

ENGINEERING  
TOMORROW

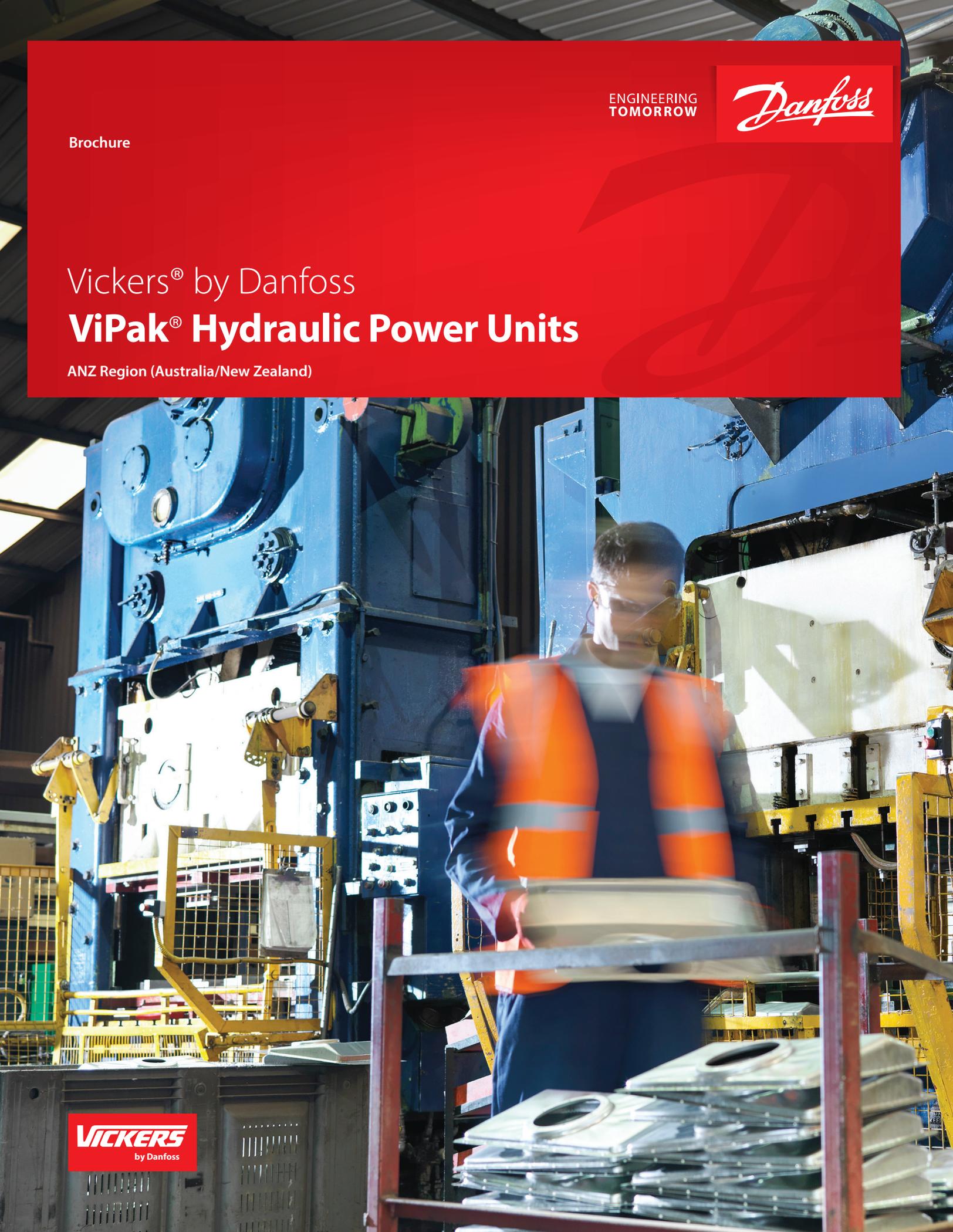
*Danfoss*

Brochure

# Vickers® by Danfoss **ViPak® Hydraulic Power Units**

ANZ Region (Australia/New Zealand)

**VICKERS**  
by Danfoss



# ViPak<sup>®</sup> Hydraulic Power Units

**Count on Danfoss** to move at the speed of your business

## Standard packaged systems

With the most flexible range of standard options, the ViPak product line of configurable standard hydraulic power units (HPU) is the fastest and easiest way to get the hydraulic power you need for your application.

