APPENDIX C: MIX FX SERIES SPECIFICATIONS

Frequency Response

Mic Input to any Output (Trim at 0 dB):

+0, -1 dB.

10 Hz to 150 kHz

-3 dB.

10 Hz to 200 kHz

Distortion

THD and SMPTE IMD; 20Hz to 20kHz

Mic Input to Main Output:

< 0.005%

@ +4 dBu output

Noise

20 Hz to 20 kHz BW (150Ω source impedance) -129 dBu

Equivalent Input Noise (EIN):

Residual Output Noise:

Channel and Main Mix levels off

Main, Ctrl Room, Phones: -105 dBu

Common Mode Rejection Ratio (CMRR)

Mic In: 60 dB @ 1 kHz

Gain @ maximum

Crosstalk

Adjacent Inputs or Input to Output:

-90 dB @ 1 kHz

Input Gain Control Range

0 dB to +50 dB

Phantom Power

+48 VDC

Equalization

Mix.220FX:

High ±15 dB @ 12 kHz Mid ±15 dB @ 2.5 kHz ±15 dB @ 80 Hz Low

Mix.260FX (Mono Channels):

±15 dB @ 12 kHz High ±15 dB, sweepable Mid from 100 Hz to 8 kHz ±15 dB @ 80 Hz

Low Mix.260FX (Stereo Channels):

±15 dB @ 12 kHz High Mid ±15 dB @ 3 kHz Mid ±15 dB @ 500 Hz low ±15 dB @ 80 Hz

Mixer Rated Output

Main, Aux, Control Room: +4 dBu Maximum Rated Output: +22 dBu

Maximum Input Levels

Mic Input: +12 dBu,

Gain @ +10 dB

+30 dBu. Line Input: Gain @ +10 dB

Tape Input and Aux Returns: +22 dBu

Input Impedance

Mic Input: 2.6 k Ω , balanced Line Input: $20 \text{ k}\Omega$, balanced Stereo Aux Returns: $20 \text{ k}\Omega$, balanced CD/Tape In: $24 k\Omega$, unbalanced

Output Impedance

 240Ω , balanced Main

 120Ω , unbalanced

Ctrl Room. Aux Sends: 120Ω Tape Output: $1 k\Omega$ Phones Output: 25Ω

VU Meters

Main Left and Right

Mix.220FX

8 segments: Clip (+18), +10, +5, +2, 0, -2, -5, -20

0 LED = 0 dBu

Mix.260FX

12 segments: Clip (+18), +10, +7, +4, +2, 0, -2, -4,

-7, -10, -20, -30 0 LED = 0 dBu

AC Power Requirements

Power Consumption: 40 watts

U.S. 120 VAC, 60 Hz 240 VAC, 50 Hz Europe 100 VAC, 50/60 Hz Japan Korea 220 VAC, 60 Hz AC Connector: 3-pin IEC 250 VAC

Physical Dimensions and Weight

Mix.220FX

 Height:
 3.8 in/96 mm

 Width:
 11.5 in/292 mm

 Depth:
 14.2 in/360 mm

 Weight:
 Approx. 8.8 lb/4.0 kg

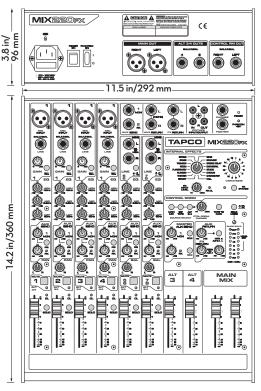
Mix.260FX

 Height:
 3.8 in/96 mm

 Width:
 13.7 in/348 mm

 Depth:
 15.1 in/384 mm

 Weight:
 9.8 lb/4.4 kg





Since we are always striving to make our products better by incorporating new and improved materials, components, and manufacturing methods, we reserve the right to change these specifications at any time without notice.

The TAPCO Mix mixers were recently accidentally awarded first prize by the Society of Juicers, Mixers and Blenders in the "Quadruple Planetary Mixers" category.

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