

AIRMATIC®

WE'LL HANDLE IT.



***martin*®**

Mobile/Truck Vibrators

Electric, Hydraulic, & Pneumatic Solutions

AIRMATIC

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Adding a **COUGAR® TRUCK VIBRATOR** not only saves you money on costly repairs to your trucks, it increases productivity by eliminating carryback – You gain more payload per cycle which means fewer cycles per job. Fewer cycles give you lower labor and fuel costs and decrease vehicle wear. Material is evenly distributed during spreading. Cougar Truck Vibrators eliminate bed cleanout time and the need for workers to climb into the truck beds to manually remove material, resulting in lower worker's compensation claims.

- Easy, low-cost installation
- Shielded, oversized, permanently-lubricated ball bearings that assure exceptional service life
- Sealed against dirt, dust, and water for long life in extreme conditions
- Small size and light weight with high-speed, low-amp electric motors

Cougar Vibration patented the world's first 12-volt truck vibrator in 1964 and has steadfastly remained focused on industrial vibration. Martin Engineering purchased Cougar in 2010 making Martin the world's leader in industrial vibration.

ELECTRIC MOBILE/TRUCK

DC-3200/-2500/-1100, DC1-400 & DC-200/-80

A complete line of rugged, durable truck vibrators, Cougar 12/24 Volt DC Mobile Vibrators improve the speed and control of material flow from dump trucks and other self-powered heavy equipment. Shielded, oversized, permanently-lubricated ball bearings assure exceptional service life. Sealed against dirt, dust, and water for long life in extreme conditions. Small size and light weight with high speed, low-amp electric motors. Easy, low-cost installation.



DC-3200 /-2500/-1100
12/24 volt DC vibrators ideal for:

- Dump trucks
- Mounted spreaders
- Sanitation, pumper and vacuum trucks



DC1-400
12/24 volt DC vibrator
ideal for:

- Concrete pumps



DC-200/-80
12 volt DC vibrators ideal for:

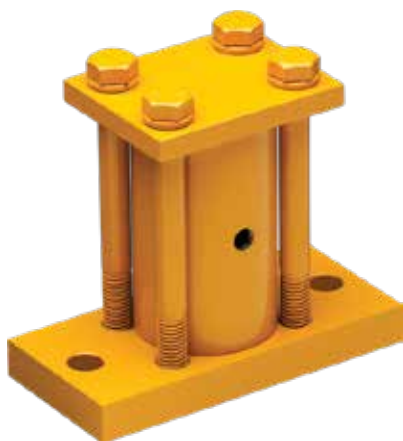
- ATV or tailgate spreaders
- Mixer truck charge chutes



HYDRAULIC MOBILE/TRUCK VIBRATORS

NHD-110 / HYDRAULIC POWER / ROTATIONAL FORCE

- Strong ductile iron for maximum durability in continuous duty applications.
- Requires minimal maintenance.
- Efficient motor designed for minimal power consumption with low noise output.



PNEUMATIC MOBILE/TRUCK VIBRATORS

5016 / PNEUMATIC POWER / LINEAR FORCE

Options include:

- Internal spring for positive starting
- Manifold/muffler for quiet operation



ATU-43 / PNEUMATIC POWER / ROTATIONAL FORCE

- Optional speed muffler allows precision control of force and speed (regular muffler comes standard).
- Lower air consumption than comparable air vibrator.
- Low 62-78 dBA noise level is well below OSHA standards.
- Excellent power to weight ratio with a 350°F temperature rating.
- Durable anodized aluminum finish provides a tough exterior (paint optional).
- No lubrication required.

SELECTION CHART MOBILE/TRUCK VIBRATOR

								
		TRUCK			DUMP/TRANDEM LIVE BOTTOM	SPREADERS SLIDE-IN	SPREADERS MOUNTED	SPREADERS TAILGATE/ATV
		1-5 yds	5-10 yds	10-15 yds	15-30 yds	5-10 yds	5-10 yds	2.2-4 yds
	DC-3200			X	X		X	
	DC-2500		X			X		
	DC-1100	X						
	DC-400							
	DC-200							
	DC-80							X
	DC-40							
	THD-2500 Hydraulic			X	X			
	APS-200 Pneumatic							
	ATU-43 Pneumatic							

					
SPREADERS TAILGATE/ATV	CONCRETE PUMPER	SANITATION, PUMPER, AND VACUUM TRUCKS	VOLUMETRIC MIXERS	MIXER TRUCKS	GRAIN TRAILERS
2-4 yds					
		X			
		X			
	X				
X					
		X			
		X			
			X		X
				X	

Accessory Parts			Applicable Vibrator Models						
Description		Part #	DC-80	DC-200	DC-1100	DC-2500	DC-3200	DC1-400	NHD-110
Timer 12 Volt 45 secs on, 90 secs off		197266	X	X	X	X	X	X	
Timer 12 Volt 5 secs on, resets after 10 secs		197266-01	X	X	X	X	X	X	
Timer 12/24 Volt 1-100 secs on, 1-100 secs off		197265	X	X	X	X	X	X	
Circuit Breaker	12 Volt	193215			X	X	X	X	
	24 Volt	193218			X	X	X	X	
Truck Mount Kit	12 Volt	221615						X	
	24 Volt	221616						X	
	12 Volt	221611			X	X			
	24 Volt	221624			X	X			
	12 Volt	221625					X		
	24 Volt	221623					X		
	12 Volt Aluminum	221617			X	X			
	12 Volt Aluminum	221618					X		
	12 Volt	221614						X	
	24 Volt	221619						X	
Mount Plates		220505						X	
		220491-01	X	X					
		220525			X	X			
		220526					X		X
Aluminum Mount Plates		220581			X	X			
		220582					X		X
Control Kit		196854-01	X	X					
Trailer Connector	Plug	194996			X	X	X		
	Socket	194997			X	X	X		
Truck Cable Per Foot (Must specify length)		195103			X	X	X		
		195109						X	

Hydraulic Vibrator Performance								
Model	In. Lbs	VPM	Force Lbs	GPM	VPM	Force Lbs	GPM	Max PSI
THD-2500	8	9 3/4	6 7/8	2	8	5/8	3/4-16 SAE	2000

Hydraulic Vibrator Dimensions (inches)				Bolt	Pattern	Bolt Size	Port	Weight (lbs)
Model	A	B	C	D	E	F	G	
THD-2500	8	9 3/4	6 7/8	2	8	5/8	3/4-16 SAE	38

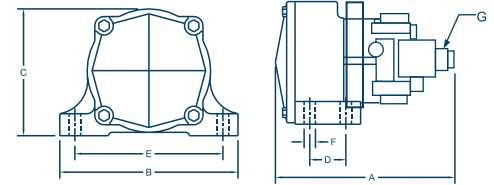
12/24 Volt DC Performance					
Model	In. Lbs	VPM	Force Lbs	Amps (12V)	Amps (24V)
DC-3200	7.00	4000	3200	85	62
DC-2500	3.50	5000	2500	72	55
DC-1100	1.50	5000	1000	70	55
DC1-400	1.00	3800	410	15	7
DC-200	0.36	4500	200	5	-
DC-80	0.18	4000	80	5	-

12/24 Volt DC Dimensions (inches)				Bolt	Pattern	Bolt Size	Weight (lbs)
Model	A	B	C	D	E	F	
DC-3200	10 3/8	9 3/4	6 7/8	2	8	5/8 x 1 3/4	36
DC-2500	10	9 3/4	6 7/8	-	8	5/8 x 1 3/4	31
DC-1100	10	9 3/4	6 7/8	-	8	5/8 x 1 3/4	30
DC1-400	9 1/16	6 3/8	5 9/16	3 3/4	5	3/8 x 1 1/2	18
DC-200	5 11/16	5	3 7/16	2	4	3/8 x 1 1/4	5
DC-80	5 11/16	5	3 7/16	2	4	3/8 x 1 1/4	5

