

Modal shakers are used to excite a structure via the central spigot with a connecting rod (stinger), so that energy can be input without the mass or dynamics of the shaker affecting the response of the structure. Modal shakers exhibit almost zero axial stiffness through the use of a linear guidance bearing. They also bear no load and have no suspension system.

Features

- Linear bearings
- Near-zero axial stiffness
- Near-zero mechanical damping

Typical Applications

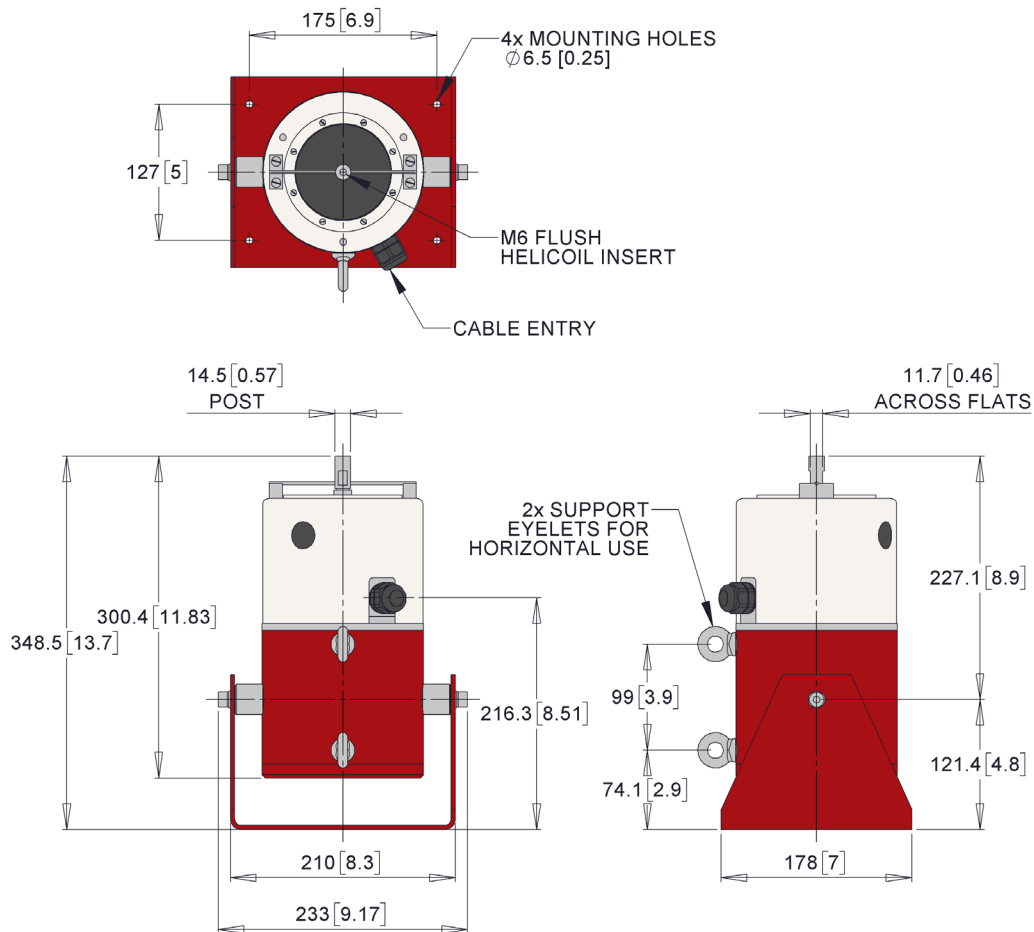
- Airframe structural testing
- Automotive chassis testing
- Space laboratory structural testing
- Self-supported structural testing



