

VLT® Compact Starter MCD 200



VLT® Compact Starter MCD 200 from Danfoss includes two families of soft starters in the power range from 7.5–110 kW.

The series offer easy DIN rail mounting for sizes up to 30 kW, 2-wire or 3-wire start/stop control and excellent starting duty ($4 \times I_L$ for 6 seconds).

Heavy starting ratings at $4 \times I_L$ for 20 seconds.

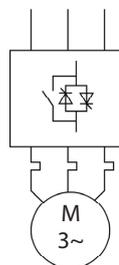
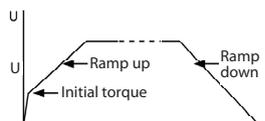
Compatible with grounded delta power systems.

The perfect match for:

- Pumps
- Fans
- Compressors
- Mixers
- Conveyors
- and many more

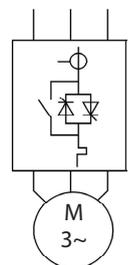
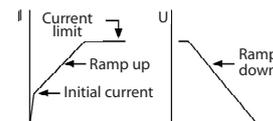
Power range:
7.5–110 kW

MCD 201



MCD 202

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



Features	Benefits
<ul style="list-style-type: none"> • Small footprint and compact size • Built-in bypass • Advanced accessories • Internal delta wiring kit 	<ul style="list-style-type: none"> • Saves panel space • Minimises installation cost and eliminates power loss • Allows enhanced functionality • The soft starter carries only phase current, and can therefore control a motor with greater full load current
<p>Reliable</p> <ul style="list-style-type: none"> • Essential motor protections (MCD 202) • Pass word protection of parameters • Max. ambient temperature 50°C without derating 	<p>– Maximum up-time</p> <ul style="list-style-type: none"> • Reduces overall project investment • Prevents unauthorized changes • No external cooling or oversizing necessary
<p>User-friendly</p> <ul style="list-style-type: none"> • Easy to install and use • Easy DIN rail mounting for sizes up to 30 kW 	<p>– Save commissioning and operating cost</p> <ul style="list-style-type: none"> • • Saves time and space

Soft Starter for motors up to 110 kW

- Total motor starting solution
- Start, stop and protection features
- Local programming keypad and display

Optional:

- Modules for serial communication
- Remote operator kit
- PC software
- Pump application module



Remote operator kit

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 set-up software.

Specifications

Mains supply (I1, L2, L3)	
Supply voltage	3 x 200 VAC – 440 VAC or 3 x 200 – 575 VAC
Supply frequency	45 – 66 Hz
Control voltage	100 – 240 VAC 380 – 440 VAC 24 VDC/24 VAC
Control inputs	
Control inputs	Start, Stop Reset upsh button on the unit
Relay outputs	
Relay outputs	1 x main contactor 1 x programmable* (Trip or Run)
Protections, MCD 201	
	Phase sequence Supply fault Shorted SCR
Protections, MCD 202	
	Motor thermistor input Motor temperature – thermal model Phase imbalance Phase sequence Excess start time Supply fault Shorted SCR
LED indications	
Indications	Ready/Fault Run
Ambient operating temperature	
Ambient temperature	-5 to 60°C (above 40°C without derating)
Standards approvals	
Approvals	CE, UL, C-UL, CCC, C-tick



Cabinet sizes

Power range (400V)	7–30 kW	37–55 kW	75–110 kW
Height [mm]	190	200	232
Width [mm]	96	140	280
Depth [mm]	152	176	TBA