



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

type 4002-4032, 200-240 V/4002-4072, 380-460 V, 600 V

type 5001-5027, 200-240 V/5001-5062, 380-500 V, 600 V

type 6002-6032, 200-240 V/6002-6072, 380-460 V, 600 V

type 8002-8032, 200-240 V/8002-8072, 380-460 V, 600 V



### ■ Instruction

This power card can be used for Standard, Standard with brake chopper. 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® 4000/5000/6000 HVAC/8000 AQUA**

Menu Parameter <sup>1</sup>	Value (Where to find) <sup>2</sup>	Notes <sup>3 4</sup>
<b>00 BRAND</b>	1: Danfoss 2: Bauer 3: Brook Hansen 4: Neutral brand	Possible to change brand, meaning brand specific texts.
<b>01 VLT SALES NUMBER</b>	Red label on VLT	Possible to change x in 17??xxxx
<b>02 POWER SECTION</b>	Red label on VLT <b>Only VLT 5000</b>	Select type: STANDARD STANDARD WITH BRAKE EXTENDED WITH BRAKE
<b>03 ENCLOSURE TYPE</b>	Look on VLT	Select type: BOOKSTYLE COMPACT IP54 (Compact)
<b>04 ENCAPSULATION IP</b>	Red label on VLT	Select type: IP00 IP20 IP54
<b>05 ENCAPSULAT. NEMA</b>	Red label on VLT	Select type: CHASSIS NEMA 1 NEMA 12
<b>06 RFI FILTER</b>	<u>VLT 5001-11</u> : Then RFI CLASS B1 <u>VLT 5016-62+VLT6000 with RFI</u> : Then RFI CLASS B1 else NONE	Select type: NONE (No built-in RFI filter) RFI CLASS A1 RFI CLASS B1
<b>07 FAN TYPE</b>	<u>VLT 5000 + VLT 6000</u> : Then ON-OFF CONTROL	Select type: NO FAN ON-OFF CONTROL PWM CONTROL
<b>08 BRAKE TYPE</b>	If (VLT 5000) <u>with Brake</u> : Then WITH SHORT PROTECT else NONE	Select type: NONE (No brake function in drive) WITH SHORT PROTECT
<b>09 EXTERNAL 24V</b>	If (VLT 5000) <u>extended</u> : Then YES else NO	Select type: NO (No external 24V in drive) YES (With 24V external supply)
<b>10 FAST DISCHARGE</b>	If (VLT 5000) <u>extended</u> : Then YES else NO	Select type: NO (No fast discharge possible) YES (With fast discharge)
<b>11 LOAD SHARING TYPE</b>	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.

