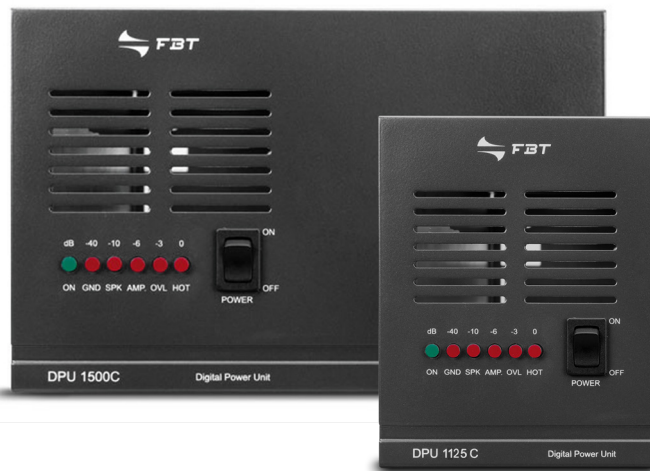


## Class D Modular Amplifiers

### DESCRIPTION

Careful design and a choice of reliable high-tech components led to the creation of this range of extremely compact Class D amplifiers, capable of functioning even in the toughest conditions and with minimum energy consumption. They include a diagnostics board which permits easy and rapid testing of the correct unit operation and checking the loud-speaker's line integrity. The double output circuit with separate control (A and B) allows for the realization of redundant line plants. In case of a short circuit on one of the two output lines, the damaged line will automatically be disconnected to allow the regular operation of the other one. The CHA 1004 (Code 37711) power card-cage enables amplifier units to be installed in a standard 19" rack. Each cage can accommodate up to 4 amplifiers DPU 1125C and/or DPU 1250C or up to 2 amplifiers DPU 1500C. The DPU amplifiers have been designed to be used with the VAIE 2250 system; they can allow the development of high-power zones when connected to the controller VAC 2006 through a shielded CAT5 SFTP cable. A maximum of 16 DPU units can be connected to each of the six VAC 2006 output lines (zones); a backup amplifier for each group can be set. The independent power supply of each amplifier makes this system really reliable and fully compliant with safety standards.



EN 54-16:2008

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Cert. Nr. 0068-CPR-001/2014

Declaration of Performance (DoP)  
available on the website: [www.fbt.it](http://www.fbt.it)

### TECHNICAL SPECIFICATIONS

GENERAL	DPU 1125C	DPU 1250C	DPU 1500C
Code	37724	37725	37726
Rated power @230Vac / 27Vdc	125W RMS D 3%	250W RMS D 3%	500W RMS D 2,5%
Power outputs	100V a/B	100V a/B	100V a/B
Distorsion @230Vac @Pnom / 100	< 0.05%	< 0.05%	< 0.05%

### INPUTS & OUTPUTS (AUDIO 1 - AUDIO 2)

Sensitivity	770mV	770mV	770mV
S/N Ratio (20 ÷ 20kHz)	90dB	90dB	85dB
S/N Ratio (A)	93dB	93dB	88dB
Frequency response	90Hz ± 10Hz + 20kHz ± 1kHz	90Hz ± 10Hz + 18kHz ± 1kHz	90Hz ± 10Hz + 18kHz ± 1kHz
LOW CUT filter (-3dB)	330	330	330

### POWER SUPPLY

Mains power supply Max consumption at RMS rated power	230Vca 50/60Hz ±10% 195W	230Vca 50/60Hz ±10% 410W	230Vca 50/60Hz ±10% 740W
Secondary power supply @24Vdc Max consumption @24Vdc (@28Vdc)	24Vcc (22+28V) 4,4A (5,2 A)	24Vcc (22+28V) 7,6A (9,4 A)	24Vcc (22+28V) 16,3A (18,9A)

### MECHANICAL SPECIFICATIONS

Operating / Storage Temperature	-10°C + +45°C / -40° C + +70°C	-10°C + +45°C / -40° C + +70°C	-10°C + +45°C / -40° C + +70°C
Relative humidity	< 95%	< 95%	< 95%
Net dimensions (WxHxD)	101 x 133 x 395mm 3.98 x 5.24 x 15.55inch	101 x 133 x 395mm 3.98 x 5.24 x 15.55inch	202 x 133 x 395mm 7.95 x 5.24 x 15.55inch
Net weight	8.20 kg 18.07 lb	8.80 kg 19.40 lb	14.60 kg 32.18 lb

## CONNECTION PANEL

