

Convection & Forced Air Cooled Shakers

V2

V4

V20

V55

V100

- Shakers from 2lbf (9N) to 225lbf (1kN)
- 9 variants
- Good axial and torsional stability
- Special suspension options



Data Physics' range of small shakers are in use all over the world. Some have even been taken into space for special experiments under zero gravity conditions. Applications have included medical research, electronic component testing, materials analysis, automotive component testing, tyre balancing and actuator applications for antenna positioning using low axial stiffness special suspension units. The V20, V55 and V100 may also be supplied in monobase structures for combined and horizontal testing.

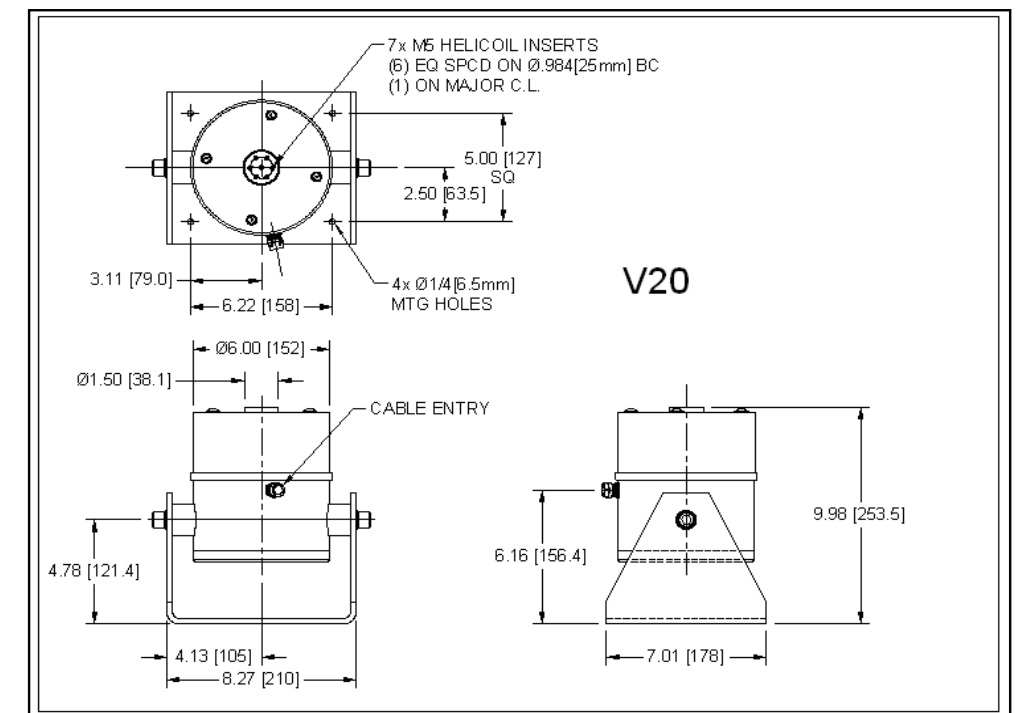
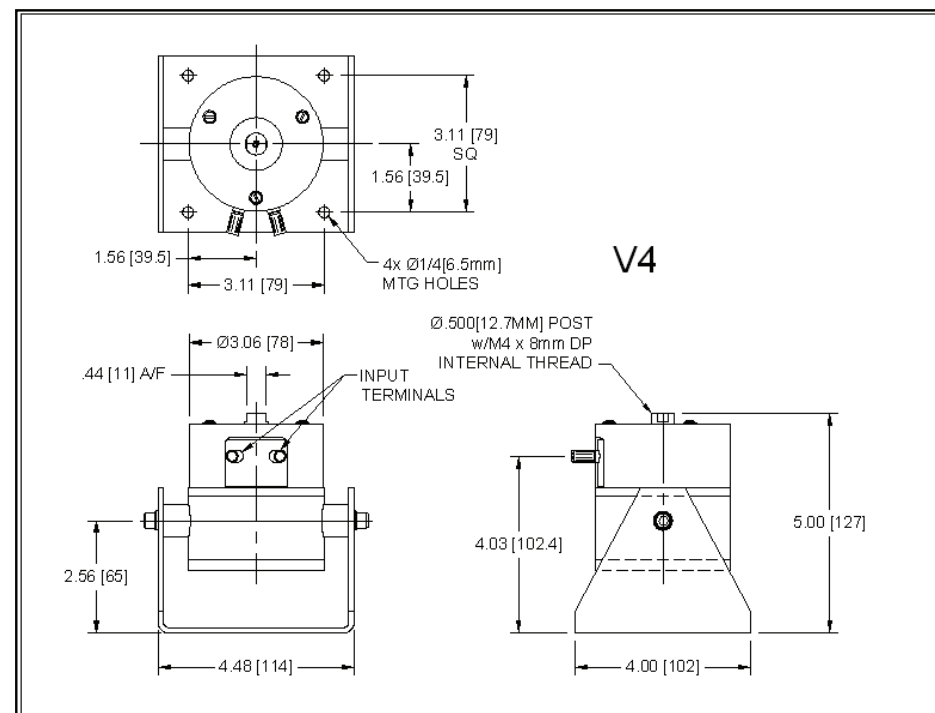
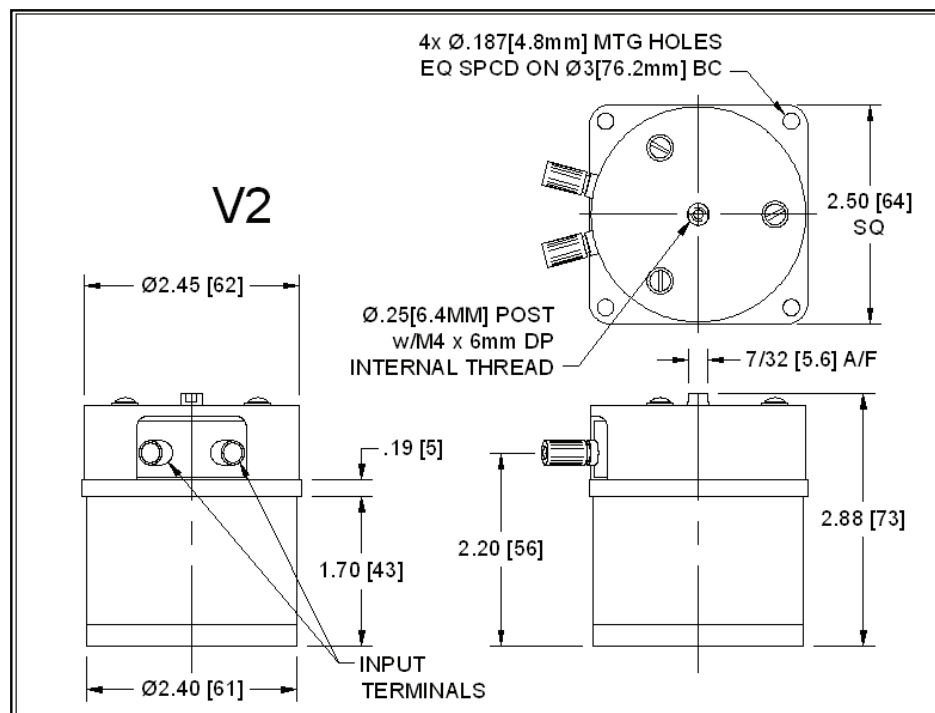
SignalForce
Shakers

