

THE
LIFTAINER[®]
SYSTEM

cobey



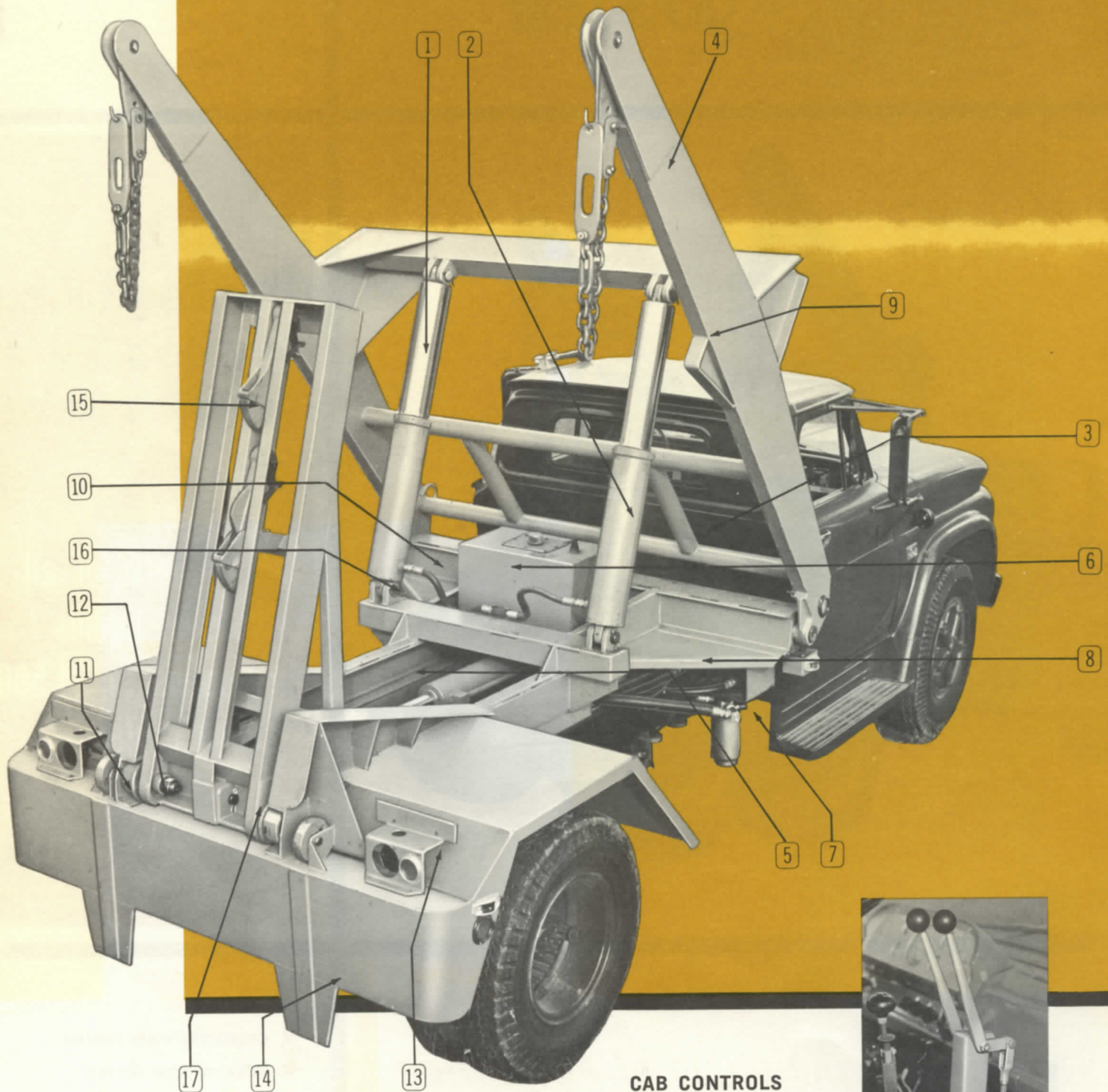
**One Cobey Liftainer
replaces a fleet of
specialized trucks!**

**Job-fitted
containers for all
types of liquids
or solids to 24,500
pound payloads**

cobey / *the name of Perfection
in materials handling*

- Commercial waste removal
- Industrial scrap removal
- Trash and garbage pickup
- Many other materials handling jobs

cobey ... RUGGED.



