


Danfoss FCD-302 Decentral Drives



Danfoss FCD-302 Decentral Drives Instructions

[Home](#) » [Danfoss](#) » Danfoss FCD-302 Decentral Drives Instructions 

Contents

- [1 Danfoss FCD-302 Decentral Drives](#)
- [2 Product Usage Instructions](#)
- [3 Usage Instructions](#)
- [4 Savings in installation process](#)
- [5 Streamlined hygienic design](#)
- [6 Documents / Resources](#)
 - [6.1 References](#)
- [7 Related Posts](#)



Danfoss FCD-302 Decentral Drives



Specifications

- **Product Name:** Decentral Drives FCD 302
- **Manufacturer:** Danfoss
- **Model:** FCD 302
- **Website:** danfoss.com/flexconcept

Product Usage Instructions

Savings in the Installation Process

- The Decentral Drives FCD 302 offers additional digital and analog I/O, allowing for the integration of field sensors without significant extra cost.
This feature results in savings in time, labor, and installation costs for users like Fairlife.

Everyone is a Winner

- Danfoss NAM's PUSH / PULL strategy benefits both equipment builders like Descon Conveyor Systems and end-users such as Fairlife, providing cost savings and efficiency improvements.

Streamlined Hygienic Design

- The FCD 302 features a hygienic design that ensures efficient and clean operation, making it suitable for food and beverage applications.
- For more information, contact Brian Kelly, the Global Key Account Manager at Danfoss.

FAQ

Q: Can the Decentral Drives FCD 302 be used in other industries apart from food and beverage?

A: While the FCD 302 is designed with a focus on food and beverage applications, its versatility and features make it suitable for various industries that require decentralized drive solutions.

Usage Instructions

The first packaging lines – and the next

- Danfoss North America (NAM) sales team has delivered the first VLT® FlexConcept® solution in North America.
- Fairlife has built a new dairy production facility in Coopersville, Michigan. The new site will begin production of a milk protein drink called Fairlife and Core Power.



- Danfoss NAM has supplied a VLT® FlexConcept® solution for three packaging lines at the Coopersville facility. Each line uses approximately 60 pieces of the VLT® OneGearDrive® and the VLT® Decentral Drive FCD 302 respectively.

Everyone is a winner

- To secure these packaging lines, Danfoss NAM utilized a Danfoss Food & Beverage PUSH / PULL strategy, providing savings to both the equipment builder Descon Conveyor Systems, and the end user Fairlife.

Savings in installation process

- Jeff Philpott, Descon Conveyor Systems: “The VLT® Decentral Drive FCD 302 has saved Descon time and money, for we can utilize the I/O connection of the FCD 302 and reduce analog I/O block. Node connectivity is very expensive. Any additional Ethernet switches and I/O blocks add so much more cost, more wiring, and more time to install.”
- The additional digital and analog I/O provided by Decentral Drives FCD 302 offers Descon and our customers the ability to add field sensors without adding major costs.
- Alternative suppliers did not support this feature”, explains Jeff Philpott, and elaborates on the cost savings achieved: Descon is confident that we can deliver major savings for Fairlife in time, labor, and installation costs.
- With the FCD 302 decentral solution, costs are minimized for local electrical contractors.”



- The Danfoss VLT® FlexCon-cept® solution provided a competitive advantage over our rivals.
- The hygienic design of the VLT® OneGear-Drive®, paired with the VLT® Decentral Drive FCD 302, pushes Descon Conveyor Systems ahead of our competition technically.

Jeff Philpott

Applications Group Manager Descon Conveyor Systems

Streamlined hygienic design


- Fairlife Maintenance Manager Robert Cunningham was highly impressed with the clean, hygienic design of the VLT® FlexConcept® solution: The VLT® OneGearDrive® has no fan or bleeder valve, which is ideal for our dairy plant.”
- Danfoss VLT® FlexConcept® offers a second advantage for Fairlife: the very limited number of spare parts required for the plant.
- Descon Conveyor Systems only required three VLT® OneGearDrive® variants and two Decentral Drives FCD 302 variants for all three bottling lines.
- Many thanks for the excellent local support given to Descon Conveyor Systems by our sales partner Davis Controls.
- Davis was instrumental in securing this project order.



For more information, contact:

- Brian Kelly
 - Global Key Account Manager
 - Food & Beverage
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 - Danfoss VLT Drives
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Documents / Resources

	Danfoss FCD-302 Decentral Drives [pdf] Instructions FCD-302 Decentral Drives, Decentral Drives, Drives
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References

- [User Manual](#)

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