## Easy to configure

Together with your Danfoss representative, you can quickly and conveniently find what you need using our proven configuration tool. A rule-based selection process supports you in finding the right technical solution tailored for your application.

## Instant pricing

Once the selection process is completed the tool provides you with a ready-to-order material number and price. Just reach out to your local Danfoss representative to place the order.

## Short lead times

We can offer short lead times of 1-2 weeks for most of the configurations. For special lead times please contact your Danfoss representative.

## Wide range of options

Whether reservoir size, pump or control valve type, the high variety of standard and advance options allows you to find the optimal solution for your application. All HPUs can be ordered fully assembled and tested.

## Compact design

ViPak HPUs come with a compact, space saving design optimized for maximum flexibility.

## Danfoss quality

ViPak hydraulic power units integrate Vickers by Danfoss proven key components like pumps, valves and hoses as well as carefully selected parts from other well-known brands.

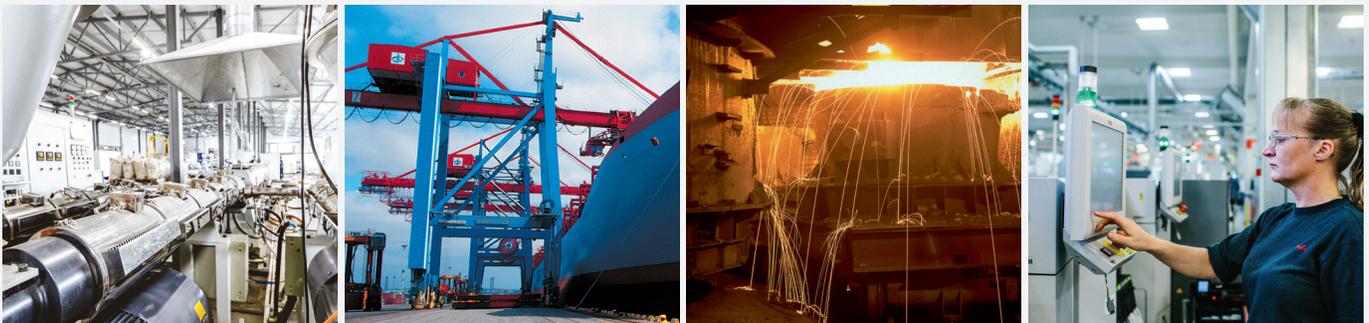
## Customized Hydraulic Power Units

Didn't find what you need? No problem. Our experienced technical support team is available to also design customized solutions for your specific requirements. Please contact your Danfoss representative for more.



Whatever the industry. **Whatever the application.**

There's a ViPak power unit to fit your needs



# ViPak® Hydraulic Power Units

## Feature selections

ViPak HPU's are built using Vickers by Danfoss industrial-grade components with a proven track record of superior reliability, performance and efficiency.

- Standard features are available for selection via the configurator and have shortened lead times.
- Advanced features are available based on request with standard lead times.

### Standard features

Configure to order / Shortened leadtimes

- Reservoirs and lids** (powder coated)
  - 25L
  - 40L
  - 80L
  - 160L
  - 240L
- Electric Motor**
  - 240V 50Hz, single-phase, 0.55 - 3kW
  - 415V 50Hz, three-phase, 0.55 - 22kW
- Pump**  
Vertically arranged submerged pump for space saving and low sound levels (4cc to 62cc). Select from:
  - Vickers Gear pump
  - Vickers Vane pump
  - Vickers Piston pump
- Power unit base manifold**
  - Aluminium (210 bar)
- Return line filter with visual indicator/electrical indicator**
- Multi-station manifold**  
Valves and system stacks need to be configured and ordered separately  
Series/Parallel / Loadsense CETOP valving (Directional valves and stackable modules)
  - CETOP-3
  - CETOP-5
- Air breather**
  - Water gate
  - Dirt gate
- Visual level gauge**
  - Standard Level gauge
  - Level switch (optional)
  - Temperature switch (optional)
- Pressure line filter**
- LED solenoid indicator**
- Oil cooler** (5.5 - 22kW)
- Accumulator** (Bladder 1-4 litre)



### Advanced features

Based on request / Standard leadtimes

- Reservoirs and lids**
  - 2-pack Epoxy
  - Custom colors
  - Stainless steel
- Power unit base manifold**
  - Steel (350 bar)
- Air breather**
  - Desiccant
  - Anti-splash
- Drop-on cover**
- Variable speed drive**
- Push-button electric motor starter**
- Control panel**
- Caster wheels and handles**
- Custom nameplate**
- Aluminium Die Cast Tank 25L**
- Drip tray**

# ViPak® Hydraulic Power Units

Now with **more choices than ever!**

Based on a modular concept, ViPak HPU's offer excellent configuration flexibility with a variety of features, like tank size, cooler or accumulators that can be combined to meet the needs of your application. In addition, advanced features can be added upon request.

