

REFUSE

2023



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PUMPS



Roll-Off Refuse Trucks



Gear Pump

	Shaft Size	Displacement	PSI
H51	7/8-13 Tooth	19.4-27.8 GPM	2500-3000
H55	1-1/4" Keyed		
	1" 15		

H51 & H55 gear pumps are bidirectional



Bent Axis

	Shaft Size	Displacement	PSI
Bent Axis	DIN	80-110 CC 1000 RPM	5000



Front Load Trucks



Vane Pump

HT7, HT6, HT67
Double, HT67
Triple

Shaft Size
1-1/4" Keyed
14 Tooth

Displacement

20-50 GPM

PSI

Up to 4000



Piston Pump

VDP 219-376-
426

Shaft Size
1-1/4"
14 Tooth

Displacement

110-120 CC

PSI

3000

PTO driven & crank driven pumps for this application

Manifolds



H6375 Combined



H6379 Split Flow



H6577 Unloader



The vane pump works with the manifolds to generate and direct flow. The vane pump is connected to the crank shaft, and therefore is constantly turning and generating flow, which will be cycled through the system until the manifold is engaged. The manifold uses electric signaling to direct flow as necessary to the truck's application.

Rear Load & Side Load Trucks



Vane Pump



Gear Pump

HT7, HT6, HT67
Double, HT67
Triple

Shaft Size
1-1/4" Keyed
14 Tooth

Displacement
20-50 GPM

PSI
Up to 4000

H51
H55

Shaft Size
7/8-13 Tooth
1-1/4" Keyed
1" 15 Tooth

Displacement
19.4-27.8 GPM

PSI
2500-3000

H51 & H55 gear pumps are bidirectional



Grapple Refuse Trucks



Gear Pump

	Shaft Size	Displacement	PSI
H51		19.4-27.8	2500-
H55	7/8-13 Tooth 1-1/4" Keyed 1" 15 Tooth	GPM	3000

H51 & H55 gear pumps are bidirectional



Piston Pump

	Shaft Size	Displacement	PSI
VDP		110-120 CC	3000
219- 376- 426	1-1/4" 14 Tooth		

PTO driven & crank driven pumps for this application

Walking Floor Dump Pump Live Bottom Applications



**ABER
Dump Pump**

	Shaft Size	Displacement	PSI
LG22	7/8 13T, 1-15T1, DIN	19.4-27.8 GPM	2500- 3000

	Shaft Size	Displacement	PSI
LG27	7/8-13 Tooth 1"-15 Tooth	19.4-27.8 GPM	2500- 3000

	Shaft Size	Displacement	PSI
H51		19.4-27.8	2500-
H55	7/8-13 Tooth 1-1/4" Keyed 1" 15 Tooth	GPM	3000

H51 & H55 gear pumps are bidirectional



Gear Pump

PTO



Allison 3000/4000 Series



380 Series PTO



ABER
267 Series Replacement

Weight	Output Power	Torque	Info
≈49 Lbs	46-74 HP	240-390 ft-lb	Electric over hydraulic activated 280 Replacement

Weight	Output Power	Torque
≈37.5 Lbs	58-65 HP	295-335 ft-lb

Eaton, Fuller, Volvo & Mack



HM589



HM2K

Weight	Output Power	Torque	Info
≈30 Lbs	27-48 HP	140-250 ft-lb	Deep-mount Available Upon Request for Mack T310

Weight	Output Power	Torque	Info
34 Lbs	34-49 HP	124-178 ft-lb	Bezars and Chelsea style Eaton Endurant PTO

M-Drive and I-Shift Transmissions



HTF Series



Connecting Shafts

Weight	Output Power	Torque
≈24 Lbs	48-68 HP	258-368 ft-lb

Connects To:

- Mack/Volvo
- Detroit DT12 DM/OB (retarder)
- Detroit DT12 OD/OA/DA (aquatarter)
- DT12-OC, DT12-DC and DT12-OD

All parts on this page supplied by:

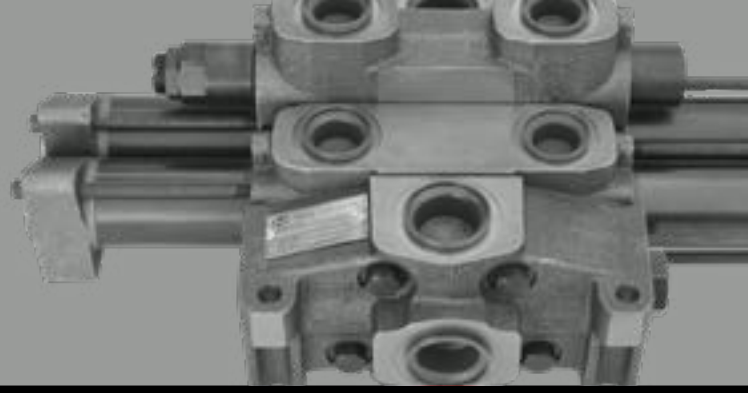
PTO Adapters



Adapters for Mack®/Volvo®/Detroit® Automatic Transmission

Part Number	Description
HADA1300 R	Companion Flange 1300 series
HADA1400 R	Companion Flange 1400 series
HADA4FB24	2/4 Bolt "B", 7/8-13 Tooth Adapter
HADA4FBB24	2/4 Bolt "BB", 1"-15 Tooth Adapter
HADA4FSE1RE	1-1/4" Key Shaft, 5/16 Key Adapter

