



DX1400

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

BUILT-IN AMPLIFIER

Application:

Built-in amplifier for full range speaker systems.

Versions of amplifiers:

for 4 Ohms speaker impedance – DX1400-4

for 8 Ohms speaker impedance – DX1400-8

Power Rating *:

- DX1400-4 **1400/300 W** (4/8 Ohms)
- DX1400-8 **1400 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:

- DX1400 **4 kg**
- DX1400 PFC **4.3 kg**

Dimensions

198 mm x 408 mm x 104 mm

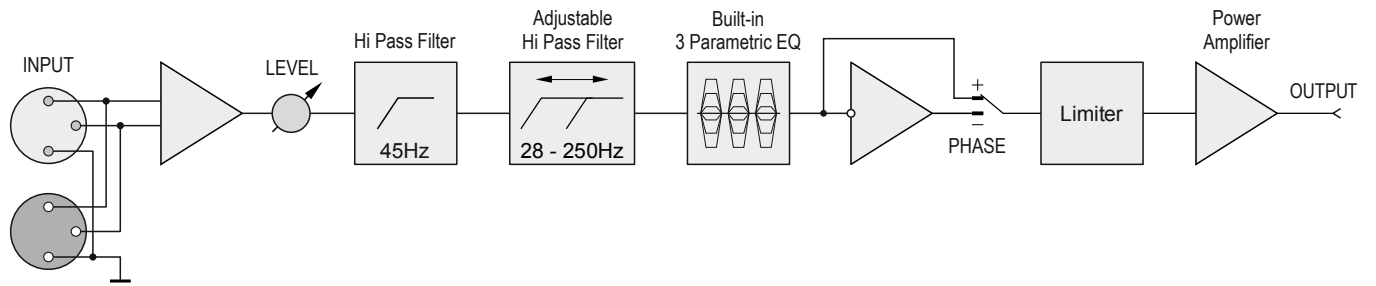
Note.

* For mains voltage:

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

** Basic model.

AMPLIFIER BLOCK DIAGRAM



MECHANICAL DRAWING

