

# Hyundai Special Vehicles Specifications



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## Contents

VAN TRUCK	Dry Van	4
	Refrigerated Van	
	Insulated Van	
	Cool Van	
	Eutectic Cold Van	
	Bottle Carrier	
	Wingbody	
	Two-way Refrigerated / Cool Van	
WASTE COLLECTOR	Press Pack	28
	Roll Pack	
	Arm Roll	
	Waste Collection Tipper Truck	
	Road Sweeper	
CONSTRUCTION TRUCK	Mixer Truck	40
	Dump Truck	
CRANE TRUCK	Stiff Crane	48
	Knuckle Crane	
	Wrecker Truck	

TANKER LORRY	Water Tanker Lorry	58
	Vacuum Lorry	
	Fuel Tanker Lorry / Home Lorry	
SPECIAL PURPOSE	Fire Fighting Truck	68
	Cargo Deck	
	Liftable Air Suspension	
	Double Cab	
	4 Wheel Drive	
SPECIAL TRANSPORT	Flatbed Truck	78
	Car Carrier	
	Troop Transport Truck	
	Safety Loader	
	Underlift Truck	
	Mobile Workshop	
BUS	Wheelchair Lift Bus	92
	Courty Extra Long Body	

# VAN TRUCK Standard Specifications

## Refrigerated Van

Model	HD45	HD65	HD72	HD120			HD170	HD250	HD320		
Wheelbase	Long			Ex-Long			Long			Ex-Long	
Cab type (Width/Length)	Narrow STD	Narr/Wide STD	STD	Sleeper							
Drive system	4 X 2						6 x 4		8 x 4		
Overall (mm)	Length	5,330	6,355	6,810	7,735	7,735	8,675	8,675	10,530	11,520	12,630
	Width	1,955	2,070	2,230	2,450	2,450	2,460	2,460	2,495	2,495	2,495
	Height	2,865	2,990	2,990	3,275	3,275	3,330	3,330	3,730	3,660	3,750
Body (mm)	Length	3,460	4,210	4,730	5,060	4,890	6,200	6,000	6,720	8,460	9,800
	Width	1,770	1,890	2,040	2,280	2,280	2,280	2,280	2,280	2,280	2,280
	Height	1,800	1,800	1,800	2,050	2,050	2,050	2,050	2,100	2,100	2,100
Box Volume (m³)	11.0	14.3	17.4	23.7	22.9	29.0	28.0	32.2	40.5	46.9	
Box Floor	SUS430 corrugated floor										
Box Panel	Aluminium 70mm						Aluminium 80mm				
Rear Door	Twin swing door										
Room Lamp	LED 4ea	LED 6ea					LED 8ea		LED 10ea		
Compressor	Single	Twin		Twin	Single	Twin	Single	Twin			
Refrigerator	Main Engine		Main Engine	Sub Engine	Main Engine	Sub Engine					
Outside Temp. 30" Empty box	-16°C			-16°C	-22°C	-16°C		-22°C			
G.V.W (kg)	4,500	6,500	7,300	12,520	12,520	12,520	12,520	18,800	30,600	38,200	
E.V.W (kg)	2,700	3,435	3,595	6,715	7,115	7,105	7,505	10,540	15,340	17,720	
C/Cab	1,880	2,355	2,475	4,215	4,215	4,305	4,305	5,940	8,840	10,220	
U/Body	1,320	1,945	2,025	3,805	4,305	4,015	4,615	5,660	8,760	9,480	
Payload (kg)	1,300	2,200	2,800	4,500	4,000	4,200	3,600	7,200	13,000	18,500	

## Insulated Van

Model		HD45	HD65	HD72	HD120		
Wheelbase		Long			Long		Ex-Long
Cab type		Narrow/STD			Narr/Wide, STD	STD	
Drive system		4 X 2					
Overall (mm)	Length	5,330	6,335	6,810	7,735	8,740	
	Width	1,955	2,070	2,230	2,450	2,450	
	Height	2,865	2,990	2,990	3,275	3,320	
Body (mm)	Length	3,460	4,210	4,730	5,060	6,200	
	Width	1,770	1,890	2,040	2,280	2,280	
	Height	1,800	+	+	2,050	2,050	
Box Volume (m³)		11.0	14.3	17.4	23.7	29.0	
Box Floor		SUS430 corrugated floor					
Box Panel		Aluminium 70mm					
Rear door		Twin swing door					
Room lamp		LED 4ea	LED 6ea		LED 8ea		
G.V.W (kg)		4,500	6,500	7,300	12,520	12,520	
E.V.W (kg)		2,580	3,350	3,510	6,615	7,005	
C/Cab		1,880	2,355	2,475	4,215	4,305	
U/Body		1,220	1,745	1,525	3,605	3,815	
Payload (kg)		1,400	2,400	3,300	4,700	4,400	

\* The box length could be shortened in case of HD65/HD72 Super Cab. Specifications are subject to change without prior notice.  
\* Specifications may differ depending on selected engine and options.

4\_Hyundai Special Vehicle

## Cool Van

Model	HD45		HD65		HD72	
Wheelbase	Long					
Cab type	Narrow/STD		Nar/Wide, STD		STD	
Drive system	4 X 2					
Overall (mm)	Length	5,015	6,235		6,750	
	Width	1,885	2,030		2,220	
	Height	2,890	2,890		2,980	
Body (mm)	Length	3,460	4,330		4,900	
	Width	1,850	1,960		2,100	
	Height	1,850	1,850		1,850	
Box Volume (m³)	11.8	15.7		19.0		
Box Floor	SUS430 corrugated floor					
Box Panel	GI (Galvanized Iron) 40mm					
Rear Door	Twin swing door					
Room Lamp	LED 4ea				LED 6ea	
Compressor	Single				Twin	
Refrigerator	Main engine					
	Outside Temp. 30" Empty box	-4°C	-3°C		-1°C	
G.V.W (kg)		4,500	6,500		7,300	
	E.V.W (kg)	2,580	3,305		3,475	
	C/Cab	1,880	2,355		2,475	
	U/Body	1,270	1,945		2,025	
	Payload (kg)	1,350	2,200		2,800	

