



DX2000

DX-Series Built-in Amplifiers for PA Speaker Systems



- D class power amplifier
- Switching power supply
- Power factor corrector
- 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 – DX2000-4

for 8 Ohms speaker impedance – DX2000-8

Power Rating:

– DX2000-4 **2000/1000 W** (4/8 Ohms)

– DX2000-8 **2000 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 **~160 - 280 V, 50/60 Hz**

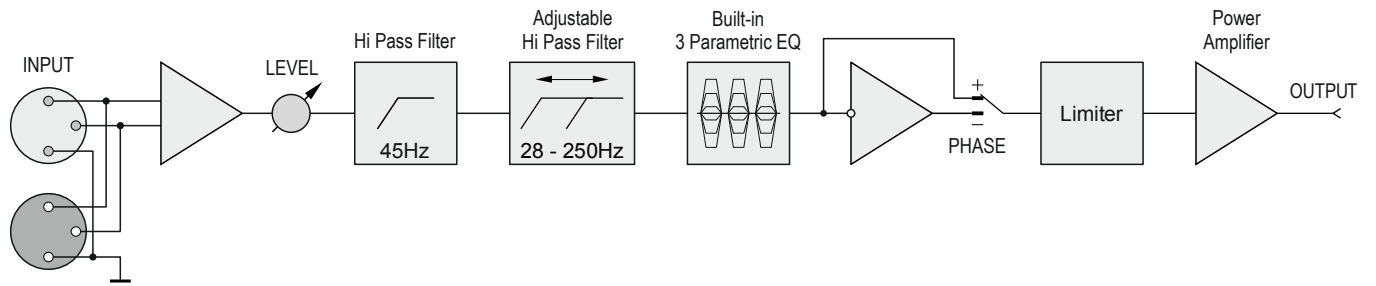
Weight **4.3 kg**

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

Note.

*Basic model.

AMPLIFIER BLOCK DIAGRAM



MECHANICAL DRAWING

