

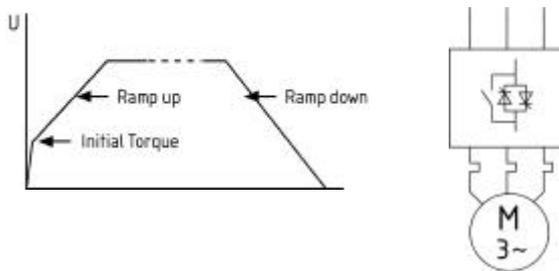
VLT® Compact Starter MCD 200



VLT® Compact Starter MCD 200 from Danfoss include two families of soft starters in the power range from 7,5 – 110 kW.

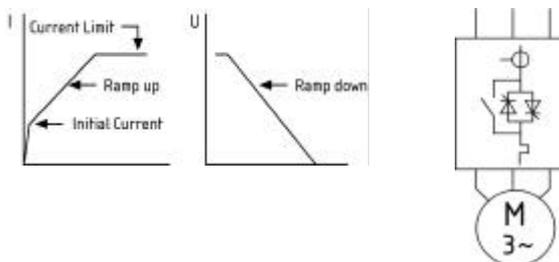
MCD 201

MCD 201 provides soft start and soft stop functionality



MCD 202

MCD 202 provides enhanced soft start functionality and various motor protection features



Applications

Pumps, Fans, Compressors, Mixers, Conveyors etc.

Approvals

CE, UL, C-UL, CCC, C-tick

Benefits

- Small footprint and compact size saves panel space
- Easy to install and use
- Built-in bypass minimizes installation cost and eliminates power loss
- Superior standard and heavy duty ratings
- Essential motor protections (MCD 202) reduce overall project investment
- Advanced accessories allow enhanced functionality

Features

- Power ratings up to 110 kW
- Easy DIN rail mounting for sizes up to 30 kW
- 2-wire or 3-wire start/stop control
- Excellent starting duty – $4x I_c$ for 6 seconds
Heavy starting ratings at $4x I_c$ for 20 seconds
- Compatible with grounded delta power systems
- Optional
 - Remote Operator and display
With 4-20 mA analogue output proportional to motor current (MCD 202)
 - Serial communication, Modbus RTU, AS-i, Profibus and DeviceNet
 - PC-based MCD setup software

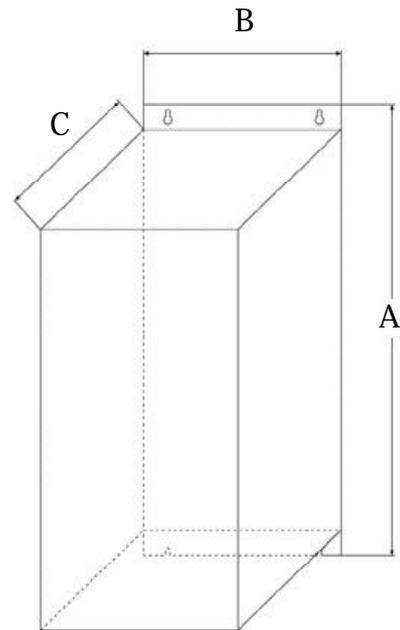
Technical Specifications

Mains Voltage	3 x 200 – 440 V AC or 3 x 200 – 575 V AC
Mains Frequency	45 Hz to 66 Hz
Control Voltage	100 – 240 V AC, 380 – 440 V AC or 24 V AC / 24 V DC
Power Range	7,5 – 110 kW @ 400 V AC
Control Inputs	Start, Stop Reset push-button on the unit
Relay Outputs	1 x Main contactor 1 x Programmable * (Trip or Run)
Protections	Motor thermistor input* Motor temperature – thermal model * Phase imbalance * Phase sequence * Excess start time * Supply fault Shorted SCR
LED Indications	Ready / Fault Run
Enclosure	IP 20, IP 00 (based on frame size)
Ambient operating temperature	- 5 to 60 °C (above 40 °C with derating)

* MCD 202 only

Dimensions

Power Size – kW (nominal at 400 V AC)	(A) Height mm	(B) Width mm	(C) Depth mm
7 - 30	203	98	163
37 - 55	215	145	191
75 - 110	240	202	212



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