## Dry Van

Model	HD45	HD65	HD72	HD120		HD170	HD250	HD320	
Wheelbase	Long			Long	Ex-Long	Long	Ex-Long		
Cab type (Width/Length)	Narrow STD	Narrow/Wide STD	STD	Sleeper					
Drive system	4 X 2						6 X 4	8 X 4	
Overall (mm)	Length	5,300	6,355	6,810	7,605	8,670	10,530	11,830	12,630
	Width	1,950	2,120	2,230	2,420	2,480	2,495	2,495	2,495
	Height	2,840	2,950	2,950	3,285	3,270	3,600	3,600	3,600
Body (mm)	Length	3,460	4,330	4,900	5,210	6,250	7,300	9,250	10,100
	Width	1,850	1,960	2,100	2,320	2,320	2,380	2,380	2,380
	Height	1,850	1,850	1,850	2,100	2,100	2,100	2,100	2,100
Box Volume (m³)	11.8	15.7	19.0	25.4	30.5	36.5	46.2	50.5	
Box Floor (mm)	15mm			18mm					
Panel Thickness	Galvanized iron 40mm				Galvanized iron 50mm				
Rear Door					Twin swing door with ventilator				
Room Lamp	LED 4ea	LED 6ea		LED 8ea					LED 10ea
G.V.W (kg)	4,500	6,500	7,300	12,520	12,520	18,800	30,600	38,200	
E.V.W (kg)	2,480	3,215	3,370	6,565	6,705	9,140	13,440	15,420	
C/Cab	1,880	2,355	2,475	4,215	4,305	5,940	8,840	10,220	
U/Body	1,120	1,745	1,825	3,805	3,715	4,360	6,760	7,980	
Payload (kg)	1,500	2,400	3,000	4,500	4,500	8,500	15,000	20,000	

\* The box length could be shortened in case of HD65/HD72 Super Cab. Specifications are subject to change without prior notice.  
\* Specifications may differ depending on selected engine and options.

Hyundai Special Vehicle\_5

# VAN TRUCK Standard Specifications

## Eutectic Cold Van

Model	HD45	HD65	HD72	HD120			HD170
Wheelbase	Long			Long	Ex-Long	Long	
Cab type	Narrow STD	Narr/Wide STD	STD	Sleeper			
Drive system	4 X 2						
Overall (mm)	Length	4,955	5,970	6,715	7,670	8,620	9,525
	Width	1,970	2,050	2,230	2,490	2,490	2,490
	Height	2,850	2,850	2,850	3,450	3,450	3,450
Body (mm)	Length	3,460	4,180	4,680	5,060	6,080	7,550
	Width	1,770	1,850	2,030	2,290	2,290	2,290
	Height	1,800	1,800	1,800	2,030	2,030	2,030
Box Volume (m³)	11.0	13.9	17.1	23.5	28.3	35.1	
Box Floor	SUS430 checkered floor						
Box Panel	FRP 100mm						
Rear door	Twin swing door						
Side door	Standard Type 1ea						
Eutectic Plates	7ea (30K per unit)			8ea (37K per unit)			
Lowest Temp. Outside Temp. 30" + Empty box	-30°C						

## Wingbody

Model	HD65	HD72	HD120	HD170	HD250	HD320	
Wheelbase	Long		EX-Long	Long		EX-Long	
Cab type	Narrow/STD	STD	Sleeper				
Drive system	4 X 2			6 x 4		8 x 4	
Overall (mm)	Length	6,635	7,035	8,745	10,700	12,115	12,820
	Width	2,280	2,280	2,495	2,495	2,495	2,495
	Height	3,020	3,020	3,610	3,710	3,950	3,970
Body (mm)	Length	4,600	5,000	6,320	8,200	9,630	10,325
	Width	2,130	2,130	2,350	2,380	2,380	2,380
	Height	2,000	2,000	2,400	2,500	2,500	2,500
Box Volume (m³)	19.6	21.3	35.6	48.2	57.3	61.4	
Box Floor (mm)	Apitong Wood (18mm)				Steel Checkered Plate (3.2mm)		
Box Panel	Aluminium 0.8mm with Frame						
Side Gate	Aluminium Side Gate						
Rear door	Twin swing door						
Air Spoiler	Standard on C/Cab						
Rear Overhang	2,035	2,290	2,430	3,280	3,605	2,975	
G.V.W (kg)	6,500	7,300	12,520	19,710	30,600	38,200	
E.V.W (kg)	3,855	4,085	6,645	9,110	11,860	13,720	
C/Cab	2,355	2,475	4,305	6,310	8,840	10,220	
U/Body	1,500	1,610	2,340	2,800	3,020	3,500	
Payload (kg)	2,645	3,215	5,875	10,060	18,740	24,480	

\* The box length could be shortened in case of HD65 Super Cab.  
\* Specifications may differ depending on selected engine and options.  
Specifications are subject to change without prior notice

6\_Hyundai Special Vehicle

## Bottle Carrier

Model	HD65	HD72	HD120			
Wheelbase	Long			Ex-Long		
Cab type	Wide STD		Sleeper			
Drive system	4 X 2					
Overall (mm)	Length	5,970	6,370	7,360	8,700	8,550
	Width	2,100	2,100	2,290	2,290	2,290
	Height	2,342	2,342	3,285	3,285	3,285
Body (mm)	Length	4,335	4,735	5,335	6,680	6,525
	Width	2,120	2,120	2,200	2,200	2,200
	Height	1,800	1,800	1,850	1,850	1,850
Bay	8 (1,050 x 1,050)	8 (1,050 x 1,050)	8 (1,300 x 1,090)	10 (1,300 x 1,090)	12 (1,050 x 1,090)	
Box Floor	SUS430 Floor (V-Shaped) - Inclination 4-6°					
Side door	Standard Type 1ea			Sliding Door 5ea	Sliding Door 5ea	
Bay Guard Pipe	16			20	24	

## Two-way Refrigerated / Cool Van

Model		HD65	HD120
Wheelbase		Long	Ex-Long
Cab type		WIDE/STD	Sleeper
Drive system		4 X 2	
Overall (mm)	L	6,510	8,675
	W	2,070	2,430
	H	2,250	2,480
Body (mm)	L	4,210	6,200
	W	1,890	2,280
	H	1,900	2,200
Volume (m³)		15.1	31.1
Box Panel		Aluminium 70mm	
Floor		SUS304 Corrugated Floor (750mm flat floor in the middle)	SUS304 Corrugated Floor (1,000mm flat floor in the middle)
Refrigerator	Type	Main Engine	
	Outside temp. 30 ° Empty box	-20 °C	-10 °C
	Compressor	Twin Compressor (C/Cab Air conditioner must be equipped)	
	Evaporator	Twin evaporator (Front tea, Rear tea)	
Others		Include movable Partition, E-track (2low)	
G.V.W (kg)		6,500	12,520
	E.V.W (kg)	3,855	7,205
	C/Cab	2,355	4,305
	U/Body	1,500	2,900
	Lowest Temp.	2,645	5,315

## Van Truck

# Dry Van Refrigerated Van Insulated Van Cool Van



Dry / Refrigerated Van



Insulated / Cool Van

- Dry / Refrigerated / Insulated / Cool Vans are available for the HD45 ~ 320 platforms.  
(However, only HD 65 / 72 are recommended for the cool van due to cooling performance. Not recommended for HD120 model and above.)
- They can be manufactured after options have been selected according to customer requirements.
- Prior consultation with the Special Vehicle Team is required for special vans other than the standard vans.