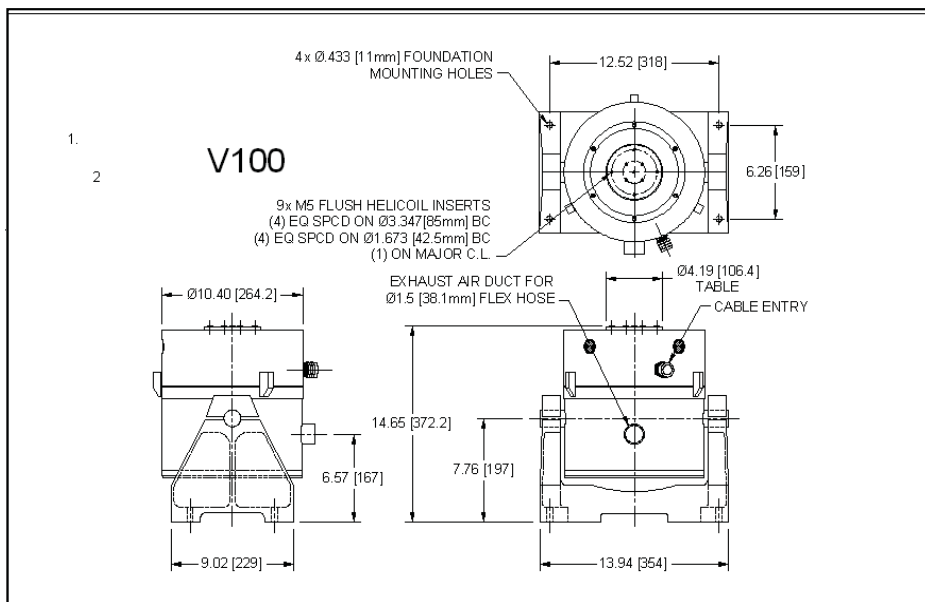
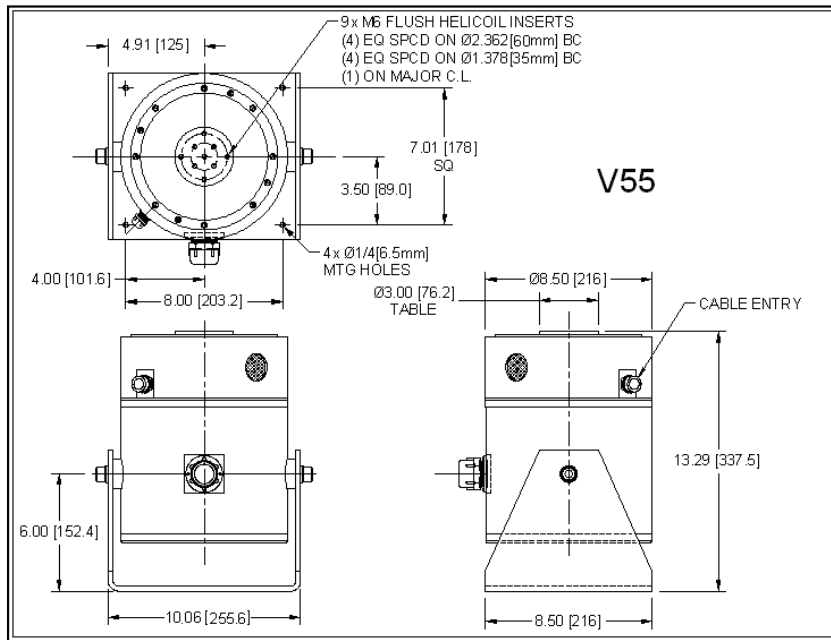
	Maximum Sine Force			Maximum Random Force			Maximum Shock Force*			Maximum Acceleration (Sine)		Maximum Velocity		Rated Travel Peak to Peak		Armature Diameter		Armature Mass		Insert Threads		Armature Resonance $\pm 5\%$	Frequency Range		Static Payload Support-Axial Stiffness		Shaker Body Mass**		Electrical Power Consumption (kVa)
	lbf	N	kgf	lbf	N	kgf	lbf	N	kgf	g	m/s ²	ips	mps	in.	mm	in.	mm	lbs.	kg	SAE	Metric	Hz	Minimum	Maximum	lbf/in.	kgf/mm	lbs.	kg	
GW-V2/PA30E	2.0	9.0	0.9	0.7	3.0	0.3	6.1	27.0	2.8	91	892.4	29	0.73	0.1	2.5	Spigot	0.02	0.01	-----	M4	11500	DC	12000	17.9	0.32	1.87	0.85	0.10	
GW-V4/PA30E	4.0	17.8	1.8	1.3	5.9	0.6	12.0	53.4	5.4	91	892.4	59	1.49	0.2	5.0	Spigot	0.04	0.02	#10-32	M4	12000	DC	14000	25.2	0.45	3.88	1.76	0.10	
GW-V20/PA30E	12.0	53.0	5.4	4.0	17.6	1.8	36.0	159	16.2	32	313.8	45	1.14	0.4	10.0	1.5	38.0	0.37	0.17	#10-32	M5	12000	DC	14000	63.8	1.14	36	16.3	0.10
GW-V20/PA100E	22.5	100	10.2	7.4	33.0	3.4	68.0	300	30.6	60	588.4	60	1.51	0.4	10.0	1.5	38.0	0.37	0.17	#10-32	M5	12000	DC	14000	63.8	1.14	36	16.3	0.20
GW-V20/PA300E	35.0	155	15.8	13.0	58.0	5.9	105	465	47.4	90	882.6	70	1.78	0.4	10.0	1.5	38.0	0.37	0.17	#10-32	M5	12000	DC	14000	63.8	1.14	36	16.3	0.60
GW-V55/PA100E	32.0	142	14.5	11.0	50.0	5.1	96.0	426	43.4	28.9	283.4	32	0.81	0.5	12.7	3.0	76.2	1.10	0.50	1/4-28	M6	7000	DC	8000	100.2	1.79	94.14	42.7	0.20
GW-V55/PA300E	70.0	310	31.6	25.0	110	11.2	210	930	94.8	63	617.8	45	1.14	0.5	12.7	3.0	76.2	1.10	0.50	1/4-28	M6	7000	DC	8000	100.2	1.79	94.14	42.7	0.60
GW-V55/DSA5-1K	100	444	45.3	36.0	160	16.3	300	1332	136	90	882.6	60	1.52	0.5	12.7	3.0	76.2	1.10	0.50	1/4-28	M6	7000	DC	5000	100.2	1.79	94.14	42.7	1.00
GW-V100/DSA5-1K	225	1000	102	120	533	54.4	675	3000	306	100	980.7	65	1.65	0.5	12.7	4.0	102	1.70	0.77	#10-32	M5	6850	DC	5000	170.2	3.04	155	70	1.50

*Note- At 3 mSec
 ** Note- Includes Trunnion

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Options

- Beryllium copper spiders for V2 and V4 shakers to reduce axial stiffness
- Trunnions for models V4, V20, V55 and V100
- Three axis testing configurations for models V20, V55 and V100
- Metric & Imperial table threads



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