CAB CONTROLS

Just two easy-to-use control levers — at the driver's fingertips — operate all Liftainer actions.



DEPENDABLE ... VERSATILE

The Cobey Liftainer regularly wears out two and three truck chassis... has a remarkable record of low maintenance under the most rugged conditions. These important construction features are a few of the reasons why Cobey Liftainer is your best buy...

- 1 Massive twin vertical lift cylinders control the raising of the rugged boom arms, bringing container to proper height.
- 2 Lift cylinders are designed especially for the Liftainer—and they'll lift up to 68% more than their rated capacity (depending on model).
- 3 Tubular cross members give maximum strength reinforcement to the boom with minimum weight.
- 4 Box type boom construction is the most rugged in the industry—compare it to any other and you'll see why Liftainers last longer, have less down time.
- 5 The carriage and skid frame carry the load from pickup to dump. Liftainer's carriage is built of 6" channel reinforced for lateral and horizontal stresses.
- 6 Heavy duty hydraulic oil tank has breather and dip stick.
- 7 Reusable hydraulic filter and indicator gage are standard equipment.
- 8 Hydraulic control valves are located outside the frame for accessibility.
- 9 Boom arm adaptor gives positive down pressure to keep containers in position during travel.
- 10 Twin lift cylinders are joined by high pressure hose—there's no swing joint to leak or fail.
- 11 Apron rollers ease friction in lifting and lowering containers.
- 12 Carriage runs on 6" diameter rollers in a rugged steel channel track.
- 13 Tail lights and turn signals are protected by ¼" steel plate.

- 14 Impact absorbing apron plate has mud guard extensions and a replaceable wear strip.
- 15 Heavy duty dumping hooks have outside shuttles to prevent gumming up. Spring keeps the shuttle closed.
- 16 Replaceable pins and bushings at all wearing points.
- 17 Big, tough connecting pins for long wear are standard. For example: the vertical travel cylinder is connected to the carriage by a 2" pin.

OPTIONAL EQUIPMENT

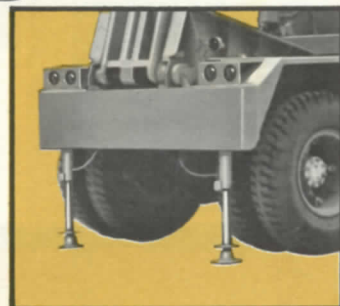


CRANE BOOM EXTENSION

The Liftainer can be used as a mobile crane with the addition of the crane boom extension. Easily installed or removed. Will handle loads up to 5000 lbs.

STABILIZING JACKS

These stabilizers are recommended for heavy loads and on some tandem axle trucks to stabilize the load when the center of gravity of the load is behind the rear axle.



**Cobey Liftainer System
is interchangeable
with similar systems**

THE COBEY LIFTAINER[®] SYSTEM...

WHAT IT IS...

The Liftainer system includes a truck mounted hydraulically operated hoist and dumping mechanism and a large number of interchangeable containers of various sizes. These containers hold liquid or solid materials and are spotted at convenient locations to receive various waste materials. The Liftainer collects, hauls, empties, and returns the containers. The number of containers serviced by one Liftainer is limited only by frequency of service, length of haul and hours worked. One unit generally can service about 25 to 30 containers. Two units can usually handle between 60 and 75 containers as better scheduling is possible with two units.

HERE'S HOW IT WORKS...

The Cobey Liftainer is a favorite with material handling and refuse operators . . . easy to learn, easy to operate. Two control levers inside the cab regulate all actions. Once the lifting chains are attached to the container, the driver-operator does everything from inside the cab—raise, lower, dump. In fact many of the movements of the container after it leaves the ground can be made as the truck is underway.

1 Operator backs Liftainer up to container—exact spotting is not necessary. He attaches the lifting chains and returns to the truck cab.



