



**TABLE 1.2-1
SPECIFICATIONS**

TWTA Power Output (Watts/Min.)	Frequency (GHz)	Gain at Rated Power (dB/Min.)	TWTA Model (Number)	RF Connector Type (Input/Output)
200	1.0 to 2.0	30	8200H09 ⁴ 000	N
200	2.0 to 4.0	40	8200H01⁰000	N
200	4.0 to 8.0	40	8200H02*000	N
200	8.0 to 18.0	35	8200H15•000	N/WRD-750

• in model number indicates front or rear panel connectors (F = front, R = rear)

RF Performance

Frequency see table 1.2-1
 Power Output see table 1.2-1
 Gain at Rate Power Output see table 1.2-1
 Duty CW
 Noise Figure 35dB typical
 Spurious Modulation 60 dBc (max)
 Load VSWR 2.5:1 (max)O
 Gain Stability 0.25 dB/24 hours (typ)O

Electrical

Input Voltage 115 VAC, 60 Hz
 Power Consumption (typical) 8200H09 1900 Watts
 8200H01 1600 Watts
 8200H02 1500 Watts
 8200H15 1300 Watts

Mechanical

Size/Configuration 19" wide x 8 3/4" high x 26" deep (typ)
 Weight 100 lbs. (typ)
 Cooling (integral blower) forced air
 RF Connector Type see table 1.2-1

Environmental

Temperature (operating) 0 to +50°C
 Relative Humidity (without condensation) 95%
 Altitude up to 10,000 ft.
 Shock and Vibration as normally encountered in commercial shipping and handling

Warranty

one full year - no hour limit

- Specifications subject to change without notice.
 - 9 At constant drive and temperature after warm-up period.
 - 40°C maximum operation temperature above 6,000 feet.
 - Option J allows operating at higher system VSWRs.
 - Valid only on amplifiers with output isolator or reflected power protection.
- m 0 to +40°C on 8200H09