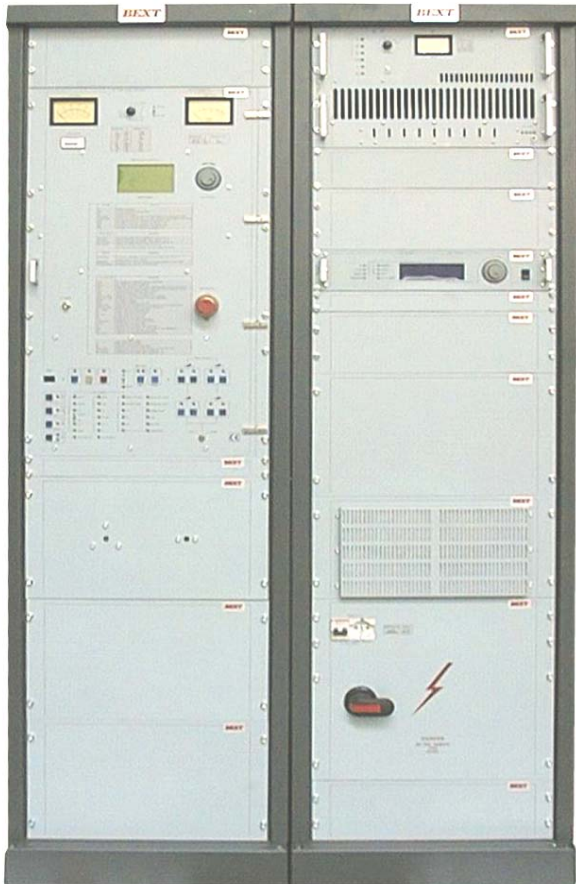




VJ 3000, VJ 5000, VJ 8000, VJ 10000, VJ 12000, VJ 15000, VJ 20000, VJ 25000, VJ 30000 & VJ 35000 FM Tube Type Amplifiers and Transmitters



- Motorized tuning for input, plate and load
- Tuning covers the entire 87.5 to 108 MHz band
- High efficiency low pass filter
- High overall efficiency
- Highly accurate direct and reflected power metering
- VSWR, grid current, plate current protections
- Temperature protections & safety interlocks
- Air flow failure & phase loss protections
- Timing of electronic start with Quick Warm-up
- Simple & rugged power supply
- Easy access to circuits and parts
- Overload protection
- Meets or exceeds all FCC and CCIR requirements
- Proportional RF Auto-Foldback for excessive VSWR
- Full remote control and telemetry capability

VJ 30000 shown

Amplifiers' Technical Specifications

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

Rated Output Power:	3kW (VJ 3000) • 5kW (VJ 5000) • 8kW (VJ 8000) • 10kW (VJ 10000) • 12kW (VJ 12000) • 15kW (VJ 15000) • 20kW (VJ 20000) • 25kW (VJ 25000) • 30kW (VJ 30000) • 35 kW (VJ 35000)
Frequency range:	87.5-108 MHz (other frequencies on request)
Eimac Tube Type:	VJ 3000 & VJ 5000: 3CX3000 • VJ 8000: YU-148 • VJ 10000, VJ 12000 & VJ 15000: 3CX15000 • VJ 20000: 4CX15000 • VJ 25000, VJ 30000 & VJ 35000: 4CX20000
AC Input power:	220-240V ±15%, 50-60 Hz Three Phase or 308-415V ±15%, 50-60 Hz Three Phase (Single Phase available on request)
RF Output Connector/Impedance:	7/8" (VJ 3000) • 1 5/8" (VJ 5000, VJ 8000, VJ 10000, VJ 12000, VJ 15000) • 3 1/8" (VJ 20000, VJ 25000, VJ 30000 & VJ 35000), all 50 Ohm (others on request).
RF Input Connector/Impedance:	"N" (VJ 3000, VJ 5000, VJ 8000 & VJ 10000) • 7/8" Flange (VJ 12000, VJ 15000, VJ 20000, VJ 25000, VJ 30000 & VJ 35000), all 50 Ohm (others on request).
RF Drive Required	150W (VJ 3000) • 400W (VJ 5000) • 600W (VJ 8000) • 550W (VJ 10000) • 650W (VJ 12000) • 850W (VJ 15000) • 800W (VJ 20000) • 800W (VJ 25000) • 1000W (VJ 30000) • 1500W (VJ 35000)
Spurious & Harmonic Suppression:	Meets or exceeds all FCC and CCIR requirements
Approximate Power Consumption:	6kVA (VJ 3000) • 10kVA (VJ 5000) • 16kVA (VJ 8000) • 20kVA (VJ 10000) • 24kVA (VJ 12000) • 30kVA (VJ 15000) • 40kVA (VJ 20000) • 50kVA (VJ 25000) • 60kVA (VJ 30000) • 70 kW (VJ 35000)
Cabinet Dimensions:	VJ 3000 565 mm (22") W x 1220 mm (48") H x 850 mm D (34") VJ 5000, VJ 8000, VJ 10000, VJ 12000 & VJ 15000: 565 mm (22") W x 1930 mm (76") H x 850 mm D (34") [one standard rack cabinet] VJ 20000, VJ 25000, VJ 30000 & VJ 35000: 1130 mm (45") W x 1930 mm (76") H x 850 mm D (34") [two standard rack cabinets]
Weight:	594 lbs. / 270 kg (VJ 3000) • 704 lbs. / 320 kg (VJ 5000) • 836 lbs. / 380 kg (VJ 8000) • 858 lbs. / 390 kg (VJ 10000) • 924 lbs. / 420 kg (VJ 12000) • 968 lbs. / 440 kg (VJ 15000) • 1210 lbs. / 550 kg (VJ 20000) • 1760 lbs. / 800 kg (VJ 25000) • 1848 lbs. / 840 kg (VJ 30000) • 1980 lbs. / 900 kg (VJ 35000)
Required Ambient Temperature:	-10° C to 45° C
Cooling / Maximum Humidity:	Forced air / 90%, non-condensing