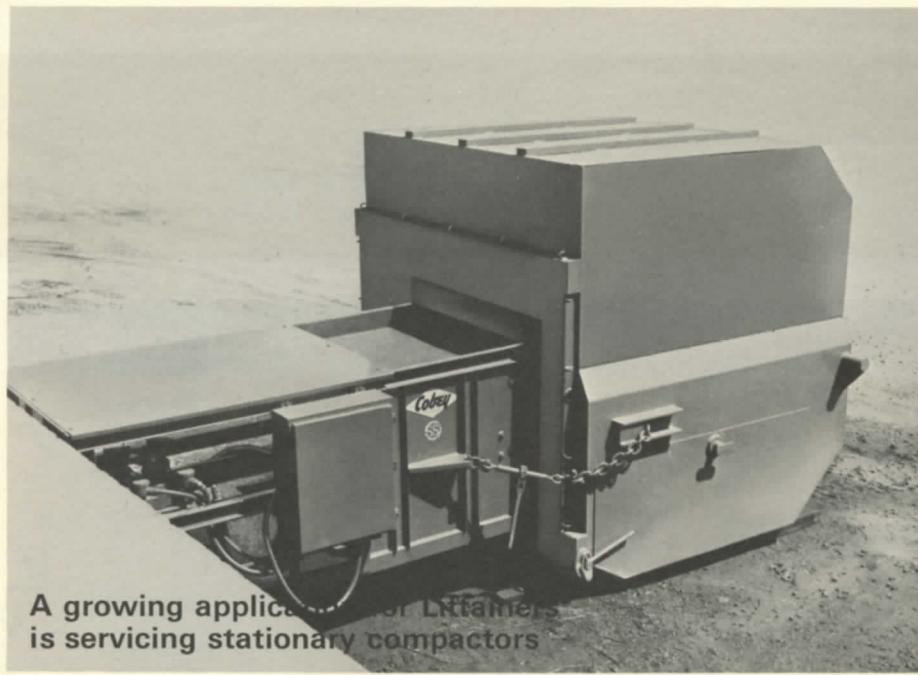
3 Using the second lever, the operator moves the carriage (and the container) forward into travel position.



4 Using the first lever, he lowers the container onto the angled rest. Boom adaptor arms lock the container in place. The Liftainer now drives to the disposal area.



5 TO DUMP, the operator raises the container . . .



A growing application for Liftainers is servicing stationary compactors

There's a

LIFTAINER®

model to match every application with lifting capacities ranging from 11,600 lbs. to 24,500 lbs.



MODELS 140 and 150. These units will handle containers up to 12 cubic yards on all applications and up to 15 cubic yards on other applications. Their gross lifting capacities range up to 13,750 pounds.



MODELS 160 and 175. Equipped with bigger lifting cylinders these units are built heavier to take loads ranging up to 21,250 lbs. in containers from 2 cubic yards up to 15 cubic yards.



MODEL 1000. This is the toughest Liftainer in the range of standard models and will easily lift a gross load of 24,500 lbs. It handles all sizes of containers up to 15 cubic yards.



SPECIAL HEAVY-DUTY MODELS. On special order Cobey will provide even heavier units like this Model 1250 built for U.S. Steel Corporation. Special equipment includes 5" stabilizing jacks, and 10" lifting cylinders.

2 Using one lever he raises the container until it locks onto the travel carriage . . .

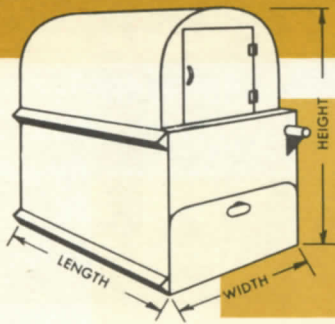


6 Moves the container to the rear of the Liftainer and raises the container to maximum height engaging the dumping hook.



7 By lowering the boom, the bottom of the container drops dumping the load.

cobey CONTAINERS



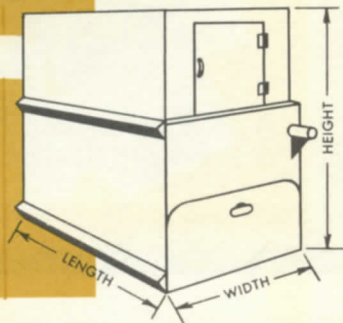
OVAL TOP TYPE

Cu. Yd. Capacity	6	8	10
Height	73"	77½"	89"
Length	85"	85"	85"
Width	58½"	69½"	76½"
Weight	1900	2450	2650

Round top prevents children from climbing up on the containers. Ideal for apartment use with safety handle inside as standard equipment.

