

EXPERT 2000 CO-MINGLE

SIDE LOADING PACKER BODY

Body Capacities:

Available on 2-axle chassis in capacities of 22 and 24 cu. yd. (17 and 18 m³)
Available on 3-axle chassis in capacities of 29, 31, 33, 35, 37, and 38 cu. yd. (22, 24, 25, 27, 28, and 29 m³)

SPECIFICATIONS

Body

- Body floor: 3/16" (4.8 mm), A-607, abrasion resistant, yield strength 50,000 psi (345 MPa)
- Floor slope: 1/4" (6.3 mm), AR-425, high-tensile steel, yield strength 190,000 psi (1310 MPa)
- Sides: 12 ga. (2.7 mm), A-715 GR 80F, high-tensile steel, yield strength 80,000 psi (550 MPa)
- Long sills: HSS tubing, 6" x 2" x 3/8" (152 mm x 51 mm x 9.5 mm), yield strength 50,000 psi (345 MPa)
- Roof: 12 ga. (2.7 mm), A-715 GR 80F, structural channel, high-tensile steel, yield strength 80,000 psi (550 MPa)
- Tailgate: 12 ga. (2.7 mm), A-715 GR 80F, abrasion resistant, 80,000 psi (550 MPa)

- Weight: 14,735 lb. (6698 kg) – [33 cu. yd. (25 m³) 60/40 with two bubble tailgates but without options]
15,430 lb. (7014 kg) – [38 cu. yd. (29 m³) 60/40 with one bubble tailgate and interior hinged door but without options]

Hopper

- Fully enclosed, directly behind cab
- Loading height: 5.5" (140 mm) above frame
- Floor and sides: 1/4" (6.3 mm), S-107, abrasion resistant, high-tensile steel, yield strength 65,000 psi (450 MPa)
- Ram face: 1/4" (6.3 mm), S-107, abrasion resistant, high-tensile steel, yield strength 65,000 psi (450 MPa)

Hydraulics

- Gresen V42 control valve
- Tyrone DV25450 pump with dry valve, 50 gpm (190 litres/min.) at 1,500 rpm (on 5" cylinders)
- 66 US gal. (250 litres) hydraulic oil reservoir
- 2,000 psi (140 bars) maximum pressure
- 100 mesh strainer at pump inlet
- 7-micron in-tank return filter at 150 gpm (570 litres/min.)
- Double and quadruple braided wire hoses covered with nylon wrap

PRODUCTIVITY DATA

- Packer cycle time: 14 sec. at 1,500 rpm
- Packer cylinder force: 80,000 lb. (360 KN)
- Dumping cycle time: 55 sec. at 1,500 rpm
- Tailgate cycle time: 55 sec. at idle
- Packer swept volume: 1.38 cu. yd. (1.05 m³)

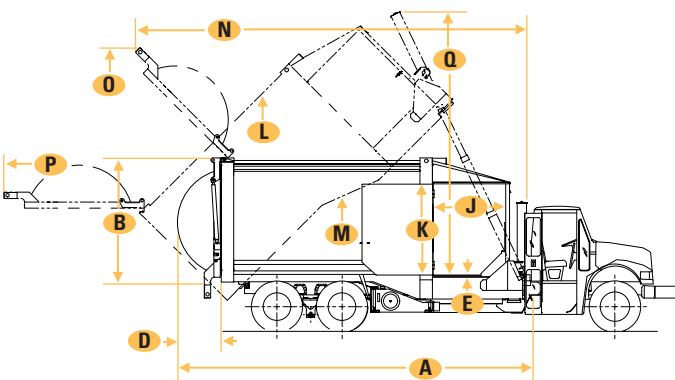
CHASSIS REQUIREMENTS*

Body capacities	C.C.A.	W.B.	A.F.	Chassis suitability
22 cu. yd. (17 m ³) and 24 cu. yd. (18 m ³)	192" 4877 mm	260" 6604 mm	40" 1016 mm	Single axle equal to or more than 33,000 lb. (14 950 kg)
29-38 cu. yd. (22-29 m ³)	204" 5182 mm	272" 6909 mm	54" 1372 mm	Tandem axle equal to or more than 54,000 lb. (24 465 kg)

* On conventional cab & chassis: Navistar, Freightliner...

