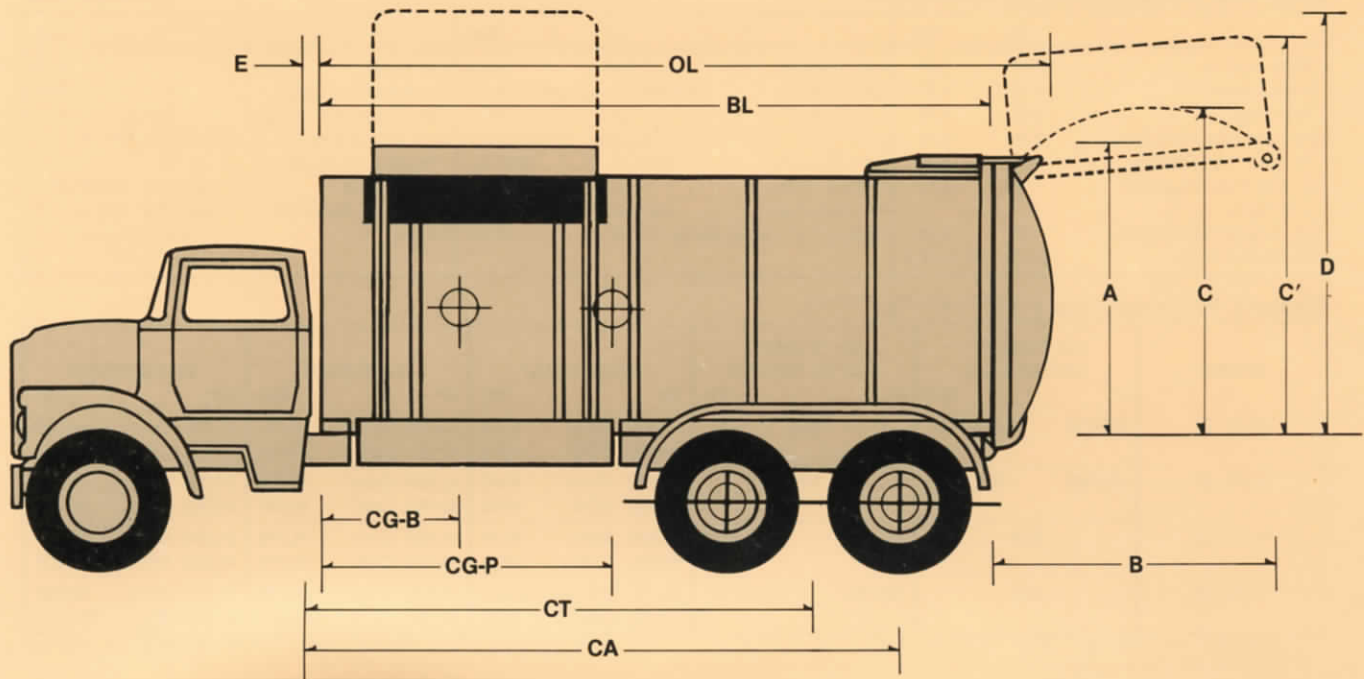




A one-man automated system that handles a variety of container applications.

HLRL Container Retriever

PAK-MOR[®]
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Dimensional Specifications

SYMBOL	DESCRIPTION	DIMENSIONS	
		in	mm
A	Body Height Including Lift Device	98	2490
B	End of Body to End of Rear Door - Elevated Position	95	2413
C	Height of Rear Door - Elevated Position (HLRL 24 & HLRL 29)	105	2667
C'	Height of Rear Door - Elevated Position (HLRL 33)	148	3759
D	Body Height Including Lift Device - Elevated Position	151	3835
E	Rear of Cab or "Clear" Frame to Front of Body	3	77
-	Body Width Including Lift Device	96	2438

The products illustrated in this catalog are protected by United States and Foreign patents, patents pending and applied for. Illustrations and specifications are not binding as detailed as Pak-Mor reserves the right under the company's product development program to change design or construction details and to furnish equipment when thus altered without reference to illustrations or specifications presented herein, and supersedes all previously published information.

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 DOING A BETTER JOB THROUGH BETTER DESIGN

HLRL Container-Retriever Specifications.



General Specifications

MODEL	CAPACITY		OL OVERALL LENGTH		BL BODY LENGTH		CG-B BODY		CG-P PAYLOAD		BODY WEIGHT		BODY VOLUME	
	yd ³	m ³	in	mm	in	mm	in	mm	in	mm	lbs	kgs	ft ³	m ³
HLRL 24	24	18.34	228	5715	210	5334	82	2083	128	3251	10,727	4866	1200	33.98
HLRL 29	29	22.17	266	6680	248	6293	98	2489	148	3759	11,448	5193	1403	39.73
HLRL 33	33	25.22	300	7620	248	6293	102	2591	160	4064	12,203	5535	1600	45.31