UTILITY TYPE

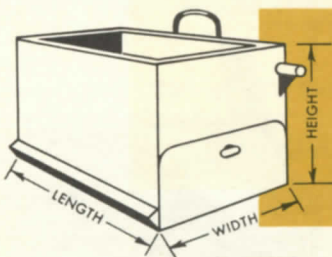
Cu. Yd. Capacity	6	8	10	12	15
Height	65"	71½"	82"	86"	94"
Length	85"	85"	85"	85"	85"
Width	58½"	69½"	76½"	85½"	93½"
Approx. Weight	1800	2250	2650	3200	3600



STANDARD DROP BOTTOM TYPE

Cu. Yd. Capacity	2	3	4	5	6	8
Height	31"	36"	42"	47"	52"	62"
Length	85"	85"	85"	85"	85"	85"
Width	37½"	49½"	55½"	61½"	67½"	74½"
Est. Weight	1050	1400	1500	1800	2200	2650

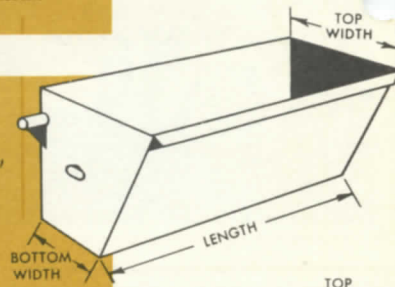
Available with counter balanced lids and with leak proof sump bottom.



TILT TYPE

Cu. Yd. Capacity	2	3	4	5	6
Height	31"	36"	45"	57"	56"
Length	84"	84"	84"	84"	84"
Top Width	46"	59½"	62½"	66½"	71½"
Bottom Width	27"	34"	35½"	36"	42"
Est. Weight	1050	1400	1600	1900	2200

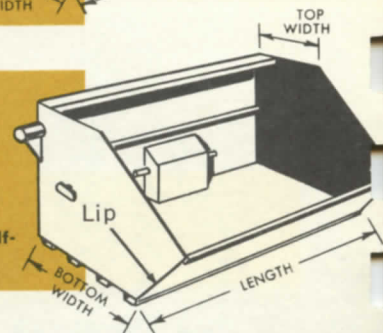
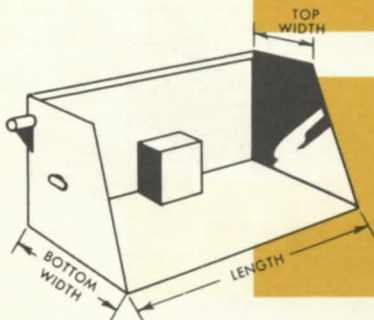
Use for sludges, liquids, etc. Available with counter balanced lids of various sizes; or without sump bottoms; and three way locks for the lids.



SKIP TYPE

Cu. Yd. Capacity	2	3	4	5	6
Height	31"	42"	46"	52"	56"
Length	84"	84"	84"	84"	84"
Top Width	27½"	34"	40"	40"	42"
Bottom Width	45"	60"	66"	70"	77"
Est. Weight	950	1350	1550	1850	2150

Use for loose materials, ground level loading of heavy items, for self-loading of dirt, gravel, snow, etc. Available with or without a lip.



A WIDE VARIETY OF SPECIAL PURPOSE CONTAINERS...

