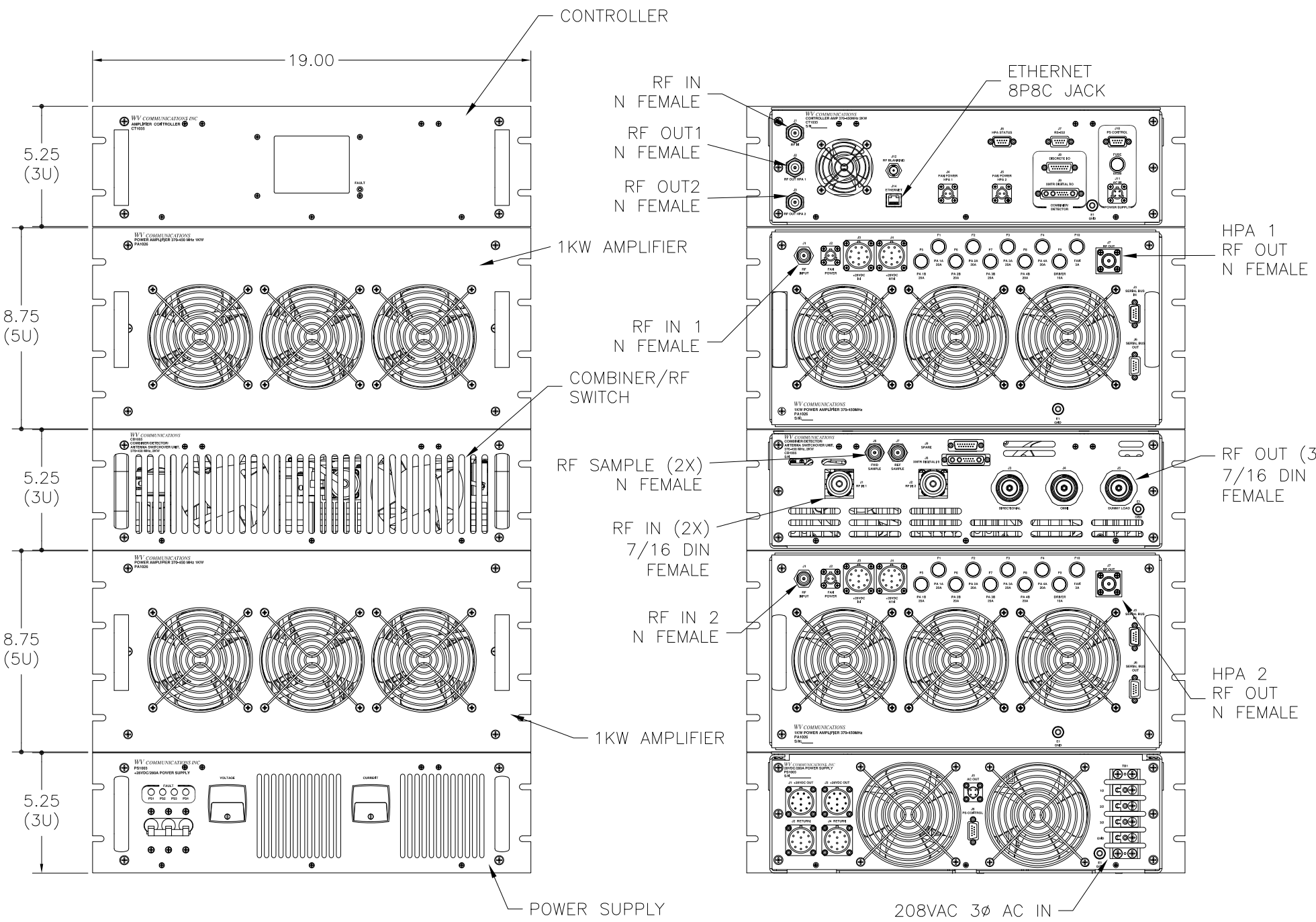


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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A		RELEASED	5/13/2011	TT

