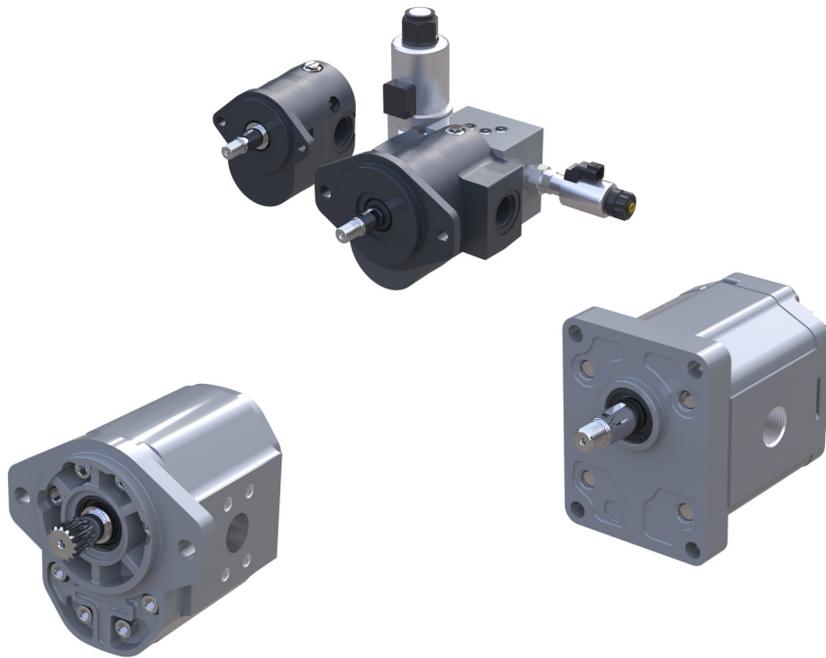


Service Manual

Gear Pumps and Motors

Disposal and Package Recycling Information



Revision history

Table of revisions

Date	Changed	Rev
May 2023	Added recycling information	0201
July 2020	Documents converted to Danfoss standards	0101

Contents

Introduction

Product line

Aluminum gear motor/fan drive motor.....	5
Aluminum gear pumps.....	5
Cast iron gear motor/fan drive motor.....	6
Cast iron gear pump.....	6
Hybrid integrated solutions (BU Gears).....	7

Packaging and recycling information

Primary packaging materials.....	8
Secondary packaging materials.....	9
Tertiary packaging materials.....	9

Introduction

The Information contained in this document identifies the manufacturing materials of key products of the Gears Business Unit of Danfoss Power Solutions and the information necessary for the recycling of the packaging material.

 **Warning**

Danfoss products are tested with hydraulic oil. As a result, the packaging material may be contaminated with chemical products. Information on packaging material in this document is specifically for uncontaminated material. In case of contamination, check local regulations for the disposal of products and packaging.

For more information on disposal material please contact your distributor or sales account representative.

Product line

Aluminum gear motor/fan drive motor

The following products are included in this section:

- Aluminum gear motors/fan drive motors Group 1
- Aluminum gear motors/fan drive motors Group 2
- Aluminum gear motors/fan drive motors Group 3

Disposal information

Aluminum	Pump body
	Front flange
	Back cover
	Bearing block
Steel	Gears
	Nuts and screws
	Valves
Rubber	Seals
	O ring
Polyethylene	Plugs
	End plastic cap
Copper	Valve coil

[For more information on disposal material please contact your distributor or sales account representative.](#)

Aluminum gear pumps

The following products are included in this section:

- Aluminum gear pumps Group 0.5
- Aluminum gear pumps Group 1
- Aluminum gear pumps Group 2
- Aluminum gear pumps Group 3
- Aluminum gear pumps Group 4

Disposal information

Aluminum	Pump body
	Front flange
	Back cover
	Bearing block
Steel	Gears
	Nuts and screws
Rubber	Seals
	O ring
Polyethylene	Plugs
	End plastic cap

