

Since 1968 Danfoss Drives has been dedicated to developing VLT variable frequency drives to control speed, torque, acceleration, synchronization, positioning, and the overall performance of AC motors. The reliable and innovative VLT® drives are designed to support any automation application and provide major energy savings.



**The VLT FlexConcept provides system manufacturers and end-users with fully integrated drive solutions. Making sure you are able to realize maximum efficiency and cost reductions.**

The VLT FlexConcept from Danfoss is available for centralized or decentralized application in wet, dry, or aseptic-critical areas. It allows for significantly lower costs of ownership by reducing the cost associated with storing, stocking and maintaining spare parts and by reducing the overall number of variants in the plant by up to 70%.

The VLT FlexConcept supports AC or PM motors for simple or dynamic applications, and can operate open- or closed-loop. The

system's consistent parameter structure and operation reduces training needs and simplifies setup and operation across applications. The system provides up to 90% energy-efficient operation, reducing ownership costs by up to 25% when compared with conventional systems.

The system architecture of the VLT FlexConcept allows users to meet the demands of system development for new applications or as the basis for a retrofit solution. This flexibility eliminates dependence on multiple suppliers while maximizing system efficiency and control flexibility.

The VLT FlexConcept utilizes a one-motor & enclosure size concept that limits the number of variants required. With fewer variants, the VLT FlexConcept simplifies installation, project planning, commissioning, and maintenance, particularly in conveyor applications. In short, it is an optimized solution resulting in a lower cost of ownership.

The VLT FlexConcept consists of the VLT OneGearDrive, the VLT Decentral Drive FCD 302, and the VLT AutomationDrive FC 302. The OneGearDrive features a smooth, crevice-free design with no place for food contamination to hide. Additionally, each component features a durable coating that withstands even the harshest wash-down processes and cleaning chemicals. All enclosures are designed to IP66/67 and IP69K, and satisfy DIN 1672-2 hygienic design standards.

Click [here](#) to download PDF datasheet.

**Click [here](#) to contact a Davis Controls Product Specialist for more info or to place an order.**

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