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**SPECIFICATIONS SUMMARY**

**OPERATING FREQUENCY RANGES:** 370-450MHz  
**RF OUTPUT POWER:** 2KW Min at 1dB Compression  
**RF OUTPUT PROTECTION:** Integral Output Isolator protected No Oscillation at any Phase Angle at any Load Impedance  
**RF INPUT POWER:** -10dBm to +3dBm  
**MAXIMUM RF INPUT POWER:** +10dBm Maximum W/O Damage  
**SMALL SIGNAL GAIN FLATNESS:**  $\pm 1.5$ dB Maximum Into 1.05:1 VSWR  
**INPUT AND OUTPUT IMPEDANCE:** 50 Ohms Nominal  
**INPUT VSWR:** 1.2:1 Maximum (Ref 50 Ohms)  
**HARMONIC SIGNAL LEVELS:** Integral Low Pass Filter  
 -90dBc Maximum from 720 – 2700MHz  
 -55dBc Maximum from 370-450MHz  
 -80dBc Maximum from 1-370MHz & 450-3000MHz  
**SPURIOUS SIGNAL LEVELS:**  
**RF OUTPUT CONNECTORS:** 7/16 DIN Fem 3ea  
**RF OUTPUT SELECTION:** User Selectable Load/Omni/Directional Internally blanked when switched  
**OUTPUT POWER CONTROL:** 23dBc Minimum  
**RF BLANKING INPUT POLARITY:** Open-RF ON, Short to GND-RF Blanking (Internally Pull up to +5V)  
**RF OUTPUT TURN-ON-TIME:** <50 mSec after RF power received  
**SWITCHING TIME:** <100mSec between any of the Outputs  
**LOCAL CONTROL:** Via Color Touchscreen LCD  
**REMOTE CONTROL:** Via RS-232 & Ethernet (UDP)  
**HARMONIC DISTORTION:** 1% Maximum  
**MODULATION DISTORTION:** 1% Maximum  
**TWO-TONE INTERMODULATION:** -70dB Maximum In-Band @ 1MHz Spacing  
**RF OUTPUT SAMPLE:** -63dBc from Output Power Level, (FWD & REF)  
**COOLING:** Forced air via integral Front Panel Intake and Rear Panel Exhaust Fans  
**OVER TEMPERATURE PROTECTION:** Thermostat Shut-Off Indication at +77 Deg C Heatsink Temperature  
**TEMPERATURE RANGES:** Operating 0 to +50°C  
**ALTITUDE:** MSL to 70,000 Ft  
**CHASSIS DEPTH:** 26.75" Maximum  
**AC INPUT POWER:** 180-264VAC, 47-63Hz 3 Phase at 5KVA Maximum  
**WEIGHT:** 350 lbs Maximum  
**FRONT PANEL COLOR:** FED-STD-595 Grey 26307

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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		APPROVALS	DATE	WV Communications 1176 Tourmaline Dr. Newbury Park, CA	
FRACTIONS $\pm 1/64$	DECIMALS .XXX1	DRAWN TONY T.	5/13/2011	<b>AMPLIFIER SYSTEM,</b> 370-450MHz, 2KW, SYS1032	
ANGLES $\pm 30'$	Holes .XXX1	CHECKED TT	5/13/11		
MACHINED FINISH: 32 RMS REMOVE BURRS .005 MAX		MECH ENGR TT	5/13/11		
		ELEC ENGR JT	5/13/11		
		PRODUCTION AM	5/13/11		
900-50320	SYS1032	FINISH		SIZE D	CAGE CODE 1GFQ7
NEXT ASSEMBLY	USED ON			DWG. NO. 050-50852	REV A
APPLICATION	DO NOT SCALE DRAWING	Q.A. DB	5/13/11	SCALE NONE	SHEET 1 OF 2

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REV. NO. 050-50852