

ENGINEERING  
TOMORROW

*Danfoss*

# Mobile solutions for fishing vessels applications

Steering Gears, Power Blocks, Winches, Haulers

**Improved**

efficiency and  
increased hydraulic  
lifetime

# Wide range of product portfolio

## Steering Units | Low noise level / Low pressure drop



	Displacement (cm <sup>3</sup> /rev)	Flow (l/min)
OSPB	50 - 500	5 - 70
OSPC	40 - 500	4 - 70
VSP	50 - 400	4 - 50

## Pumps | Designed for durability and flexibility



	Displacement (cm <sup>3</sup> /rev)	Max. Pressure (bar)
SNP2	3.9 - 25.2	250
SNP3	22.1 - 88.2	250
Series 45 Frame L	25, 30	260
Series 45 Frame K	38, 45	260
Series 45 Frame J	45, 51, 60, 65, 75	310
Series 45 Frame F	74, 90	310
Series 45 Frame E	100, 130, 147	310

## Orbital Motors | High efficiency, High Starting Torque



	Displacement (cm <sup>3</sup> /rev)	Max. Torque (Nm)
OMP	25 - 400	33 - 300
OMS	80 - 500	240 - 850
OMT	160 - 500	470 - 1220
OMV	315 - 800	920 - 1880
RS	40 - 400	93 - 551
RE	121 - 748	327 - 1062

## Valves | Directional and Proportional

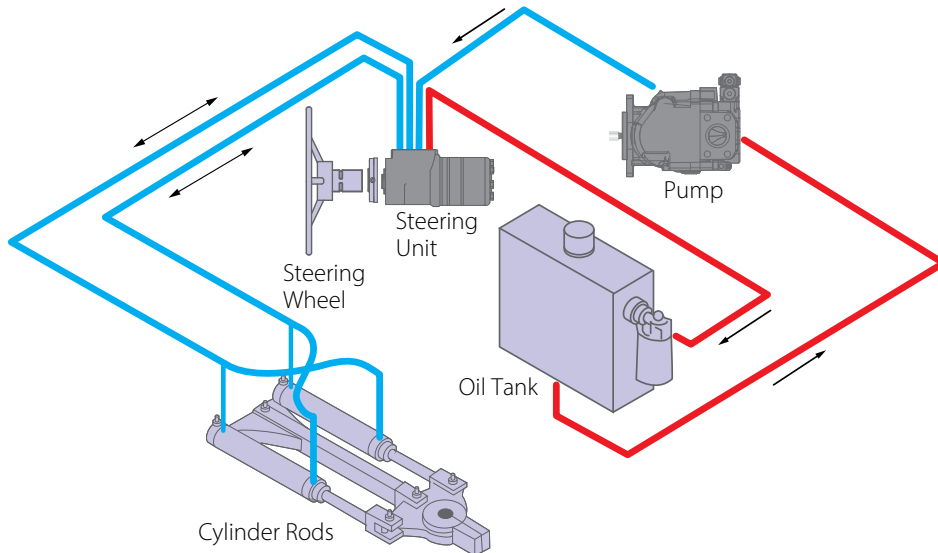


	Oil flow rated (l/min)	Max. Pressure(bar)
ECO 80	80	320
PVG 16	60	380
PVG 32	130	350

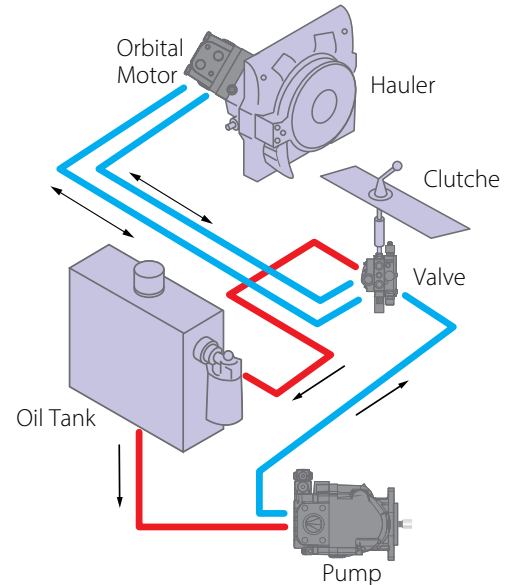


# Total **system** competence

**Hydraulic Steering System**



**Hauler, Hydraulic System**



Size of Motorised Vessels	Steering Unit for Steering Gear	Orbital Motor for Power Blocks /Winches / Haulers	Pumps	Directional / Proportional Valves
10 - 20 GT	VSP 160 / 200 ON	OMP 125 / 160 / 250	SNP2/25	ECO 80 LS
20 - 30 GT	OSPB 160 ON	OMS 125 / 160, RS 110	SNP2/25, SNP3/33	
30 - 50 GT	OSPC 160 / 200 / 250 ON	OMS 250 / 315 / 400, RE 300	Series 45 Frame L/K	ECO 80 LS, PVG 16
50 - 100 GT	OSPC 315 ON, VSP 315 ON	OMT 315 / 400	Series 45 Frame J/F	PVG 16, PVG 32
100 - 200 GT	OSPC 400 ON, VSP 315 ON		OMV 400	Series 45 Frame E
> 200 GT				



## About Danfoss Power Solutions

**Danfoss Power Solutions** is a global manufacturer and supplier of high-quality hydraulic and electronic components. We specialize in providing state-of-the-art technology and solutions that excel in the harsh operating conditions of the mobile off-highway market. Building on our extensive applications expertise, we work closely with you to ensure exceptional performance for a broad range of off-highway vehicles. We help OEMs around the world speed up system development, reduce costs and bring vehicles to market faster.

Danfoss Power Solutions – your strongest partner in mobile hydraulics.

### Products we offer:

- Bent Axis Motors
- Closed Circuit Axial Piston Pumps and Motors
- Displays
- Electrohydraulic Power Steering
- Electrohydraulics
- Hydraulic Power Steering
- Integrated Systems
- Joysticks and Control Handles
- Microcontrollers and Software
- Open Circuit Axial Piston Pumps
- Orbital Motors
- PLUS+1® GUIDE
- Proportional Valves
- Sensors
- Steering
- Transit Mixer Drives

Wherever off-highway vehicles are at work, so is Danfoss Power Solutions. We offer you expert worldwide support for ensuring the best possible solutions for outstanding performance. And with an extensive network of Global Service Partners, we also provide you with comprehensive global service for all of our components.

Go to [www.powersolutions.danfoss.com](http://www.powersolutions.danfoss.com) for further product information.

### Danfoss Power Solutions (US) Company

2800 East 13th Street  
Ames, IA 50010, USA  
Phone: +1 515 239 6000

### Danfoss Power Solutions ApS

Nordborgvej 81  
DK-6430 Nordborg, Denmark  
Phone: +45 7488 2222

### Danfoss Power Solutions GmbH & Co. OHG

Krokamp 35  
D-24539 Neumünster, Germany  
Phone: +49 4321 871 0

### Danfoss Power Solutions Trading (Shanghai) Co. Ltd.

Building #22, No. 1000 Jin Hai Rd.  
Jin Qiao, Pudong New District  
Shanghai, China 201206  
Phone: +86 21 3418 5200