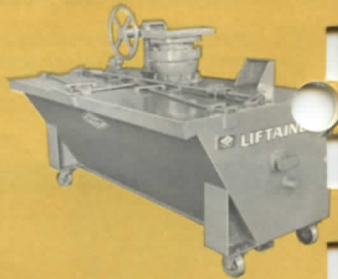
Portable Tanks. Capacities range from 250 to 1200 gallons. Available with a variety of linings.



Dust and Grit Container is typical of special purpose containers from Cobey. This one is fed grit from the top in a manufacturing operation. It dumps from the bottom.

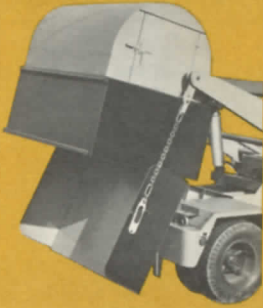


This special **Tilt Type Container** is equipped with an 8" Rockwell Valve, 5" Casters and a counter balanced lid with three way lock and gasket seal. If you have a special problem, call your Cobey distributor.

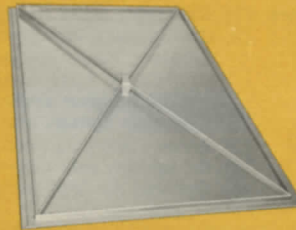


...job fitted for a wide variety of material handling needs

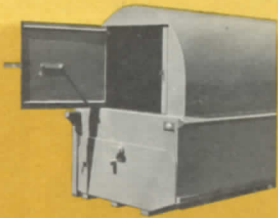
... CHECK THESE OUTSTANDING FEATURES BEFORE BUYING ANY CONTAINER



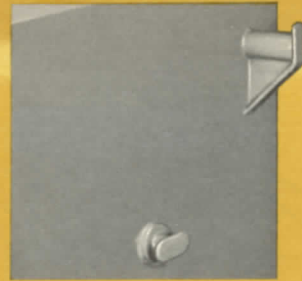
Overlapping Container Ends. This overlapping gives you a better seal between bottom and sides, prevents light weight refuse from being blown while dumping, and keeps the container rigid to prevent distortion of ends. Standard equipment.



Pyramid-formed Top Lids. Cobey's exclusive design reinforces the lid with formed pyramid shape plus a center U-brace and four steel rods all welded to the lid. Gives you extra strength with minimum weight (optional).



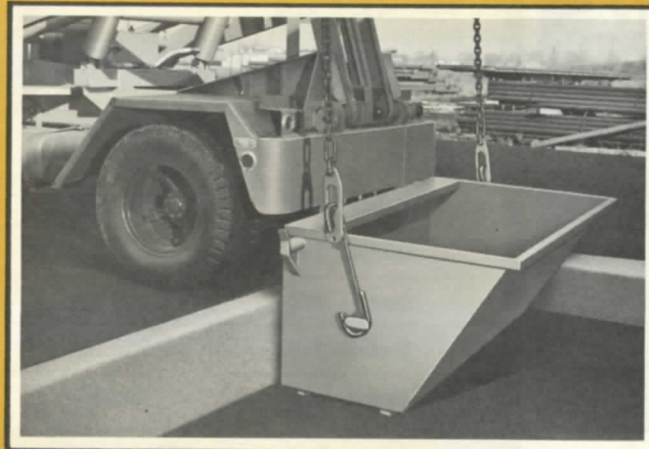
Safety Handle Inside Containers. This is standard equipment on all closed Cobey containers, and is provided in case a child or adult should get locked inside a container.



Heavy, reinforced Boom Rest. Has heavy duty reinforcement gusset to give maximum strength. Standard equipment.



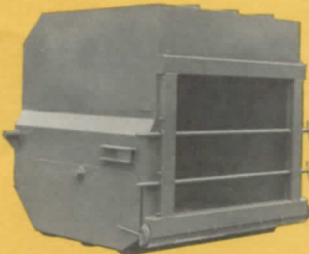
Dock Pickup. Perfection Liftainers can pick up and handle containers from docks 54" high, above-grade positions.



Below Grade Pickup. Perfection Liftainers can pick up containers 18" below grade-level as optional equipment.

