HD32156 SUITE
SOLID STATE HIGH POWER AMPLIFIERS

FEATURES

Class A/AB linear hybrid design
Rack mounted system
Designed for broadband EMI/RFI, Lab, Comm. and EW applications
Suitable for all single channel modulation standards
Built-in protection circuits
High reliability and ruggedness



ELECTRICAL SPECIFICATIONS: 25°C, 50Ω

MODEL		HD32156-10	HD32156-20	HD32156-40	HD32156A-40
PARAMETERS	LIMIT	SPECIFICATIONS			
Frequency Range	Min	27 - 29 GHz			
Saturated Output Power CW	Min	10 Watt	20 Watt	35 Watt	40 Watt
Output Power @ P1dB CW	Typ	8 Watt	15 Watt	30 Watt	30 Watt
Power Gain	Min	40 dB	43 dB	46 dB	
Gain Flatness	Max	2 dB p-p			
Gain Adjustment Range	Min	20 dB			
Input Return Loss	Max	-10 dB			
Noise Figure	Min	10 dB			
Harmonics	Max	-20 dBc			
Non-harmonics Spurious	Max	-60 dBc			
Operating Voltage	Nom	100 - 240 VAC			
AC Power Consumption	Max	120 Watt	250 Watt	600 Watt	600 Watt
Input Power Protection	Max	0 dBm			
Load VSWR Protection	Max	5 : 1 <1 Minute @ rated Pout			

ENVIRONMENTAL CHARACTERISTICS

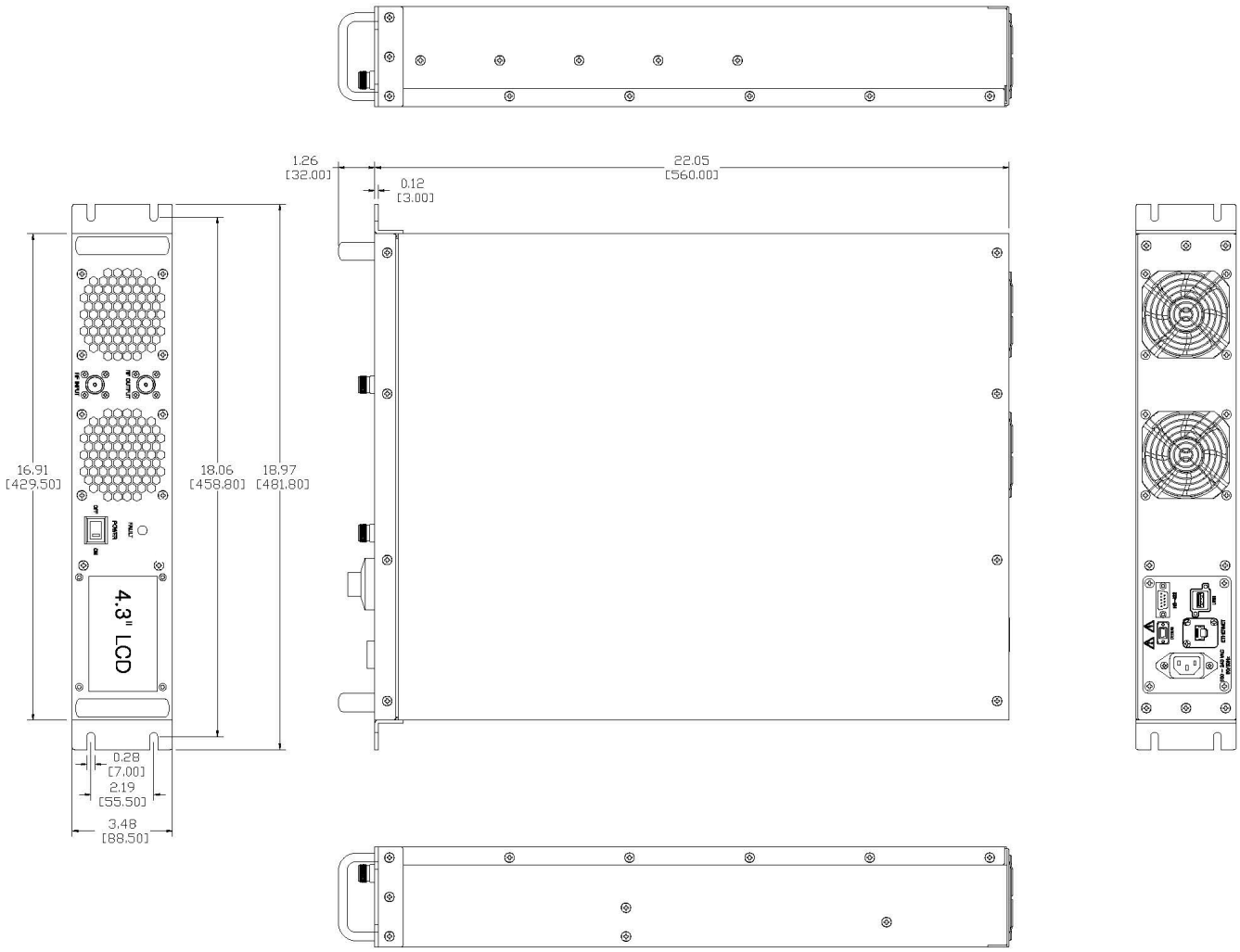
PARAMETERS	SPECIFICATIONS
Operating Ambient Temperature	0 to +50 °C
Storage Temperature	-20 to +75 °C
Relative Humidity	5 to 95 % Non-condensing

