



DX700

BUILT-IN AMPLIFIER

Application:

Built-in amplifier for full range speaker systems.

Versions of amplifiers:

for 4 Ohms speaker impedance – DX700-4

for 8 Ohms speaker impedance – DX700-8



DX-Series Built-in Amplifiers for PA Speaker Systems

- D class power amplifier
- Switching power supply
- Power factor corrector (optional)
- Forced cooling system
- Detachable power cord
- High pass filter
- Adjustable high pass filter
- Parametric frequency response corrector
- Optoelectronic Clip-limiter
- Line input - XLR
- Line output (parallel to line input) – XLR
- Input signal level control
- High pass filter cutoff frequency control
- Input signal polarity switch
- Overload and short circuit protection
- DC speaker protection
- High frequency speaker protection
- Thermal protection
- Soft signal start

Power Rating *:

- DX700-4 **700/380 W** (4/8 Ohms)
- DX700-8 **700 W** (8 Ohms)

Frequency Range ** **45 Hz – 20 kHz**

Total Harmonic Distortions **<0.05 %**

Slew Rate **20 V/μs**

Damping Factor **200** (200 Hz, 8 Ohms)

Signal-to-Noise Ratio **98 dB** (unweighted)

Sensitivity ** **775 mV**

High Pass Filter Cutoff Frequency ** **45 Hz, 24 dB/octave**

High Pass Filter Adjustment Range **28 - 250 Hz, 12 dB/octave**

Power Requirements **~230 V, 50/60 Hz**

Weight:

- DX700 **3.8 kg**
- DX700 PFC **4.1 kg**

Dimensions **198 mm x 408 mm x 104 mm**

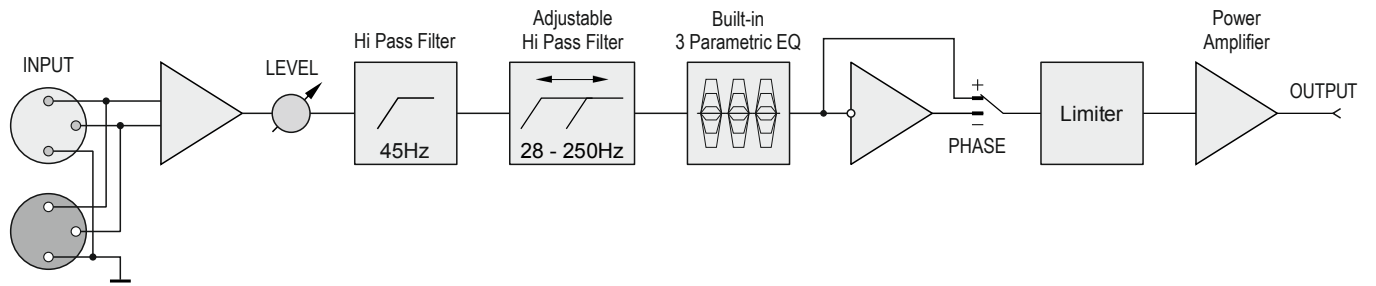
Note.

* For mains voltage:

- ~230 V for amps without PFC;
- ~160-280 V for amps with PFC.

** Basic model.

AMPLIFIER BLOCK DIAGRAM



MECHANICAL DRAWING

