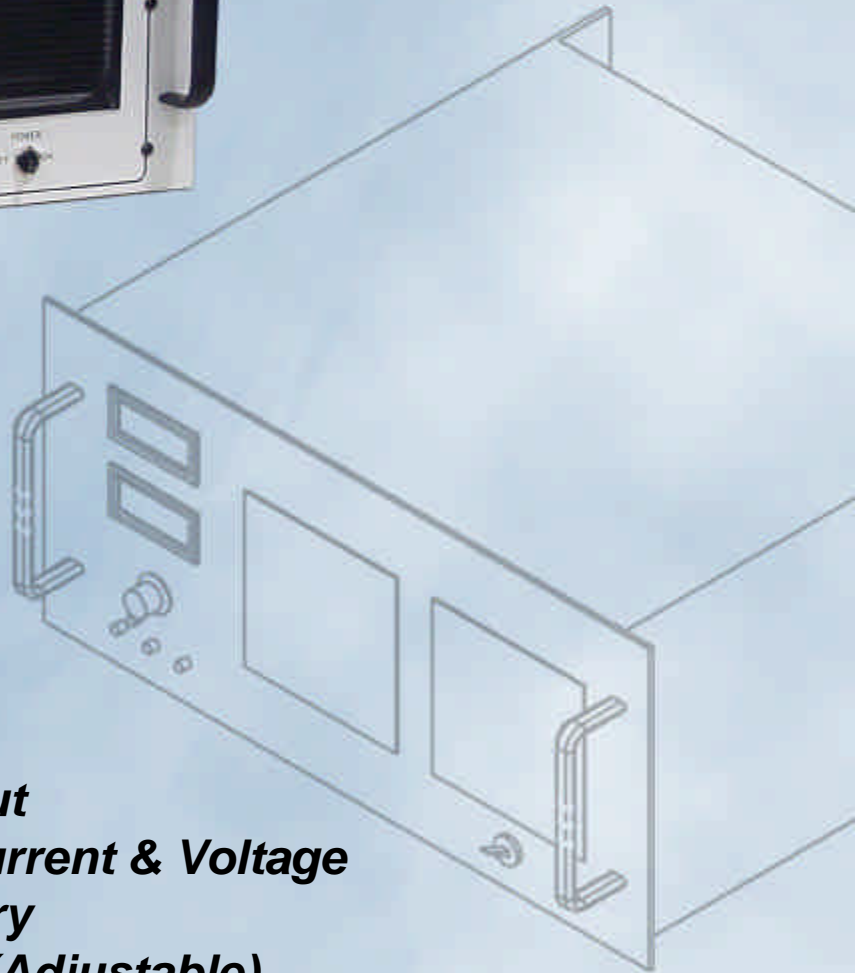


Derritron DLA 1050 Amplifier

The Derritron DLA Series Power Amplifiers provide low distortion drive signals for small to medium size electro-dynamic shakers and acoustic transducers up to 1.5KVA.