**Caution** : Standard vans are not designed to load heavy equipment such as forklifts.  
Heavy equipment may damage the floor and the van box.  
Please consult with the Special Vehicle Team if such use is required.



## Refrig / Insul / Cool Van Standard Specifications

	Dry Van	Refrig Van	Cool Van
Interior			
Common Specifications	Dry Van Body + Apitong Floor + GI Panel + Rear Door + Ventilator + Reflection Film +Emergency Bell + LED Room Lamp	Ref. Van Box + Refrigerator Unit + SUS430 Corrugated Floor + Air Rib + Rear Twin Swing Door + Rear Marker Reflector + LED Room Lamp + Emergency Bell	Dry Van Body + SUS430 Corrugated Floor + Refrigerator Unit
Panel	GI 40mm (or 50mm)	AL 70mm (or 80mm)	GI 40mm
Ref. System	X	Main engine Sub engine	Main engine type
Air rib	X	0	X
Floor	Apitong Wood	SUS430	SUS430
Thickness	15mm (or 18mm)	1.2mm (+Wood 5mm + Polystyrene 65mm + GI Plate 0.5mm)	
Key Markets	Distributors handling products that are not sensitive to temperature changes	Bakery shops, confectionery companies distributing frozen desserts	Distributors handling agricultural and livestock products/refrigerated foods
	Cosmetics, clothing, electronic products, office furniture, furniture and bedding distributors	Dairy product distributors and food manufacturing businesses	Dairy product distributors and food manufacturing businesses
	Printing/publishing companies, bakery/pastry shops, flower shops	Distributors handling agricultural and livestock products/frozen foods	Department stores, bakery/pastry shops
	* Eutectic Van is recommended for transporting ice cream / frozen fruit		
Option	HD45~HD320 Same Conditions		

8\_Hyundai Special Vehicle

Hyundai Special Vehicle\_9

## Van Truck

Dry Van / Refrigerated Van / Insulated Van / Cool Van

### Floor



#### SUS430 floor

Ref. / Ins. / Cool  
HD45~HD320

Note: Standard



#### Apitong wood floor

Dry / Wing Body  
HD45~HD320  
\* Thickness : 15mm  
Apitong Wood

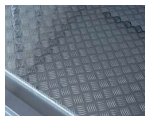
Note: Standard



#### SUS304 floor

Ref. / Ins. / Cool  
HD45~HD320

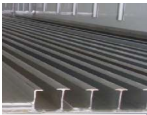
Note: Option 1



#### AL checked floor

Ref. / Ins. / Cool / Dry  
HD 45/65/72/78/120  
\* Anti-corrosive, Light Weight

Note: Option 2



#### AL T-floor

Ref. / Ins. / Cool  
HD120

\* Improves chill circulation of the floor plate, which makes faster cooling than in common ref. vans and cooling efficiency increased

Note: Option 3



#### SUS 304 flat floor

Ref. / Ins. / Cool  
HD45~HD320

\* Suitable for cases in which wheels like trolleys are used for loading

Note: Option 4

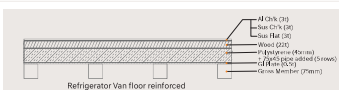


#### SUS 430 checked floor

Ref. / Ins. / Cool / Dry  
HD45~HD320

Note: Option 5

Reinforcement can be applied to AL checked, SUS304 Flat, SUS 430 checked floor.  
Please consult with Hyundai Special Vehicle Team



- Option 1**
- Uneven floor material SUS430 installed as standard is changed to SUS304 (bolts / rivets are also made of SUS304)
  - For more information about difference between SUS430 and SUS304, Please refer the material property reference
- Option 2**
- For the dry van, AL Checked steel plate (3.2mm) is applied onto the standard Apitong wood floor
  - For the Ref. / Ins. Vans, AL Checked steel plate (3.2mm) is applied after standard SUS 430 floor has been removed
- Option 3**
- If this option is selected, 5~60mm of floor height is raised compared to the standard floor
- Option 5**
- It is mainly selected with the reinforcement options, and can also be selected as a separate option
  - General options and reinforcement options plus SUS430 Checked Floor have some differences.  
For details, please contact Special Vehicle Team

10\_Hyundai Special Vehicle

## Reference Information about Stainless Steel

	Apitong	Stainless SUS 430	Stainless SUS 304
Series	-	Ferrite (Fe-Cr)	Austenite (Fe-Cr-Ni)
Composition	Apitong Wood	Cr 18%	Cr 18% + Ni 8%
Strengths	Low moisture content, hardness, less shrinkable	Basic use (magnetism)	Corrosion / thermal resistance Low Temperature Strength (No magnetism)
Weaknesses	Scratches and dent not suitable for wet area	Low corrosion resistance (ver. SUS 304)	Higher cost
Scope of Use	Trailer deck, furniture, flooring	Kitchen sink, Family bath (Standard)	Turbine vessels, aircraft, vehicles (Option)

\* Cr-Ni is 300 family, Cr-Ni-Mn is 200 family ⇒ Categorized by Cr, Ni, Mn composition

### Panel



#### Aluminum 70mm panel

Ref. / Ins.  
HD45~HD120 : 70mm  
HD170~320 : 80mm

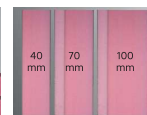
Note: Standard



#### Galvanized iron 40mm panel

Cool / Dry  
HD45~HD72 : 40mm  
HD120~320 : 50mm

Note: Standard



#### Aluminum 100mm panel

Ref. / Ins. / Cool  
HD45~HD320

Note: Option 1



#### Aluminum outside panel

Dry  
HD45~HD320

Note: Option 2



#### Body frame extension

Ref. / Ins. / Cool / Dry  
HD 65/72/78

\* HD65~78 : 250~350mm  
HD120 : 400mm


Note: Option 3

- Option 1**
- Polystyrene panel thickness varies among refrigerated vans while the exterior plate thickness (0.5mm) is fixed.

