APPENDIX C: MIX 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)

Equivalent Input Noise (EIN): -129 dBu

Residual Output Noise:

Channel and Main Mix levels off

Main, Ctrl Room, Phones: -106 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

Mono Channel EQ (Mix.50 only):

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

Mono Channel EQ (Mix.60, Mix.100, Mix.120)

Stereo Channel EQ (Mix.60):

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

Mixer Rated Output

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

Maximum Input Levels

Mic Input: +12 dBu,

Gain @ +10 dB

Gain @ +10 dB

Line Input: +30 dBu,

Tape Input and Aux Return: +22 dBu

Input Impedance

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

Output Impedance

Main 240Ω . balanced 120Ω . unbalanced

 120Ω Ctrl Room, Aux Sends:

Tape Output: $1 k\Omega$ Phones Output: 25Ω

VU Meters

Main Left and Right 4 segments: Clip (+18), +6, 0, -20

0 LED = 0 dBu

Korea

AC Power Requirements

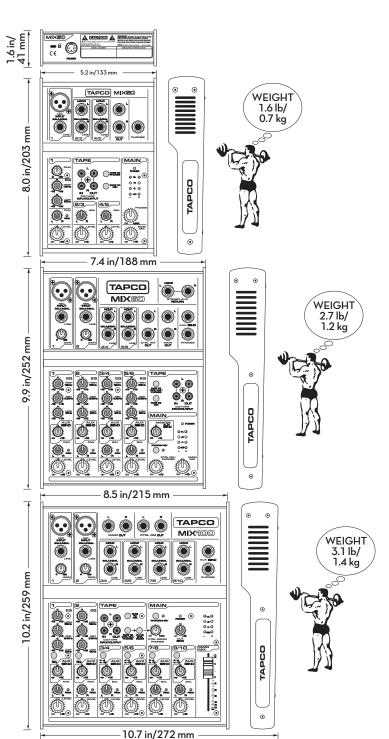
External Power Supply output: 18.5 VAC x 2 @ 150 mA

(3-pin AC power connection)

External Power Supply AC input

U.S. 120 VAC, 60 Hz 240 VAC, 50 Hz Europe 100 VAC, 50/60 Hz Japan

220 VAC, 60 Hz



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Physical Dimensions and Weight

Mix.50

 Height:
 1.6 in/41 mm

 Width:
 5.2 in/133 mm

 Depth:
 8.0 in/203 mm

 Weight:
 1.6 lb/0.7 kg

Mix.60

 Height:
 1.6 in/41 mm

 Width:
 7.4 in/188 mm

 Depth:
 9.9 in/252 mm

 Weight:
 2.7 lb/1.2 kg

Mix.100

 Height:
 1.6 in/41 mm

 Width:
 8.5 in/215 mm

 Depth:
 10.2 in/259 mm

 Weight:
 3.1 lb/1.4 kg

Mix.120

 Height:
 1.6 in/41 mm

 Width:
 10.7 in/272 mm

 Depth:
 10.2 in/259 mm

 Weight:
 3.9 lb/1.8 kg

Disclaimer

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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