

# THERMAL AND POWER INPUT DATA

## A2.1 3 channel amplifier

| IDLE POWER, NO SIGNAL INPUT |       |      |       |       |          |
|-----------------------------|-------|------|-------|-------|----------|
| Voltage                     | Watts | Amps | VA    | BTU'S | Calories |
| 120                         | 13.6  | 0.22 | 29.50 | 46.38 | 11696    |
| Standby W                   | 0.4W  |      |       |       |          |
| Idle W                      | 13.6W |      |       |       |          |
| Line V                      | 120 V |      |       |       |          |
| Line Fre                    | 60 Hz |      |       |       |          |

WATT = 3.41 BTU  
WATT= 860 Calories

| WATTS OUT |              |            | INPUT POWER |      |       |     | HEAT OUTPUT LEVELS |        |
|-----------|--------------|------------|-------------|------|-------|-----|--------------------|--------|
| LOAD      |              |            | @120V       |      | @240V | VA  | BTU'S              | CAL    |
| SINE WAVE |              | L/R/Sub    | W           | AMPS | AMPS  |     |                    |        |
| 40 W*     | (1/8 power)  | 2/2/4 ohms | 64          | 0.98 | 0.5   | 118 | 82                 | 20640  |
| 107 W*    | (1/3 power)  | 2/2/4 ohms | 149         | 3.23 | 1.6   | 388 | 143                | 36120  |
| 307 W*    | (full power) | 2/2/4 ohms | 474         | 6    | 3.0   | 720 | 569                | 143620 |

Generally accepted power levels for thermal and power consumption calculations are 1/8W power input into the expected subwoofer impedance. 1/8 power approximates usage with little or no clipping of the amplifier and distortion free operation. 1/3 power equates to severe amp clipping and audible distortion.

\*Total power of the three channels combined, all channels driven