

DUALIFT™
Dual use hook and cable systems.
By **HEIL**

KwikLift™
Cable Hoist for Roll-Off Containers



KwikLift™

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Heil's KwikLift cable hoist system offers unmatched technology and versatility in the solid waste and recycling industry for loading and unloading roll-off containers.

The KwikLift roll-off hoist is the cable hoist companion to Heil's Dualift combination hook lift and cable hoist system. It has found followers among haulers who need not only reliable cable hoist production, but also the ultimate in speed, strength, and versatility. Plus, it offers safety features not found on other roll-off hoists.

One such feature is increased visibility during operation. Typically, an operator in the cab of a truck operating a roll-off hoist must deal with visual obstructions from the hoist frame, reeving cylinders, and hoist mechanism. The KwikLift's center-mounted cylinder and traveling carriage eliminate these obstructions, leaving a clearer view between the hoist rails and enabling the operator to view the container and lifting operation.

The KwikLift's free cable length is an extraordinarily long 10 feet. This is achieved by the action of the traveling carriage, which is hydraulically powered to travel the entire length of the hoist.

Because the cable sheave is attached to the carriage, every foot of carriage travel – either extending or retracting – produces two feet of cable movement. This makes loading and unloading times half that of traditional roll-off hoists. In addition to increased power and speed throughout the hoist's operation, the carriage can also be cycled back and forth in a manner that produces rapid container movement to help shake loose stubborn loads, a feature not found on any other roll-off hoist. The carriage can also pull a container far forward on the hoist, a particularly attractive benefit when hauling shorter containers. And, the container rollers do not interfere with the tandem fenders.

For more information on how to enhance your hauling operation with Heil's KwikLift, contact your local Heil Dealer. To find the Heil Dealer nearest you, please visit www.dualift.com or www.heil.com.



Shake Difficult Loads

Break stubborn loads free with KwikLift's unique shaking capability, which eliminates the need to move the truck forward and then quickly backward while slamming the brakes.



Fast Loading & Unloading

The unique traveling carriage design easily delivers faster cycle times and enhanced performance.



Short Containers

Short containers are transported in the front hold downs, resulting in excellent weight distribution and eliminating the need for drivers to work with auxillary short stops.



Safer Cable Length

The cable is guarded by a restraint or housing that surrounds the sheave. If a cable failure does occur, the restraint mechanism and the shorter length of the cable act together to prevent the whip-like action of a broken cable from reaching the cab.



10 Feet of Cable

10 feet of cable eliminates the driver's need to use auxillary chains. This length is hydraulically powered rearward, eliminating the need to pull the cable rearward.



Load Pup Trailers

Controlled movements enable loading of both hook and cable containers onto pup trailers quickly and more safely than other lift systems.





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Performance Specifications	
Container types	All outside rail lengths 12' to 24'
Lift capacity	60,000 lbs.
Dump angle	50%
Cable extension	10' beyond rear
Loads 12 ton at idle	

Hydraulic Specifications	
PUMP	
Type	Gear pump delivering 50 GPM at operating speed
Maximum Operating Pressure	2,750 psi
Working RPM	1,500 engine RPM (varies with pump & PTO)
Flow at working RPM	50 GPM
OIL RESERVOIR	
Tank Capacity	70 gal.
Oil system gross capacity	85 gal.
Filters	High pressure filtration 7 micron full flow Suction strainer capacity 141 micron
VALVES	
Shutoff	Ball style - 2.0 in. full flow
Main relief valve	2,750 psi
Operator selections	2 section with air actuators
Controls	Standard outside manual - optional inside air

Cylinder Specifications							
	Type	Model	Bore	Rod	Stroke	Closed Length	
Lift	(2) Double acting	ALL	in.	6	3	78	90
			mm	152	76	1981	2286
Reeving with sliding mid-support	Double Acting 4-stage telescopic	22'	in.	8	7	175	84.75
			mm	203	178	4674	2153
		24'	in.	8	7	195	84.75
			mm	203	178	5182	2153

Chassis Requirements		22'	24'
GAWR	front	18,000	18,000
	rear	44,000	44,000
Chassis frame - RBM per rail		2,000,000 in. lbs.	2,000,000 in. lbs.
Basic clear cab to trunion (Clear CT) (includes 10 in. for taper mount)	in.	184	204
	mm	4674	5182
Normal range tandem spread (TS)	in.	50-54	50-54
	mm	1270-1372	1270-1372
After frame	in.	45	45
	mm	1143	1143
Required platform minimum (CT + AF)	in.	229	249
	mm	5817	6325
Additional requirements • Specify chassis, engine and transmission upon entering order (MUST be in accordance with chassis specifications). • Any chassis requiring special alterations (moving battery boxes, air tanks, etc.) will delay the body manufacturing until a letter authorizing changes is received by Heil Environmental.			

Body Specifications		22'	24'
Overall Length	in.	334	354
	mm	8484	8992
Overall Width	in.	102	102
	mm	2591	2591
Mounted weight (route ready no taper)	lbs.	8,500	8,750
	kg	3856	3969

Hoist Construction	
Frame Rails - 9 in. 25.4 lbs per foot Ship & Car channel	Sub Frame - 2 in. x 4 in. x 0.25 in rectangular tube
Single 11 in. cable sheave with top and bottom cable restraints	30 ft. 7/8 in. cable with terminator wedge
3/8 in. steel side mounting plates	10 4 in. side rollers with columnar support
Tarper-ready hydraulics	Mounting plates secured with locking nuts and bolts
Heavy duty hinge - 2. 5 in. pin	Rear container hold downs - nylon ratchet straps
Enclosed rear roller	Rear bumper and light bar
DOT compliant collapsible rear under ride	Safety Props
Mid body turn signals	Back up and hoist up alarms
Container guides between rollers	Rear wing skid plate

Additional Available Options	
Pintle hook	Pintle hook subframe only
Rear wet line kit	LED lights
Work lights - set of 2 on rear fender bracket or gantry	Work lights - 2 sets of 2 - mounted on rear fender bracket and gantry
Automatic tarper	PTO either air shift or hot shift
Inside air controls with toggle switches	Automatic rear container hold downs
Fenders - poly, steel or aluminum	Fire extinguisher and rack
Tool boxes - steel or poly	Hoist up exterior alarm cut-out when parking break is engaged
Vehicle speed limiter with hoist up	Pusher axle - single tire

Patents 07568881 and 07572091. Other patents may apply.



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