



# DA07

## Power Amplifier

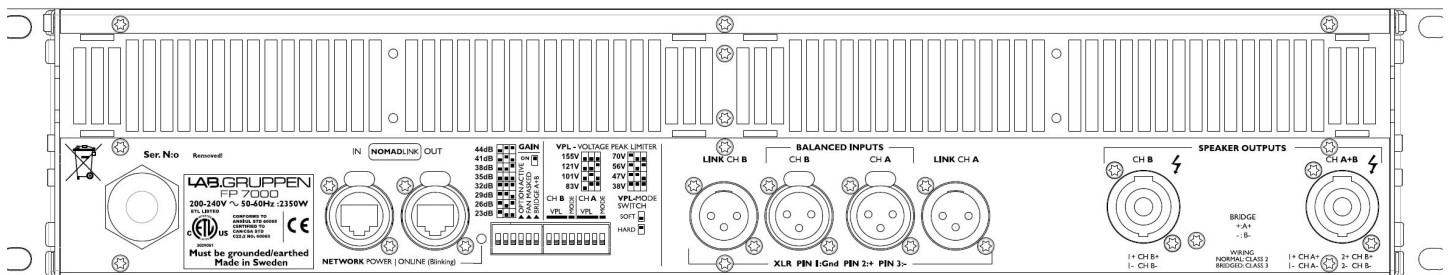
### Technical Specifications



With massive output capability for Procella's reference high-output subwoofers, the DA07 power amplifier is the ultimate power source for the V18, P18, and V6 subwoofers.

This high-efficiency two-channel class-D amplifier combines extraordinary sound quality with enormous power reserves to produce utterly transparent sound with effortless dynamic range and robust low-frequency impact. In a 2RU chassis, it's ability to deliver nearly 3,000 Watts for the reproduction of low frequencies ensures maximum performance with Procella's industry-leading flagship subwoofer models.

- Benchmark power density – The DA07 delivers a total of 2,900 W (2 x 1,450 W @ 8 ohms) in only 2U.
- Procella/Lab.gruppen sound quality – impeccable sonic performance with high reliability and efficiency
- Bridgeable to produce up to 3,500 W at 4 ohms
- Patented Class TD amplifier topology – Pro Audio-proven output stage delivers Class B audio quality with Class D efficiency
- Regulated Switch Mode Power Supply (R.SMPS) – Output power remains constant even with significant drops in the mains voltage
- Efficient cooling system - Unique, lightweight Intercooler copper cooling system dissipates more heat to allow continuous operation even under extreme playback conditions
- Adjustable parameters - Selectable Gain, scalable Voltage Peak Limiter (VPL), and bridge-mode operation allow custom configuration for any application
- Comprehensive protection and warning – Excessive output current, DC, high temperature, very high frequency (VHF), short circuit, open load, mains fuse protection, and soft start
- XLR input connectors
- Speakon output connectors
- Fully certified: CE, ANSI/UL 60065, CSA C22.2 No. 60065, FCC
- Universal power supply: 100 -265V at 50 or 60 Hz
- Compact and lightweight - 2 RU high and 12 Kg / 26.4 lbs.



## SPECIFICATIONS

### General

Number of channels	2
Peak total output power all channels driven	7,000 W
Peak output voltage per channel	155 V
Max output current per channel	59 A peak

### Max. Output Power (per ch., all ch.'s driven)

2 ohms	3,500 W
4 ohms	2,800 W
8 ohms	1,450 W
16 ohms	730 W

### Max. Output Power Bridged

4 ohms	7000 W
8 ohms	5600 W
16 ohms	2900 W

### Performance

THD+N 20 Hz - 20 kHz @ 1 W	<0.1%
THD+N @ 1 kHz, 1 dB below clipping	<0.05%
Signal To Noise Ratio	>112 dBA
Channel separation @ 1 kHz	>70 dB
Frequency response (1 W, 8 ohms) +/-3 dB	6.8 Hz - 34 kHz
Output impedance @ 100 Hz	19 mOhm

### Gain, Sensitivity and Limiters

VPL, selectable per ch	155, 121, 101, 83, 70, 56, 47, 38 V
Voltage Peak Limiter mode (per ch.)	Hard / Soft
Amplifier gain selectable (all channels)	23, 26, 29, 32, 35, 38, 41, 44 dB
Default gain	35 dB
Level adjustment (per channel)	Front-panel potentiometer, 31 position

### Connectors and Buttons

Output connectors (per ch.)	Neutrik speakON
Input connectors (per ch.)	3-pin XLR, electronically balanced
NomadLink network	On board, 2 x RJ45 connectors IN and OUT
Intelligent fans (on/off)	Yes, depending on presence of output signal
Power on/off and Remote enable on/off	Individual switches on front-panel
Cooling	Dual fan, front to rear, temp. controlled speed

### Mains power

Operating voltage, 230 V / 115 V nominal	130 - 265 V / 65-135 V
Minimum power-up voltage 230 V / 115 V	171 V / 85 V
Power Average Limiter (PAL)	Yes
Soft-start / Inrush Current Draw	230 V CE: 16 A, CEE7; 115 V ETL: 30 A Twist lock

### Physical

Dimensions W x H	W: 483 mm (19" ), H: 44 mm (2 U), D: 396 mm (15.6")
Weight	12 kg (26.4 lbs)
Finish	Black painted steel chassis with black