



COUGAR® TRUCK VIBRATORS

MOBILE VIBRATION SOLUTIONS

L3608



THE MOST RUGGED, RELIABLE TRUCK VIBRATORS ON THE MARKET.

Cougar® Vibrators • The pioneer in truck vibrators since 1964.



visit martin-eng.com | call 800-544-2947 | email info@martin-eng.com



ENGINEERED VIBRATION

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 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 workman 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

THE PIONEER IN TRUCK VIBRATORS

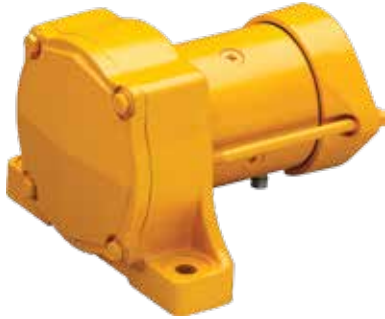
Cougar Vibration patented the world's first 12-volt truck vibrator in 1964 and has steadfastly remained focused on industrial vibration. Cougar has since become a name synonymous with exceptional quality products, workmanship and service support.

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



ELECTRICS

PAGE 6



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

HYDRAULICS & PNEUMATICS

PAGE 8



NHD-110

Hydraulic vibrator ideal for:

- Large dump trucks
- Sanitation, pumper and vacuum trucks



5016

Pneumatic piston vibrator ideal for:

- Volumetric mixers



ATU-43

Pneumatic turbine vibrator ideal for:

- Mixer trucks

FOR ACCESSORIES & SPECIFICATIONS, PLEASE SEE PAGES 10-11



ELECTRICS

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



DC-3200



DC1-400



DC-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.





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

HYDRAULICS & PNEUMATICS

NHD-110, 5016 & ATU-43



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.



5016 / PNEUMATIC POWER / LINEAR FORCE

Options include:

Air-cushioned, non-impacting action

Internal spring for positive starting

Universal mount

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).

Excellent power to weight ratio with a 350°F temperature rating.

Lower air consumption than comparable air vibrator.

Durable anodized aluminum finish provides a tough exterior (paint optional).

No lubrication required.

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





▲ Cougar® HA9 Hydraulic Vibrator on a concrete pumper.

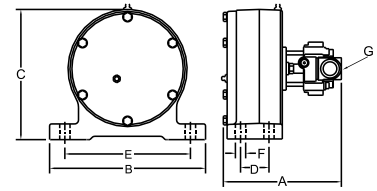
ACCESSORIES & SPECIFICATIONS

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	



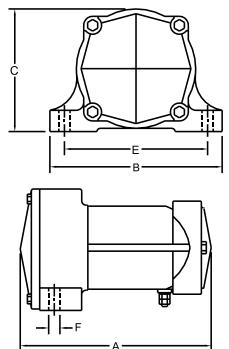
Hydraulic Vibrator Performance											
Model	In. Lbs	VPM	Force Lbs	GPM	VPM	Force Lbs	GPM	VPM	Force Lbs	GPM	Max PSI
NHD-110	6.00	2000	681	2.0	3000	1534	2.8	4000	2726	3.5	2000

Hydraulic Vibrator Dimensions (inches)							Bolt	Pattern	Bolt Size	Port	Weight (lbs)
Model	A	B	C	D	E	F				G	
NHD-110	7 1/2	10	8 5/8	2	8	5/8				3/4-16 SAE	37

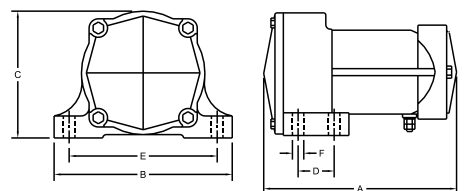


NHD-110

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	-

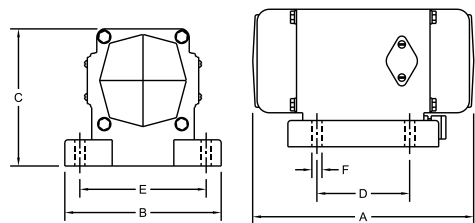


DC-2500/-1100

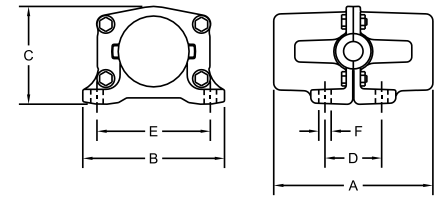


DC-3200

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

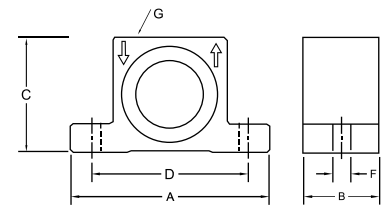


DC1-400



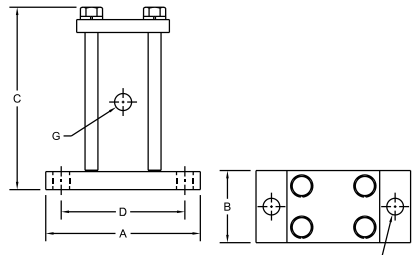
DC-80/-200

Pneumatic Vibrator Air Performance							
Model	Piston Size	40 PSI		60 PSI		Max 80 PSI	
		VPM	CFM	VPM	CFM	VPM	CFM
5016	2	2600	11	3900	16.1	4100	20.9
ATU-43	-	-	-	11700	9.4	13000	11.7



ATU-43

Pneumatic Vibrator Dimensions (inches)								
Model	Piston Size	A	B	C	Bolt	Bolt Size	Port NPT	Weight (lbs)
					D	F	G	
5016	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



5016



GLOBAL LOCATIONS

 UNITED STATES

 AUSTRALIA

 BRAZIL

 CHINA

 FRANCE

 GERMANY


 INDIA


 INDONESIA

 MEXICO

 PERU

 SPAIN

 SOUTH AFRICA

 TURKEY

 UNITED KINGDOM

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