

V300

V350

V400

V400LT

- DC energized shakers producing 370 lbf (1646 N) to 1647 lbf (7325 N) peak force
- Choice of system configuration
- Vertical isolation mounts
- Low frequency isolation trunnions
- Rigid trunnions
- Chamber interfaces
- Air glides



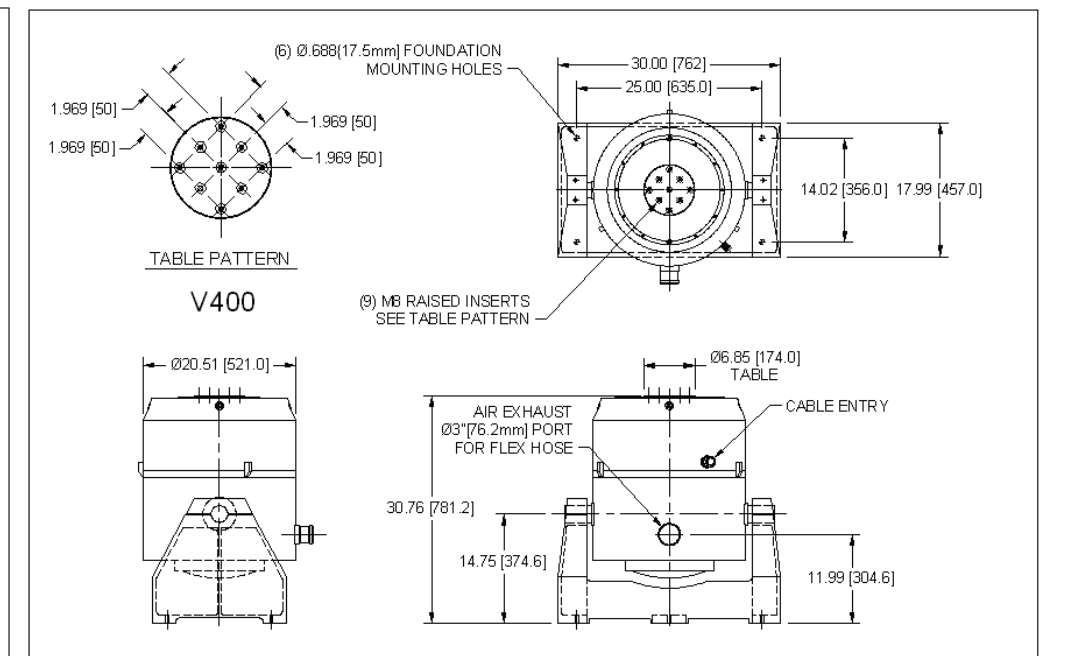
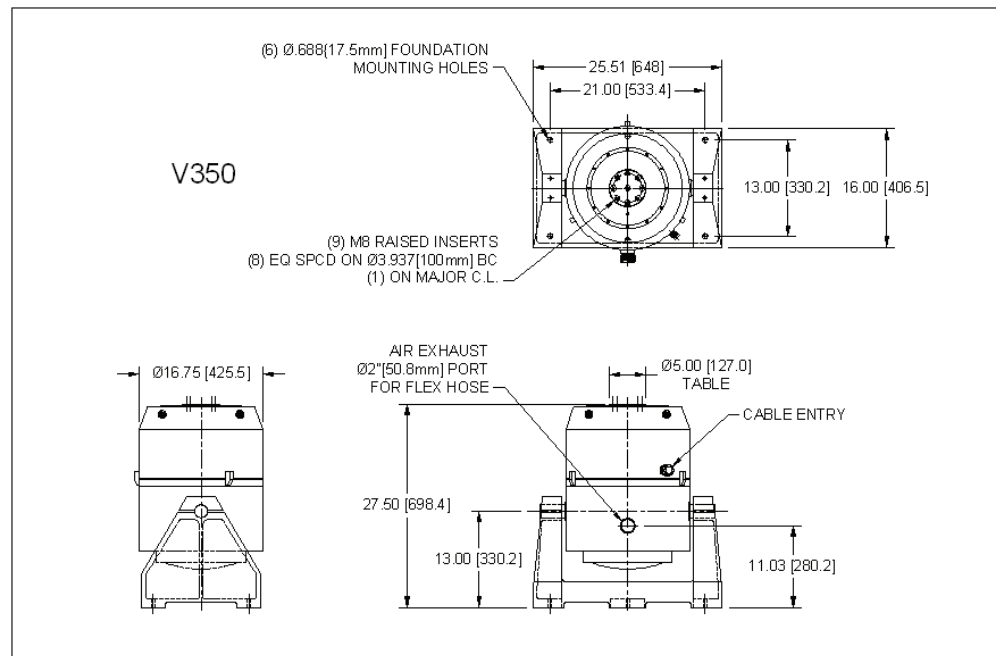
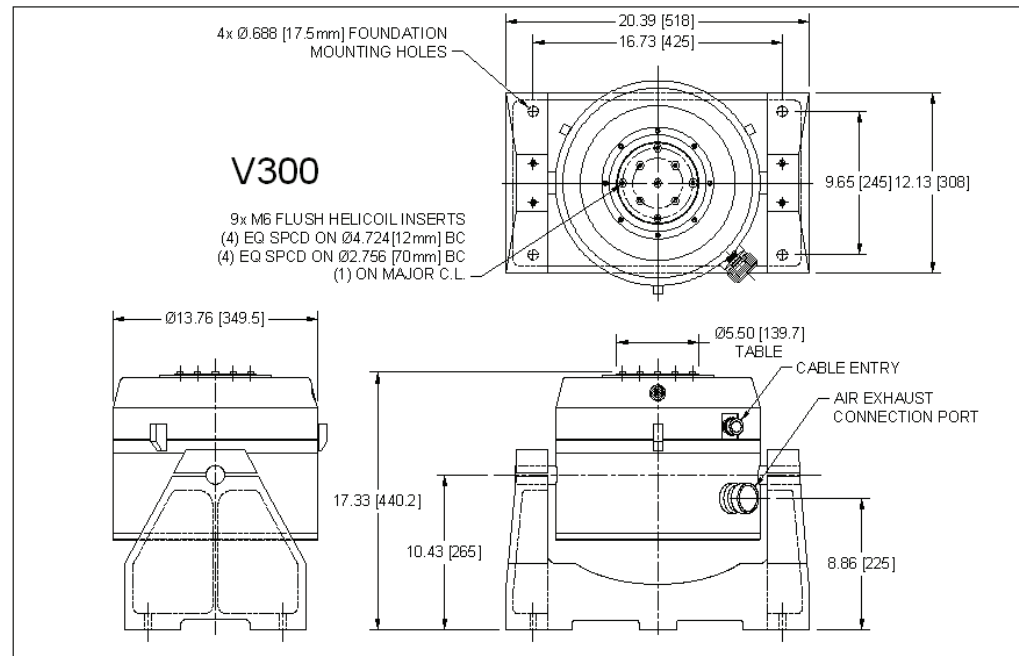
Data Physics' range of air-cooled shakers have found application testing in Formula 1 racing cars, mobile telephones, health & safety type approvals, materials analysis, avionics systems and electronic sub-systems testing. These shakers provide high lateral and torsional stiffness to provide maximum stability and support. Thus producing high performance and low distortion levels.

