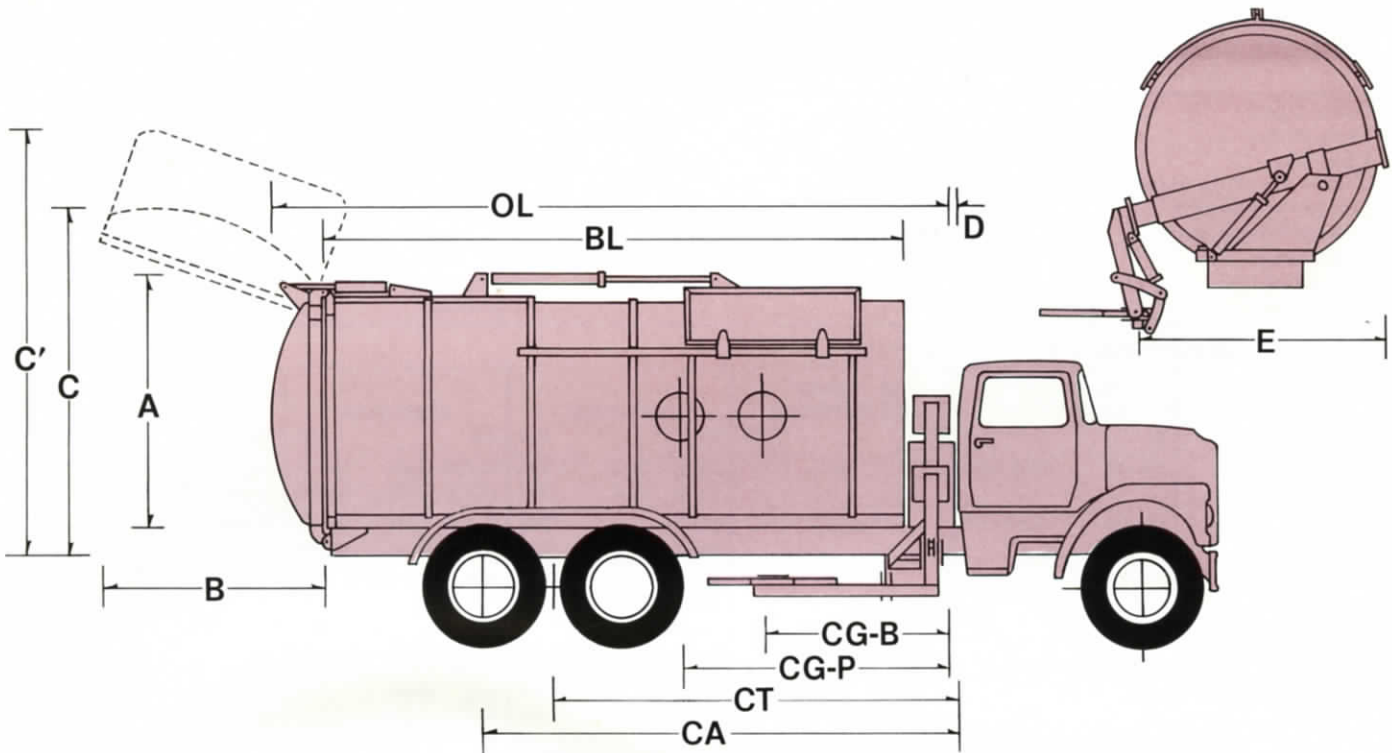




**A one-man automated system designed for ease of operation in residential application.**

# HR200 Retriever

**PAK-MOR<sup>®</sup>  
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### Dimensional Specifications

SYMBOL	DESCRIPTION	DIMENSIONS	
		in	mm
A	Body Height	96	2438
B	End of Body to End of Rear Door - Elevated Position	95	2413
C	Height of Rear Door - Elevated Position	105	2664
C'	Height of Rear Door - Elevated Position (HR233)	148	3759
D	Rear of Cab or "Clear" Frame to Front of Body	3	77
E	Body Width Including Lift Device - Stowed Position	96	2438

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 DOING A BETTER JOB THROUGH BETTER DESIGN

