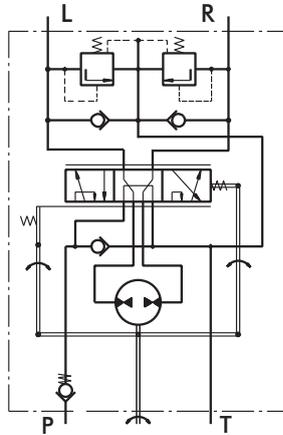


# HYDROSTATIC STEERING UNITS TYPE XY.../1



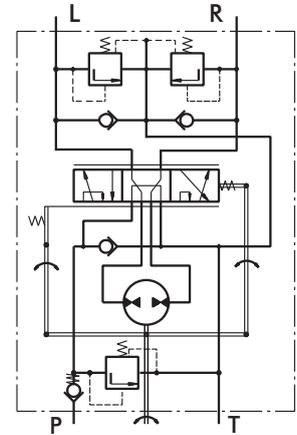
The M+S Hydraulic Hydrostatic Steering units are used in low-speed vehicles which driving speed does not exceed 60 km/h - such as: building machines, fork-lift trucks, harvesting machines, off-highway equipment and others. These hydraulic units amplify the torque to the steering wheels, with no need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



"Open Center - Load Reaction"  
XY...-0/1

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 a built-in check valves, and there is an option for a built-in relief valve in the inlet.



"Open Center - Load Reaction"  
XY...-.../1

## SPECIFICATION DATA

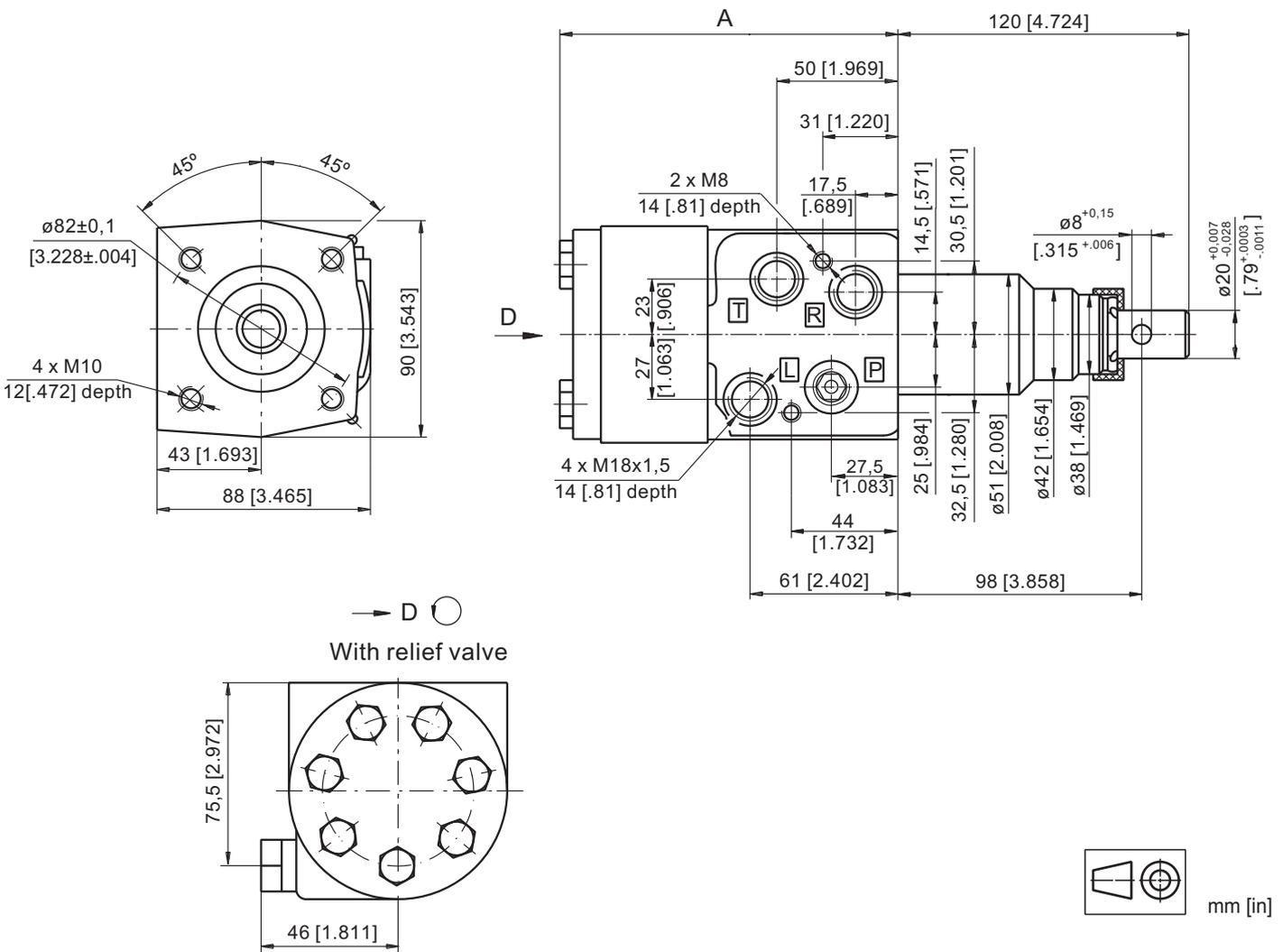
Parameters	Type				
	XY 85.../1	XY 120.../1	XY 145.../1		
Displacement	cm <sup>3</sup> /rev [ in <sup>3</sup> /rev]	84 [5.13]	120 [7.32]	144 [8.79]	
Rated Flow*	lpm [GPM]	9 [2.4]	12 [3.2]	15 [4.0]	
Rated Pressure	bar [PSI]	150 [2175]			
Relief Valve Pressure Settings**	bar [PSI]	80 [1160]	100 [1450]	125 [1810]	150 [2175]
Shock Valves Pressure Settings***	bar [PSI]	200 [2900]			
Max. Cont. Pressure in Line T	bar [PSI]	20 [290]			
Max. Torque at Servoamplifying	Nm [lb - in]	3,5 [31]			
Max. Torque w/o Servoamplifying	Nm [lb - in]	120 [1065]			
Weight	kg [lb]	6,4 [14.1]	6,6 [14.6]	6,8 [15.0]	
Dimension A	mm [in]	136,3 [5.37]	141.5 [5.57]	144.5 [5.69]	

