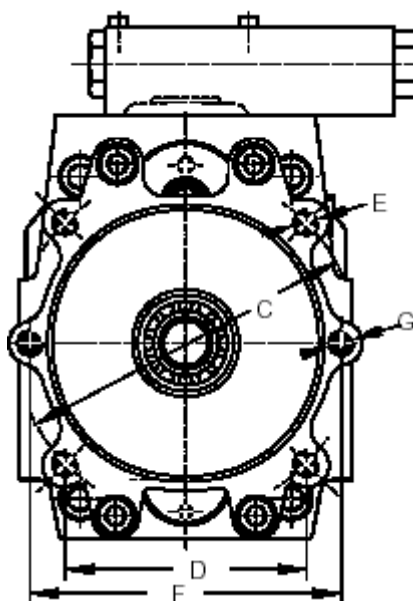


shown above is mounting option M<sup>+</sup>



mounting option D

splined shaft 14T 12/24 DP, flat root, side fit  
ANSI B92.1



drive output:  
splined shaft  
W 25 x 1.5  
x 15 x 8f  
DIN5480

Thru shaft adaptors are available with the following dimensions:

A	B	C	D	E	F	G	K	L
63	8.5	85	-	M8	100	M8	49	261
80	8.5	103	-	M8	109	M10	49	261
100	10.5	125	-	M10	140	M12	49	261
125	12	160	-	M12	n. avail.	n. avail.	49	261
82.55	8	-	-	-	106	M10	49	261
101.6	11	-	89.8	M10	146	M12	49	261
127	13.5	-	114.5	M12	n. avail.	n. avail.	64	276

Dimension H and available couplings

At threads options 3 and 7 the dimensions E and G are UNC - 2B threads.