STANDARD FEATURES

- Extensive use of hydraulic tubing to minimize use of hydraulic hoses and ease maintenance
- Overspeed protection standard with electronic transmission
- Cylinders
 - Front-mounted telescopic hoist 180" (4572 mm) stroke, 4-stage, 6.5" (165 mm) bore, with outer cover and bottom lifting. On 29, 31, 33, 35, and 37 cu. yd. bodies (22, 24, 25, 27, 28, and 29 m³)
 - Two 5" (127 mm) double-acting cylinders activate the packer, 40" (1016 mm) stroke, 3" (76 mm) rod. On 29 cu. yd. body and more (22 m³ and more)
 - Two 2.5" (63.5 mm) double-acting cylinders activate the tailgates, 39" (991 mm) stroke, 1.5" (38 mm) rod
 - One 2.5" (63.5 mm) double-acting cylinder for crusher panel, 14.5" (368 mm) stroke, 1.5" (38 mm) rod
- Electrical system
 - All switches are watertight and all electrical wiring runs through a cable harness
 - All circuits properly fused with color-coded and numbered wiring
- Paint
 - Body and hopper steel gritblasted
 - One coat of prime quality urethane primer (Dupont)
 - Fog coat and finishing coat in one color of polyurethane paint
- Two bubble tailgates 60/40: 1.5 cu. yd. (1.15 m³) and 2.5 cu. yd. (1.91 m³) for a total of 4 cu. yd. (3.06 m³)
- ICC bumper mounted on 60% bubble tailgate
- Dual hinges design
- Ram height: 18" (457 mm)
- Tailgate locking system: two automatic tailgate latches, one on each side and two hooks at the bottom
- Inside cab control for tailgates (R.H. and L.H. side selector) and body hoist
- Hopper divider: 3/8" (9.5 mm), A-514, high-tensile steel, yield strength 100,000 psi (690 MPa)
- Two easily replaceable packer wear shoes AR 425, abrasion resistant, 400-477 Brinell surface hardness
- Two AR 500 packer rail guides on hopper floor
- 3-piece folding packer ram for greater loading space and shorter walking distance between driving and loading positions
- Partial crusher panel on 60% side, 3/16" (4.8 mm), with right-hand side control
- Rounded walls, roof and floor increase rigidity, lightness and self-cleaning
- Stop, clearance and safety lights enclosed in tailgate frame
- "TRUCK-LITE" watertight recessed stop, clearance and tail lights
- Body safety prop
- Inside cab control for tailgate and body hoist
- "Pack-on-the-go" feature
- Front and rear mud guards
- 3-year warranty on cylinders



DIMENSIONS

	3 axles		3 axles	
	IMPERIAL	METRIC	IMPERIAL	METRIC
	33 cu. yd.	25 m ³	38 cu. yd.	29 m ³
A O.A. length	288"	7315 mm	318"	8077 mm
B O.A. height above frame	101"	2565 mm	101"	2565 mm
C O.A. width*	96"	2438 mm	96"	2438 mm
D Tailgate length	36"	914 mm	36"	914 mm
E Loading height above frame	5 1/2"	140 mm	5 1/2"	140 mm
F Packer travel*	52"	1321 mm	52"	1321 mm
G Packer height*	18"	457 mm	18"	457 mm
H Packer width*	71 1/2"	1816 mm	71 1/2"	1816 mm
I Packer penetration inside body*	12"	305 mm	12"	305 mm
J Hopper opening width	60"	1524 mm	60"	1524 mm
K Hopper opening height	74"	1880 mm	74"	1880 mm
L Dumping angle, body	46.5°	46.5°	46.5°	46.5°
M Angle of slope, raised	25.5°	25.5°	25.5°	25.5°
N O.A. length, tailgate raised, body down	322"	8179 mm	352"	8941 mm
O O.A. height, tailgate raised, body down, above frame	191"	4851 mm	191"	4851 mm
P O.A. length, dumping position	429"	10 896 mm	457"	11 610 mm
Q O.A. height, dumping position, above frame	221"	5613 mm	229"	5817 mm

* Not shown on drawing

OPTIONAL EQUIPMENT

- One tailgate and inside-body hinged door instead of two 60/40% tailgates
- In cab and left-hand side packer controls
- Pump overspeed protection (on mechanical transmission)
- Criss-cross chutes for manual loading of material
- Hydraulically activated adjustable chute and cart tipper for 95 US gal. American or European style roll carts (360 litres)
- Hydraulically activated split chute and cart tipper for split carts (95 US gal. Toter carts)

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.



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