\* Rated Flow at 100 RPM.

\*\* Pressure Settings are at Rated Flow (as in the table ) and viscosity 21 mm<sup>2</sup>/s [105 SUS] at 50° C [122°F].

\*\*\*Pressure Settings are at flow rate of 4 lpm [1.06 GPM] and viscosity 21 mm<sup>2</sup>/s [105 SUS] at 50° C [122°F].

**DIMENSIONS AND MOUNTING DATA**



**ORDER CODE**

1	2	3	4	5
XY	-	/	1	

**Pos.1 - Displacement code**

- 85** - 84,0 cm<sup>3</sup>/rev [5.13 in<sup>3</sup>/rev]
- 120** - 120,0 cm<sup>3</sup>/rev [7.32 in<sup>3</sup>/rev]
- 145** - 144,0 cm<sup>3</sup>/rev [8.79 in<sup>3</sup>/rev]

**Pos.2 - Relief Valve Pressure Settings**

- 8** - 80 bar [1160 PSI]
- 10** - 100 bar [1450 PSI]
- 12,5** - 125 bar [1810 PSI]
- 15** - 150 bar [2175 PSI]
- 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
- PS** - Special Paint\*\*
- PCS** - Special Corrosion Protected Paint\*\*

**Pos.5 - Design Series**

- omit - Factory specified

**NOTES:**

- \* Colour at customer's request.
- \*\* Non painted feeding surfaces, colour at customer's request.

The steering units are mangano-phosphatized as standard.