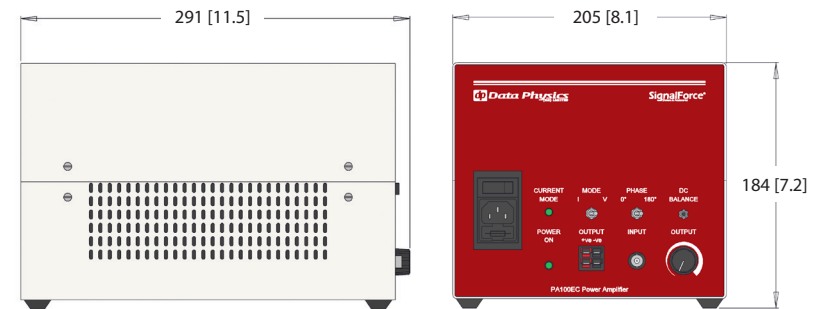
	Maximum Sine Force (pk)			Maximum Velocity		Rated Travel Peak to Peak		Spigot Diameter*		Moving Mass		Spigot Threads	Frequency Range		Electrical Power Consumed
	lbf	N	kgf	ips	m/s	in	mm	in	mm	lbs	kg		Min.	Max.	
M20/PA100EC	18	80	8.2	60	1.52	1.0	25.4	0.6	14.5	0.4	0.19	M6	DC	1000	0.1
M50/PA300EC	54	240	24.5	60	1.52	1.0	25.4	0.9	23.8	1.0	0.45	M6	DC	1000	0.6
M50/PA1000EC	74	330	33.7	60	1.52	1.0	25.4	0.9	23.8	1.0	0.45	M6	DC	1000	1.5
M150/PA1000EC	150	666	67.9	60	1.52	1.0	25.4	0.9	23.8	1.5	0.68	M8	DC	1000	2.9
M200/PA1000EC	275	1225	124.9	60	1.52	1.0	25.4	1.16	29.4	3.0	1.36	M8	DC	1000	3.7
M350/PA1000EC	475	2115	215.7	60	1.52	1.0	25.4	1.34	34.0	6.8	3.1	M12	DC	1000	5.5

*Alternate spigot threads can be provided in SAE equivalents & must be specified upon order placement.

