



VLT® Soft Starter MCD500

The MCD 500 is a total motor starter providing all the best in soft starter functionality. It offers the most advanced functionality and protection of motor and application.

- 21 – 1600 A, 7,5 – 800 kW
(1.2 MW inside Delta Connection)
- Versions for 200 – 690 VAC



VLT® Compact Starter MCD200

The MCD 200 is a compact and cost effective soft starter range for applications where direct-on-line starting is undesirable. MCD 200 is due to its size and functionality a good alternative to other reduced voltage starting methods such as start/delta starters.

- Versions for 200-575 VAC, 7.5 -110 kW. Max.200A
- Voltage ramps or current limit ramp soft start
- Build-in motor protection
- Compact design with internal bypass system for minimum power loss
- Add modules for remote operational and serial communication



VLT® Advanced Harmonic Filter AHF

Advanced Harmonic Filters have been specially designed to match the Danfoss frequency converters. The solution is available in two variants, AHF 005 and AHF 010, connected in front of a Danfoss frequency converter, the harmonic current distortion generated back to the mains is reduced to 5% and 10% Total Harmonic Current Distortion at full load.

Power range

3 x 400 –500V190 – 400 A

3 x 380 –690 V10 – 400 A*

* Higher rating when connected in parallel



12-pulse VLT® Drive

A robust and cost effective harmonic solution for the higher power range. The Danfoss VLT® 12-pulse drive offers reduced harmonics for demanding industry applications above 250 kW. The VLT® 12-pulse is a high efficiency variable frequency converter which is built to the same modular design as the popular 6-pulse VLT® drives.

Power range

3 x 380 –690 V250 –1200 kW (FC 302)

3 x 380 –690 V315 –1400 kW (FC 102, FC 202)



VLT® Advanced Active Filter AAF 006

A flexible and adaptable solution for central or de-central harmonic mitigation. Danfoss Advanced Active Filters can compensate for individual VLT® drives as a compact integrated solution or can be installed as a compact stand-alone solution at a point of common coupling, compensating for multiple loads simultaneously. Danfoss Active Filters can operate at medium voltage level by means of a step-down transformer.

Power range

3 x 380 –690 V10 – 480 A

3 x 380 –480 V190 – 400 A