

DURAPACK RAPID RAIL



THE WHEELS ARE ALWAYS TURNING

A DOVER COMPANY



**HIGH
COMPACTION
BODY**

EIGHT-FOOT
REACH

**HEAVY LIFT
CAPACITY**

NEW
ERGONOMIC
JOYSTICK

DUAL JOYSTICK FUNCTIONALITY

AUTO-LIFT FEATURE

FEATURES AND BENEFITS

Increased efficiency and productivity

HEAVYLIFTINGCAPACITY

1



1,600 pound lift capacity allows for residential, commercial and multi-family collection.

BENEFIT

Utilize one unit with more payload carrying capacity.

WHY IT MATTERS TO YOU

- Eliminates chase truck
- Less trips to the landfill with greater payload capacity
- Fleet size reduction

PROPORTIONALCONTROLS

3



Allows for precision control while giving the operator a smoother lift and reducing cab shake.

BENEFIT

Lift-feathering feature is standard, giving the ability to precisely pick containers from difficult areas.

WHY IT MATTERS TO YOU

- Reduces the need for the operator to exit the cab
- Reduces wear and tear on the lift, providing more uptime and a Lower Total Cost of Ownership

DUALJOYSTICKCAPABILITY

2



An easy-to-operate joystick gives operator precise control.

BENEFIT

Operate the lift like a Rapid Rail or a DP Python with a press of a button.

WHY IT MATTERS TO YOU

- Reduces learning curve and training time, increasing productivity from day one
- Allows operators from mixed fleets to transition from unit to unit with no loss in route time

CORTEX™ WITH INSIGHT™ DISPLAY

4



The “brain” of our system is a rugged mobile controller that provides the intelligence and precise control our unit demands.

BENEFIT

Utilizing a mobile controller and placing it in a protected location gives us the intelligence we need and the durability our customers demand.

WHY IT MATTERS TO YOU

- Less downtime
- Ease of service



8



ABOVE-GRADE CAN PICKS 5



The DuraPack Rapid Rail arm can handle above-grade can picks up to 2 feet.

BENEFIT

Eliminates the need for the operator to get out and reposition the can.

WHY IT MATTERS TO YOU

- Increased route efficiency
- Keep the operator in the cab
- Pick cans off curbs or embankments

CAN SHAKE FEATURE 7



Allows the operator to shake stubborn refuse out of the container at a desired number of can shakes with a simple press of a button.

BENEFIT

Operator can shake the can at the top of the lift cycle without multiple arm cycles.

WHY IT MATTERS TO YOU

- Keep the operator in the cab
- Eliminates spillage by allowing the can to stay in the hopper

IN-CYLINDER SENSORS 6



Eliminates three proximity switches.

BENEFIT

Reduced lift maintenance, no proximity adjustment and no complex electrical box to troubleshoot.

WHY IT MATTERS TO YOU

- Uses Odyssey cylinder technology, providing a smoother lift, reducing operator fatigue, cab shake and excessive wear on the lift
- Lower parts cost

AUTO-LIFT FEATURE 8



Operator can let the automation do the work.

BENEFIT

Simply reach out for the can, press and hold the grab button and the arm automatically carries the can up and into the hopper for a container dump all in one smooth motion.

WHY IT MATTERS TO YOU

- Reduces the chance of the operator spilling refuse
- Increase efficiency by reducing route time



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Performance Specifications	
Lift Capacity	up to 1,600 lbs.
Lift Cycle Time *	8 seconds
Lift Reach	8 ft.
Compaction	Up to 900 lbs. per yd ³
Working RPM	800 (operate-in-gear-at-idle)

* Complete cycle time defined as grip, dump, return and release

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.

