

# DB-127 DuoBase Shaker

- Large mounting surface
- 1.0 inch p-p stroke
- Integral oil moat and pump
- Horizontal and vertical testing
- Lightweight magnesium table



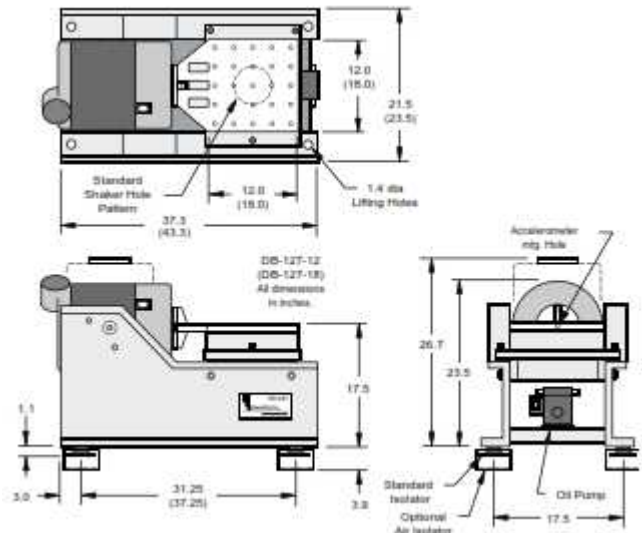
## General Specifications<sup>1</sup> DB-127-12 (-18)

Moving Element Weights	-12	(-18)
Slip Table weight	14 lbs	(35 lbs)
Shaker Armature weight	5 lbs	
Maximum Recommended Loads		
Table vertical/horizontal	100 lbs	(200 lbs)
Table mounting CG moment	100 in-lb	(150in-lb)
Table Mounting Surface (in.)	12 x 12	(18 x 18)
Max. Bare Table Acceleration*	26 g pk	(12 g pk)
Bare Table Resonance Freq.	2300 Hz	(2000 Hz)
Maximum Useable Freq.	3000 Hz	(2500 Hz)
Displacement	1 inch pk-pk	
Table Mounting Hole Pattern	Same as shaker	
Oil Reservoir Capacity	4 gal	(.8 gal)
Complete Base + Shaker Wt.	1000 lb	(1200 lb)
Overall Dimensions (in.)	37.3 L x 23.5 H x 19.5 W	

### Options

- Additional Mounting Holes
  - AI-DB127 Pneumatic (5 Hz) Isolation Mounts
- Please see appropriate Shaker or System data sheet for performance specifications

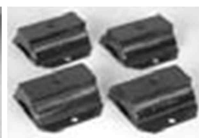
The DB-127 DuoBase Slip Table offers a large mounting surface with high load carrying capability for applications where lower acceleration levels are needed for large or heavy loads. The slip table utilizes a low pressure mineral oil film and rigid granite plate to provide support and guidance for the table. High rotational moments are reacted through the oil film to the base, allowing testing of high CG loads without risk of shaker suspension damage. The shaker can also be disconnected from the table, rotated to the vertical position, and then used as a normal vertical shaker without the additional weight of the Table. The base is supplied with standard machinery (15 Hz) isolation mounts.



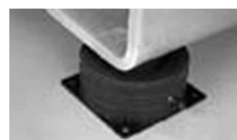
## ET-127 Load Support & Isolation Mounts



Left...LS-127 Pneumatic Armature Payload Support is used when full displacement is required with heavy loads.



Standard 10 Hz, SI-127 Solid Vibration Isolation Mounts.  
Far left...SI-127 mounted to ET-127 trunnion.



Optional 5 Hz, AI-127 Pneumatic Vibration Isolation Mount.  
Far left...AI-127 mounted to ET-127 trunnion.