

ARCHITECTS SPECIFICATIONS

CFT-1800

The power amplifier, being of two channels, shall deliver a minimum power of 200 watts RMS per channel into 8 ohm loads and 300 watts RMS per channel into 4 ohms. When switched into Bridged-Mono mode, the amplifier shall deliver a total of 600 watts RMS into 8 ohms. The amplifier shall be immune to damage from shorted, open, or mismatched loads and shall include independent thermal protection. The amplifier shall have a gain of 29 dB + .5dB per channel. Frequency response shall be 20Hz to 20kHz \pm .2dB. The amplifier shall be stable into any load, including pure capacitors and inductors. Hum and noise shall be at least 100dB below full output and SMPTE intermodulation distortion shall be less than .02% at full output. The amplifier shall have rear panel switching for mono or stereo and bridging modes. The inputs shall be of balanced bridging type, with 1/4" phone, XLR, and barrier strip connections being

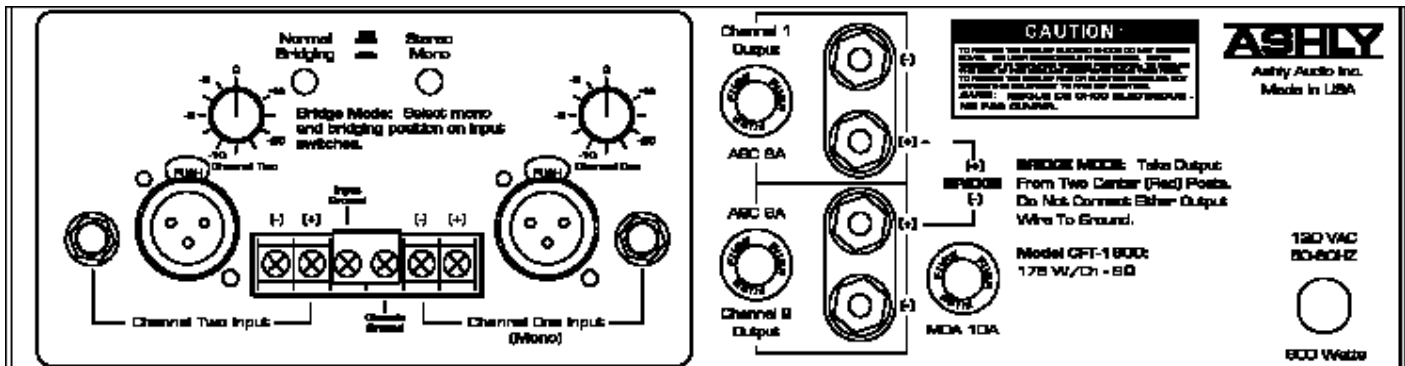
located on the rear panel of the unit as standard features. A separate attenuator control for each channel shall also be located on the rear panel. There shall be a three-color L.E.D. meter indicator for each channel on the front panel of the amplifier to indicate signal level. For use in other countries, the unit shall also be available as a 240VAC model. The unit shall be two rack spaces (3.5") high and no more than 15.5" deep. The amplifier must be convection-cooled, with large, extruded aluminum heat sinks with vertically oriented fins located on each side of the unit. The shipping weight of the unit shall be 40 pounds. The amplifier shall be covered under a full limited warranty of not less than five years. The amplifier must be made in the USA. The amplifier shall be the model CFT-1800, manufactured by Ashly Audio, Inc. of Rochester, New York.

- U.L. Listed
- 5-Year Worry-Free Warranty
- MOS-FET Output Devices
- Class-A Full Complementary Front End
- Modular Construction
- XLR, 1/4", and Barrier Strip Inputs
- Stereo, Mono & Bridging Modes
- LED Level Meters
- Convection Cooled
- Perfect Overload and Square Wave Response
- Stable Into Any Load
- Self Protecting Under Virtually All Conditions
- Input Transformers Optionally Available
- PowerCard Input Option Ready

General Specifications CFT-1800

<i>EIA SPECIFICATION</i>	
(± 1 dB, <1% THD, 20Hz-20kHz)	
STEREO (Rated Per Channel)	
4 ohm:	300W
8 ohm:	200W
Mono Bridged:	
8 ohm:	600W
<i>FTC SPECIFICATION</i>	
(min power < .02% SMPTE IMD)	
Stereo (per channel):	
4 ohm:	275W RMS
8 ohm:	175W RMS
MONO BRIDGED:	
8 ohm:	550W RMS
Total Harmonic Distortion:	
8 ohm:	.004% 1kHz,
8 ohm:	.01% 20Hz,
8 ohm:	.05% 20Hz-20kHz
IMD (SMPTE):	.007% 8 ohm
IMD (IHF):	.01%
Damping Factor:	>250, 8 ohm, <1kHz
Bandwidth:	100kHz
Slew Rate:	50 V/ μ S
Frequency Response:	± 0.2 dB 20Hz-20kHz
Rise Time:	2 μ S 10%-90%
Full Power Input Sensitivity:	1.3V
Hum and Noise (Unweighted):	>100dB below full output
Power Requirement:	110-125VAC, 50-60Hz
Dimensions:	19"L x 3.5"H x 16"D
Shipping Weight:	40 lbs

CFT-1800 (back)



Applications

Churches, Studios, Concerts, Dance/Night Clubs, P.A Systems, Auditoriums, Lecture Halls, Sports Stadiums, Outdoor Festivals

Ashly also manufactures a complete and comprehensive line of Electronic Crossovers, Forced Air Cooled Power Amplifiers, Compressor-Limiters, Noise Gates, Graphic and Parametric Equalizers, Mixers and Amplifier Input Options. Please call or write for information on any of these Ashly Products.