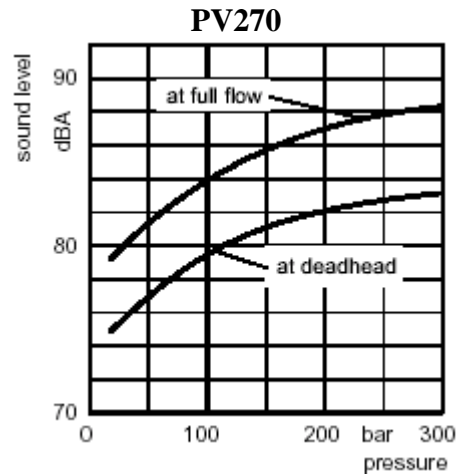


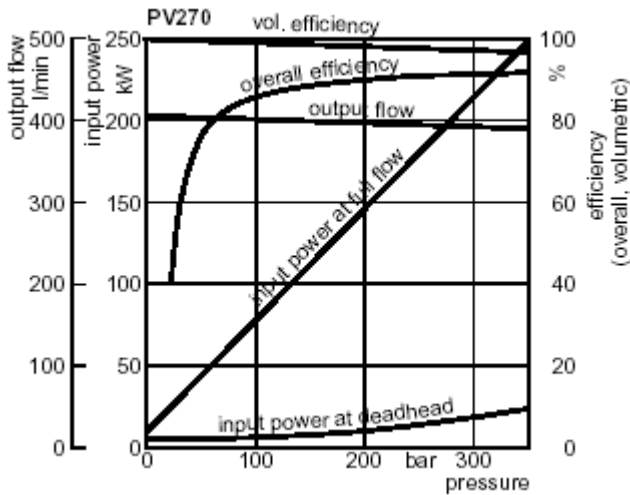
PV270



Noise Levels



Efficiency, power consumption



Efficiency and case drain flows

PV270

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

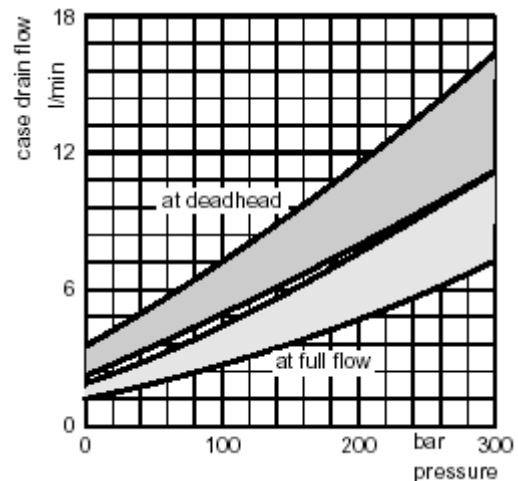
Case drain flow and compensator control flow leave via the drain port of the pump. To the values shown are to be added 1 to 1.2 l/min, if at pilot operated compensators (code G*, H* horse power compensator and p/Q-control) the control flow of the pressure pilot valve also goes through the pump.

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

PV270

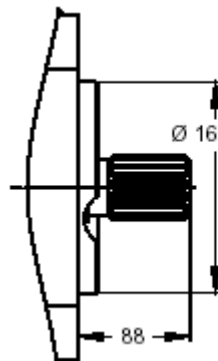
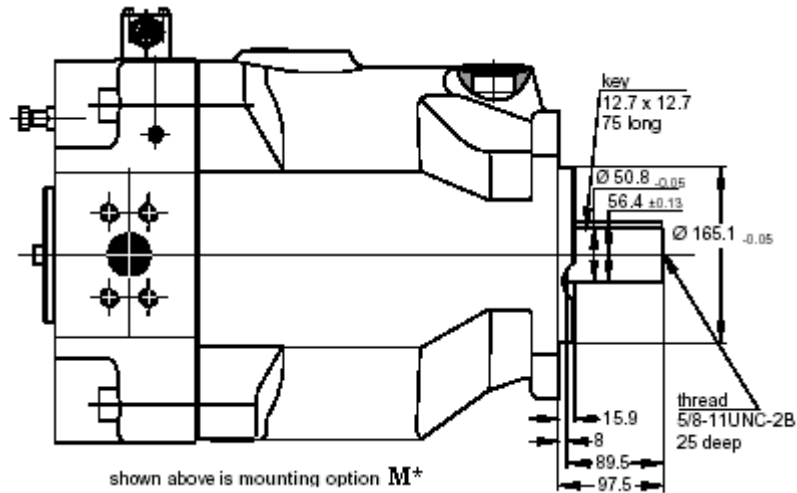
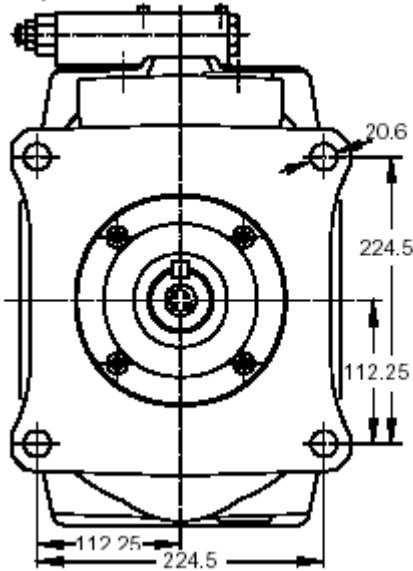