- Option 2**
- Exterior panel thickness varies for dry vans while polystyrene(40~50mm) thickness is fixed.
  - Achieved weight reduction of about 50% compared to GI plate for improved fuel efficiency.

Hyundai Special Vehicle\_11

### Panel



**Body size up/down (per m²)**  
Ref. / Ins. / Cool / Dry  
HD 45/65/72/78  
\* based on STD C/CAB  
**Note:** Option 4 (+Option 3)

**Option 4 (+Option 3)**

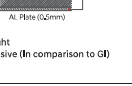

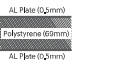

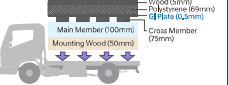
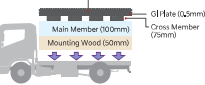
- Option 3 (Body Frame Extension) must be selected together when the length is extended (forced option)
- Left and right viewing angles must be ensured when the width is extended and the local laws and safety regulations must be checked when the option is selected
- The box size cannot be changed for HD120 or higher models

### Maximum Size up Specification

Contents	HD45			HD65/72 (78)		
	L	W	H	L	W	H
Dry / Cool	3,460	1,850	1,850	4,900	2,100	2,100
Ref. / Ins.	3,460	1,770	1,800	4,730	2,040	2,000


Max. Size up : +50mm(width) / +150mm (height) / +½ of wheelbase (length)

## Panel Reference Information


	Refrig / Insul	Dry / Cool
Side	<p>Aluminum</p> 	<p>Galvanized Iron</p> 
Front	<p>Light Weight Anti-Corrosive (In comparison to GI) High Cost</p>	<p>Anti-Corrosive (In comparison to steel) Low cost (In comparison to Aluminum)</p>
Upper		
Floor		

12\_Hyundai Special Vehicle


## Door Types




**Rear door**  
Ref. / Ins.  
HD45-HD320  
Door frame : Dry → Steel,  
Ref./Ins./Cool → Steel(Outside)  
SUS430(inside)  
**Note:** Standard



**Side swing door (Standard / Large)**  
Ref. / Ins. / Cool / Dry  
HD45-HD320  
Door frame :  
Dry → Steel  
Ref./Ins./Cool → SUS430  
**Note:** Option 1(STD), Option 2(Large)



**Triple rear door**  
Ref. / Ins. / Cool / Dry  
HD45/65/72  
**Note:** Option 3



**Roll-up door (Rear / Side)**  
Ref. / Ins. / Cool / Dry  
HD45/65/72  
**Note:** Option 4

## Option 1 (STD), Option 2 (Large)

- The side step is mounted as standard when the side door is selected (can also be changed to folding step-type)
- It can be mounted in LH or RH, and is mounted in the general direction (LH Driven → RH, RH Driven → LH) unless otherwise specified
- 2ea doors can be mounted to one side, and they can be changed to swing-type two-door on customer request
- The door lock is the key type
- For dry vans, the lower sill of the door is removed to enhance user convenience
- When the SUS304 floor is specified then Side Door Frame and Rear Door Frame (inside) are also changed to SUS304



Contents (Width)	HD45	HD65	HD72	HD120
Dry / Cool	Standard	878	←	←
	Large	1,167	←	←
Ref. / Ins.	Standard	855	←	←
	Large	1,144	←	←

## Option 3

- Frame material of the triple rear door :  
Dry : steel, Ref./Ins./cool : inside(SUS430), outside(Steel)


## Option 4

- Material of roll up door : Aluminum Panel (insulation function included)  
Dry van : 40mm, Ref./Ins./cool : 50mm
- Frame material of rear roll up door: steel in all vehicle types
- Frame material of side roll up door - Dry : steel, Ref./Ins./cool : SUS430




Hyunda Special Vehicle\_13

### Features




**Refrigerator**  
Ref. / Cool  
HD45-HD320  
**Note:** Standard


\* Caution: Customers requiring a refrigerator upgrade should first check with special vehicle team for correct chassis amperage




**Water drain valve**  
Ref. / Ins. / Cool / Dry  
HD45-HD320  
\* Total 3 valves  
(2 at rear, 1 at front)  
**Note:** Standard




**Ventilator**  
Dry  
HD45-HD320  
**Note:** Standard




**Body endout marker lamp**  
Ref. / Ins. / Cool / Dry  
HD45-HD320  
\* 2 at rear, 2 at front  
**Note:** Standard



**Air rib**  
Ref. / Ins.  
HD45-HD320  
\* Mounted in height direction  
**Note:** Standard




**LED room lamp**  
Ref. / Ins. / Cool / Dry  
HD45-HD320  
\* HD45-78 : 6EA, HD120 : 8EA  
**Note:** Standard




**Inside emergency bell**  
Ref. / Ins. / Cool / Dry  
HD45-HD320  
**Note:** Standard


### Features




**Aluminum rear bumper step**  
Ref. / Ins. / Cool / Dry  
HD45-HD320  
\* Dimension : 100 x 100mm  
**Note:** Option 5




**Aluminum rear bumper step (wide-type)**  
Ref. / Ins. / Cool / Dry  
Above HD160  
\* Dimension : 550 x 50mm  
**Note:** Option 6




**Body endout marker lamp**  
Ref. / Ins. / Cool / Dry  
HD45-HD320  
\* Mounted in height direction  
**Note:** Option 7




**Side endout marker (reflector or LED)**  
Ref. / Ins. / Cool / Dry  
HD45-HD320  
\* Based on one row (either LH or RH)  
**Note:** Option 8



**Air spoiler**  
Ref. / Ins. / Cool / Dry  
HD45-HD320  
The shape may defer by van body builders  
\* Material: FRP  
**Note:** Option 9



**Rear rubber bumper**  
Ref. / Ins.  
HD45-HD320  
**Note:** Option 10



**Rear lamp cover**  
Ref. / Ins. / Cool / Dry  
HD45-HD320  
\* Material: Steel  
**Note:** Option 11

## Option 1

- Provides electrical power for refrigerator operation when engine is off and is mounted next to the refrigerator (refrigerator-integrated type),
- Standard Spec: 380V, 3-Phase, 50~60Hz, single phase not recommended for current stability reasons,
- Electricity specs of the corresponding country should be considered first when this option is selected.