[For more information on disposal material please contact your distributor or sales account representative.](#)

Product line

Cast iron gear motor/fan drive motor

The following products are included in this section:

- Cast iron gear motors/fan drive motors Group 2.5

Disposal information

Cast Iron	Pump body
	Front flange
	Back cover
Steel	Gears
	Nuts and screws
	Valves
Rubber	Seals
	O ring
Polyethylene	Plugs
	End plastic caps
Copper	Valve coil

[For more information on disposal material please contact your distributor or sales account representative.](#)

Cast iron gear pump

The following products are included in this section:

- Cast iron gear pumps Group 2.5

Disposal Information

Cast Iron	Pump body
	Front flange
	Back cover
Steel	Gears
	Nuts and screws
	Valves
Rubber	Seals
	O ring
Polyethylene	Plugs
	End plastic caps

[For more information on disposal material please contact your distributor or sales account representative.](#)

Product line

Hybrid integrated solutions (BU Gears)

The following products are included in this section:

- ezeFlow™
- ezeHelp™
- ezePower™

Disposal Information

Aluminum	Pump body
	Front flange
	Back cover
	Bearing block
	Electric motor body
Steel	Gears
	Nuts and screws
	Electric motor shaft
Rubber	Seals
	O ring
Polyethylene	Plugs
	End plastic cap
Electric/electronic	Boards
	Cables
Cast iron*	Front flange
	Back cover

[For more information on disposal material please contact your distributor or sales account representative.](#)

* The pump for ezeFlow™ can be entirely in aluminum or have a cast iron flange and back cover.

Packaging and recycling information

Primary packaging materials

Family products	Packaging description	Packaging material family	Recycling code (in accordance with 97/129/CE)	Symbol
Small lots of aluminum pumps and motors	Cardboard spacer strips	Paper	PAP 20	
	Protective PadPaK paper	Paper	PAP 22	
	Transparent plastic bags	Plastic	PE-LD 04 (LDPE 04)	
Only cast iron products; lots in honeycomb cardboard; intercompany products	VCI bags	Plastic	PE-LD 04 (LDPE 04)	
Big lots of pumps and motors	Honeycomb corrugated cardboard	Paper	PAP 20	
Valve assembled on motors	Pluriball	Plastic	PE-LD 04 (LDPE 04)	
	Cardboard cylinder	Paper	PAP 21	
Modular kits and flexible components	Corrugated cardboard	Paper	PAP 20	
	Skinpack film	Plastic	PE-L 04 (LDPE 04)	

Packaging and recycling information

Family products	Packaging description	Packaging material family	Recycling code (in accordance with 97/129/CE)	Symbol
Kits	Transparent plastic bags	Plastic	PE-LD 04 (LDPE 04)	
Spare parts: gears /aluminum flange and cover	Pluriball	Plastic	PE-LD 04 (LDPE 04)	

Secondary packaging materials

Family products	Packaging description	Packaging material family	Recycling code	Symbol
All products and spare parts	Corrugated cardboard boxes	Paper	PAP 20	

Tertiary packaging materials

Family products	Packaging description	Packaging material family	Recycling code	Symbol
All products except for single boxes	Wooden pallet	Wood	FOR 50	
	Wrapping plastic film	Plastic	PE-LD 04 (LDPE 04)	
All products	Packaging strap	Plastic	PET 01	

Products we offer:

- Cartridge valves
- DCV directional control valves
- Electric converters
- Electric machines
- Electric motors
- Gear motors
- Gear pumps
- Hydraulic integrated circuits (HICs)
- Hydrostatic motors
- Hydrostatic pumps
- Orbital motors
- PLUS+1® controllers
- PLUS+1® displays
- PLUS+1® joysticks and pedals
- PLUS+1® operator interfaces
- PLUS+1® sensors
- PLUS+1® software
- PLUS+1® software services, support and training
- Position controls and sensors
- PVG proportional valves
- Steering components and systems
- Telematics

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.

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

Go to www.danfoss.com for further product information.

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.

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