

## 4075 High power HF transmitter General Specifications

Frequency coverage	1.6MHz to 30MHz
Channel capacity	1000 with 4050 HF Transceiver
Modes	J3E (USB, LSB) – H2B (AM) – J2A (CW) – B2B (AFSK) Software-Defined filter bandwidth
Power output	1000W PEP or 500W PEP
Duty cycle	100%, Continuous PEP, CW
Exciter	4050 HF SDR transceiver
<b>4075 Linear Amplifier Specifications</b>	
Power Output CW	1kW or 500W ± 1.5 dB
Power Gain	+25 dB
Harmonics & Spurious	Less than -55 dB
ALC Voltage (output)	0 ~ 10V
Filter Type	7 Band LPF
Dimensions	178H x 482W x 480D mm excluding handles and I/O connectors
Power Requirements	50V dc @ 60A, 24V dc @ 2.5 A max
Rack Height	5RU, 19" Rack mount (Amplifier and 50V power supply only)
Weight	35 kg (77 lbs)
Cooling	Liquid cooled, Water Propylene Glycol mixture
Temperature	-10°C to +65°C operational, -40°C to +85°C storage
Humidity	95% relative, non condensing
Altitude	3000 m above sea level (not airborne), 9000m transportation
Input overdrive protection	+6 dBm max
Output VSWR protection	3:1 nominal all magnitude and phases
Thermal Overload protection	85°C
Fault Log	System events and error reporting
Standards	Designed to meet or exceed: – FCC/IC/ETS# – CE# – Australia/New Zealand AS/NZS 4770 2000 and AS/NZS 4582:1999

Specifications are typical. Equipment descriptions and specifications are subject to change without notice or obligation.

# Approval pending