# HR200 Retriever Specifications.



## General Specifications

MODEL	CAPACITY		OL OVERALL LENGTH		BL BODY LENGTH		CG-B BODY		CG-P PAYLOAD		BODY WEIGHT		BODY VOLUME	
	yd <sup>3</sup>	m <sup>3</sup>	in	mm	in	mm	in	mm	in	mm	lbs	kgs	ft <sup>3</sup>	m <sup>3</sup>
HR220	20	15.29	212	5385	181	4597	73	1854	120	3048	9,722	4410	992	28.09
HR224	24	18.34	268	6807	210	5334	84	2134	137	3480	10,577	4798	1162	32.91
HR229	29	22.17	286	7264	248	6299	108	2743	168	4267	11,010	4994	1359	38.49
HR233	33	25.22	320	8128	248	6299	112	2845	172	4369	11,765	5337	1550	43.90

## Body and Construction Specifications

#Hi-Tensile Steel

	in	mm		in	mm		in	mm
Body Shell†	12GA	2.66	Lift Reach	65	1651	Top Hopper Door Cyl. (opt.)	2½	63.5
Body Floor†	3/16	4.76	Lift Cycle	10-12	Seconds	Rear Door Lift Cyl.	2½	63.5
Rear Door	3/16	4.76	Lift Capacity	2000 lb.	907 kg	Rear Door Lift Cyls. (HR233)	3	76.2
Packer Plate Face Sheet†	3/16	4.76	Sweep Cycle	10-12	Seconds	Oil Reservoir	49 Gal.	189.25 Lit.
Packer Plate Frame†	1/4	6.35	Packing Force	15.5 PSI	106.8 KPA	Hyd. Pump (Per Tandem Section)	28.5 GPM	107.9 LPM
Packer Plate Guides† (I-Beams)	6	152.4	Packer Cyl. (Main Bore)	8-7/16	214.3	Hyd. Filters	50 GPM	189.25 LPM
Lift Arms†	6x10x1/4	152.4x254x6.35	Lift Cyls.	3	76.2	Operating Pressure	1800 PSI	12410 KPA
	4x8x3/8	101.6x203.2x4.76	Lift Extend Cyl.	2½	63.5	Hoses	4 to 1	Burst

## 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
HR220	138-156	3505-3962	N/A	N/A	16,000 Conv	7258	23,000 Conv	10,433	39,000 Conv	17,690
					16,000 COE	7258	23,000 COE	10,433	39,000 COE	17,690
HR224	144-162	3658-4115	N/A	N/A	16,000 Conv	7258	23,000 Conv	10,433	39,000 Conv	17,690
					16,000 COE	7258	23,000 COE	10,433	39,000 COE	17,690
HR229	168-178	4267-4521	N/A	N/A	N/A Conv	N/A	N/A Conv	N/A	N/A Conv	N/A
					18,000 COE	8165	29,000 COE	13,154	47,000 COE	21,319
HR229	N/A	168-178	4267-4521	N/A	N/A Conv	N/A	N/A Conv	N/A	N/A Conv	N/A
					18,000 COE	8165	38,000 COE	17,237	56,000 COE	25,402
HR233	N/A	172-182	4369-4623	N/A	N/A Conv	N/A	N/A Conv	N/A	N/A Conv	N/A
					18,000 COE	8165	38,000 COE	17,237	56,000 COE	25,402

(\*) 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 HR200 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 hinged hydraulic rear door
- Warning alarm
- FMVSS #108 lights and reflectors
- Rear center-mounted stop light
- Curbside lift
- Packer and rear door controls — positive lever type with manually actuated throttle, curbside
- Cab controls — positive lever type pack and sweep controls with manually actuated throttle
- Four-way joystick cab controls — air actuated lift controls (chassis must have air supply)
- 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

- Streetside lift (includes packer and rear door controls curbside)
- Air cab controls — air actuated pack and sweep controls with automatically actuated throttle (chassis must have air supply)
- Automatic rear door locks
- Frame mounted oil reservoir — 54 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 54 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
- Heavy duty body — 3/16 in. body shell and 1/4 in. floor sheets
- Hydraulic top hopper door
- 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)
- Tool box
- Back-up sensor
- Rotary beacon
- Power take-off and live power drive options

All PAK-MOR Bodies have been certified as complying with standards established by the American National Standards Institute (ANSI Z 245.1-1984) PMHR200 870501