Cylinder Specifications			
BODY CYLINDERS	Type	Bore x Stroke	
Tailgate Raise	(2) Double acting	in.	3.0 x 35
		mm	76 x 889
Packer Blade	(2) Double acting	in.	5.5 x 6.3
		mm	140 x 1600
Packer/Ejector (eject model)	(2) Double acting	in.	(26) 5.5 x 141 (28) 5.5 x 151 (33) 5.5 x 181
		mm	(26) 140 x 3581 (28) 140 x 3835 (33) 140 x 4597
Tailgate Locking	(2) Double acting	in.	3.0 x 3.625
		mm	76 x 92
Body Hoist (dump model)	(2) Single acting 2 stage telescopic	in.	4.5 x 55
		mm	114 x 1397
LIFT CYLINDERS			
Reach	(1) Double acting	in.	1.75 x 71.25
		mm	44 x 1810
Grab	(1) Double acting	in.	3.0 x 8.0
		mm	76 x 203
Lift	(1) Double acting	in.	3.0 x 8.0
		mm	76 x 203

Typical Chassis Configuration*			22 yd ³	24 yd ³	26 yd ³	28 yd ³	33 yd ³
Min. GVWR			52,000	52,000	56,000	58,000	62,000
Min. GAWR	front		18,000	18,000	18,000	18,000	18,000
	rear		34,000	34,000	38,000	40,000	44,000
Usable CT		in.	177 ± 3	189 ± 3	177 ± 3	189 ± 3	201 ± 3
C.O.E Wheelbase		in.	200 ± 3	212 ± 3	200 ± 3	212 ± 3	224 ± 3
Min. Platform	dump	in.	240	250	240	250	285
	eject	in.	250	260	250	260	295

* Additional Requirements
 • 425 ft.-lbs. recommended engine torque at pump shaft at idle.
 • Neutral signal, brake signal, and R-stator signal dedicated for body builder use in cab.
 • 130 amp alternator - minimum.

Body Specifications		22 yd ³	24 yd ³	26 yd ³	28 yd ³	33 yd ³
Body Capacity	yd ³	22	24	26	28	33
	m ³	16.8	18.3	19.3	21.4	25.2
Hopper Capacity	yd ³	4.7	4.7	4.7	4.7	4.7
	m ³	3.6	3.6	3.6	3.6	3.6
Overall Length	in.	268	278	287	297	332
	mm	6,807	7,061	7,290	7,543	8,433
Overall Length (Tailgate Raised)	in.	345	357	345	357	395
	mm	8,763	9,068	8,763	9,068	10,033
Overall Width	in.	96	96	96	96	96
	mm	2,438	2,438	2,438	2,438	2,438
Overall Height Above Frame	body lowered	in.	103	103	103	103
		mm	2,616	2,616	2,616	2,616
	body raised	in.	190	190	190	190
		mm	4,826	4,826	4,826	4,826
	tailgate raised	in.	180	180	180	180
		mm	4,560	4,560	4,560	4,560
Gross Weight (Route Ready)	lbs.	16,000	16,200	16,300	16,700	18,000
	kg.	7,260	7,350	7,400	7,580	8,170

Hydraulic Specifications	
PUMP	Operate-In-Gear-At-Idle (standard)
Type	Tandem Vane
Maximum Operating Pressure	2,500 psi (17,238 kPa)
Working RPM	800 RPM approx.
Flow at Working RPM	28 GPM (106 LPM) approx.
OIL RESERVOIR	Chassis frame mounted
Gross Capacity	50 gallons (190 liters)
Filters	Return line 3 micron, 140 micron suction strainer
VALVES	
Packing Control	Electric, push button operated
Tailgate Tailgate Locking Body Raise	Air operated toggle

Automated Lift Specifications	
Lift load capacity	1600 lbs.
Cycle time	8 seconds @ idle
Reach	9 ft.
Ground clearance	20 in. from ground to bottom of grabber arms (based on a 42 in. chassis rail height)
Weight*	1,850 lbs. approx.
Controls	Electric over hydraulic

* Weight includes standard 60/90 gallon grabbers

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