

The VLT® HVAC Drive now range up to 1.2 MW

The VLT® HVAC Drive now range up to 1.2 MW and comes in the voltage ranges up to 690 V.

VLT® HVAC Drives are built on the same common control platform as other VLT® Drives - if you know one drive, you know them all. The latest "next generation" technology has been applied resulting in the highest efficiency on the market - higher than 98 %. At 400 V, the drives provide 500 to 1000 kW. At 690 V they provide 710 kW to 1200 kW - at normal overload.

IP 21 and IP 54

The new drives come in the enclosure classes IP21 (NEMA and UL Type 1) and IP54 (NEMA and UL Type 12).

Low risk drives

Built-in DC Link Reactors ensures a low level of harmonic disturbances compared to other high power drives. PCB's are conformal coated per IEC 60721-3-3, class 3C3 (standard on VLT® all High Power drives) Class A2 RFI filters are standard, and Class A1 filters optional for the 380-480V platform.

Innovative cooling

The innovative back-channel cooling in the HVAC series is consistent with other VLT® high-power drive series.

Built in options

Several options are factory integrated, such as fuses, mains switch/disconnect, contactors, circuit breaker, cabinet light & outlet, space heaters & thermostat, door interlocks,

manual motor starters, auxiliary low voltage power supply, integrated emergency stop pushbutton, and external temperature monitoring.

Supported by VLT® software

The high power HVAC drives are supported by the VLT® Setup Software MCT 10 and the VLT® Harmonics Calculation Software MCT 31.



| FC 102 | kW | 380 – 480 V | | | | 525 – 690 V | | | |
|--------|------|-------------|--------|-------|-------|-------------|-------|-------|-------|
| | | Amp. | | IP 21 | IP 54 | Amp. | | IP 21 | IP 54 |
| | | <440 V | >440 V | | | 550 V | 690 V | | |
| P500 | 500 | 880 | 780 | | | | | | |
| P560 | 560 | 990 | 890 | F1/F3 | F1/F3 | | | | |
| P630 | 630 | 1120 | 1050 | | | | | | |
| P710 | 710 | 1260 | 1160 | | | 763 | 730 | | |
| P800 | 800 | 1460 | 1380 | F2/F4 | F2/F4 | 889 | 850 | F1/F3 | F1/F3 |
| P900 | 900 | | | | | 988 | 945 | | |
| P1M0 | 1000 | 1720 | 1530 | F2/F4 | F2/F4 | 1108 | 1060 | F2/F4 | F2/F4 |
| P1M2 | 1200 | | | | | 1317 | 1260 | | |

F3 and F4 are F1 and F2 frames with options cabinets

Dimensions [mm]

| | F1 | F2 | F3 | F4 |
|---|------|------|------|------|
| H | 2204 | | | |
| W | 1400 | 1800 | 2000 | 2400 |
| D | 606 | | | |