

OPTIMIZER

FRONT-END LOADING BODY

Body Capacities:

38, 40 and 42 cu. yd. (29, 31 and 32 m³)

SPECIFICATIONS

Body

- Body floor: curved body floor, 3/16" (4.8 mm), A-242, yield strength 50,000 psi (345 MPa)
- Sides: curved body sides, 10 gauge (3.4 mm), A-715 GR 80F, high-tensile steel, yield strength 80,000 psi (550 MPa)
- Roof: curved roof, 10 gauge (3.4 mm), A-715 GR 80F, high-tensile steel, yield strength 80,000 psi (550 MPa)
- Cab shield: composite, curved shape, with front part hinged
- Long sills: HSS tubing 6" x 2" x 1/4" (152 mm x 51 mm x 6.4 mm), yield strength 50,000 psi (345 MPa)

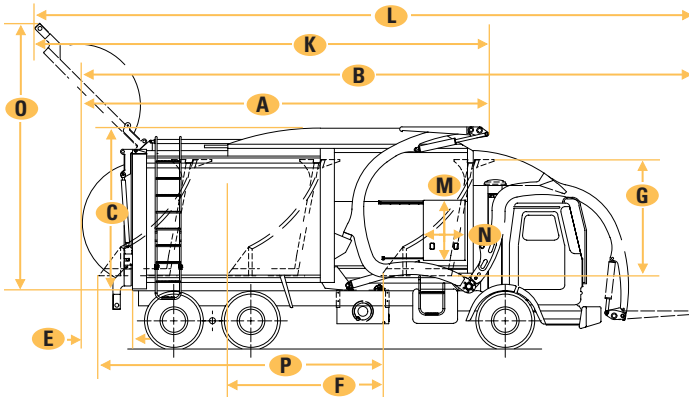
Hopper

- Floor: flat shape, 1/4" (6.4 mm), A-514, high-tensile steel, yield strength 100,000 psi (690 MPa)
- Lower side: curved, 3/16" (4.8 mm), A-514, high-tensile steel, yield strength 100,000 psi (690 MPa)

- Upper side: curved, 10 gauge (3.4 mm), A-715 GR 80F, high-tensile steel, yield strength 80,000 psi (550 MPa)
- Long sills: Z shape, 1/4" (6.4 mm), yield strength 50,000 psi (345 MPa)
- Access door opening: composite, sliding type, 26" wide x 37" high (660 mm x 940 mm)

Hydraulics

- Operating pressure: 2,000 psi (140 bars)
- Pump type: dry-valve front-mounted Tyrone DV25450 dump, gear type
- Directional valve: Gresen, 5 sections: 3 sections with electrical solenoid, 2 sections with an air actuator (arms and forks)
- Packer control: Automatic cycle of the compactor four-way joystick (arms and forks). Electric for roof and tailgate
- Hydraulic tank capacity: 60 US gal. (230 litres)
- In-tank return filter with dirt indicator. Magnetic plug. Level indicator



DIMENSIONS

	IMPERIAL 40 cu. yd.	METRIC 31 m ³
A O.A. length, forks up (travel position)	290"	7366 mm
B O.A. length, forks down	437"	11 099 mm
C O.A. height above frame, forks travel position	117"	2972 mm
D O.A. width*	96"	2438 mm
E Tailgate length	36"	914 mm
F Packer travel	110"	2794 mm
G Packer height	83"	2108 mm
H Packer width*	80"	2032 mm
I Hopper opening length*	93"	2362 mm
J Hopper opening width*	80"	2032 mm
K O.A. length, tailgate raised, travel position	323"	8204 mm
L O.A. length, tailgate raised, forks down	471"	11 963 mm
M Hopper access door: height	37"	940 mm
N Hopper access door: width	26"	660 mm
O O.A. height above frame, tailgate raised, forks travel position	191"	4851 mm
P Eject panel travel	201 3/8"	5115 mm