M20

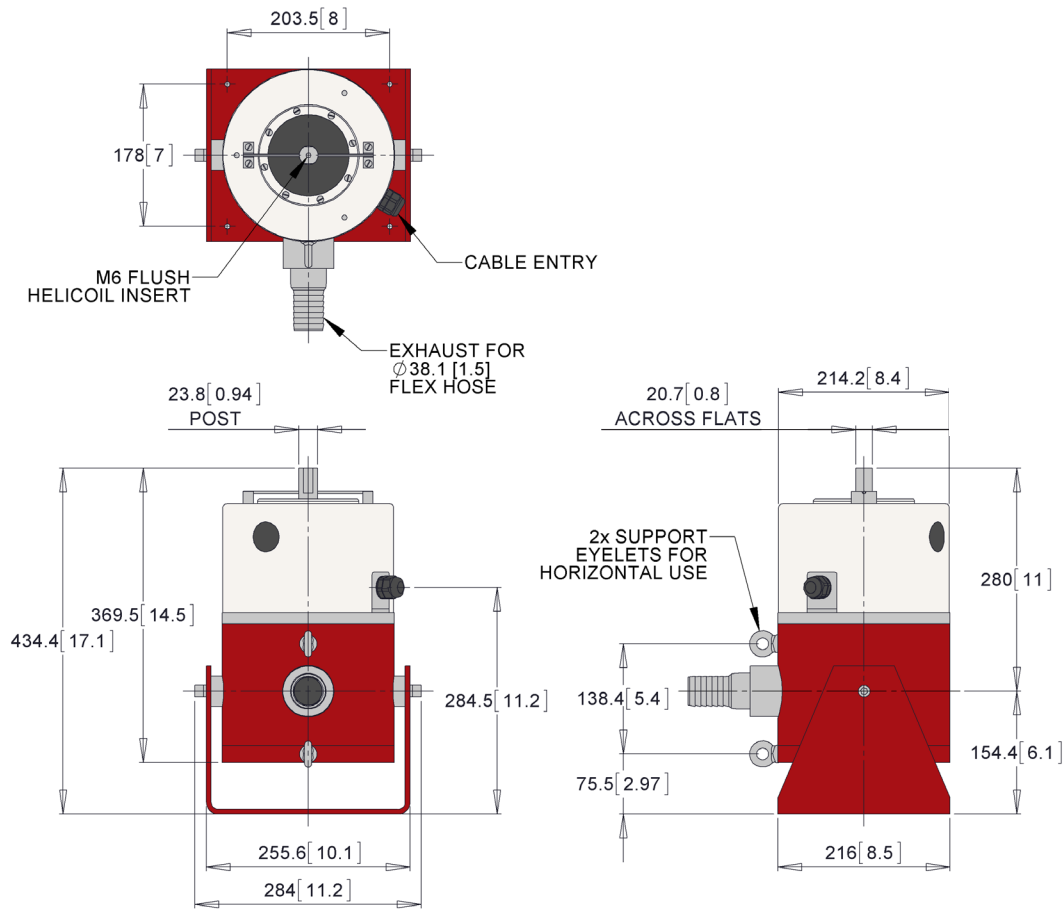


PA100EC Amplifier



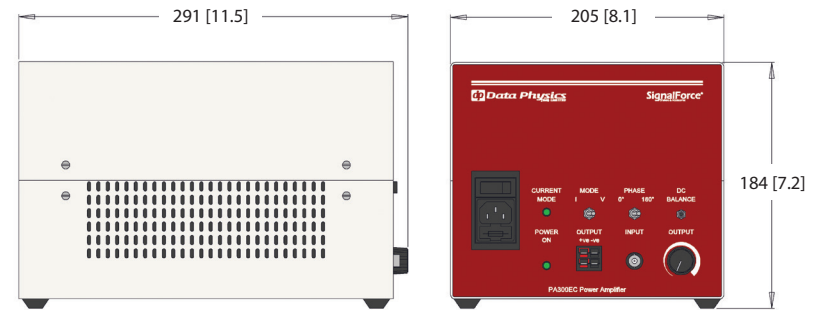
Measures are in millimeters [inches].

M50



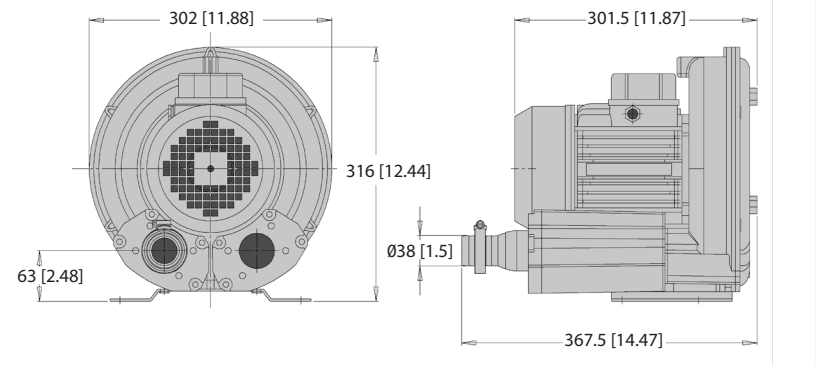
Measures are in millimeters [inches].