MECHANICAL SPECIFICATIONS

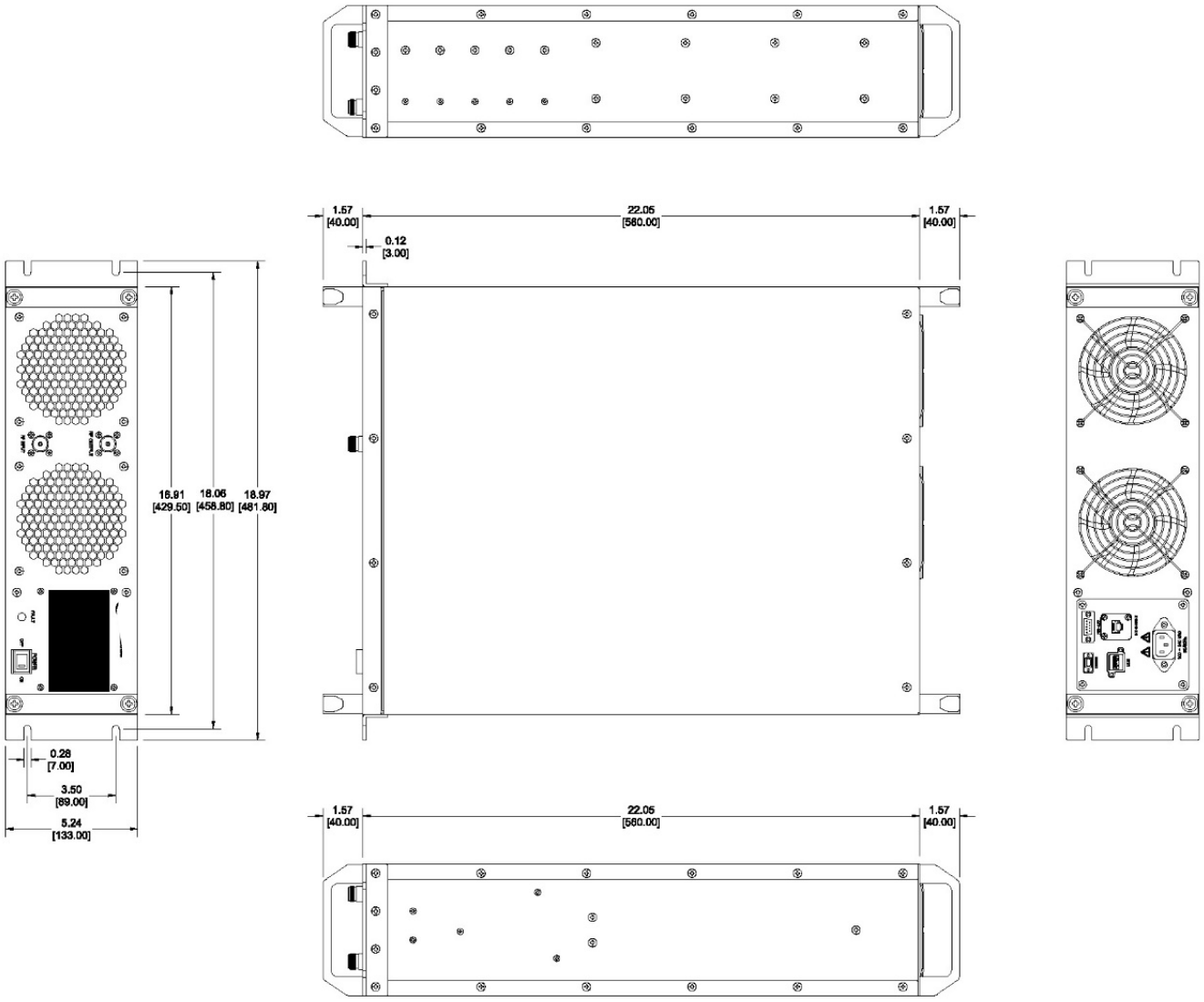
PARAMETERS	SPECIFICATIONS	
Dimensions W x H x D	R2U rack mount	R3U rack mount
Weight	10 kg.	15 Kg.
RF Connectors In/Out	2.92 mm Female (WR-28 optional) / WR-28	
AC Power / Interface Connector	IEC 60320-C14 / 9-Pin D-Sub	
Cooling	Built in Fan Cooling*	
OPTIONAL: Digital Monitor & Control FWD, REV, VSWR, GAIN, ALC, V & I, TEMP	Ethernet RJ-45 TCP/IP, RS422/485, USB Optional GPIB Interface	Controller/coupler reduce output power by approx. 0.4dB.
***OPTIONAL:** Cooling (Quiet Cool design)	60dBa Typ - Air-Liquid Cooled	Built in pump (closed loop)

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www.rfamplifiers.com www.rfcomp.com

OUTLINE DRAWING - R2U with optional LCD



OUTLINE DRAWING - 3U with optional LCD



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