



WE NEVER STOP WORKING FOR YOU

Command-SST[®]
Automated Side Loader

a **DOVER** company



Choose the industry leader in safety, productivity, and the lowest total cost of collection.

www.Heil.com

Command-SST®

Resetting a Fleet Owner's Expectations Regarding Safety, Performance, and ROI.

Automated side loaders have been synonymous with Heil® since their inception four decades ago. Productivity was always the goal of automation, but with higher productivity ASL's typically came with higher maintenance costs. The new **Command-SST** Automated Side Loader by Heil takes fleet productivity to the next level by fielding a vehicle that delivers the lowest Total Cost of Collection (TCC) of any ASL currently offered.

It all starts with listening to the customer and designing a tool that allows them to operate with a higher degree of safety, reliability, and productivity. The **Command-SST** and its revolutionary arm do just that.

First, we started with the proven DuraPack® body and then built the arm around that. The arm was designed to mount to the body instead of the chassis frame, freeing up valuable frame rail. We then designed the **Command-SST** arm to be easily accessed for maintenance, allowing it to be fully removed and replaced in about an hour. No one else can say that. For ease of maintenance, the **Command-SST** was designed with a reduced number of easy-to-reach lubrication points, all accessible from ground level. The arm provides a level of operational flexibility that the industry has not seen to date, (i.e., above and below grade can access, integrated can shake features - built into the joystick, load-sensing hydraulics (proportional controls), tray-enclosed hydraulics to prevent hose snags, non-lubricated slide shoes, etc).

We also focused on the operator, and created cab controls and arm/body sensors that provide visual guides to place the arm and grabbers exactly where the operator needs them. Lines are generated on the monitor, and allow even novice operators to successfully grab the can. We even programmed in a "spear" feature that allows operators to access multiple cans during a single stop. This all rolls up into a TCC that elevates the **Command-SST** to the top of the list.



The Command-SST® from Heil®

Design, performance, and reliability that delivers lower TCC

Delivering The Lowest Total Cost of Collection (TCC)

Reduced Wear Parts

With fewer moving parts, there are less wear parts that require replacement.

Can add up to:

\$27,500 Savings

Over the lifetime of the truck

Fewer Grease Points

With fewer grease points, preventative maintenance times are dramatically reduced.

Can add up to:

\$22,100 Savings

Over the lifetime of the truck

Higher Payloads

Reducing weight in the body allows an additional ton of payload.

Can add up to:

\$34,200 Savings

Over the lifetime of the truck

Operator Productivity

Features like above/below grade capability help keep the operator in the cab.

Can add up to:

\$25,000 Savings

Over the lifetime of the truck



The body-mounted arm is easy to service and produces less cab rocking than other arms.



Long, slender, straight grabber geometry gives the ability to reach into tight places and spear containers.



The **Command-SST** has a 3-axis arm that allows for above-grade and below-grade can access.



The **Command-SST** features a significant reduction in lubrication points, all in easy-to-reach locations at ground level.

