

# Com-Tech 1610 Calculated Data

<b>CT-1610: 8 Ohm Stereo Mode, 16 Ohm Bridged Mono, or 4 Ohm Parallel Mono</b>					
<b>Program Material</b>	<b>Waste Heat BTU/Hr</b>	<b>Current Draw 100VAC</b>	<b>Current Draw 120VAC</b>	<b>Current Draw 220VAC</b>	<b>Current Draw 240VAC</b>
Individual Speech	500	3.1A	2.6A	1.4A	1.3A
Acoustic/Chamber Music	700	5.1A	4.3A	2.3A	2.2A
Full Range Rock Music	900	7.1A	5.9A	3.3A	3.0A
Compressed Rock Music	1100	9.1A	7.6A	4.2A	3.8A
Pink Noise	1300	11.1A	9.3A	5.1A	4.6A

<b>CT-1610: 4 Ohm Stereo Mode, 8 Ohm Bridged Mono, or 2 Ohm Parallel Mono</b>					
<b>Program Material</b>	<b>Waste Heat BTU/Hr</b>	<b>Current Draw 100VAC</b>	<b>Current Draw 120VAC</b>	<b>Current Draw 220VAC</b>	<b>Current Draw 240VAC</b>
Individual Speech	625	4.4A	3.6A	2.0A	1.8A
Acoustic/Chamber Music	950	7.6A	6.3A	3.5A	3.2A
Full Range Rock Music	1275	10.9A	9.0A	5.0A	4.5A
Compressed Rock Music	1600	14.1A	11.7A	6.4A	5.9A
Pink Noise	1925	17.3A	14.5A	7.9A	7.2A

<b>CT-1610: 70V Mode, Any Configuration</b>					
<b>Program Material</b>	<b>Waste Heat BTU/Hr</b>	<b>Current Draw 100VAC</b>	<b>Current Draw 120VAC</b>	<b>Current Draw 220VAC</b>	<b>Current Draw 240VAC</b>
Individual Speech	650	4.4A	3.7A	2.0A	1.9A
Acoustic/Chamber Music	975	7.7A	6.4A	3.5A	3.2A
Full Range Rock Music	1300	11.0A	9.2A	5.0A	4.6A
Compressed Rock Music	1625	14.3A	11.9A	6.5A	6.0A
Pink Noise	1950	17.6A	14.7A	8.0A	7.4A

The information provided on this page is calculated data based on driving both channels to rated output. Other parameters used in calculation include a conservative idle current estimate of 90 Watts and a conservative estimation of efficiency at 65%. Information is provided for the purpose of getting an idea of current draw and heat

produced. Actual performance will vary depending on environment, program material, load, signal, and AC mains voltage and frequency. Values of calculated current draw are intended to represent average draw corresponding to the thermal breaker requirements that should be met to handle the amplifier as a

load on the AC mains. Peak current draw with dynamic program material may be significantly higher. Thermal information is provided to assist with calculating air conditioning needs. The above data should not be construed as specifications.