PV Axial Piston Pump

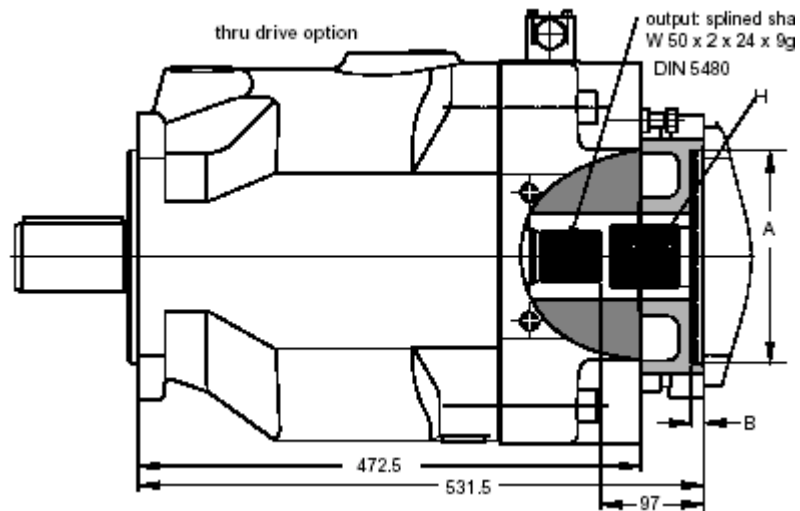
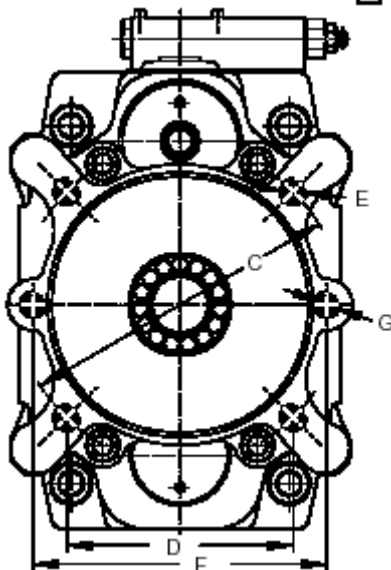


Dimensions

PV 270, SAE version and thru drive version



mounting option **D**
splined shaft 15T-8/16 DP, flat root, side fit
ANSI B92.1



Thru shaft adaptors are available with the following dimensions:

A	B	C	D	E	F	G
80	8.5	103	-	M8	109	M10
100	10.5	125	-	M10	140	M12
125	10.5	160	-	M12	180	M16
160	13.5	200	-	M16	224	M20
200	13.5	250	-	M20	n. avail.	n. avail.
82.55	8	-	-	-	106	M10
101.6	11	-	89.8	M10	146	M12
127	13.5	-	114.5	M12	181	M16
152.4	13.5	-	161.6	M16	229	M20
165.1	17	-	224.5	M20	n. avail.	n. avail.