## ViPak Configuration Options



40L ViPak  
with accumulator



240L ViPak  
with pressure filter



25L ViPak  
Aluminium die-cast tank  
\*Advanced feature



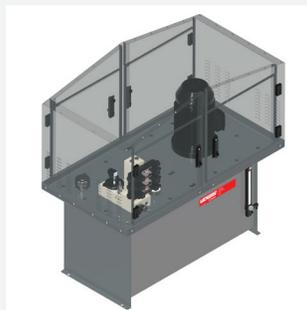
40L Basic ViPak



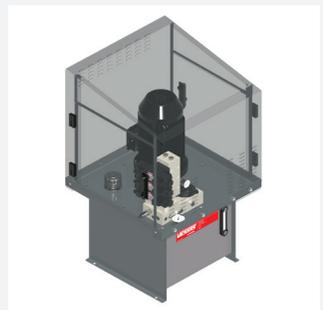
40L ViPak  
with drip tray  
\*Advanced feature



80L ViPak  
with oil cooler



160L ViPak  
with oil cover  
\*Advanced feature



40L ViPak  
with oil cover  
\*Advanced feature

# ViPak® Hydraulic Power Units

Configure and order in **3 easy steps!**

## Standard packaged systems

### 1. Configure your Power Unit

User-friendly drop-down menus guide you through the rule-based selection process, to ensure that only technically viable solutions are created.

### 2. Get an instant quotation

With a minimum selection of only 7 options, you can already configure a complete HPU and get instant pricing, lead time and model code

### 3. Place the order (immediately)

Print out the specification of your configured HPU and email it to Danfoss Customer Service together with your purchase order.

### Receive an order confirmation

Before the order is processed, our Danfoss experts take a final look at the configuration. If everything looks good, the specification, price, and delivery time will be confirmed. The confirmation includes assembly drawings, 3D models as well as the hydraulic circuit diagram etc.

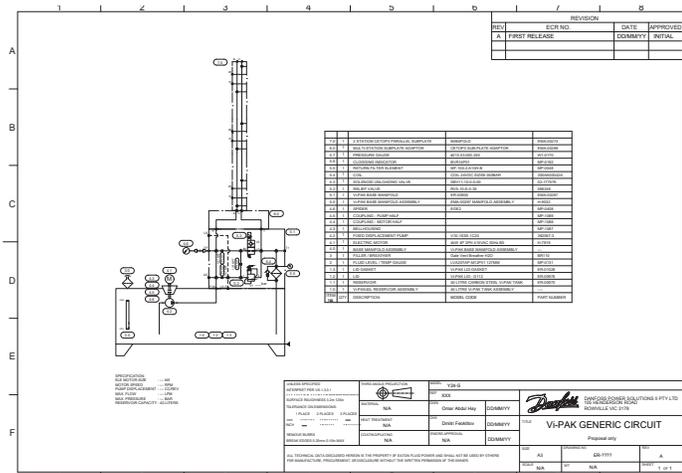
**ViPak Configurator / Price Finder**

PROJECT ID : Y24-S  
 QUOTE ID : QT  
 DATE : 29-May-24  
 VPAK MODEL CODE : VPAK40-SG-3022-G187-PTA-Cavity plug-RF2-N-N-AC2-LS1-N