Command-SST®

Redefining What Productivity Looks Like

Command-SST® Features

- + **PROPORTIONAL CONTROLS** - Soft-touch grabbers move at 0-100% speed, based on how hard the operator presses the control button.
- + **REDUCED CAB-SHAKE** - Odyssey® controls combined with a 3-axis arm make for a smoother, less tiring ride for operators compared to other arms.
- + **SERVICE CANS ABOVE GRADE AND BELOW GRADE EFFORTLESSLY** - Above and below grade functionality is enabled by 3D motion control.
- + **JOYSTICK FUNCTIONS: CAN-SHAKE, PICK HEIGHT, PICK ANGLE** - Functions can all be adjusted and used via the 5-button joystick.
- + **ADJUSTABLE GRABBER PRESSURE** - Ability to adjust grabber pressure from the cab allows on-the-fly adjustment for can size and ambient temperature.
- + **IN-CAB OPERATOR MONITOR** - This unique feature provides on-screen guidance to help line up the can faster - while keeping the operator's eyes facing forward for an added sense of safety.
- + **CURTO-STYLE GRIPPERS** - Long, slender, straight grabber geometry provides the ability to reach into tight places and spear containers.
- + **SPEAR FEATURE** - Grabbers can be programmed to partially close, allowing operators to move quickly between cans placed close together.
- + **CAN WEIGHING** - Ability to set max threshold of 350 lbs, that will automatically halt the lift if a cart is overweight. This also allows for the monitoring of repeat overload offenders and protects the arm (and the hopper) from damage.
- + **QUICK CHANGE ARM** - Arm can be completely removed and replaced in 60 minutes. Ask to see the time-lapsed movie.
- + **FAST & PRODUCTIVE ARM** - 7-second cycle times with can-shake, and above- and below-grade access, provide an arm that delivers the lowest TCC.
- + **FUEL SAVINGS** - Load-sensing hydraulics only run the pump when needed.
- + **LOW DUMP HEIGHT** - Lower dump height minimizes overhead obstructions.
- + **REDUCED MAINTENANCE** - Fewer moving parts and grease points equal less downtime and preventative maintenance.
- + **WEAR PADS** - Easy-to-replace wear pads help eliminate the costly need to completely rebuild the arm.
- + **DURABLE ARM REQUIRES NO REBUILD** - Fewer moving parts, results in less maintenance and downtime. Over 4 million cycle times in testing, resulted in **ZERO** rebuilds.
- + **LARGE HOPPER** - The large hopper enables reduced pack cycles, resulting in less wear-and-tear to both the arm and hopper.
- + **IN-CYLINDER WITH PACKER ARC SENSOR** - In-cylinder-sensor cylinder technology allows for precise cylinder movement, which reduces cab-shake. The packer cylinder ARC sensor is the same great technology that is used in the **Odyssey** control package. The ARC sensor eliminates the need for proximity switch adjustments that can contribute to downtime and reduced payloads.
- + **DISTRIBUTED I/O** - Reduces wiring and aids in troubleshooting.
- + **PROVEN DURAPACK® BODY** - The **DuraPack** body is a proven market leader in durability and payload. Now optimized to reduce weight by **2,000 lbs** without impacting strength or payload capability.
- + **BODY MOUNT ALLOWS EASY ACCESS & REDUCES FRAME STRESS** - The body-mounted arm frees up the frame rail for other chassis components, reduces frame-rail fatigue, and makes servicing the arm easy.
- + **ZINC-PLATED HYDRAULIC TUBES** - Use of zinc-plated hydraulic tubes eliminates corrosion, therefore reducing hydraulic leaks, and preventing the need to replace components over the life of the body. This reduces maintenance and downtime costs.
- + **FULL EJECT** - The **Command-SST** is a full-eject body, and can be initiated with the press of one button on the joystick. Vehicle remains stable at a landfill or MRF during unloading.

Command-SST® Optional Features



OPTIONAL H.A.L.O. SEMI AUTOMATED CONTROLS

H.A.L.O. controls will lower costs associated with driver turnover by improving safety, reducing operator training time, increasing productivity and helping to retain your existing operators.

Monitor is integrated into the display



OPTIONAL 3RD EYE® DIGITAL PACKAGE

Includes factory installed **3rd Eye** Cam, Radar System, and up to eight **3rd Eye** cameras.



OPTIONAL CNrG® TAILGATE

The lower profile, fully integrated **CNrG** tailgate fuel delivery system will revolutionize the way you use CNG garbage trucks.



GRABBER CAMERA WITH CONTAINER GRID LINES

Camera and light integration into the hopper sidewall allow for newly designed grid lines to be placed on monitor, allowing for quick line up of cans.

Command-SST®

Redefining What Productivity Looks Like

Command-SST® Specifications



Cylinder Specifications			
Body Cylinders	Type	Bore x Stroke	
Tailgate Raise	(2) Double acting	in.	3.15 x 35.16
		mm	80 x 893
Tailgate Locking	(2) Double Acting	in.	3.0 x 3.63
		mm	76 x 92
Packer (Dump)	(2) Double acting	in	5.5 x 63
		mm	140 x 1,600
Packer (Eject)	(2) Double Acting	in.	5.5 x 60.44
		mm	140 x 1,535
Lift Cylinders			
Reach	(1) Double Acting	in.	2.0 x 67.0
		mm	51 x 1,702
Grab	(1) Double Acting	in.	2.5 x 7.69
		mm	64 x 195
Lift	(1) Double Acting	in.	3.0 x 18.5
		mm	76 x 470

Typical Chassis Configuration*		23 yd³	28 yd³	33 yd³
Usable CT	in.	155 ± 3	192 ± 3	198 ± 3
C.O.E. Wheelbase	in.	185 ± 3	215 ± 3	221 ± 3
Min. Platform	in.	270	264	294
* Additional Requirements • 425 ft.-lbs. required engine torque at pump shaft at idle. • Neutral signal, brake signal, and R-stator signal dedicated for body builder use in cab. • 160 amp alternator - minimum.				

Body Specifications		23 yd³	28 yd³	33 yd³
Body Capacity	yd³	23	28	33
	m³	17.6	21.4	25.2
Hopper Capacity	yd³	5.1	5.1	5.1
	m³	3.9	3.9	3.9
Overall Length	in.	257	289	324
	mm	6,528	7,341	8,230
Overall Length (Tailgate Raised)	in.	297	328	363
	mm	7,544	8,331	9,220
Overall Width	in.	96	96	96
	mm	2,438	2,438	2,438
Overall Height Above Frame	body lowered	in.	97	97
		mm	2,464	2,464
	tailgate raised	in.	166	166
		mm	4,216	4,216
Gross Weight (Route Ready)	lbs.	13,640	14,292	15,082
	kg.	6,187	6,483	6,841