... COMPLETELY INTERCHANGEABLE WITH SIMILAR SYSTEMS

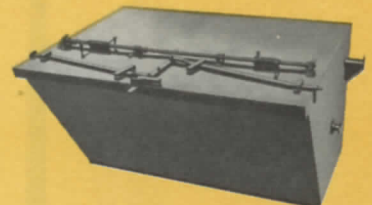
Containers for use with Stationary Compactors — 10, 12 and 15 cu. yd.



Collection Type Container. 9 cu. yard with top lid and front opening doors. Available with or without sump bottom.



Tilt Type Container. 3 to 7½ cu. yard with 3 way lock and gasket sealers. (optional). Lid is available in 18"-24"-30" depth.



LIFTAINER[®]

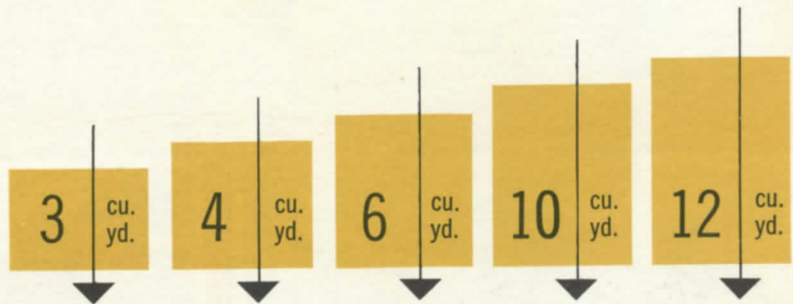
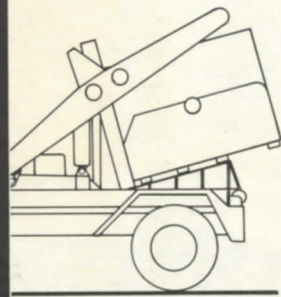
SPECIFICATIONS

Model	Recommended Vehicle GVW (approx.) Note (2)	Cab to Axle Minimum Note (4)	Size of Containers In Cubic Yards		HYDRAULIC EQUIPMENT				Shipping Weight (less chassis)
			Drop Bottom	Tilt & Skip Types	Vertical Lift Cyl. Dia. & Stroke Single Acting	Horizontal Travel Cyl. Double Acting Dia. & Stroke	Pump Capacity GPM (5)	Stabilizing Cyl. Double Acting Note (1)	
140	22,000 lbs.	84"	2-12	2-7½	5½" x 24½"	5" x 46"	25		4950 lbs.
150	26,000 lbs.	84"	2-12	2-7½	5½" x 24½"	5¾" x 46"	25		5850 lbs.
160	29,000 lbs.	102"	2-15	2-7½	6½" x 24½"	5¾" x 49"	25	3" x 14"	7200 lbs.
175	35,000 lbs.	102"	2-15	2-7½	7½" x 24½"	5¾" x 49"	25	3" x 14"	7850 lbs.
1000	40,000 lbs.	102"	2-15	2-7½	7½" x 24½"	5¾" x 49"	25	3" x 14"	(3) 8100 lbs.

- Notes:** (1) Stabilizing jacks are also available in 5" dia.
 (2) Considerable variation in truck specifications as well as variations in use of the Liftainer, may result in variations in required GVW. We recommend you contact your Cobey Material Handling Distributor who can help you to select the best vehicle for your application. Most vehicles will require dual rear wheels, heavy duty rear springs and reinforced or fish plated chassis frames.
 (3) Either stabilizing jacks or counter weight are required on model 1000.
 (4) On tandem axle units a cab to trunion measurement of 84" is minimum.
 (5) Optional 35 GPM pumps also available.

LIFTAINER[®]

GROSS LIFTING CAPACITY



Model 140	11,600	10,975	9,750	9,450	8,535
Model 150	13,750	13,000	11,550	11,200	10,100
Model 160	15,000	14,200	12,600	12,200	11,000
Model 175	21,250	20,100	17,875	17,325	15,640
Model 1000	24,500	23,175	20,600	19,975	18,000

cobey

PERFECTION-COBEY CO.

GALION, OHIO, U.S.A. 44833

A DIVISION OF
Harsco
 CORPORATION