PA300EC Amplifier

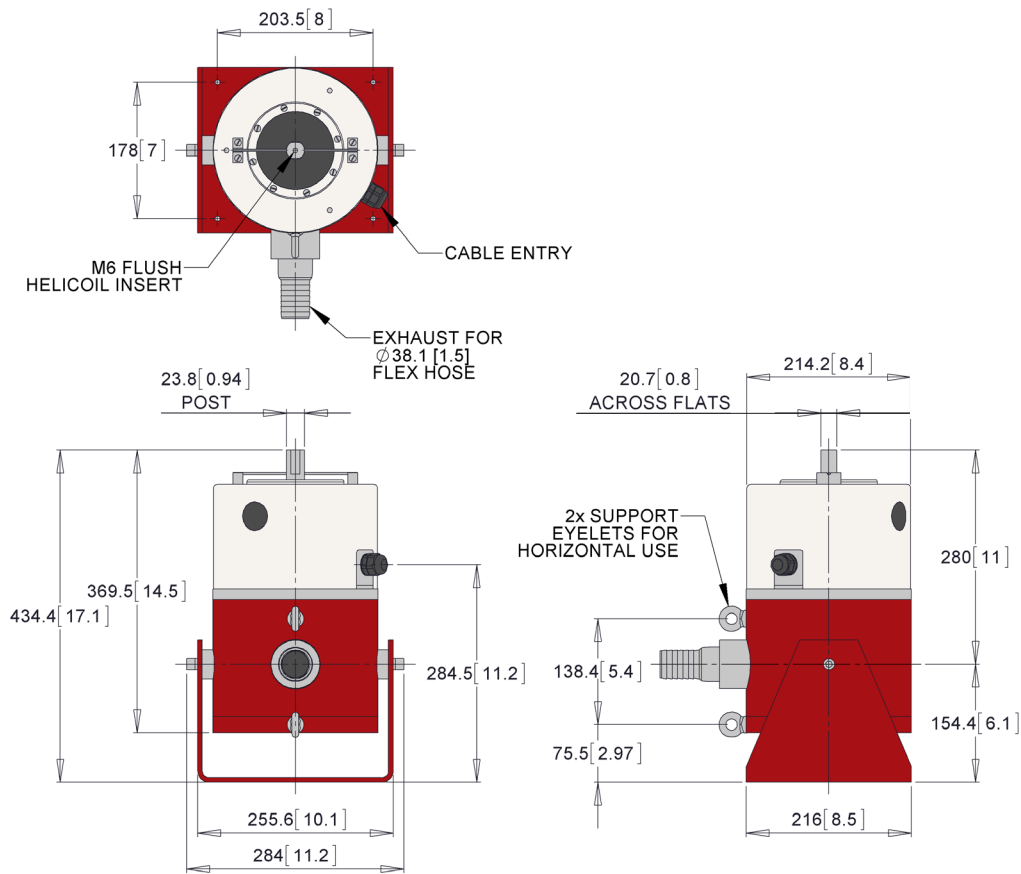


Cooling Blower

Supplied hose length is 3 M (10 ft).

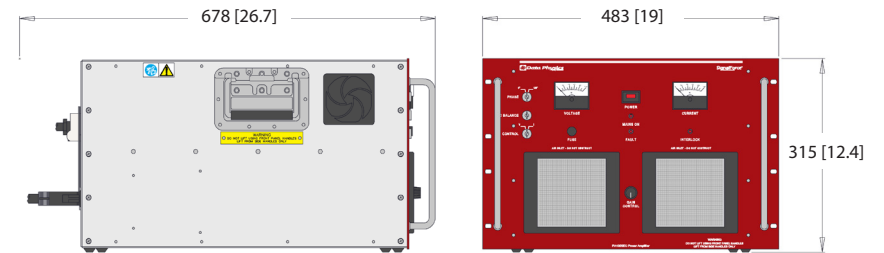


M50



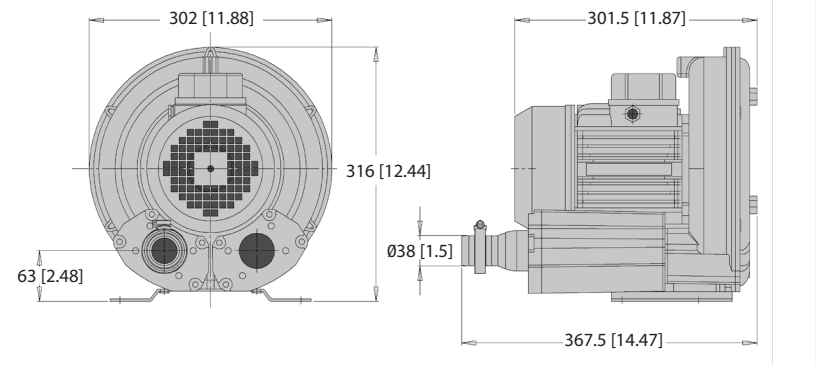
Measures are in millimeters [inches].