Valves



HV20



SVD40



SVD70

GPM	Controls	Action
25	Inlet, Outlet	Single Acting, Double Acting, Cylinder Spool, Motor Spool
40	Inlet, Outlet, Mid Sections	Single Acting, Double Acting, Cylinder Spool, Motor Spool
70	Inlet, Outlet, Mid Sections	Single Acting, Double Acting, Cylinder Spool, Motor Spool

Valve Accessories

Deceleration Valve



Relief Valve



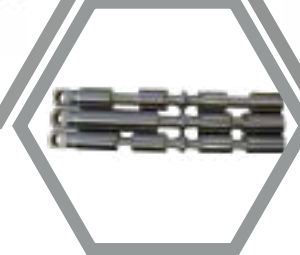
Dry Valves



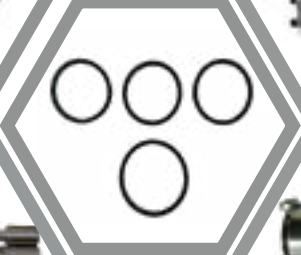
Plugs



Handles



Spools



Seal Kits



Actuators

Warranty Policy

PUMPS & MOTORS

Warranty Policy Heavy Motions pump is warranted against any defect in material and workmanship which existed at the time of sale by Heavy Motions, according to the following provisions, subject to the requirements that the pump must be used only in accordance with catalog and package instructions.

Heavy Motions pump is warranted for a period of one year from the date of installation. If during the warranty period the pump fails to operate to Heavy Motions' specifications due to a defect in any part in material or workmanship that existed at the time of sale by Heavy Motions, the defect part will be repaired or replaced, at Heavy Motions election, at no charge, if the defective part is returned to Heavy Motions with the transportation prepaid.

POWER TAKE-OFFS

The Heavy Motions PTOs and other parts covered in this catalog are warranted for a period of (2) two years (24 months) from the date of service or 2-1/2 years (30 months) from date of build against any defect in material and workmanship which existed at the time of sale by Heavy Motions Inc., according to the following provisions, subject to the requirements that the PTO must be used only in the appropriate applications and following the Installation and Owner's Manual instructions.

If during the warranty period the PTO fails due to a defect in any part in material or workmanship that existed at the time of the sale by Heavy Motions Inc., the defective part will be repaired or replaced, at the discretion of Heavy Motions Inc., at no charge, if the defective part is returned to Heavy Motions Inc. with transportation prepaid. Authorization from your sales representative is required to initiate the warranty.

[INSTALLATION & OWNERS' MANUAL – POWER TAKE-OFFS](#)

VANE PUMPS

The Hyflow Southeast vane pump and other parts covered in this catalog are warranted for a period of (1) one years (12 months) from the date of service or 1-1/2 years (18 months) from date of build against any defect in material and workmanship which existed at the time of sale by Hyflow Southeast Inc., according to the following provisions, subject to the requirements that the vane pump must be used only in the appropriate applications and following the Installation and Owner's Manual instructions.

If during the warranty period the vane pump fails due to a defect in any part in material or workmanship that existed at the time of the sale by Hyflow Southeast Inc., the defective part will be repaired or replaced, at the discretion of Hyflow Southeast Inc., at no charge, if the defective part is returned to Hyflow Southeast Inc. with transportation prepaid. Authorization from your sales representative is required to initiate the warranty.

WARNING

The above warranty shall terminate if any alterations or repairs are made to the parts other than at Heavy Motions Inc.

The foregoing warranty is in lieu of all other obligations and liabilities, including negligence and all warranties of merchantability and suitability, expressed or implied, and state Heavy Motions' entire and exclusive liability and buyer's exclusive remedy for any claim of damages in connection with the sale, repair or replacement of the above goods, their design, installation or operation. Heavy Motions Inc. will in no event be liable for any direct, indirect, special, incidental or consequential damages whatsoever, and our liability under no circumstances will exceed the contract price for the goods for which liability is claimed.

Heavy Motions Inc. is not liable for any repair related cost incurred to the Buyer at any time if the repair is conducted by the buyer without written authorization from Heavy Motions Inc.




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