* Not shown on drawing

PRODUCTIVITY DATA

- Arms lifting capacity: 8,000 lb. (3625 kg) (see options)
- Packer cylinders force: 107,000 lb. (482 KN) at 2,250 rpm
- Top door opening: 10 sec. at 1,500 rpm
- Eject-panel cycle time: 31 sec. at 1,500 rpm
- Packer cycle time: 23 sec. at 1,500 rpm
- Lifting arms cycle time: 12 sec. at 1,500 rpm
- Fork cycle time: 5 sec. at 1,500 rpm
- Body tare weight 40 cu. yd. (31 m³): 16,000 lb. (7255 kg)

CHASSIS REQUIREMENTS*

Body capacities	C.C.A.	W.B.	A.F.	Chassis suitability
40 cu. yd. (31 m ³) and 42 cu. yd. (32 m ³)	186" 4724 mm	260 to 210" 5080 mm to 5334 mm	40" 1016 mm	Tandem axle equal to or more than 60,000 lb. (27 180 kg)

* On cab over chassis.

Cylinders

- Packer: (2) telescopic cylinders, 170" (4318 mm) stroke, three stages: 3", 4", 5" (76 mm, 101 mm, 127 mm)
- Top hopper door: (1) double-acting cylinder, bore 2.5" x 91.5" (63.5 mm x 2324 mm) stroke and rod 1.5" (38 mm)
- Forks: (2) double-acting cylinders, bore 4" x 20" (102 mm x 508 mm) stroke and rod 2" (51 mm) (push type activation of forks)
- Lift arms: (2) double-acting cylinders, bore 4.5" x 43" (114 mm x 1092 mm), rod 2.5" (63.5 mm)
- Tailgate: (2) double-acting cylinders, bore 2.5" x 39" (63.5 mm x 991 mm) stroke, rod 1.5" (38 mm)

Paint

- Body steel gritblasted
- One coat of prime quality urethane primer (Dupont)
- Fog coat and finishing coat in one color of polyurethane paint

STANDARD FEATURES

Lights

- "TRUCK-LITE" watertight recessed stop, clearance and tail lights, recessed in ICC bumper

Hoses

- Double and quadruple tracked wire hoses covered with nylon wrap

Packer blade

- Type: full-eject type Full height with dual double-acting telescopic cylinders criss-cross configuration
- Upper face plate: 3/16" (4.8 mm), A-514, high-tensile steel, yield strength 100,000 psi (690 MPa)
- Bottom face plate: 1/4" (6.4 mm), A-514, high-tensile steel, yield strength 100,000 psi (690 MPa)
- Packer wear shoes: AR 425, abrasion resistant
- Blocks for cylinder pin attachment, split type, bolted for easy service and maintenance

Top hopper door

- Opening: horizontal
- Type: sliding, 14 ga. (1.9 mm)
- Hopper opening: 93" long x 80" wide (2362 mm x 2032 mm)

Forks

- Construction: A-514, high-tensile steel, yield strength 100,000 psi (690 MPa)
- Dimensions: 1" (25 mm) thick, inside width 73" (1854 mm), 48" (1219 mm) length

Lift arms

- Cushion: end of stroke, loading position, piston or rod
- Construction: A-514, high-tensile steel, yield strength 100,000 psi (690 MPa)
- Capacity: 8,000 lb. (3625 kg) (see options)

Tailgate

- Type: curved bubble tailgate, 10 gauge (3.4 mm), A-715 GR 80F, high-tensile steel, yield strength 80,000 psi (550 MPa)
- Opening: top hinged
- Anti-leak rubber seal at bottom and 30" (762 mm) on each side
- Locks: two automatic tailgate latches. One on each side. Two hooks at bottom
- Capacity: 4 cu. yd. (3.06 m³) std.

Warning light and buzzer

- On console when tailgate is open
- Warning light: on dashboard to indicate when the door is opened

Safety interlock system

- No arm movement if the top door is not completely opened
- Eject system will work only if the rear door is opened and the operator holds console button
- The pump will disengage when clean-out door is opened

Mud-flaps

Front and rear

Ladder

R.H. side with non-skid steps

Warranty

3-year warranty on cylinders

OPTIONS

- Lift arms capacity: 10,000 lb. (4535 kg)
- Clean-out door
- Front of body plastic tarp

Labrie reserves the right to modify construction and/or design details and furnish equipment when so altered without reference to illustrations and/or specifications shown herein. All specifications subject to change without notice.



Productivity through innovation

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