## Option 2

- Temperature reaches -22°C in a vacant vehicle and under no-load conditions
- Single compressor system is mounted when this option is selected,

## Option 3

- Mounted to the position where the refrigerator is installed and temperature is controlled in 0.10°C increments (10°C ~ +15°C range).

## Option 4

- Mounted to the position where the refrigerator is installed and temperature is controlled in 0.10°C increments (within -15°C ~ +15°C range),

## Option 5

- AL checked plate is applied to the steel square step and projects about 60mm from the box end,
- Tubular-type rear step is mounted as standard equipment when this option is not selected,

14\_Hyundai Special Vehicle

Hyunda Special Vehicle\_15



## Van Truck

Dry Van / Refrigerated Van / Insulated Van / Cool Van

### Features



**Power gate (2 cylinder arm-type)**  
Ref. / Ins. / Cool / Dry  
HD45~HD320  
Material: Steel or Aluminum  
Loading Capacity: 600kg (average)  
**Note: Option 12**



**Power gate (vertical-type)**  
Cargo truck  
HD45~HD320  
**Note: Option 13**



**Plastic curtain (side/rear)**  
Ref. / Ins. / Cool  
HD72  
**Note: Option 14**



**E-track/belt**  
Ref. / Ins. / Cool / Dry  
HD45~HD320  
**Note: Option 15**



**Reinforcement**  
Ref. / Ins. / Cool / Dry  
HD45~HD320  
**Note: Option 16**

- Option 6**
- Wide-type AL rear bumper step is recommended for HD160 and above as the box-entering height is more than 1M.
  - The step projects about 70~100mm from the box end.

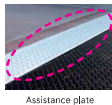
- Option 7**
- Front 2ea and rear 2ea are mounted in amber and red colors, respectively.

- Option 8**
- Reflector type: red/amber 1 set, HD45/65/72: 2 sets, HD120 or higher: 3 sets installed
  - LED type: basically red (color can reflect customer request) HD45/65/72: 2, HD120 or higher: 3 installed

- Option 9**
- For reducing the air resistance

- Option 10**
- Lower frame, slip-proof sub-frame is mounted as standard

- Option 12**
- It is a up-and-down motion & folding type, and only mounted to vans (1,400mm max vehicle width)
  - The horizontal space between the box and the gate when the gate is opened can be covered by additional steel plate (Dry: Steel, Refrig/Insul/Cool: SUS430)
  - Semi-automatic type (using remote controller) taking 10~15 seconds from closed to open position
  - It can be used instead of the rear door, and for this use, rain-proof auxiliary door is required to cover the space between the upper side of the box and the closed gate



Assistance plate Rain-proof auxiliary door Power Gate Controller

- Option 13**
- It is a up-and-down motion & folding type, and only mounted to cargo van only and not to any other van types
  - It is a semi-automatic type (using remote controller) taking 10~15 seconds from closed to open position
  - Lift capacity varies by model but is about 1T on average

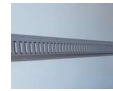


16 Hyundai Special Vehicle

### Features

- Option 14**
- Hook-type which are fully detachable
  - Plastic curtain prevents cold loss when loading/unloading frozen goods

- Option 15**
- One belt per E-track row (each row of LH/RH) is mounted as standard, and installed to LH and RH sides
  - The material is steel for dry vans, and SUS430 for Refrig/Insul vans
  - Can be added as a complete E-track & belt set; the belt alone cannot be added
  - When the E-track is mounted, additional plates can be installed inside the side panel, which reinforces the panel
  - The air rib is mounted transversely in Refrig/Insul vans (no impact on freezing performance)



For Dry Van

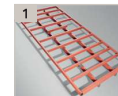


For Ref. Van

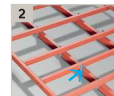


E-TRACK / BELT

- Option 16**
- Essential where road condition are not good or for travelling on rough roads
  - Standard: Dry van 8 points, Ref. van 7 points Hard: Dry van 17 points, Ref. van 16 points
  - Special: Hard reinforcement + E-track 2 rows



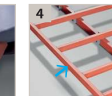
Number of the main frame members increased



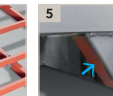
Front main frame reinforcement cross member added



Frame connections reinforcement member added



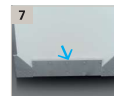
Front main frame fore reinforcement plate added



Main frame triangular reinforcement brace added



Cast rear corner brace



Box front anti-slip reinforcement plate



Box inside lower steel plate reinforced - only for dry vans



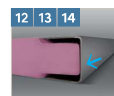
Rear door frame corner side reinforced



Rear door frame triangular reinforcement brace added



Rear door frame steel plate thickness changed



Inside side panel, steel plate added to riveting parts



Inside front panel, steel plate added to riveting parts



Inside column panel, steel plate added to riveting parts



Cast front corner brace

Cast inner corner brace

Cast inner corner brace

Rear door frame fastened with mono rivets

Rear door frame fastened with mono rivets

\* 10) From HD160, the size is increased and shape is changed compared with HD45~72

\* 11) The thickness is changed to 3.2mm and 4mm from the standard 2mm for HD45~120 and HD160 or higher, respectively

\* 12) The number of rivets is increased by 50% compared to standard riveting

Hyundai Special Vehicle\_17

## Van Truck

### Power Gate Reference Guide

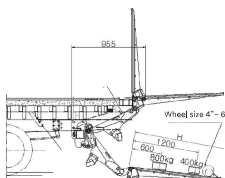
#### 2-Cylinder Arm-Type

	HD65	HD72	HD120	HD160	HD250	HD320
Platform size (mm)	1,400 x 2,000	1,400 x 2,010	1,400 x 2,180	1,400 x 2,420	1,400 x 2,480	1,400 x 2,495
Weight (kg)	220	220	240	250	260	265
Lift Capacity	800					
Lift Speed	10~20sec					
System	Hydraulic system remote control switch					
Battery	DC 24V					



#### Vertical-Type

	HD65	HD72	HD120	HD160	HD250	HD320
Platform size (mm)	800 x 2,000	800 x 2,010	800 x 2,180	800 x 2,420	800 x 2,480	800 x 2,495
Weight (kg)	200	200	210	210	230	235
Lift Capacity	800					
Lift Speed	10~20sec					
System	Hydraulic system remote control switch					
Battery	DC 24V					



\* Details about the installation position and operation can vary depending on manufacturer, truck body builder and customization requirements. Payload and loading positions also vary by truck platform.