Automated Lift Specifications	
Lift Load Capacity	600 lbs.
Cycle Time (Defined as No Reach, Grip, Dump, Lower, and Release)	6.0 seconds at 700 RPM
Reach (As Defined from Side of Body to Center of Grabbers/Container)	7'
Ground Clearance	20 in. from ground to bottom of grabber arms (based on a 42 in. chassis rail height)
Weight*	1,462 lbs. approximate
Controls	Heil® Autonomous Lift Option or Dual Electronic Controlled Joystick
* Weight does not include grabbers	

All designs, specifications, and components are subject to change at the manufacturer's sole discretion at any time without notice. Data published herein is for information purposes only and shall not be construed to warrant suitability of the unit for any particular purpose, as performance may vary with the conditions encountered. The only warranty is our standard written Warranty Statement for this product at the time of shipment.



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Automated Side Loader



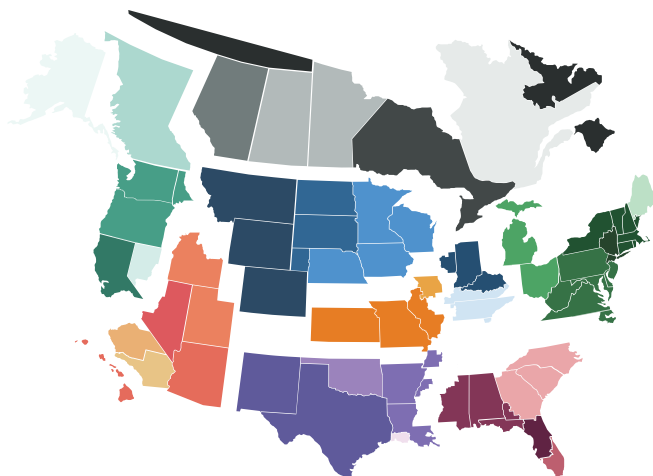
EXPEDITE THE PURCHASE OF YOUR HEIL® UNIT THROUGH SOURCEWELL

Sourcewell Cooperative Purchasing Program has awarded **Heil** a nationally bid contract for "Solid Waste and Recycling Collection Equipment with Related Equipment, Accessories, and Supplies." Through the **Heil** contract, Sourcewell members can purchase any of the **Heil** line of refuse and recycling equipment, including front-loading, side-loading, and rear-loading refuse collection vehicles, without having to create an RFP and send the project through a time-consuming duplicate bid process. By using the existing nationally bid contract, members can receive the products they need more quickly and cost effectively. Best of all, Sourcewell membership is free! Qualified agencies can join online via the Sourcewell purchasing website at www.sourcewell-mn.gov. To find out more about purchasing **Heil** equipment via the Sourcewell contract, please contact your local **Heil** Dealer at www.heil.com/dealers.



TRUST HEIL® CERTIFIED OEM PARTS

Heil Certified OEM parts are the most reliable replacement parts for **Heil** refuse collection vehicles. They're made following the exact specifications and production processes on the same assembly lines as the parts originally installed on the bodies. This means that they fit perfectly every time. **Heil** uses only the highest-quality materials for parts that last - minimizing costly downtime. For more information on parts, contact your **Heil** dealer. Visit: www.heil.com/dealers to find the dealer nearest you.



RELY ON EXPERIENCED LOCAL SUPPORT

When you buy from **Heil**, you gain the aftermarket support of the industry's strongest network of dealers in North America. We stand behind our dealers, so you get the product support you need for the life of your products. Our dealers are also trained to help you find the best product for your particular route needs. To find the **Heil** dealer nearest you, visit: www.heil.com/dealers.



All **Heil** products are Connected Collections™ ready. This is part of our vision, focused on helping fleet owners make better decisions, faster. For more information on **ESG's Connected Collections**, contact your local **Heil** dealer or visit us online at www.heil.com/connected-collections

www.heil.com



COUNT ON THE LOWEST TCC

Helping you save money is our passion, and we apply tremendous resources to advance our product and service offerings to improve the profitability of your business and provide the lowest Total Cost of Collection and the maximum return on your investment. You can be confident that choosing **Heil** equipment brings a long-term partnership with the industry leader.



CONFIGURATION ASSISTANCE

Chassis layout drawings are available through your local **Heil** dealer. To find your dealer, visit www.heil.com/dealers.



INDUSTRY-LEADING TRAINING

Heil has completely revamped their training programs with the addition of both the **Heil Service Shack**™ and their four-tiered **Nexteligenz**® Connected-Tech Training Program. Now, customers can visit the **Heil Service Shack** on the **Heil** website to learn the latest techniques and view helpful service and training videos any time, as well as sign up for Connected-Tech courses to better train technicians on **Heil** Refuse Products. Ensure your shops are servicing your **Heil** products correctly; check out the **Heil** training offerings at www.heil.com/nexteligenz.



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Contact your Heil® authorized dealer: