



COUGAR® TRUCK VIBRATORS

MOBILE VIBRATION SOLUTIONS

L3608





THE MOST RUGGED, RELIABLE TRUCK VIBRATORS ON THE MARKET.

Cougar® • The pioneer in truck vibrators since 1964.

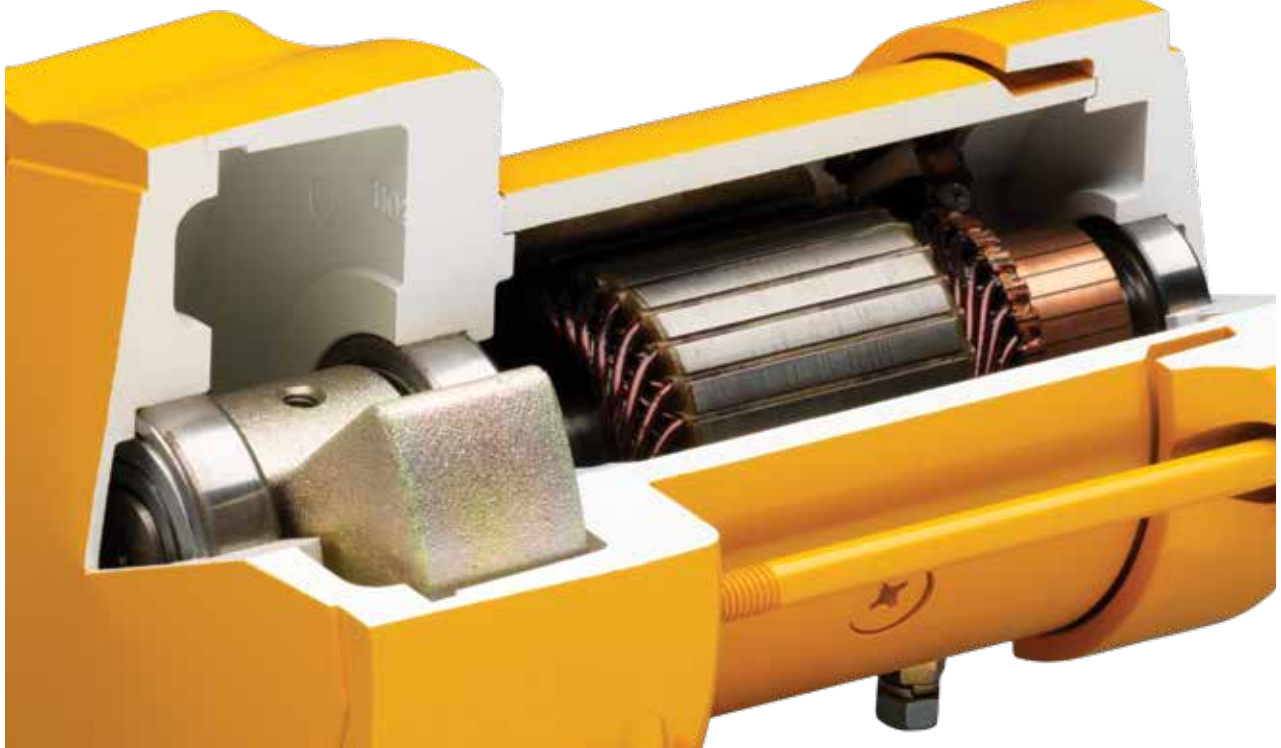


Adding a Cougar® Truck Vibrator not only saves you money on costly repairs to your trucks, it increases productivity by eliminating carryback. Cougar® Truck Vibrators give you more payload per cycle and fewer cycles per job. Fewer cycles lower labor and fuel costs and decrease vehicle wear. Material 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 workman compensation claims.

THE PIONEER IN TRUCK VIBRATORS

Cougar Vibration patented the world's first 12-volt truck vibrator in 1964 and has steadfastly remained focused on industrial vibration. Cougar has since become a name synonymous with exceptional quality products, workmanship, and service support.

Martin Engineering purchased Cougar in 2010, making Martin the world leader in industrial vibration. Established in 1944, Martin is the primary international developer, manufacturer, and supplier of innovations to make the handling of bulk materials cleaner, safer and more productive.



ELECTRICS

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



DC-3200



DC1-400



DC-80

The complete line of Cougar® 12/24 Volt DC Mobile Vibrators improves 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

Rugged and durable





▲ Cougar® DC-3200 Electric Vibrator on a dump truck.

HYDRAULICS & PNEUMATICS

THD-2500, AP5-200 & ATU-43



THD-2500 / HYDRAULIC POWER / ROTATIONAL FORCE

High-strength aluminum housing for maximum durability in continuous-duty applications

Efficient motor designed for minimal power consumption with low noise output

Requires minimal maintenance



AP5-200 / PNEUMATIC POWER / LINEAR FORCE

Manifold/muffler for quiet operation

Air-cushioned, non-impacting action

Optional internal spring for positive starting

Universal mount - Replaces most 2" piston vibrators



ATU-43 / PNEUMATIC POWER / ROTATIONAL FORCE

Lower air consumption than comparable air vibrator

Excellent power-to-weight ratio

Low 62-78 dBA noise level is well below OSHA standards

Durable anodized aluminum finish provides a tough exterior

No lubrication required





▲ Cougar® Hydraulic Vibrator on a concrete pumper.

VIBRATOR SELECTION



	Dump Truck			Dump Truck Tandem Live Bottom	Spreaders Slide-In	Spreaders Mounted
	1-5 Yards	5-10 Yards	10-15 Yards	15-30 Yards	5-10 Yards	5-10 Yards
DC-3200			X	X		X
DC-2500		X			X	X
DC-1100	X					
DC1-400						
DC-200						
DC-80						
DC-40						
THD-2500 <i>Hydraulic</i>			X	X		
AP5-200 <i>Pneumatic</i>						
ATU-43						





Spreaders Tailgate or ATV		Concrete Pumper	Sanitations, Pumper, and Vacuum Trucks	Volumetric Mixers	Mixer Trucks	Grain Trailers
0.2-2 Yards	2.4 Yards					
			X			
			X			
		X				
	X					
X					X	
X						
			X			
				X		X
					X	

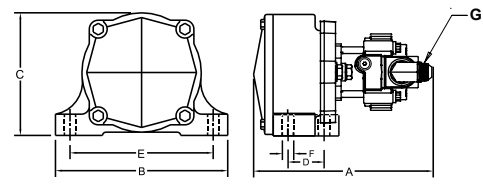
ACCESSORIES & SPECIFICATIONS

Accessory Parts			Applicable Vibrator Models						
Description	Part #		DC-80	DC-200	DC-1100	DC-2500	DC-3200	DC1-400	THD-2500
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	
Circuit Breaker	12 Volt	193215			X	X	X		
	24 Volt	193218			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	221620					X		
	24 Volt	221623					X		
	12 Volt Aluminum	221617			X	X			
	12 Volt Aluminum	221618					X		
	12 Volt	221614						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	



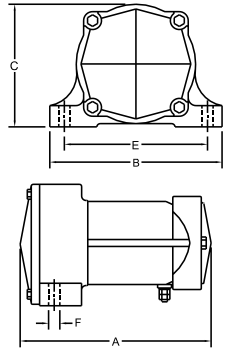
Hydraulic Vibrator Performance											
Model	In. Lbs	VPM	Force Lbs	GPM	VPM	Force Lbs	GPM	VPM	Force Lbs	GPM	Max PSI
THD-2500	6.00	2000	681	2.0	3000	1534	2.8	4000	2726	3.5	2000

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

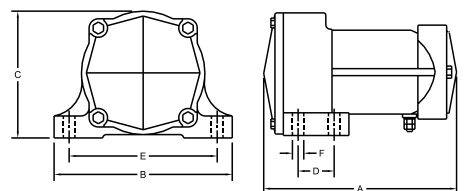


THD-2500

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	-

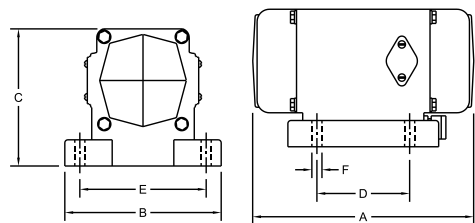


DC-2500/1100

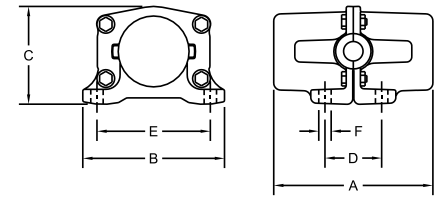


DC-3200

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

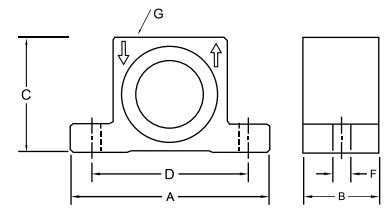


DC1-400

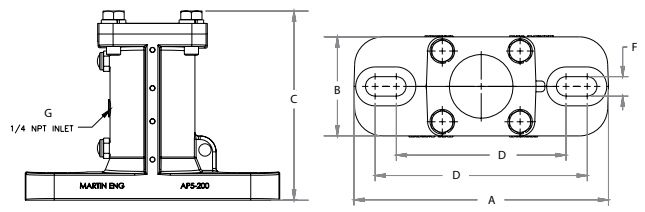


DC-80/200

Pneumatic Vibrator Air Performance							
Model	Piston Size	40 PSI		60 PSI		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	9	3 1/2	6 11/16	6" - 7 1/2"	5/8	1/4	18
ATU-43	-	5 3/4	2 1/4	3 5/32	4	3/8	1/4	3



AP5-200




GLOBAL LOCATIONS

 UNITED STATES

 AUSTRALIA

 BRAZIL

 CHINA

 FRANCE

 GERMANY


 INDIA

 INDONESIA

 MEXICO

 PERU

 SPAIN

 SOUTH AFRICA

 TURKEY

 UNITED KINGDOM

Authorized representatives in over 32 additional countries

MARTIN ENGINEERING USA

One Martin Place

Neponset, IL 61345-9766 USA

800-544-2947 or 309-852-2384

info@martin-eng.com

www.martin-eng.com

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