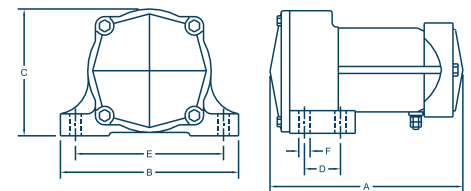
Pneumatic Vibrator Air Performance							
Model	Piston Size	40 PSI		60 PSI		Max 80 PSI	
		VPM	CFM	VPM	CFM	VPM	CFM
AP5-200	2	2610	9	3180	14	3600	18
ATU-43	-	-	-	11700	9.4	13000	11.7

Pneumatic Vibrator Dimensions (inches)								
Model	Piston Size	A	B	C	Bolt	Bolt Size	Port NPT	Weight (lbs)
					D	F	G	
AP5-200	2	7 1/2	3 1/2	7	6	5/8	1/4	20
ATU-43	–	5 3/4	2 1/4	3 5/32	4	3/8	1/4	3

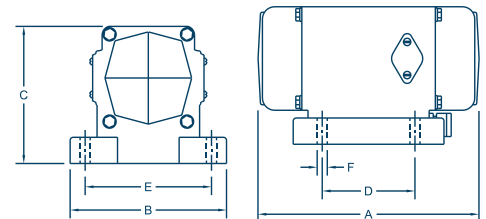
THD-2500



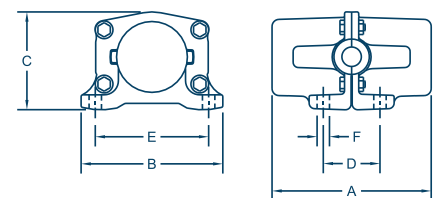
DC-2500/-1100



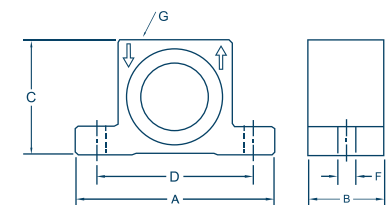
DC1-400



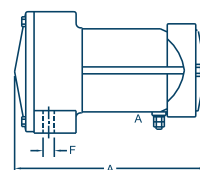
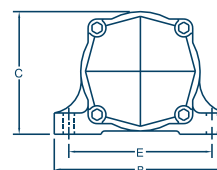
DC-80/-200



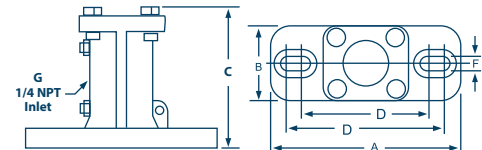
ATU-43



DC-3200



AP5-200





AIRMATIC INC founded in 1944, is a woman-owned Industrial Distributor, with installation and maintenance capabilities, offering equipment, machinery, and shop supplies to the Industrial, Construction, Utility, Government, and Commercial Markets. Our products and services are sold through three business units:

The **MATERIALS MANAGEMENT GROUP** provides products and services to industries that convey, store, transport, and process powders and bulk solids from aggregates, cement, and chemicals to foods, grains, metals, power generation, and waste water treatment applications;

The **SERVICE GROUP** provides fabrication, installation, and maintenance services to improve bulk materials handling efficiency; mechanical clean-out services for silos and hoppers to eliminate material flow problems; and shop repair/rebuilding and modifications services of products sold by the Company.

The **TOOL GROUP** provides power tools, personal protective equipment, materials-handling equipment, shop equipment and MRO supplies used for production, fabrication, assembly, metal removal, maintenance, and storage in manufacturing, construction, utility, and commercial applications. Our Customers tell us that by choosing **AIRMATIC** to solve their problems, they gain increased productivity, decreased costs, and a safer, cleaner work environment.



MARTIN ENGINEERING is the leading global supplier of system to make the handling of bulk materials cleaner, safer, and more productive. Since its founding in 1944, the company has grown dramatically through the development of solutions to help the solids-handling industries around the world. MARTIN ENGINEERING's success can be attributed to the development of practical, field-proven, cost-effective answers for "real life" problems. MARTIN® Products are designed for tough industrial conditions; they are built to allow easy maintenance; they are engineered for simplicity, cleanliness, safety, and efficiency; they are personalized to meet each customer's unique requirements.

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