Body and Construction Specifications

#Hi-Tensile Steel

	in	mm		in	mm		in	mm
Body Shell†	12GA	2.66	Lift Tracks‡	3/8	9.53	Lift Cyls.	4	101.6
Body Floor†	3/16	4.76	Lift Links ‡	2½x2½x¼	63.5x63.5x6.35	Track Extend Cyls.	2½	63.5
Rear Door	3/16	4.76	Lift Reach	30	762.0	Rear Door Lift Cyl.(s)	2½	63.5
Packer Plate Face Sheet	3/16	6.35	Lift Cycle	Approx. 20 Seconds		Hyd. Pump (Per Tandem Section)	28.5 GPM	107.9 LPM
Packer Plate Frame‡	1/4	4.76	Lift Capacity	3000 lb.	1360 kg	Hyd. Filters	50 GPM	189.25 LPM
Packer Plate Guides‡ (I-Beams)	6	152.4	Sweep Cycle	10-12 Seconds		Operating Pressure	1800 PSI	12410 KPA
Lift Frame Side Plates‡	1/4	6.35	Oil Reservoir	49 Gal.	189.25 Lit.	Hoses	4 to 1 Burst	
Lift Frame Arms	1/2x3	12.7x76.2	Packer Cyl. (Main Bore)	8-7/16	214.3			

Chassis Requirements (*) (**) (***) (****)

MODEL	CA "CLEAR" CAB TO AXLE		CT "CLEAR" CAB TO TANDEM		GAWR-FRONT		GAWR-REAR		GVW-MINIMUM	
	in	mm	in	mm	lbs	kgs	lbs	kgs	lbs	kgs
HLRL 24	125-138	3175-3505	N/A		8,000 Conv	3628	23,000 Conv	10,431	31,000 Conv	14,059
					10,000 COE	4535	21,000 COE	9,524	31,000 COE	14,059
HLRL 29	150-165	3810-4191	N/A		9,000 Conv	4082	23,000 Conv	10,431	32,000 Conv	14,512
					10,000 COE	4535	23,000 COE	10,431	33,000 COE	14,966
HLRL 29	N/A		150-165	3810-4191	10,000 Conv	4535	34,000 Conv	15,419	44,000 Conv	19,954
					11,000 COE	4989	34,000 COE	15,419	45,000 COE	20,408
HLRL 33	N/A		150-165	3810-4191	10,000 Conv	4535	34,000 Conv	15,419	44,000 Conv	19,954
					11,000 COE	4989	34,000 COE	15,419	45,000 COE	20,408

(*) Conv = Conventional Cab — COE = Cab Over Engine

(**) Body weights, minimum front and rear gross axle weight ratings (GAWR), and gross vehicle weights (GVW) are for standard HLRL Bodies. If optional features are specified GAWR's and GVW must be increased accordingly.

(***) Any Chassis sent to PAK-MOR MFG. CO. with less than the minimum specifications will not be mounted.

(****) Diesel engines require full variable speed governor.

Standard Equipment (except as may be replaced by optional equipment)

- Rapid sweep cycle to clear hopper
- Top hopper door (lift frame cover)
- Top hinged hydraulic rear door
- Warning alarm
- FMVSS #108 lights and reflectors
- Rear center-mounted stop light
- Streetside lift
- Packer and rear door controls — positive lever type with manually actuated throttle, streetside
- Cab controls — positive lever type pack, sweep and lift controls with manually actuated throttle
- Manual rear door locks
- Oil reservoir — 49 gal. capacity mounted on front of body. Equipped with magnetic trap, oil level sight gauge, filler-breather cap, shut-off valve (suction line), and 49 gals. of hydraulic oil
- Filters - 50 gpm return line filter and 50 gpm suction line filter
- Access door - opposite side of lift device only

Optional Equipment

- Curbside lift (includes packer and rear door controls curbside)
- Push button cab controls — air actuated, pressure sensitive pack and sweep controls with automatically actuated throttle (chassis must have air supply)
- Four-way joystick cab controls — air actuated lift controls (chassis must have air supply)
- Automatic rear door locks
- Frame mounted oil reservoir — 49 gal. capacity mounted under body on chassis frame. Equipped with magnetic trap, oil level sight gauge, filler-breather cap, shut-off valve (suction line), and 49 gals. of hydraulic oil
- Automatic side closure door with lock-out control and automatically actuated throttle. Equipped with skid-resistant loading step and handrails for hand loading application, opposite side of lift device only (added weight - 210 lbs / 96 kgs)
- Heavy duty body — 3/16 in. body shell and 1/4 in. floor sheets
- Packer lock-out system (to prevent container dumping behind packer plate)
- Container washout system — 80 gal. capacity. Equipped with hand-held sprayer or cab-controlled automatic sprayer (chassis must have air supply) (added weight - 260 lbs / 118 kgs)
- Lift attachment for 90 and 300 gal. round containers ("barrel grabber") (added weight - 650 lbs / 295 kgs)
- Tool box
- Back-up sensor
- Rotary beacon
- Power take-off and live power drive options

All PAK-MOR Rear Loaders have been certified as complying with standards established by the American National Standards Institute (ANSI Z 245.1-1984)