



HS 5000 shown

BEXT

**HS 5000
& HS 10000**

Hot swappable / Hot pluggable

*FM Broadband MOSFET
Amplifiers / Transmitters*

- Independent, hot pluggable, direct front access 1200 W modules (5 modules for HS 5000 / 10 modules for HS 10000)
- Each module has its own independent built-in power supply and protection system
- High efficiency PA
- Auto Control Logic with visual display for functions and parameters
- Automatic gain control providing stable output power even in case of varying line voltage or fluctuating drive power
- Available w/ dual exciter and auto changeover
- Automatic restart from overload status
- Available for N + 1 Systems for multiple frequency stand-by operation
- VSWR, excessive temperature and excessive drive power protection
- Proportional Auto-Power Foldback in the event of excessive VSWR
- Fully remote controllable and main telemetry parameters available on rear terminal board
- Meets or exceeds all FCC & CCIR requirements

Amplifiers' Technical Specifications

For audio specifications & features on Transmitter versions, pls. see Exciter pages. HS Series Transmitters normally shipped w/ PT Series Exciters. Any other Bext Exciter available upon request. Unit shown is HS 5000 w/ dual exciter & auto changeover).

Frequency range:	87.5-108 MHz (other frequencies on request)
Rated Output Power:	5 kW (HS 5000) • 10 kW (HS 10000)
RF Output Connector/Impedance:	1 - 5/8 " EIA Flange / 50 Ohm
RF Input Connector / Impedance:	Type "N" / 50 Ohm into RF Amplifier System
Spurious & Harmonic Suppression:	Meets or exceeds all FCC and CCIR requirements
AC Input power:	198-250V, 50-60 Hz, Three Phase (others available on request)
Power Consumption / Pwr factor:	approx. 9 kW (HS 5000) • approx. 18 kW (HS 10000) / 0.95
RF Drive Required:	30 W (HS 5000) • 60 W (HS 10000)
Cooling	Forced air
Cabinet Dimensions:	565 mm (22 1/4") W x 1800 mm (71") H x 50 mm (33 1/2") D
	Each Vertical RF Module: 88 mm (3 1/2") W x 485 mm (19") H x 555 mm (22") P
Approx. Weight:	HS 5000: 465 Kg (1023 lbs) • HS 10000 (1760 lbs) • Each RF Module: 19 Kg (42 lbs)
Ambient Temperature Range:	-10° C to 50° C (14° F to 122° F)
Maximum Humidity	90%, non-condensing