SPECIFICATIONS
HEIL
HUGE HAUL® SYSTEM

HH-30 and Containers

TRUCKWELD EQUIPMENT CO.
739 - 9th NORTH SEATTLE, WASH. 98109
PHONE AT 4-1172

30,000 POUND GROSS LIFTING CAPACITY

The Huge Haul System of handling materials offers countless opportunities to reduce costs. A Huge Haul-equipped truck, plus Huge Haul Containers, replaces a number of conventional trucks. Investment in equipment is lower, less labor is needed, operation and maintenance costs less. The Huge Haul System handles many types of materials and gives you greatest versatility and efficiency for your money.

HEIL Quality PRODUCTS

THE HEIL CO. MILWAUKEE, WISCONSIN

SALES OFFICES: Woodbridge, N.J.; Atlanta, Ga.; Cleveland, Ohio; Chicago, Ill.; Milwaukee, Wis.; Kansas City, Mo.; Denver, Colo.; Dallas, Texas; Los Angeles, Calif.; Seattle, Wash.; Toronto, Ont., Canada.
DISTRIBUTORS IN PRINCIPAL CITIES

HH-65112

STANDARD HEIL HUGE HAUL CONTAINERS

For Use with Model HH-30 hoist

Front Understructure — For adapting other bodies to Huge Haul operation. Consists of sturdy front cross-member complete with runners, cable latch receiver, and front rollers. Formed steel cross-member for welding inside body is also provided. (Kit does not include longitudinal members, front rails, or body cross-members.)

Subframe — Complete understructure assembly, including deck plate, to which sides, tailgate, and front head must be added to construct a finished container. (This assembly is not intended for use by itself as a flat bed. Special designs are available for this type of service.)

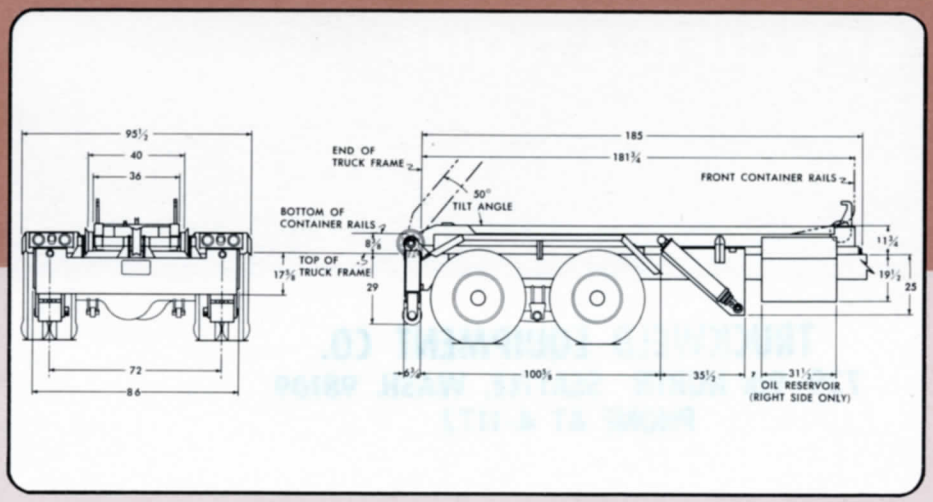
Open Top Containers — Standard Contractor's type dump body construction. 12 ga. hi-tensile steel sides, front head, and side-hinged tailgate which hooks to the body side for dumping. 8 ga. hi-tensile steel deck is standard, ¼-inch optional at extra cost.

Heil Huge-Pac Containers — Available with various tailgates and attachments to suit Heil Huge-Pac stationary packers. Body is 12 ga. hi-tensile steel sturdily reinforced to withstand packing forces. Deck is available in standard 8 ga. or optional ¼-inch hi-tensile steel.

HUGE HAUL CONTAINER SPECIFICATIONS

TYPE	MODEL	CAPACITY (CU. YDS.)	WEIGHT		OVERALL DIMENSIONS			INSIDE DIMENSIONS		
			8 GA. DECK	¼ DECK	LENGTH	WIDTH	HEIGHT	LENGTH	WIDTH	HEIGHT
SUBFRAME	1600 SF	—	2125	2515	198	95½	20	192	86¼	—
	2000 SF	—	2500	3000		95½	20	240	87	—
OPEN TOP	1610 NT	10	3260	3650	209½	95¼	39	192	86¼	29
	1615 NT	15	3640	4030	209½	95½	53	192	86¼	43
	1620 NT	20	3970	4360	209½	95½	67	192	86¼	57
	1625 NT	25	4300	4690	209½	95½	81	192	86¼	71
	1630 NT	30	4700	5090	209½	95½	95	192	86¼	85
	2040 NT	40	5560	6060	251½	95½	98	240	87	88
HUGE-PAC	1630 HP—	30	5625	6015	209½	95½	98	192	86¼	85
	2040 HP—	40	7200	7700	251½	95½	101	240	87	88

Where dimensions are critical, confirmation should be obtained from factory.