PA1000EC Amplifier

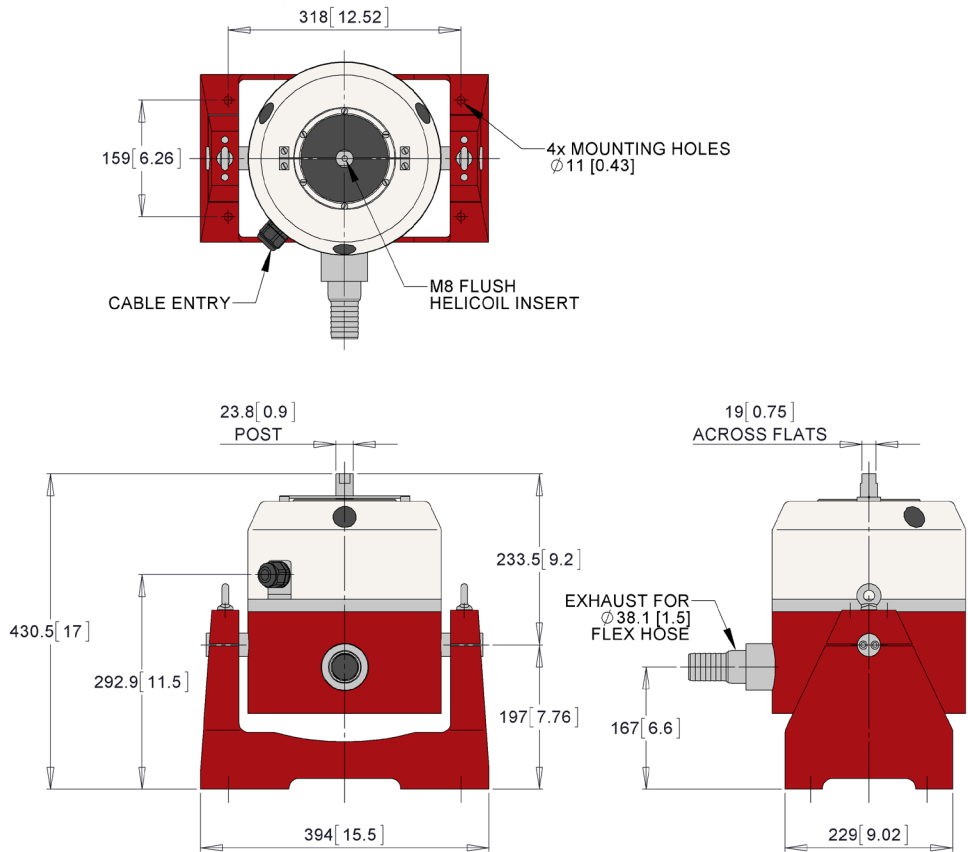


Cooling Blower

Supplied hose length is 3 M (10 ft).