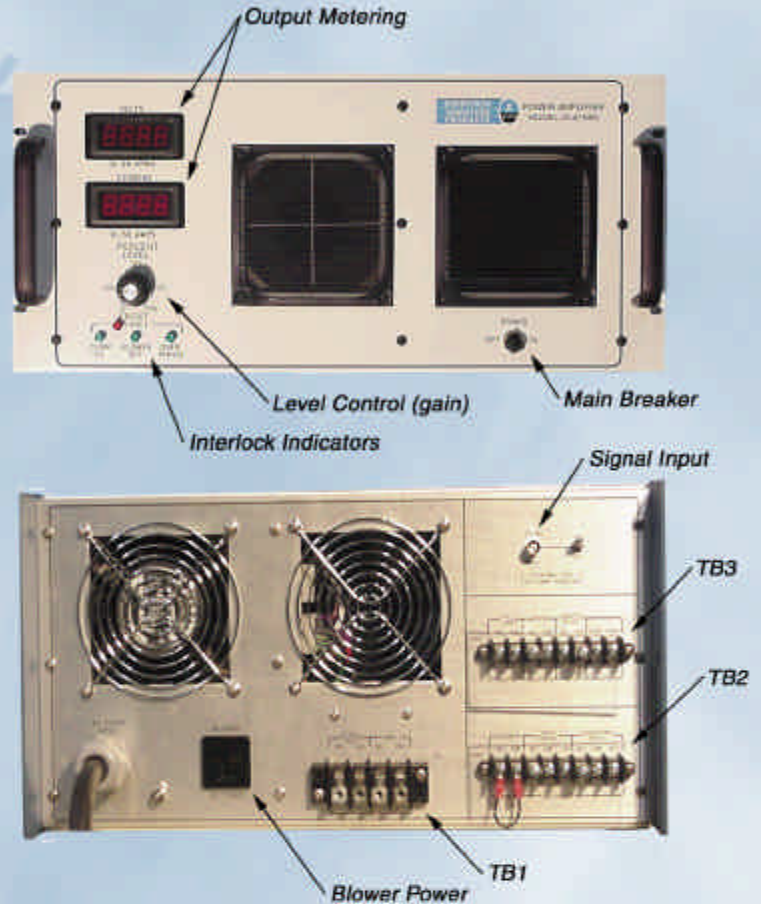
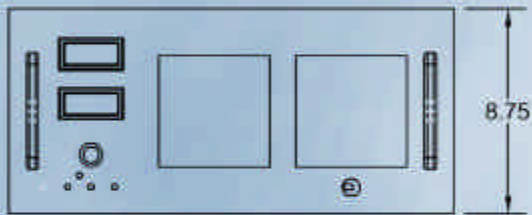
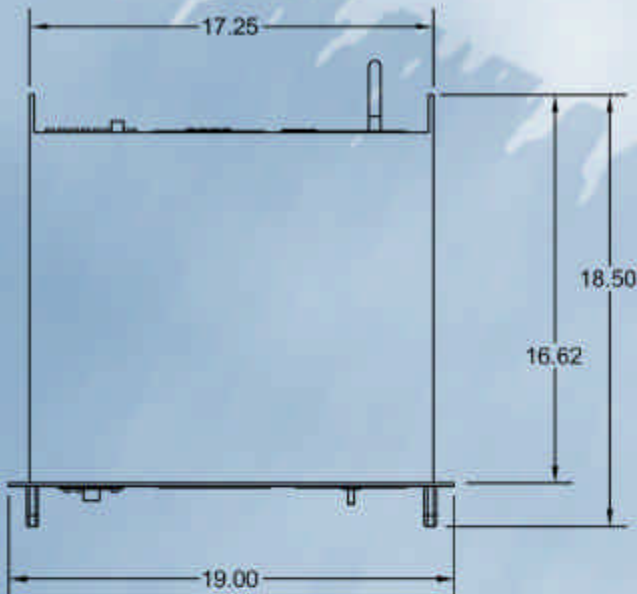
The Model DLA1050 Power Amplifier incorporates the latest in analog and digital circuit technology to produce a unit with extended reliability and user-friendly operation. The DLA1050 has many features that are designed specifically for Vibration Testing Systems.



Features

- **Internal DC Field Supply**
- **Shaker Blower Power Outlet**
- **Low Distortion 1.5KVA Output**
- **Front Panel Monitoring of Current & Voltage**
- **High Speed Interlock Circuitry**
 - **Output Current Protection (Adjustable)**
 - **Shaker Overtravel**
 - **Shaker Air Flow**
 - **Over-Temperature**
 - **Remote Reset**

Specifications



Signal Input

Impedance	>300kW
Level	0 to 10 Volts peak
Frequency Range	DC to 10kHz
Common Mode Rejection (ISO) ..	60 dB, DC-200Hz
Connector	BNC

Amplifier Output

Impedance	< 0.005W
Level	22 Volts RMS max.
Current	40 Amps max.
Distortion (Hz)	< 0.5%, 5 to 5000 (best effort to further reduce distortion)
Connector	(2) terminals marked AMPL OUTPUT, SIG & COM

Field Output

Voltage	(Approx) 70 Volts DC
Current	15 Amps max.

Blower Receptacle Standard plug

Controls

Level Control (Locking) ...	Audio taper gain control and
CCW Detent Switch	Reset at Counterclockwise detent
Power Switch	When in ON position, energizes The amplifier circuitry

Indicators

Volt Meter LED	3 1/2" digit panel meter, LED 0 - 25 Volts, +/- 5%
Current Meter LED	3 1/2" digit panel meter, LED 0 - 50 Amps, +/- 5%

Input Power 100/200 or 115/230 Volts RMS at
50/60 Hz, 2300 V A Max., +/- 5%

Size 19" Rack Mount, 8 3/4" H. x 15" Dp.

Specifications subject to change without notice

