

ENGINEERING
TOMORROW

Danfoss

Marine, Oil and Gas

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

4

distinct certification categories of product traceability and quality



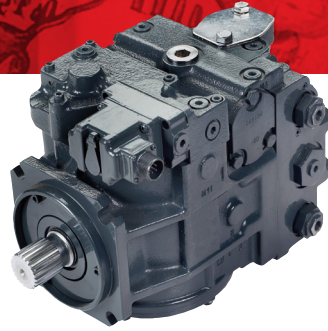
Marine applications face the toughest operating environment imaginable. Subject to harsh weather conditions, extreme temperatures, and constant salt water immersion, your customers demand an extremely high level of reliability and exceptional performance.

Danfoss has the high-quality products and systems expertise to match your customers' demands. Our broad portfolio includes sophisticated axis motors for improved reliability and efficiency, and easy system integration and control with PLUS+1® microcontrollers and software. With Danfoss marine solutions, you can rule the waves.

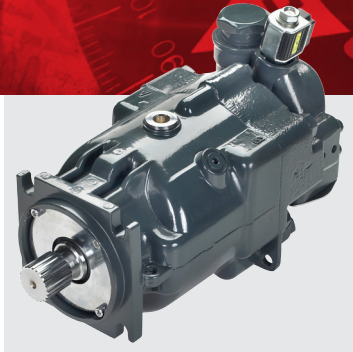
PRODUCT LINE



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

3.2



3.1

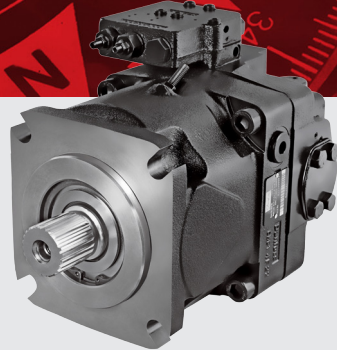
2.2

2.1

Listed logos under 3.2 certifications are registered properties of American Bureau of Shipping, Bureau Veritas, China Classification Society, Nippon Kaiji Kyokai, DNV-GL and Korean Register of Shipping respectively.



H1B MOTOR



D1 PUMP



S45 PUMP

H1B MOTOR						D1 PUMP				S45 PUMP						
60cc	80cc	110cc	160cc	210cc	250cc	130cc	145cc	193cc	260cc	45 - 75cc	74 - 90cc	100 - 147cc				
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A material 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 purchase. To demonstrate, industry standards such as the EN 10204:2004 or ISO 10474:2013 offer a solution by providing four distinct certification categories that customers can choose from, depending on their needs, when ordering a product, namely - 2.1, 2.2, 3.1 and 3.2.



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



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 manufacture's quality/ testing program.



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 3.2 inspection document is issued by the customer designated third party confirming that product meets the purchasing specification, and other product specific standards, as highlighted in the customer request.

This document is issued by a third party independent of customer and purchaser. It can be further supported by firm's authorized inspection representative.

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 powersolutions.danfoss.com for further product information.

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