Dimension H and available couplings

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

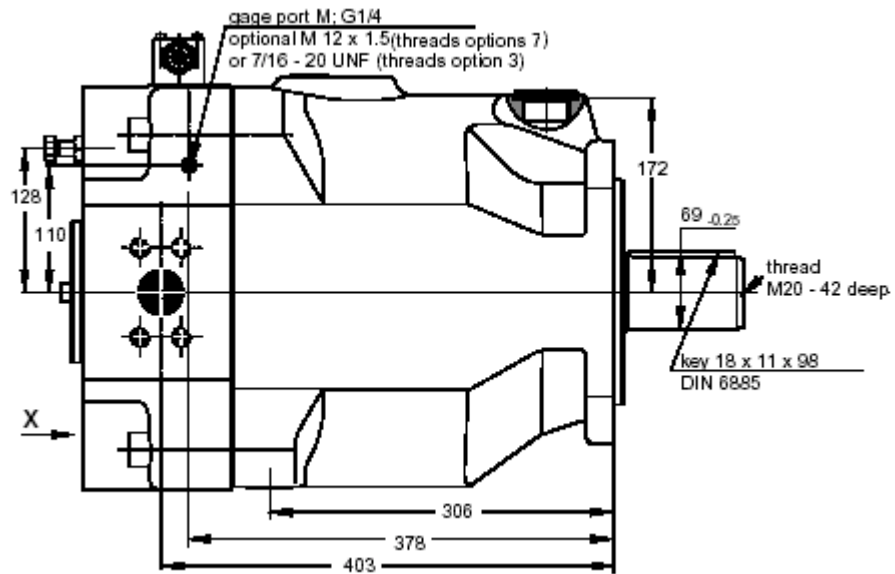
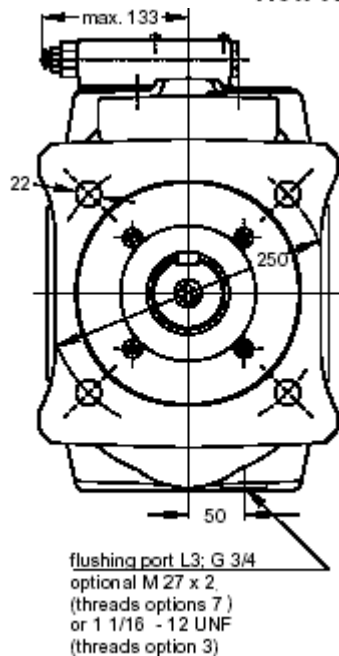
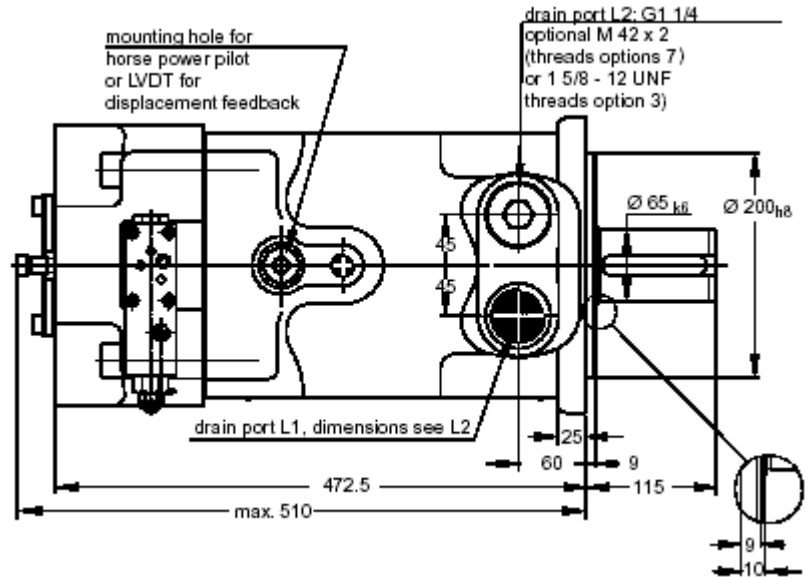
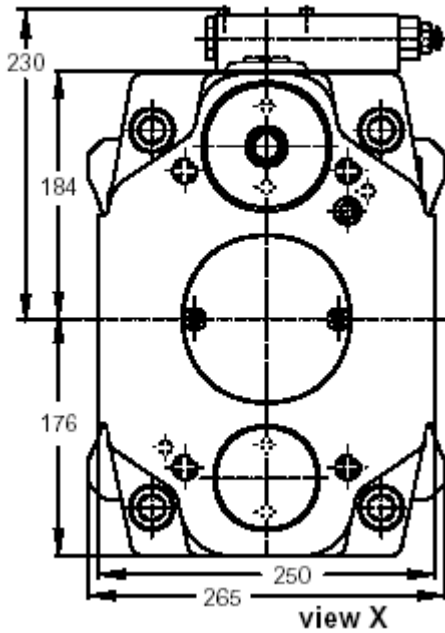


PV Axial Piston Pump



Dimensions

PV 270, metric version



The pump shown above has mounting option M^A and thru drive variation B (prepared for thru drive).