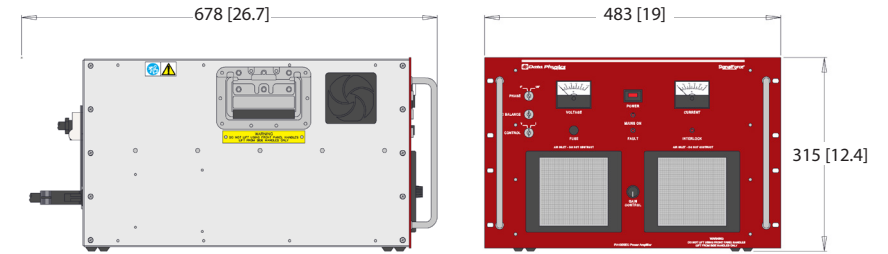


M150

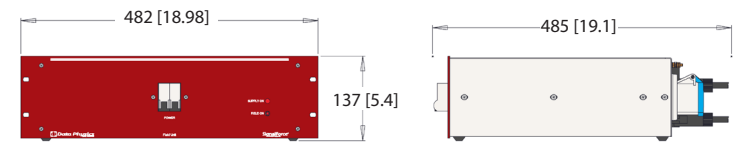


Measures are in millimeters [inches].

PA1000EC Amplifier

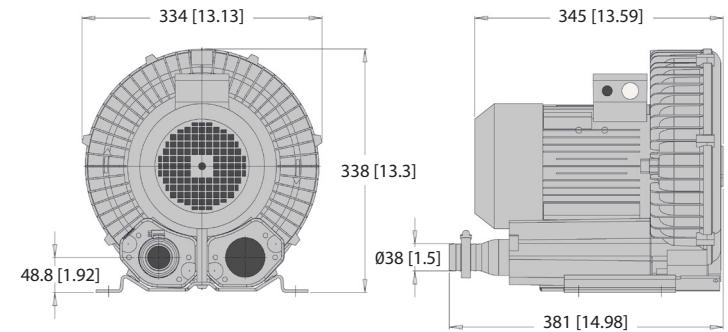


DC Field Supply

