

**T 10000, T 12000, T 15000
T 20000 & T 30000****FM Tube Type Amplifiers and Transmitters**

- Compact size, standard 19" rack
- Single tube
- Long tube life
- No neutralization required
- Conservatively rated parts and components
- Simple and rugged construction
- Easy access to internal parts
- Oversized cooling system
- Modular design for easy maintenance
- Ample metering of all operating parameters
- Compatible with remote control systems
- Dual speed motorized tuning controls
- Meets or exceeds all FCC and CCIR requirements
- Temperature protected power transformer with electrostatic shield between the windings

T 10000 shown

Amplifiers' Technical Specifications

(For audio specifications and features on Transmitter versions, pls. see Exciter pages. T Series Transmitters normally shipped with XL Series Exciters. Any other Bext Exciter available upon request).

	T 10000 / T 12000	T 15000	T 20000 / T 25000	T 30000
Tube type	4CX7500, YU148 or 3CX15000A7	3CX 15000 A7	3CX 15000 A7	3CX20000 A7
RF output connector	1 5/8" Flange	3 1/8" Flange	3 1/8" Flange	3 1/8" Flange
RF input connector	7/8" Flange	7/8" Flange	7/8" Flange	7/8" Flange
RF in/out impedance	50 ohms	50 ohms	50 ohms	50 Ohms
Max ambient temperature	40° C	40° C	40° C	40° C
Max relative humidity	80%	80%	80%	70%
Power consumption	19.5KVA / 22.5KVA	24.5 KVA	31KVA / 35KVA	49.5 KVA
Output power	10 kW / 12 kW	15 kW	20 kW	30 kW
Min. Drive Requirement	250 W	800 W	1500 W	1800 W
Max. Drive Requirement	550 W	900 W	1700 W	2000 W
Efficiency	60%	60%	75%	72%
Max VSWR	600 W	600 W	600 W	600 W
Harmonic suppression	-82 dBc	-82 dBc	-82 dBc	-82 dBc
Weight	500 kg 1100 Lbs	560 kg 1232 Lbs	630 kg 1386 Lbs	500 kg (x2) 1100 Lbs (x2)
AC power requirement	(for all) 240 V or 380 V 3 phase 50/60 Hz			
Frequency range	(for all) 87.5 - 108 MHz			
Dimensions	T 10000 through T 25000: 19" standard cabinet, 40 rack spaces high. Height: 79" (2000 mm) + 4" (100 mm) for air outlet Width: 22½" (570 mm); Depth: 36¼" (920 mm)			T30000 only: (2) cabinets, 32 spaces each; 63" H (+ 4" for flue) x 22½" W x 36¼" D
Diameter of air outlet	(for all) 7½" (180 mm)			
Reset procedure:	Automatic (8 resets). Auto lockout after 8 resets/restarts. Displays # of interventions.			
Indicator lights for:	<ul style="list-style-type: none"> Power on, Door open or loose connector, Anode current protection, Grid control protection, VSWR protection, Cavity temperature protection, Transformer temperature protection, Filament voltage protection, Bias voltage protection, Fan fault protection active Timer activity status on anode high voltage Anode power-up status Shutdown after maximum number of fault conditions 			
Metering:	<ul style="list-style-type: none"> Direct power Reflected power Anode current Grid current Anode voltage Bias voltage Filament voltage Temperature Hour meter 			