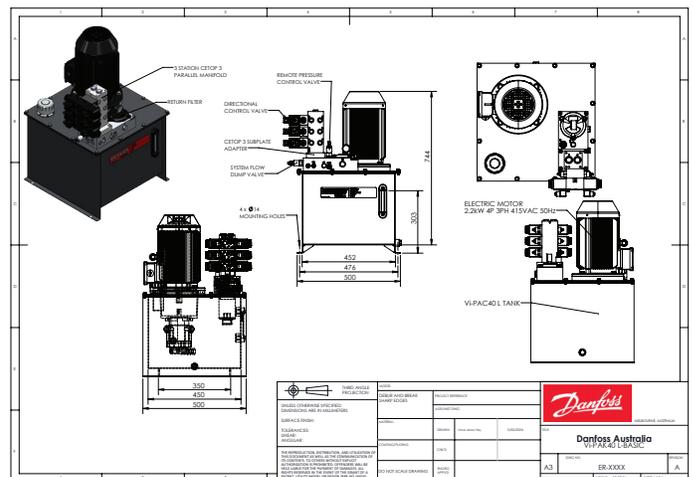
Unit Net Price, Ex-Melbourne : \$ 4,300 Plus GST  
 Lead Time (Ex-Melbourne Plant) :  
 Max. System Pressure : 41 Bar  
 Spare Return Filter Element : MP-0049 To be Ordered separately

**LEGEND**  
 Ex-Stock Items (2 week Lead Time)  
 Non-Stocked Products (4-6 Weeks Lead Time "n")

ViPak Configurator



Hydraulic circuit drawing



Assembly drawing

# ViPak® Hydraulic Power Units

## Build your business with the best!

From power source to actuation, Danfoss offers a full suite of standard and customizable hydraulic solutions to provide precisely what's needed for your project.

### Piston Pumps (PVM)

PVM variable-speed piston pumps generate power more efficiently and quietly than conventional, fixed speed pump systems.

**Displacement range:** 18cc - 141cc  
**Maximum pressure:** 315 Bar



### Vane Pumps (V10/V20)

V10/V20 fixed displacement vane pumps are an excellent choice for quiet operation and control of a broad range of mobile and industrial applications.

**Displacement range:**  
• **V10** - 3.8cc - 27.2cc  
• **V20** - 23.5cc - 51.1cc  
**Maximum pressure:** 172 bar



### Gear Pumps

Danfoss SKP2NN range of gear pumps offer integral valves and pressure balanced design for high efficiency, and extruded aluminum bodies for high strength.

**Displacement range:** 3.9cc - 25.2cc  
**Maximum pressure:** 250 bar



### Sensors

The Danfoss portfolio of temperature sensors and pressure transmitters are engineered for the ultimate insight into your application while delivering resilient, long-lasting performance.

**Temperature sensor range:** from -50° C to 800° C  
**Pressure transmitters:** Choice of pressure connections, electrical connections, pressure ranges, output signal.



### Cylinders

Vickers by Danfoss line of hydraulic, pneumatic and electrohydraulic cylinders are engineered for superior performance and long life.

**Bore Range:** 40mm - 1.5m  
**Stroke Range:** Up to 20m (sizes vary by model type)



### Directional Control Valves (DG4V-3/5)

The line of Vickers by Danfoss directional control valves offers an expansive range of models and configurations to ensure a perfect fit in your application.

**DG4V-3**  
**Size:** Cetop 3  
**Maximum flow:** 60 lpm  
**Maximum pressure:** 350 bar

**DG4V-5**  
**Size:** Cetop 5  
**Maximum flow:** 120 lpm  
**Maximum pressure:** 350 bar



### Proportional Valves (KDG4V-3/5)

Models with on-board electronics (OBE) and non-OBE, a complete size range and performance levels to meet in Industrial and Mobile applications.

**KDG4V-3**  
**Size:** Cetop 3  
**Maximum flow:** Refer performance curve  
**Max. Pressure:** 315 bar

**KDG4V-5**  
**Size:** Cetop 5  
**Maximum flow:** Refer performance curve  
**Max. Pressure:** 315 bar



### Cartridge Valves (RV5)

While offering the same control functions as traditional hydraulic valves, screw-in cartridge valves are compact, reliable, and economical.

**Relief valve:** RV-5  
**Maximum flow:** 114 LPM  
**Maximum pressure:** 350 bar



# ViPak® Hydraulic Power Units

## Your partner for **engineering excellence**

Regardless of complexity, from the specification stage, through commissioning and beyond, we are uniquely positioned to support each project throughout the life of the installation.

### **Fully customized Hydraulic Power Units and Turn-key Projects**

Not finding your HPU solution from the standard options? No problem. Danfoss Application & Commercial Engineering is available to help design, manufacture, install and commission highly customized and complex HPUs.