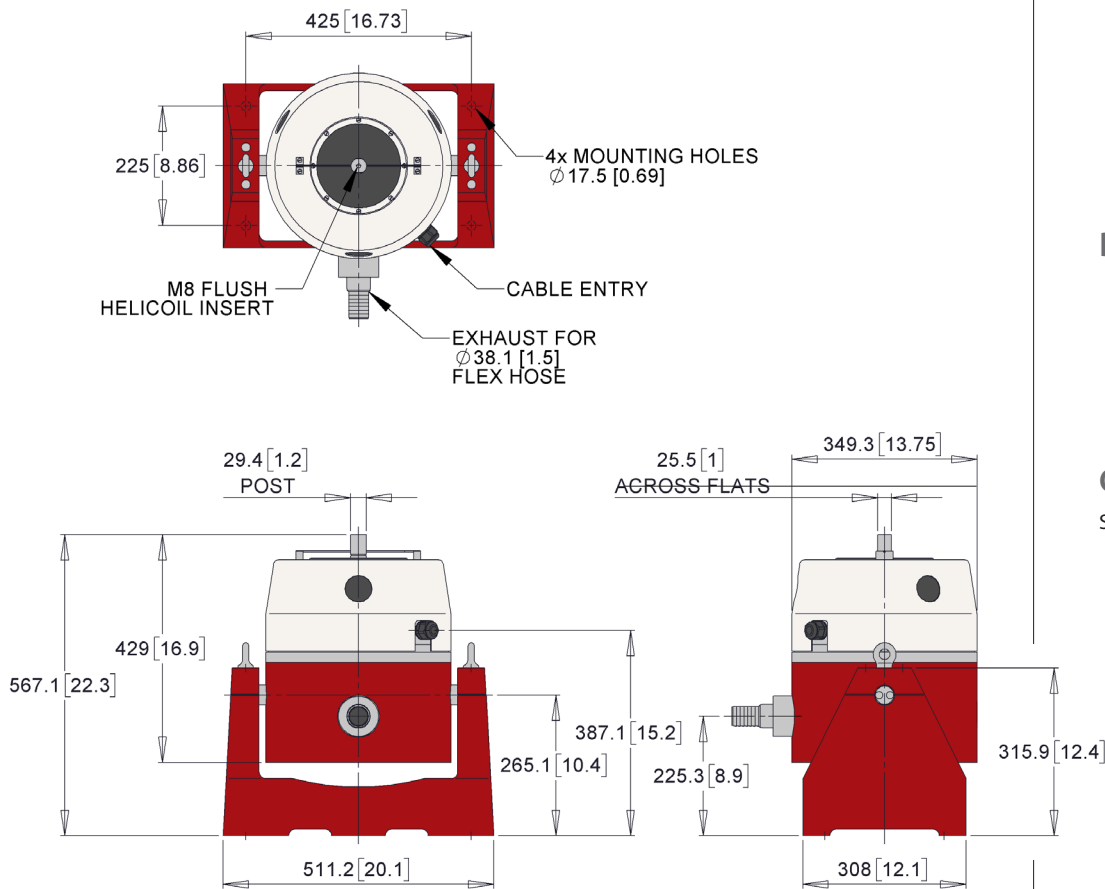


Cooling Blower

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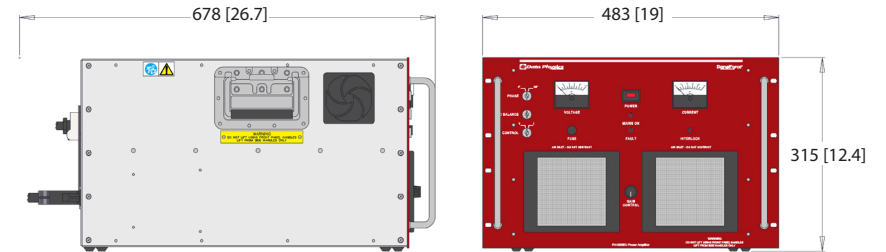


M200

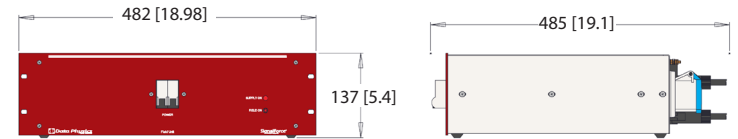


Measures are in millimeters [inches].

