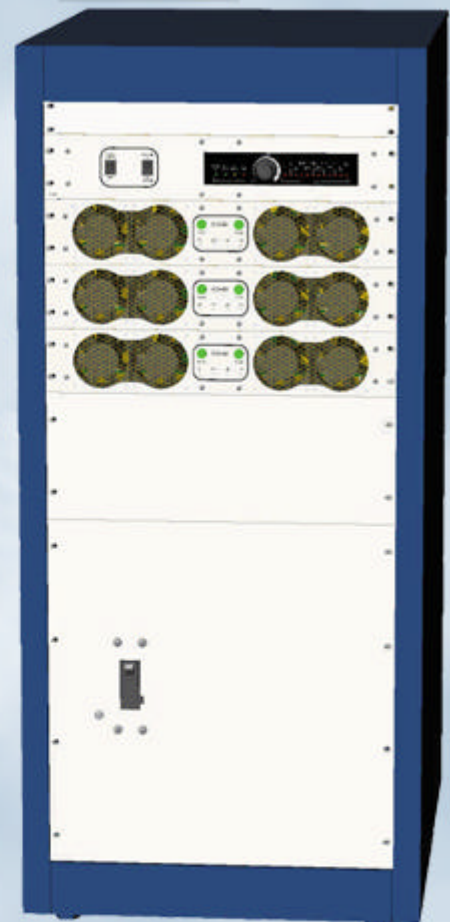
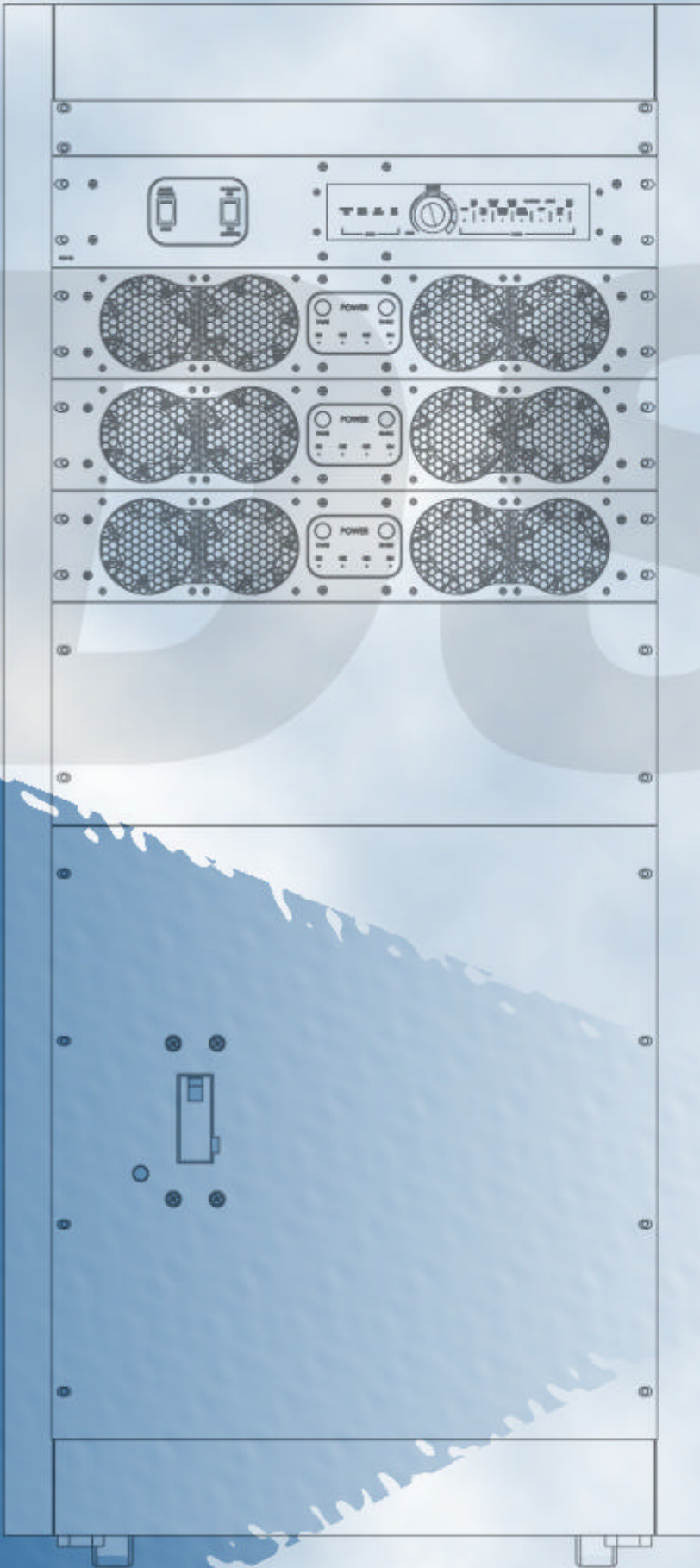


