

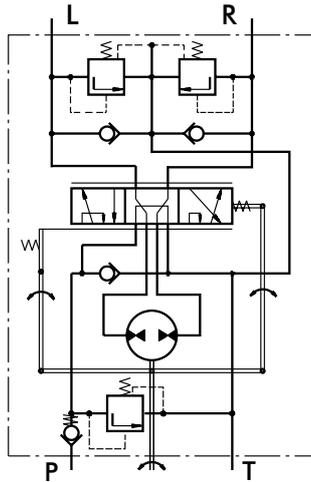
HYDROSTATIC STEERING UNITS TYPE XY.../1



The M+S Hydraulic Hydrostatic Steering units are used in low-speed vehicles which driving speed does not exceed 60 km/h - such as: building machines, fork-lift trucks, harvesting machines, off-highway equipment and others. These hydraulic units amplify the torque to the steering wheels, with no need of hard mechanical connection.

The XY hydrostatic steering unit incorporates an axially displaced tracing valve and a metering pump in one housing. The working liquid is supplied by a separate pump and then is directed by the metering pump to the steering cylinders.

The XY steering unit is manufactured with built-in check valves, and there is an option for a built-in relief valve in the inlet.



"Open Center - Load Reaction"
With Built-in Valves
Version 1 - XY.../1

SPECIFICATION DATA

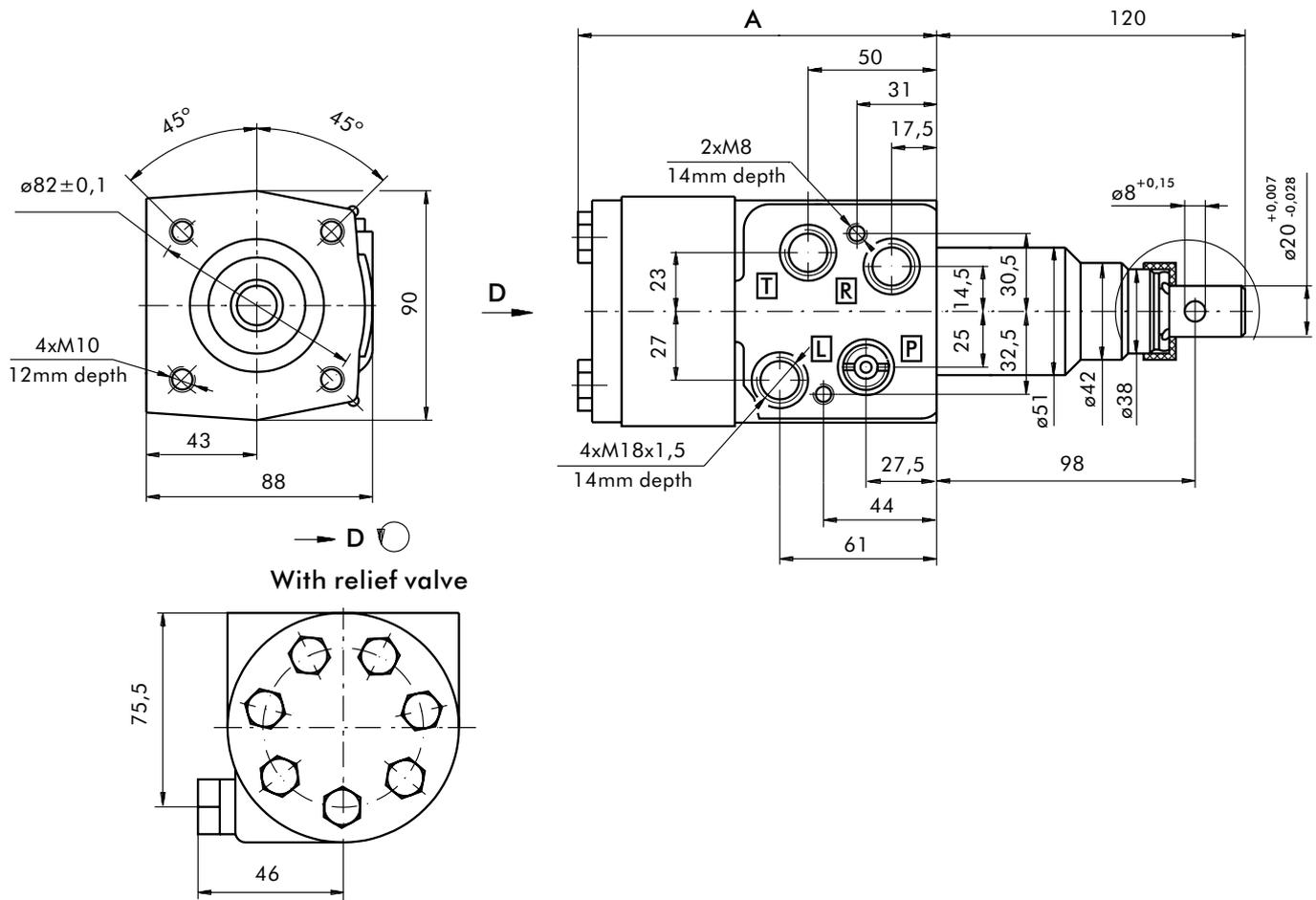
Parameters	Type		
	XY 85.../1	XY 120.../1	XY 145.../1
Displacement [cm ³ /rev]	84	120	144
Rated Flow* [l/min]	9	12	15
Rated Pressure [bar]	150		
Relief Valve Pressure Settings** [bar]	80	100	125
Shock Valves Pressure Setting*** [bar]	200		
Max.Cont.Pressure in Line T - P _T [bar]	20		
Max.Torque at Servoamplifying [Nm]	7,5 (by P _T max)		
Max.Torque w/o Servoamplifying [Nm]	125		
Weight, avg. [kg]	6,4	6,6	6,8
Dimension A [mm]	136,3	141,5	144,5

* Rated Flow at 100 RPM.

** Pressure Settings are at Rated Flow (as in the table) and viscosity 21 mm²/s (50° C).

***Pressure Settings are at flow rate of 4 l/min and viscosity 21 mm²/s (50° C).

DIMENSIONS AND MOUNTING DATA



With relief valve

ORDER CODE

	1		2		3	4	5
XY		-		/	1		

Pos.1 - Displacement code

- 85** - 84 [cm³/rev]
- 120** - 120 [cm³/rev]
- 145** - 144 [cm³/rev]

Pos.2 - Relief Valve Pressure Settings

- 8** - 80 bar
- 10** - 100 bar
- 12,5** - 125 bar
- 15** - 150 bar
- 0** - without Relief Valve

Pos.3 - Versions

- 1** - Version 1 "Open Center - Load Reaction"

Pos.4 - Option (Paint)*

- omit - No Paint
- P** - Painted
- PC** - Corrosion Protected Paint

Pos.5 - Design Series

- omit - Factory specified

NOTES:

* Colour at customer's request.
 The steering units are mangano-phosphatized as standard.