

MODEL 308V ELECTRODYNAMIC SHAKER

3,000 TO 9,000 FORCE POUNDS



- ▶ 9.25" diameter; 30lbs (13.6kg) armature
- ▶ 3,000 pounds force (13.35 kN)
- ▶ Low Profile
- ▶ 2" (50.8 mm) stroke
- ▶ Air Cooled
- ▶ Pneumatic Isolation system
- ▶ 550lbs (249.5kg) pounds payload support

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The Ling Model 308V Shaker is designed as a "low profile" vertical shaker to perform production vibration testing of small-to-medium items over the frequency range to 3000 Hz. The shaker employs Ling's field-proven metallic half-loop flexures and high stiffness linear Teflon coated bearing for armature guidance. Heavy duty hexagonal head raised armature table inserts afford rigid, rattle-free attachment to fixtures.

The 308V body suspension features an efficient system of pneumatic isolators located at the bottom of the shaker that are independently adjustable for maximum stability. The 308V is also available in a trunnion base (308VH) with Ling's exclusive Lin-E-Air isolation system for easy 90° rotation while still providing excellent isolation of dynamic forces from the ground. The low natural frequency of either body suspension system virtually eliminates the need for expensive reaction masses. Additionally, the shaker can be ordered in a variety of combined bases for dependable, repeatable alignment when used with a slip table assembly.

The shaker is cooled by induced forced air which is exhausted by a remotely located blower to minimize heat and blower noise in the area adjacent to shaker. A 10 foot (3m) exhaust duct furnished as standard.

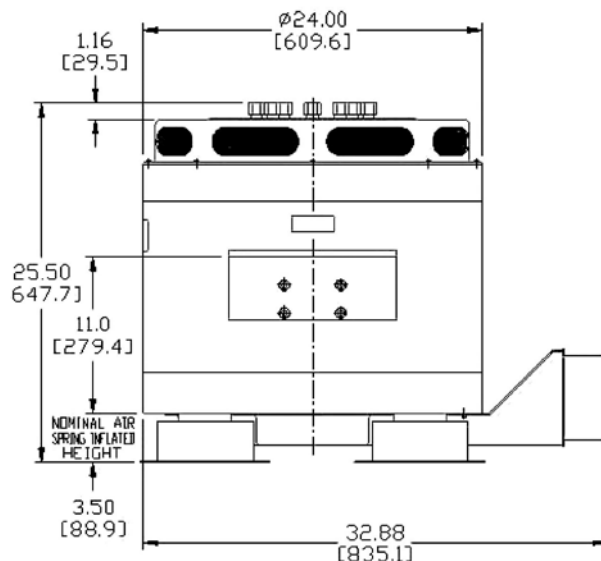
Over 50 Years of Proven Reliability!

MODEL 308V ELECTRODYNAMIC SHAKER SPECIFICATIONS

3,000 TO 9,000 FORCE POUNDS

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AXIAL STIFFNESS:	250 lbs. per inch (43.7 kN/m)
ARMATURE DIAMETER:	9.25" (234 mm) w/ 8 bolt pattern
ARMATURE MASS:	30 lbs. (13.6 kg)
ARMATURE SUSPENSION:	Half-loop metallic flexures
STATIC LOAD SUPPORT:	550 lbs. (249 kg) standard
DISPLACEMENT:	2.0 in. p-p (50.8 mm) continuous, 2.2 in. p-p (55.8 mm) between mechanical limits
FORCE RATING:	3,000 lbs (13.35 kN) Peak Sine 2,700 lbs (12.0 kN) RMS random 9,000 lbs (40.2 kN) Shock
MAXIMUM VELOCITY:	70 IPS (1.78 m/s), bare table as limited by Amplifier voltage
FREQUENCY RANGE:	5 to 3000 Hz
MAXIMUM ACCELERATION:	101g sine vector
UTILITY POWER:	35 kVA
STRAY MAGNETIC FIELD:	6 gauss or less at 6" (152.4 mm)
COOLING:	Air-cooled by 5 Hp suction-type blower; blower to shaker flexible air duct - 7 in. (178 mm) diameter, 10 ft. (3 m) long
OPTIONS:	Vertical/Horizontal Trunnion Base. 3/8-24 UNF or M8 x 1.25-6H table inserts. Top Thermal Protection (AGREE) Acoustic enclosure for blower (Quiet Package) Unibase configuration.



1. ALL DIMENSIONS ARE FOR REFERENCE ONLY.
DIMENSIONS IN () ARE IN MM.

ARMATURE TABLE INSERT PATTERN

13 INSERTS, 1 = 3/8-16UNC (STD)
2 = 3/8-24UNF (OPTIONAL)
4 = M8 X 1.25 (OPTIONAL)

