



THE INNOVATOR IN
**SOUND & VIBRATION
 TECHNOLOGY**

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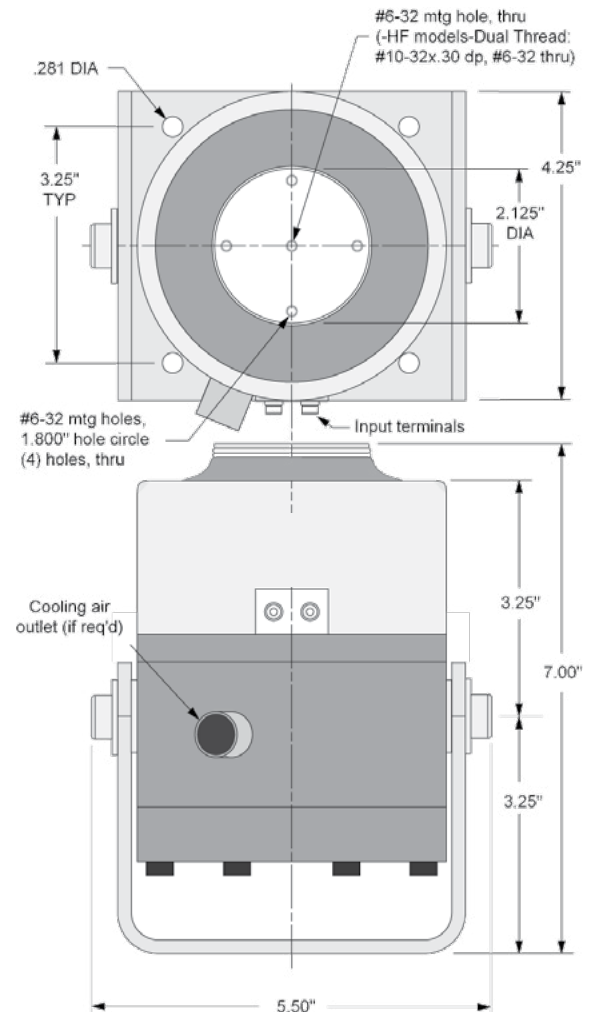
VR5200-HF **Electrodynamic Shaker**

A rugged, full featured, small permanent magnet shaker. It is ideally suited for the production screening of small components, engineering design verification/evaluation, or for larger transducer calibration systems. The shaker features a 2.125" diameter table with multiple attachment points, and an extraordinary 0.5" stroke. It has a linearly compliant armature suspension that is also suitable for modal testing with a current source amplifier. The High Frequency version with its slightly heavier armature has an extended full force frequency range of up to 14kHz with operation to 20kHz at 7F-lb pk sine, and a dual thread center mounting hole with #10-32 threads for mounting accelerometers and other vibration transducers. Available in two different impedance ranges, the VR5200-HF series are easily matched to most amplifiers yielding the maximum system performance.



VR5200-HF SYSTEM SPECIFICATIONS

SINE FORCE	13F-lb pk
RANDOM FORCE	8F-lb rms
SHOCK FORCE	21F-lb pk
FREQUENCY RANGE	DC to 14,000Hz
MAX ACCELERATION	37g pk, bare table 24g pk, 0.2lb load 9.6g pk, 1 lb load
MAX VELOCITY	100ips
MAX DISPLACEMENT	0.5" pk-pk
POWER REQUIREMENTS	1,000VA @ 100V, 110V, 200V, 220V, 240V 1Ø, 50/60Hz
COOLING	Natural convection
ARMATURE WEIGHT	0.35lbs
SUSPENSION STIFFNESS	15F-lb/in
DIMENSIONS	6.5"H x 4.8"W x 4.25"D
SHAKER WEIGHT	11 lbs
STRAY MAGNETIC FIELD	Measured 1" above table: <15gauss Measured 0.5" from body: <15gauss
FUNDAMENTAL RESONANCE	5,500Hz to 6,500Hz



POWER AMPLIFIER

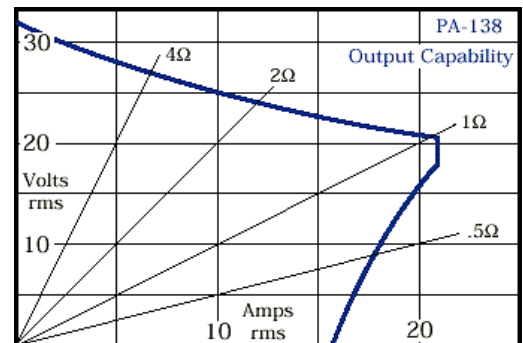
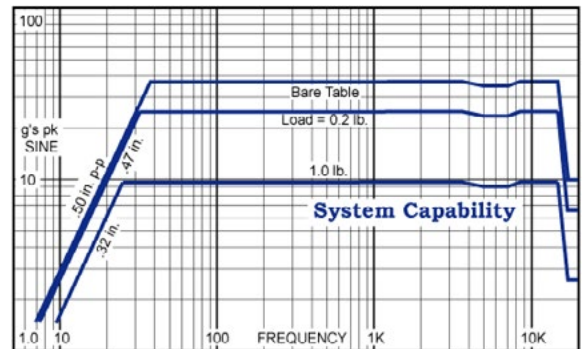
The Linear Power Amplifier is a high quality, air-cooled, direct-coupled audio amplifier primarily intended for use with small vibration systems. Although this amplifier has been designed to directly drive low impedance loads, it can be used in any application requiring continuous duty, high quality, audio power.



A front panel switch allows configuring the output circuitry as either a low impedance voltage source or high impedance current source. A voltage-proportional-to-output-current output signal is provided for modal test and other applications requiring force monitoring.

This amplifier features protection from both over current and over temperature ensuring long term reliability. The amplifier has full interlock capabilities as well as peak voltage and RMS current bar graphs to monitor output.

AMPLIFIER PARAMETERS	
Output voltage	25V rms
Output current	20A rms
Max. continuous dissipation	450W
Max voltage gain	34dB
Cooling	2-speed fan, automatic
Input impedance	10,000ohms
Meters	Volts pk: 19 segment +/-5% Amps rms: 19 segment +/-5%
Interlock circuit	External, user: Ext switch or TTL
Dimensions	3.5"H x 19"W x 13"D
Weight	24lbs



OPTIONS

- Modal stingers & mounts
- Vibration controllers
- Accelerometers
- Cooling blower required for operation above 13F-1b
- Rack cabinet

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