18 Hyundai Special Vehicle

## Van Truck

### Eutectic Cold Van

Eutectic technology uses Phase Change Material (PCM) to deliver constant refrigeration regardless of whether the vehicle is in operation or not. 220-380VAC refrigerator cools down the PCM panels to -30°C and then while the vehicle is running, the stored chill is slowly emitted without requiring external power input.

#### Advantages

- Cost Saving** : Costs are reduced by 35% compared to sub-engine method.
- Temperature maintenance** : Keeps the latent temperature constant without any power source.
- Noiseless** : No noise while driving.
- Efficient** : Maintains an average of -25°C when the ambient temperature is +35°C during the daytime.
- Maintains low temperatures regardless of whether the engine is running or not because the independent refrigeration system.

#### Disadvantages

- Charging time** : Requires 8~10 hours to charge and cannot move while charging.
- Parking space** : Need enough space for charging.
- Internal space** : Eutectic storage plates decrease internal volume by about 5% compared to conventional freeze trucks.
- Temperature setting** : The set temperature cannot be changed.
- Weight** : Ceiling installation of PCM cold plate increases weight by 20% compared conventional top.



Inside

- It reduces temperature to -30°C by using the electrically charged eutectic plates, and lasts up to 12 hours.


- Basically 7 ~ 8 eutectic plates are mounted according to vehicle type.

- Skin FRP 2mm + FRP 2mm, 100mm panel are applied and require 220/380V - 3-phase - 50~60Hz.

- Standard specs are provided here, however, they are subject to change according to customer requirements (other customer-ordered options can be installed besides those indicated here).


Hyundai Special Vehicle\_19

### Body




**SUS430 floor**  
Eutectic cold van  
HD45 ~ HD170

Note: Standard




**Side door (1 each)**  
Eutectic cold van  
HD45 ~ HD170

Note: Standard



**Rear door (1 each)**  
Eutectic cold van  
HD45 ~ HD170

Note: Standard




**Eutectic plate**  
Eutectic cold van  
HD45 ~ HD170  
Material is STS 304 1.2L and PCM-33°C solution is charged

Note: Standard


What is eutectic plate?

A steel plate filled with the eutectic liquid.  
The plates starts to freeze at -33°C and accumulates latent heat as it freezes.




**Urethane panel**  
Eutectic cold van  
HD45 ~ HD170  
Excellent performance with poly-urethane panel to insulate the ambient with relatively strong solidity.

Note: Standard



**Condensing unit**  
Eutectic cold van  
HD45 ~ HD170  
Operated by 3 phase electric power 380V or 220V with 50Hz or 60Hz.  
\* The condenser Takes the high-temperature, high-pressure gas from the compressor and condenses it into liquid from by cooling it with external air.

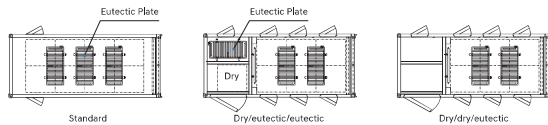
Note: Standard



**Layout change**  
Eutectic cold van  
HD45 ~ HD170

Note: Option 1

- Option 1**
- The box size and layout can be changed according to uses.
  - If the box is changed, options like side door change, inside partition, inner panel and trolley are selectively added
  - For HD45, the layout cannot be changed without modifying the box size



- Option 2**
- Standard type and the anti-freezing heat wire is included along the edges (630W x 1,050H & 600W x 1,200W Two types)
  - Door size cannot be changed

20 Hyundai Special Vehicle

### Body

**Option 6**

- Can be mounted to both rear and side doors, and for the side door, it consists of 12 ~ 15 rectangular plastic curtains of 200mm width per door

**Option 7**

- AL checked plate is applied to cover the steel square step
- Tubular-type rear step is standard when this option is not selected  
(The standard rear step is an option which can be selected at the first stage of building your C/Cab)

**Option 8**

- If damaged, the damaged part alone can be replaced as it is a removable/detachable floor (however, the trolley cannot be selected when selecting this option)

**Option 9**

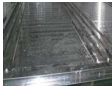
- Zinc plated square pipes are mounted horizontally/vertically and can be removed and reattached as necessary, in order to facilitate easier classification of cargo
- Partitions can be connected from the floor to the ceiling according to customer requests, and can be installed so that they are only separated near the door (size can be adjusted)
- If this option is selected, the additional side door must be selected (one side door is needed per partition)
- The trolley cannot be selected when this option is specified

**Option 10**

- It cannot be selected with the inner partition option
- Normally, this option is bundled with the trolley option

**Option 11**

- The trolley is a standardized product but dimensions can be changed to customer requirements
- The material is zinc plated bars and includes an anti-slip stopper on the wheels
- The stopper is installed at the body front once the trolley option has been selected
- It can be used with the FRP Checked / Inner Partition options
- The trolley rail is included as a standard when this option is selected
- The trolley can only pass through the rear door
- The side door must be changed to the big size to make entry and exit possible



Trolley Rail


**Option 12**

- It changes the floor plate to SUS checked type

**Option 13**

- Provides On/Off function
- It is an option which can be selected for Dry/Refrg./Refrg. or Refrg/Refrg/Refrg when the box layout is changed
- Used to set the temperature to the maximum low

### Installation of Electric Charging Cable




**Charging Time**  
Vehicle cannot be driven during charging time  
(8 ~ 10 hours)

1. Install the switchboard for electric charging cable as above.  
(Please keep in mind that the electric current must match the compressor current.)
2. Connect electric charging cable.
3. There are four electric lines in a charging cable: G (green color) is for earth line and the others are for electric power.
4. After connecting the charging cable from the switchboard, please connect the charging cable to the control box of eutectic cold top.
5. About 15 min later, the compressor will start running.
6. If the compressor does not start running, please reverse any two of the 3 electric power lines so that it can synchronize phases between the switchboard and the compressor.