**SignalForce**  
**Shakers**

	Maximum Sine Force (pk)			Maximum Random Force (rms)			Maximum Shock Force*			Maximum Acceleration (Sine)		Maximum Velocity		Rated Travel Peak to Peak		Armature Diameter		Armature Mass		Insert Threads		Armature Resonance $\pm 5\%$	Frequency Range		Static Payload Support		Shaker Body Mass		Stray Magnetic Field @ 25 mm above table		Electrical Power Consumption
	lbf	N	kgf	lbf	N	kgf	lbf	N	kgf	g	m/s <sup>2</sup>	ips	m/s	in.	mm	in.	mm	lbs.	kg	SAE	Metric	Hz	Minimum	Maximum	lbs.	kg	lbs.	kg	mT	Gauss	kVA
GW-V300/DSA5-1K	370	1646	168	190	850	87	784	3489	356	98	961.1	50	1.27	0.5	12.7	5.5	140	3.8	1.71	1/4-28	M6	4700	DC	5000	200	90	353	160	3.7	37	2.7
GW-V350/DSA5-1K	535	2380	243	295	1310	134	1134	5046	515	71	696.3	35.5	0.90	0.8	20.3	5.0	127	7.5	3.41	5/16-24	M8	3500	DC	4000	250	114	728	330	3.2	32	3.7
GW-V350/DSA5-2K	697	3100	316	505	2240	228	1477	6572	670	93	912.0	50	1.27	1.0	25.4	5.0	127	7.5	3.41	5/16-24	M8	3500	DC	4000	250	114	728	330	3.2	32	5.5
GW-V400LT/DSA5-2K	1034	4600	469	575	2560	261	2192	9752	994	57	559.0	32	0.81	1.0	25.4	13.1	333	18.0	8.18	5/16-24	M8	2900	DC	3000	350	160	1263	573	2.4	24	6.8
GW-V400LT/DSA5-5K	1349	6000	612	875	3900	398	2526	11236	1146	75	735.5	50	1.27	1.0	25.4	13.1	333	18.0	8.18	5/16-24	M8	2900	DC	3000	350	160	1263	573	2.4	24	12.6
GW-V400LT/DSA5-10K	1647	7325	747	935	4150	423	3485	15500	1581	91	892.4	60	1.52	1.0	25.4	13.1	333	18.0	8.18	5/16-24	M8	2900	DC	3000	350	160	1263	573	2.4	24	14.8
GW-V400/DSA5-2K	1034	4600	469	575	2560	261	2192	9752	994	90	882.6	32	0.81	1.0	25.4	6.9	174.5	11.5	5.22	5/16-24	M8	2800	DC	3000	350	160	1257	570	4.0	40	6.8
GW-V400/DSA5-5K	1349	6000	612	875	3900	398	2526	11236	1146	117	1147.4	50	1.27	1.0	25.4	6.9	174.5	11.5	5.22	5/16-24	M8	2800	DC	3000	350	160	1257	570	4.0	40	12.6
GW-V400/DSA5-10K	1647	7325	747	935	4150	423	3485	15500	1581	120	1176.8	60	1.52	1.0	25.4	6.9	174.5	11.5	5.22	5/16-24	M8	2800	DC	3000	350	160	1257	570	4.0	40	14.8

