

ENGINEERING
TOMORROW



Marine, Oil and Gas

The **toughest** operating
conditions demand **reliability**
and **performance**

4

distinct certification
categories of
product approvals
to demonstrate
reliability & quality



Marine applications face the toughest operating environment imaginable. Subject to harsh weather conditions, extreme temperatures, and constant salt water immersion, your customers demand an extremely high level of reliability and exceptional performance.

Danfoss has the high-quality products and systems expertise to match your customers' demands. Our broad portfolio includes hydraulic pumps and motors for improved reliability and efficiency, easy system integration and control with PLUS+1® microcontrollers and software.

With Danfoss marine solutions, you can rule the waves.

PRODUCT LINE



H1 PUMP



S90 PUMP



S90 MOTOR

DISPLACEMENT

69 - 78cc

89 - 100cc

115 - 130cc

147 - 165cc

210 - 250cc

42cc

55cc

75cc

100cc

130cc

180cc

250cc

55cc

75cc

100cc

130cc

CERTIFICATIONS

Marine Approval



3.1

2.2

2.1

A product has no value unless its origins, mechanical and material properties are known. With complex supply chain and manufacturing process, customers want to be certain about the quality of the product they are purchasing.

For assurance the industry offers standards such as EN 10204:2004 as well as certification services that customers can choose from depending on their needs like 2.1, 2.2 and 3.1.



Marine approvals or marine product certifications are required for hydraulic products destined for marine vessels. These products have specific testing requirements for pressure and capacity.

Danfoss offers its hydraulic products with desired customer approvals from all major classification societies around the world.



A 3.1 inspection document issued by the manufacturer confirms that the product supplied meets the purchasing specification, internal production standards and is accompanied by test results from the inspection program highlighted by the product specification and/ or purchaser.

This document is further validated by the manufacturer's inspection representative, independent of the manufacturing department.



A 2.2 inspection document is a manufacturer's declaration that the product supplied meets the purchasing specification, internal production standards and further includes test results from the manufacturer's quality/testing program.



A 2.1 inspection document is a manufacturer's declaration that the product supplied meets the firm's production standards, purchasing specifications and testing requirements.

Please reach out to your sales advisor for more information.



H1B MOTOR



D1 PUMP



S45 PUMP

60cc	80cc	110cc	160cc	210cc	250cc					130cc	145cc	193cc	260cc					K2 Frame	45 - 75cc	74 - 90cc	100 - 147cc				
•	•	•	•	•	•					•	•	•	•					•	•	•	•				
•	•	•	•	•	•					•	•	•	•					•	•	•	•				
•	•	•	•	•	•					•	•	•	•					•	•	•	•				
•	•	•	•	•	•					•	•	•	•					•	•	•	•				
•	•	•	•	•	•					•	•	•	•					•	•	•	•				
•	•	•	•	•	•					•	•	•	•					•	•	•	•				
•	•	•	•	•	•					•	•	•	•					•	•	•	•				
•	•	•	•	•	•					•	•	•	•					•	•	•	•				

About Danfoss Power Solutions

Danfoss Power Solutions is a global manufacturer and supplier of high-quality hydraulic and electric 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 as well as the marine sector. Building on our extensive applications expertise, we work closely with you to ensure exceptional performance for a broad range of applications. We help you and other customers around the world speed up system development, reduce costs and bring vehicles and vessels to market faster.

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.

Danfoss Power Solutions – your strongest partner in mobile hydraulics and mobile electrification.

Products we offer:

- Cartridge valves and HIC's
- DCV directional control valves
- Electric converters
- Electric machines
- Electric motors
- Hydrostatic pumps and motors
- Orbital motors
- PLUS+1® controllers
- PLUS+1® displays
- PLUS+1® joysticks and pedals
- PLUS+1® operator interfaces
- PLUS+1® sensors
- PLUS+1® software services, support and training
- PLUS+1® software
- Position controls and sensors
- PVG proportional valves
- Steering components and systems
- Telematics

Go to www.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 GmbH & Co. OHG

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

Danfoss Power Solutions ApS

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

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