22 Hyundai Special Vehicle

### Body




**Side door (standard)**  
Eutectic cold van  
HD45 ~ HD170

Note: Option 2




**Side door (big size)**  
Eutectic cold van  
HD45 ~ HD170

Note: Option 3




**Side door (recessed-type)**  
Eutectic cold van  
HD45 ~ HD170

Note: Option 4




**Central lock**  
Eutectic cold van  
HD45 ~ HD170

Note: Option 5




**Plastic curtain (Side/Rear)**  
Eutectic cold van  
HD45 ~ HD170  
Material : SUS430

Note: Option 6




**AL rear bumper step**  
Eutectic cold van  
HD45 ~ HD170

Note: Option 7




**FRP+ PE skid floor**  
Eutectic cold van  
HD45 ~ HD170

Note: Option 8




**Inner partition**  
Eutectic cold van  
HD45 ~ HD170  
Material : Zinc Plated

Note: Option 9



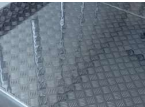
**E-track & clamp**  
Eutectic cold van  
HD45 ~ HD170  
Material : SUS430

Note: Option 10




**Trolley**  
Eutectic cold van  
HD45 ~ HD170

Note: Option 11



**SUS430/304 checked floor**  
Eutectic cold van  
HD45 ~ HD170

Note: Option 12



**Solenoid valve**  
Eutectic cold van  
HD45 ~ HD170


Note: Option 13

- Option 3**
- Locking type and the size can be changed according to customer requirements (standard 800W x 1200H)
  - The locking bar material is SUS304 (lockable key box is included)
- Option 4**
- Recessed-type door includes anti-freezing heated wire; dimensions can be changed according to customer requirements
- Option 5**
- Customers can lock and unlock every box door with central lock switch

Hyundai Special Vehicle\_21

## Van Truck


# Bottle Carrier



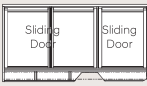
HD72 Bottle Carrier

Inward slope prevents cargo from shifting  
Inside floor Inclination: 4~6°


- The standard vehicle types are HD65 / 72 / 78 / 120, and they have 8 bays (LH/RH, 4 bays per side).
- HD170 or higher models are not recommended as the height from the ground to the van makes bottle loading difficult (subject to confirmation of forklift loading capability).
- HD170 or higher models can also be manufactured (if forklift loading capability is confirmed) by reducing the number of bays (2~3 bays for LH side).
- The frame (R.O.H) length varies -300mm ~ +300mm according to the bottle carrier body size.
- The size and number of bays can be changed, but the body size and loaded pallet size must be first considered.
- 8-bay / 12-bay / 16-bay are standard configurations but 6-bay / 10-bay are also possible on special request.
- The recommended spec is a v-shaped type, and the flat floor is also possible on customer request, but it is not recommended due to the possibility of roll-over during turns.
- A pair of zinc-plated pipes are provided for each bay as bottle guards.



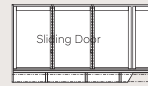
Aluminum pipe



**6-Bay**  
LH/RH, 3 Bays for each  
Sliding Door



**8-Bay**  
LH/RH, 4 Bays for each  
Sliding Door



**10-Bay**  
LH/RH, 5 Bays for each  
Sliding Door

Hyundai Special Vehicle\_23

## Van Truck

Bottle Carrier

### Body



**Inner partition**  
Bottle Carrier  
HD65 / 72 / 120

Note: Standard



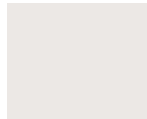
**SUS430 flat floor (V-shpaed)**  
Bottle Carrier  
HD65 / 72 / 120

Note: Standard



**Side folding step**  
Bottle Carrier  
HD65 / 72 / 120

Note: Standard



**Reinforcement**  
Bottle Carrier  
HD65 / 72 / 120

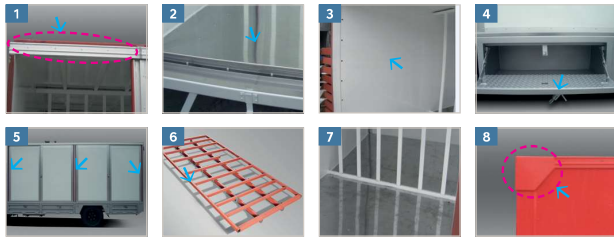
Note: Option 1

### Option 1

- If reinforced, 0.3 ton of G.V.W is increased (axle-weight regulations of the corresponding country must be checked)

	Contents	STANDARD	REINFORCEMENT	REMARKS
1	Roof Rail	3.2t	4t	Steel
2	Floor Rivet (KVE4.8)	AL Rivet (Side is Steel)	SUS Rivet	Rivet number unchanged
	Floor	SUS430 1.2t	SUS430 1.5t	
3	Box Panel	GI Steel Plate 0.7t	GI Steel Plate 0.8t	Front/Middle/Rear
4	Folding Step Pipe	2.3t x 40mm x 40mm	3.2t x 50mm x 50mm	Steel
5	Frame Pipe	2.3t x 75mm x 45mm	3.2t x 100mm x 50mm	Front/Middle/Rear
		3.2t x 50mm x 50mm	3.2t x 45mm x 75mm	Cross Member
		2.3t	3.2t	Center
		2.3t x 40mm x 20mm	2.3t x 50mm x 30mm	Door Frame
6	Corner Reinforcement	-	Add Reinforcement	Conner

### Bottle Carrier Reinforcement Reference Information



24\_Hyundai Special Vehicle

Van Truck

## Wingbody

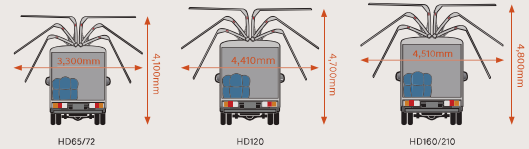


- HD65 ~ 320 long wheelbase are standard however all vehicle types can be manufactured as Wingbody

- Both sides are raised using an electro-hydraulic control system making the Wingbody especially suited for quick forklift loading/unloading



\* Pallet units are standardized for easy handling



\* Dimensions can be changed according to the box manufacturing size

Hyundai Special Vehicle\_25

## Van Truck

Wingbody

### Body



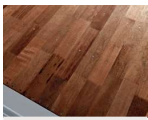
**Air spoiler**  
Wingbody  
HD65 ~ HD320

