Air-Cooled Shakers



LE-812 LE-816

- Peak Sine Force: 8000 lbf (35.6 kN)
- Random Force rms: 7000 lbf (31.1 kN)
- Velocity Peak: 71 in/sec. (1.8 m/sec)

Armature diameters to choose from:

- 13.25 inch (337 mm)
- 17.25 inch (438 mm)
- Vertical Isolation Mounts
- Isolated Trunnions (VH) with Lin-E-Air Isolation
- Monobase with slip tables
- Air glides and guidance systems



SignalFor<u>ce</u>®



The Model LE-812/816 shakers utilize many of the features of the highly successful and reliable LE-6XX shakers, to create an efficient and reliable shaker. Like the other LE series shakers, the Model LE-8XX shakers use a double ended field structure to provide maximum flux density in the central gap for higher efficiency, higher force to current ratio and lower stray magnetic field above the armature surface. The armatures are rugged magnesium cast-

ings, which are centered and guided by the high performance flexures and a very stiff bearing. Options include: automatic armature centering, economy field supply, vertical isolation mounts (VI), air isolated trunnions with Lin-E-Air low frequency isolation (VH), air glides, chamber interfaces, and monobase systems for sequential three axis testing. The Model LE-8XX shakers are forced air cooled via a remote blower to minimize the noise and heat in and around the shaker test area.



	Maximum Sine Force		Maximum Random Force		Armature Mass		Armature Diameter		Maximum Acceleration (bare table)		Maximum Velocity		Displacement Peak to Peak		Frequency Range	Armature Axial Resonance	Armature Suspension	Static Load Support		Stray Magnetic Field		Facility Power Requirements	Uncrated	Uncrated Weight	
	lbf	kN	lbf	kN	lbs	kg	in	mm	g	m/s2	ips	mps	in	mm	Hz	Hz	half loop	lbs	kg	gauss	тT	kVA	lbs	kg	
LE-812/DSA10-50k	8000	35.6	7000	31.1	63	28.6	13.25	337	126	1236	71	1.8	2.0	51	5-3000	2350	beryllium copper	1000	227	< 5	.5	65	6500	2950	
LE-816/DSA10-50k	8000	35.6	7000	31.1	99	44.9	17.25	438	80	785	71	1.8	2.0	51	5-3000	2100	flat composite	1000	454	< 5	.5	65	6500	2950	











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