PA1000EC Amplifier

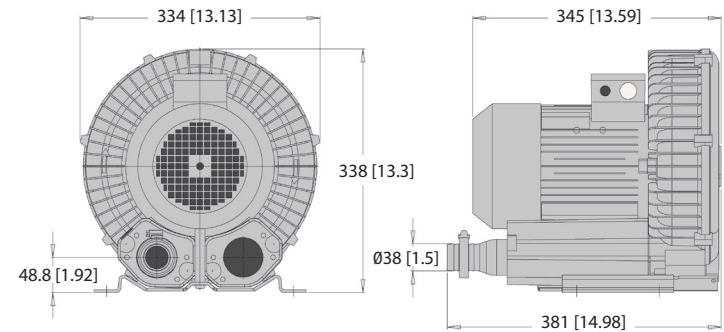


DC Field Supply

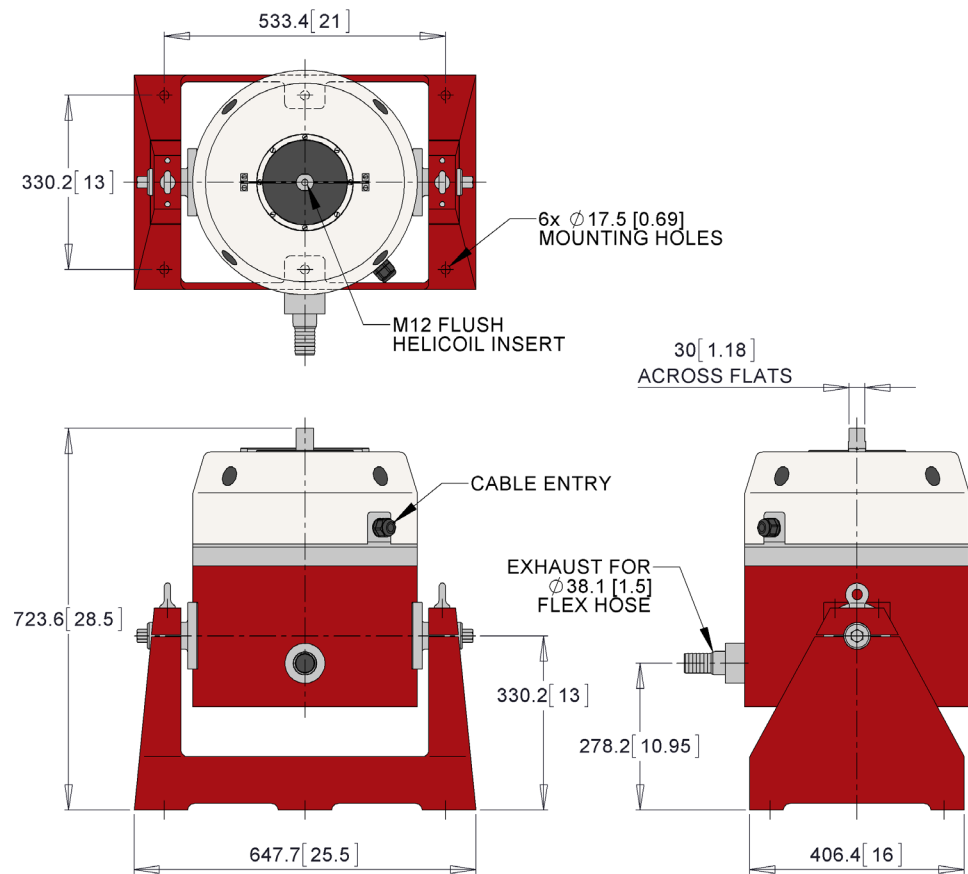


Cooling Blower

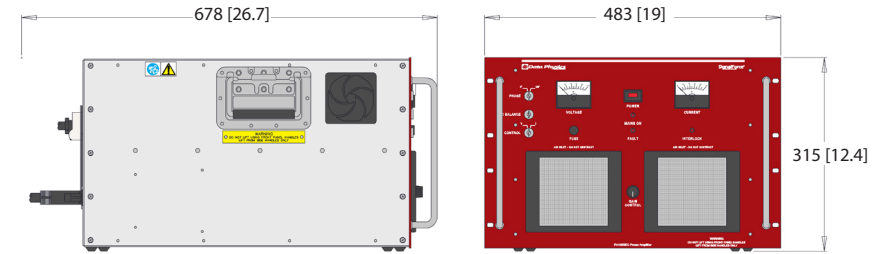
Supplied hose length is 3 M (10 ft).



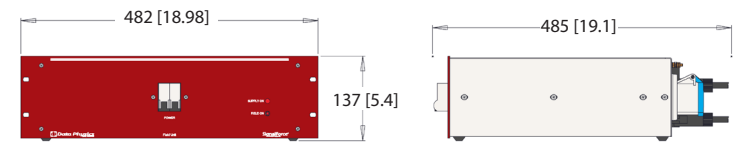
M350



PA1000EC Amplifier

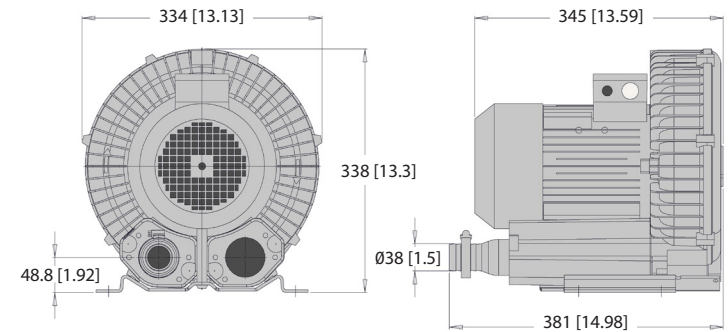


DC Field Supply



Cooling Blower

Supplied hose length is 3 M (10 ft).



Measures are in millimeters [inches].