



# Instruction for exchange of a Power Card VLT® Frequency converters

type 5001-5052, 200-240 V/5001-5050, 380-500 V

type 6002-6062, 200-240 V/6002-6275, 380-460 V

type 6016-6062, 575 V



**■ Instruction**

This power card can be used for Standard, Standard with brake chopper and Extended with brake chopper and HVAC drives in the same power range. Therefore the following programming is necessary.

After the exchange of the power card the VLT automatically starts in SERVICE MODE after power up.

All 11 questions in the display of the SERVICE MODE must be answered. Please see enclosure.

# Sparepart Service Mode data for VLT® 5000/6000 HVAC

Menu Parameter <sup>1</sup>	Value (Where to find) <sup>2</sup>	Notes <sup>3 4</sup>
00 BRAND	1: Danfoss 2: Bauer 3: Brook Hansen 4: Neutral brand	Possible to change brand, meaning brand specific texts.
01 VLT SALES NUMBER	Red label on VLT	Possible to change x in 17??xxxx
02 POWER SECTION	Red label on VLT <b>Only VLT 5000</b>	Select type: STANDARD STANDARD WITH BRAKE EXTENDED WITH BRAKE
03 ENCLOSURE TYPE	Look on VLT	Select type: BOOKSTYLE COMPACT IP54 (Compact)
04 ENCAPSULATION IP	Red label on VLT	Select type: IP00 IP20 IP54
05 ENCAPSULAT. NEMA	Red label on VLT	Select type: CHASSIS NEMA 1 NEMA 12
06 RFI FILTER	VLT 5001-11: Then RFI CLASS B1 <u>VLT 5016-52+VLT6000 with RFI</u> : Then RFI CLASS B1 else NONE	Select type: NONE (No built-in RFI filter) RFI CLASS A1 RFI CLASS B1
07 FAN TYPE	VLT 5000 + VLT 6000: Then ON-OFF CONTROL	Select type: NO FAN ON-OFF CONTROL PWM CONTROL
08 BRAKE TYPE	If (VLT 5000) <u>with Brake</u> : Then WITH SHORT PROTECT else NONE	Select type: NONE (No brake function in drive) WITH SHORT PROTECT
09 EXTERNAL 24V	If (VLT 5000) <u>extended</u> : Then YES else NO	Select type: NO (No external 24V in drive) YES (With 24V external supply)
10 FAST DISCHARGE	If (VLT 5000) <u>extended</u> : Then YES else NO	Select type: NO (No fast discharge possible) YES (With fast discharge)
11 LOAD SHARING TYPE	If (VLT 5000) <u>extended</u> : Then TYPE 5 else NONE	Select type: NONE (No load sharing possible) TYPE 5 (With load sharing between rectifier and DC-coils. Inrush after load sharing. 2 coils)

<sup>1</sup> Menu parameter after a power-up (only the first time) with a sparepart power card.

To re-start Service Mode push [QUICK MENU] + [CANCEL] + [<] at power-up.

<sup>2</sup> Value as it is today (POWER UNIT DB ID, par. 627 = 1,31), which may change!

<sup>3</sup> In the Design Guide for VLT 5000, the values for menu parameter 01, 02, 03, 04, 05 and 06 can be found.

<sup>4</sup> Only the most used Select types are shown.



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