The Heil Huge Haul is a truck-mounted hydraulically operated hoisting mechanism designed to handle detachable containers in a variety of types and sizes. It consists of a cable-reeving system for drawing the load aboard, a tilt-frame assembly pivoted at the rear for dumping the load, and jackleg stabilizers to provide support for the load during lifting. Its simple design and rugged construction, using top quality heavy-duty components throughout, insure long-life, trouble-free, fast, smooth power for handling heavy loads.

SPECIFICATIONS MODEL HH-30

SUBFRAME — Welded steel construction consisting of a rear cross-beam structure with integral jackleg housings at each end and heavy-duty bearing supports for the tilt-frame pivot and load roller shaft; and two formed steel longitudinal members to which are attached tilt cylinder mounts and full fenders for the rear wheels. Cast steel rollers with wide flanges are mounted on the rear structure to engage the container rails.

TILT-FRAME — Consists of two all-welded box section frame rails of hi-tensile steel construction, pivoted at the rear on a 2 7/16" diameter cold-drawn steel shaft mounted in heavy-duty bronze bushings. Frame rails are spaced to fit between the container longitudinal members, providing a self-aligning scissor action between the container and tilt-frame during the lifting operation and a positive retention against side motion during transporting and dumping. Two fixed hooks at the front and a mechanically actuated automatic hook at the rear engage the container in the transport position.

CABLE REEVING SYSTEM — The ¾ inch diameter ultra high strength steel lifting cable, anchored to an adjustable turnbuckle at the front of the tilt-frame, is routed over two traversing sheaves mounted in an hydraulically actuated platen assembly, and over two fixed sheaves mounted at the front of the tilt frame, providing a 4:1 ratio of cylinder-to-cable travel for a total cable movement of 20 feet, 10 inches. Rollers and sheaves are cast steel with heavy duty bronze bushings. The lifting cable is equipped with a self-locking toggle connector for attachment to the container.

HYDRAULIC SYSTEM — Reservoir, a compact unit assembly with the main control valve mounted on top, is located on the right side at the front of the subframe for easy access, and is equipped with a vented filler plug and a sump type oil filter. The heavy-duty gear pump is mounted separately from reservoir for ease of installation. Main control valve is a 3-spool, 4-way type for controlling the jacklegs, cable-reeving, and tilt-frame operations, and is equipped with a built-in relief valve. Auxiliary valves include a replenishing check and relief system in the tilt-frame circuit to protect against externally-applied overloads; a flow control and pilot check system in the cable-reeving circuit to provide positive control during the loading and unloading cycles and positive locking for transporting and dumping; and individual pilot checks in the jackleg circuit to prevent drifting or fluid cross-over between jacklegs under load. All cylinders are double-acting for positive control, with removable heads for access to internal parts. Hydraulic fittings, hoses, and tubing are high pressure type with burst pressure at least four times normal operating pressure.

JACKLEGS — Jackleg cylinders, fully enclosed in box-shaped steel housings for protection against external damage and side loads, are mounted at each end of rear structure to provide a wide-spaced support for stability. Each leg is equipped with an 8 inch diameter x 9¾ wide roller at the bottom to permit longitudinal movement of the truck.

MODEL	**HH-30**
Gross lifting capacity (pounds)	30,000
Standard container sizes (cu. yd., struck capacity)	10 - 40
Weight, empty (pounds)	5100
Hydraulic pump capacity (GPM)	17
Normal operating pressure (PSI)	2250
System relief pressure setting (PSI)	2500
Tilt cylinder bore and stroke (telescopic)	3½ - 4½ - 5⅜ x 83⅝
Reeving cylinder bore and stroke	5 x 65
Jackleg (cylinder) bore and stroke	3½ x 10½
Average cycle time (seconds @ 1500 RPM pump speed)	
Container on	33
Container off	30
Frame up	36
Frame down	27
TRUCK REQUIREMENTS	
Tandem Axle	
Back of cab to C/L of tandem	138"
Back of cab to end of frame (min.)	187"
GVW (based on maximum rated capacity of hoist)	45,000 - 48,000 Lbs.
Center of Gravity of Load Ahead of Tandem Center (Average)	
16 foot body	30"
20 foot body	6"