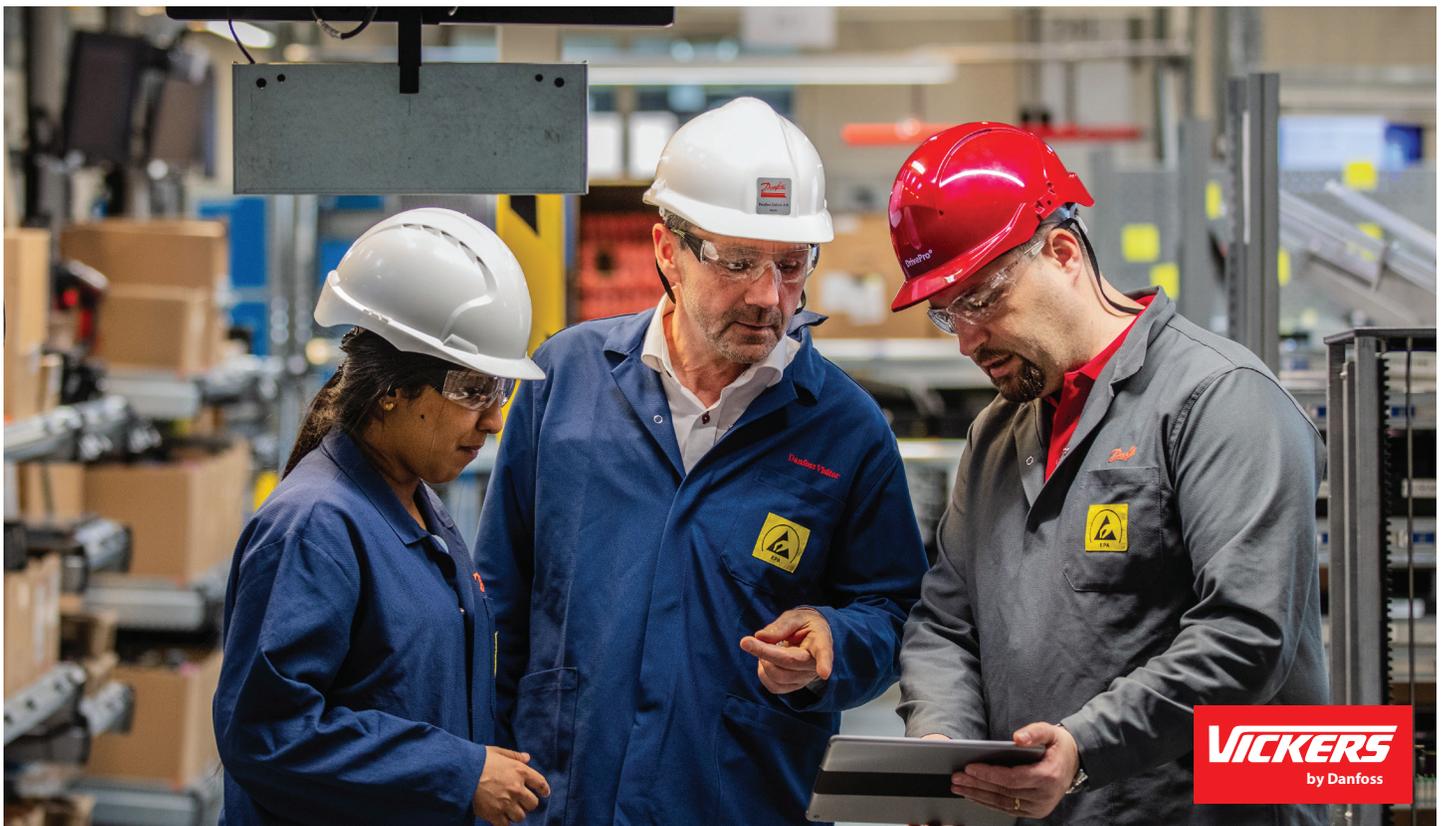
Combined with our capability to also integrate electrification and automation scope, as well as SW development and programming through experienced Danfoss' in-house resources, we can offer you the turn-key solution you need.

Utilizing an Engineer-to-Order process, we ensure despite the dynamics of a project business, a robust change management so specifications as well as cost always stay within the agreed limits and delivery happens on time.

### **Service throughout the entire project lifetime**

From quotation to after sales service, the Danfoss global network of experts supports you with a variety of services:

- Expertise in regional requirements and compliance
- On-site project management, repair and field service
- Danfoss warranty support and execution





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