

ISL

INTEGRATED SIDE LOADER

Automated Refuse Vehicle



METROPOLITAN WASTE EQUIPMENT, INC.
1074 TURNPIKE ST.
STOUGHTON, MA 02072
(617) 344-8260

The Refuse Vehicle Specialists



ISL

I N T E G R A T E D S I D E L O A D E R

Automated Refuse Vehicle

Reliable New Lift Mechanism Simplified Design - Low Maintenance

- "Ball Screw" Lift Mast
- Reach/Dump Rotary Actuators
- Telescoping Boom - Up to 12 foot Reach

Features of the ISL (Integrated Side Loader):

• Unique Lift Mechanism

- 12 foot reach, parked cars and other obstacles are no problem
- Simple design, ball screw lift mechanism
- Right-hand joystick controls, easy operation and driver efficiency
- Low maintenance, hermetically sealed rotary actuators
- Maximum productivity, lift and packer operates at idle in gear, eliminating transmission shifting and delay
- Quick cycle time
- Continuous Loading
- Self leveling container grasps

• One Truck / One Company / One Warranty

- Lift, chassis, & body built by one manufacturer
- One source warranty & service
- All systems compatible: body, lift, chassis designed specifically for automated service

• Integrated Vehicle Design

- Exceptional maneuverability, speeds collection
 - Short turning radius
 - 46° wheel cut
 - Less backing
 - Reduced route time
- Unsurpassed driver comfort & safety, fewer accidents and injuries
 - Superior visibility
 - Low entry walk thru cab
 - Cooler, quieter environment
 - Smoother ride
- High compaction body, larger payloads
 - High strength cylindrical design
 - Better weight transfer to front axle
 - Larger legal payloads
 - 175,000 lb. packing force
- Less maintenance cost,
 - Walk up accessibility for routine daily service
 - Engine & transmission readily accessible
 - Premium hydraulic components
 - CCC rubber load cushion front suspension
 - Long life circular body

Base Model Specifications ISL31-T

General

Wheelbase, ins.	208
Weight, est. lbs.	32,000
Length, overall, ft.-ins.	31-8
Height, ft.-ins.	11-6
Width, overall, ins.	96

Engine/Transmission/Axles

Engine	Cummins L10-260HP
Transmission	Allison HT740RS
Front Axle	Eaton EFA-20, 20,000lb
Rear Axle	Eaton DS402, 40,000 lb
Front Suspension	CCC, 40,000 lb
Rear Suspension	Hendrickson RS400, 40,000lb

Other

Radiator, sq. in.	1,200
Steering	Sheppard S 592 (Integral)
Fuel Tank	76 Gallons

Body

Body Type	Cylindrical, full weld
Total Capacity	31 cu. yds
Hopper Capacity	4 cu. yds
Body Capacity	27 cu. yds
Tailgate Latches	Hydraulic
Cycle Time	.8 -10 sec



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Crane Carrier Company
1925 N. Sheridan Tulsa, Ok 74115
918-836-1651 FAX 918-832-7348