\* For 6ms half sine shock pulse.

# SignalForce



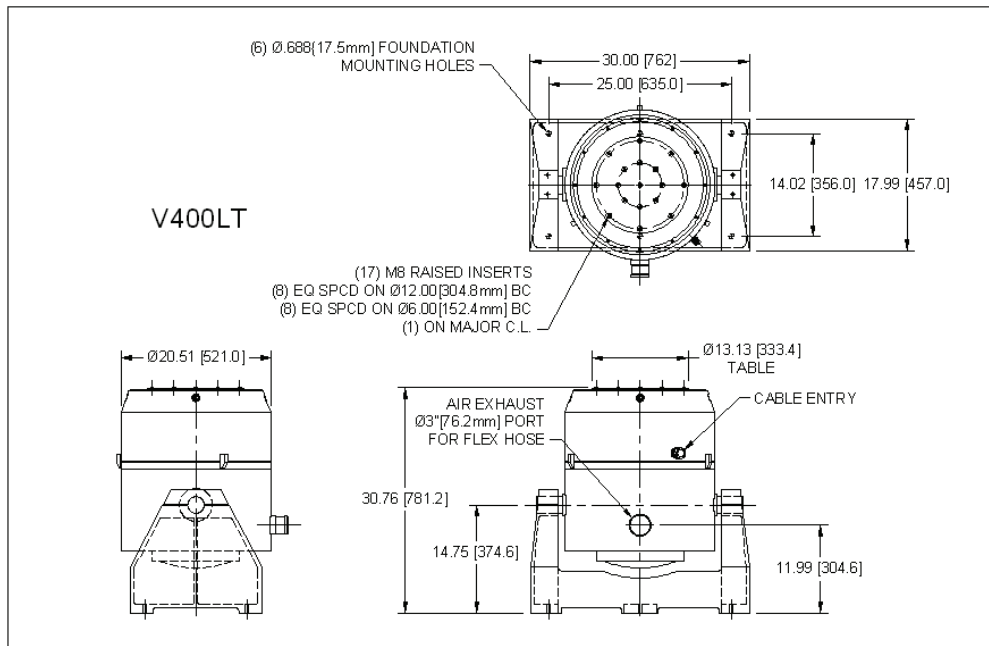
All specifications are subject to change without notice.

# Options

- Pneumatic isolation mounts with resonance <5Hz
- Rigid trunnions
- Isolated trunnions for horizontal and vertical operation
- Degaussing to reduce stray field
- Air glides for use with chambers
  - Head expanders
  - Thermal barriers

## Armature Insert Details

- V100: 1 centre, 4 on 42.5mm PCD, 4 on 85mm PCD
- V300: 1 centre, 4 on 70mm PCD, 4 on 120mm PCD
- V350: 1 centre, 8 on 100mm PCD,
- V400: 9 on 50mm grid
- V400LT: 1 centre, 8 on 152.4mm PCD, 8 on 304.8mm PCD



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