# DSA 18/24

**The DSA series of power amplifiers incorporate the engineering expertise of five generations of design and innovation in "field tested power amplifier technology" The DSA series utilizes a "modular" concept to produce a flexible re-configurable mainframe with interchangeable power and logic/control modules to match varying power factor loads, such as:**

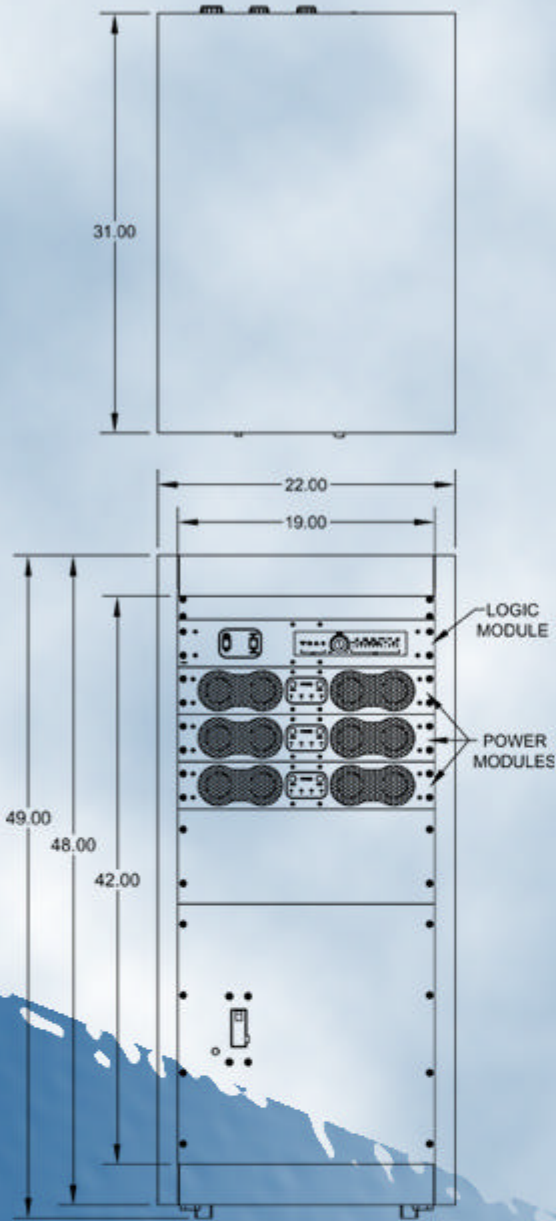
- **Electro-Dynamic shakers**
- **Hydraulic actuators**
- **Acoustic Trnsducers**



**Derritron Vibration Products**

# Specifications

The DSA 18/24 Power Amplifier is designed to accept up to (3) three output modules of either the DPM-6 or DPM-8 configurations.



FREQUENCY RESPONSE	Full power from DC-2000 Hz rolling off to -3dB at 4000 Hz (6dB/Oct slope)
DISTORTION	(At rated output)THD less than: 0.5% from DC to 1500 Hz 0.75% from 1500 to 2000 Hz 1.0% from 2000 to 3000 Hz
HUM AND NOISE	>70 dB below full output (input shorted)
DC STABILITY	<0.05% of full output voltage with $\pm 10\%$ change in input voltage.
INPUT DRIVE	1.5 Vrms for full output (10K Ohm input impedance)
COOLING	120 CFM (.056 m <sup>3</sup> /s) per module, 2750 BTU/hr (.806kW) per module rejected to air (full output).
ISOLATION	Output is isolated and may be grounded at "A-" terminal only
DIMENSIONS	See Diagram

## Environmental Specifications

Temperature	Full power to 40 °C, derated at 2% per °C above 40 °C to 55 °C max.
Humidity	0 to 80%RH (wet bulb temp. not to exceed 27 °C).
Shock & Vibration	ASTM Standard for transportation
Weight	Approx. 800 lbs (363 kg) with (3) three power modules installed.

OUTPUT	Number of Power Modules Installed					
	1		2		3*	
DSA Model	18	24	18	24	18	24
KVA	6.0	8.0	12	16	15	20
RMS Amps	55	80	110	160	140	204
Peak Amps	120	175	240	350	300	438
RMS Volts	120	120	120	120	120	120



Specifications subject to change without notice