



## **Data Sheet**

# **Electro hydraulic steering** EH-valve

#### Hands-Off Automatic Steering

The EH-valve makes it easy to design an auto-matic steering system for off-road vehicles such as tractors, harvesters and wheel loaders etc.

The EH-valve is designed for use in LS-steering systems, for the compact solution flanged on the Danfoss steering-unit as well as an in-line version if reasons of space requires. The design of theEH-valve is based on the technology from our well-known PVG proportional valves.

The EH-valve is normally used in load sensing systems with S-D's OSPC LS or OSPF LS steering units including pressure protection valves

#### Features

- Automatic steering
- Embedded steering software
- High steering accuracy
- Flanged to the steering unit or in-line mounted
- Compact design
- Low system costs
- Easy access to after market sales

Comprehensive technical literature online at *powersolutions.danfoss.com* 







Electro Hydraulic Steering (for automatic steering) is used by special applications, such as Agriculture, Construction, Road building, Material handling etc. and features

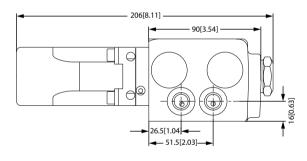
- steering by an electrical signal (Joystick, GPS, or row sensor etc.).
- automatic steering with embedded safety critical steering software.

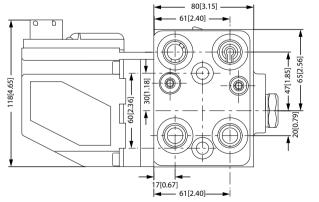
## **Technical data**

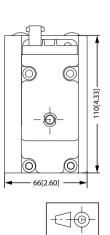
Valve housing	P, T, L and R:	M18 x 1.5 (3/4 - 16 UNF)
Standard	LS:	M12 x 1.5 (7/16 - 20 UNF)
connections		
Spools	Steered flow:	12, 20, 40 l/min [3.17, 5.28,
standard sizes		10.57 US gal/min
Pressures	P, L/R and LS ports:	210 bar [3045 psi]
	T port:	25 bar [363 psi]
Electrical	Supply voltage V <sub>bat</sub>	9 - 32 V
actuator (PVES-	range:	
SV) <sup>1</sup>	Power consumption:	7 W
	Grade of enclosure:	IP66

<sup>1</sup> See also: PVE Tecnical Information

### Dimensions







150-610.10

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.