Note: Standard



**Rear door**  
Wingbody  
HD65 ~ HD320

Note: Standard



**Apitong wood floor**  
Wingbody  
HD65 ~ HD170  
Above HD250, steel checked floor is applied

Note: Standard



**Protective cover (fabric)**  
Wingbody  
HD65 ~ HD320  
Elastic band applied

Note: Standard



**Wing controller**  
Wingbody  
HD65 ~ HD320  
Hydraulic Power Pack  
RH/LH each side

Note: Standard



**Inside work lamp (LED)**  
Wingbody  
HD65 ~ HD320

Note: Standard



**Work lamp switch (C/Cab)**  
Wingbody  
HD65 ~ HD320

Note: Standard



**Body endout marker lamp (LED)**  
Wingbody  
HD65 ~ HD320

Note: Standard



**Aluminum side gate**  
Wingbody  
HD65 ~ HD320  
Light Weight / Anti-corrosive  
Thickness: 40mm  
height: 600mm (~HD170)  
800mm (HD250~)

Note: Standard



**Side gate assistance device**  
Wingbody  
HD65 ~ HD320

Note: Standard



**Aluminum panel (0.8mm)**  
Wingbody  
HD65 ~ HD320

Note: Standard



**Hydraulic cylinder**  
Wingbody  
HD65 ~ HD320

Note: Standard

Van Truck

## Two-way Refrig / Cool Van



- Can be used as refrigerator van and cool van (maintain -18°C ~ 0°C).

- Additional refrigerator / movable partitions are mounted and dedicated panels are applied to the standard refrigerator van.

- The panel/frame reinforcement is applied as a standard but the electric fan is not included and the side door is optional.

- As there are two refrigeration units, sub-engine level freezing is possible when the movable partitions are removed.

- Alternators with a minimum 70A rating are highly recommended. Kindly discuss your requirements with the Special Vehicle Team.



**Bulk condenser**  
Two-way of Ref. / Cool van  
HD65 / 120

Note: Standard



**SUS304 flat floor**  
Two-way of Ref. / Cool van  
HD65 / 120  
\* HD65 : 750mm,  
HD120 : 1,000mm

Note: Standard



**E-track/belt (2-row)**  
Two-way of Ref. / Cool van  
HD65 / 120  
Equipped with Air Rib  
Horizontal

Note: Standard



**Additional evaporator**  
Two-way of Ref. / Cool van  
HD65 / 120

Note: Standard



**Movable partition**  
Two-way of Ref. / Cool van  
HD65 / 120  
Purpose: Partition partition Ref./Cool  
Material: ABS panel + Sponge  
Thickness: 75 mm

Note: Standard



26\_Hyundai Special Vehicle

Hyundai Special Vehicle\_27



# WASTE COLLECTOR TRUCK Specifications

## Press Pack

Model		HD65	HD72	HD120		HD160	HD260
Wheelbase		Long	Long	Short			
Cab type (Width/Length)		Narr/Wide STD	STD	Sleeper			
Drive system		4 X 2			6 x 4		
'Overall (mm)'	Length	6,360	6,720	7,300	7,150	8,710	9,870
	Width	2,060	2,060	2,290	2,290	2,495	2,495
	Height	2,550	2,550	2,730	2,900	3,600	3,600
Body (mm)	Length	2,500	3,300	3,485	3,485	4,145	5,345
	Width	1,710	1,720	2,100	2,100	2,265	2,265
	Height	1,420	1,420	1,470	1,580	2,120	2,120
Volume (m³)	Container	4.3	6.0	8.5	9.5	16	21
	Hopper	0.5	0.5	0.7	0.7	1.2	1.2
Discharge type		Ejector	<-	<-	Dumping	Ejector	+
Plate material		High Tension Steel (AT0560)					
Thickness (mm)	Floor/Side/Roof	3.2	3.2	4.5	4.5	4.5	4.5
	Side	3.2	3.2	4.5	4.5	3.2/4.5	3.2/4.5
	Roof	3.2	3.2	3.2	3.2	3.2	3.2
	Hopper (Side/Floor)	3.2/4.5	3.2/4.5	4.5/6	4.5/6	4.5/6	4.5/6
	Ejector	3.2	3.2	3.2	3.2	4.5	4.5
Dumping Angle		-	-	-	46°	-	-
Working time (Sec)	Loading	12 ~ 15	12 ~ 15	12 ~ 16	12 ~ 16	19 ~ 21	19 ~ 21
	Discharge	10 ~ 13	10 ~ 13	12 ~ 16	12 ~ 16	15 ~ 18	15 ~ 18
	Hopper	4 ~ 5	4 ~ 5	8 ~ 12	8 ~ 12	8 ~ 12	8 ~ 12
Packer type		1-Pillar		2-Pillar, Over Turning type			
Pump Type		Gear 40cc	Gear 40cc	Gear 60cc	Gear 60cc	Gear 80cc	Gear 80cc
Curb Weight (kg)		4,800	5,120	7,500	7,070	12,500	15,200

## Roll Pack

Model		HD65	HD72	HD120	
Wheelbase		Short		Short	
Cab type (Width/Length)		Narr/Wide, STD	Wide STD	Sleeper	
Drive system		4 x 2			
Discharge type		Dumping	Dumping	Dumping	Ejector
Overall (mm)	Length	5,450/5,650	5,700	7,150	7,150
	Width	1,900	2,030	2,290	2,290
	Height	2,320	2,400	2,840	2,730
Body (mm)	Length	2,555	2,800	3,425	3,425
	Width	1,720	1,730	2,100	2,100
	Height	1,170	1,270	1,580	1,615
Volume (m³)	Container	4.2	5.7	10	9.5
	Hopper	0.4	0.4	0.6	0.6
Plate material		High Tension Steel (AT0560)			
Thickness (mm)	Floor/Side/Roof	3.2	3.2	4.5 / 4.5 / 3.2	4.5 / 4.5 / 3.2
	Hopper/Ejector	3.2/6	3.2/6	3.2/6	3.2/6
Dumping Angle		46°	46°	46°	-
Working time (Sec)	Loading	10-14	10-14	10-15	10-15
	Discharge	9-11	9-11	10-12	10-12
	Hopper	6-8	6-8	8-12	8-12
Pump Type		Gear 40cc	Gear 40cc	Gear 60cc	Gear 60cc
Curb Weight (kg)		4,000/4,500	4,550	7,500	7,500

\*The specifications may differ depend on the engine and the options chosen.

Specifications are subject to change without prior notice.

## Arm Roll

Model	HD65	HD72	HD120	HD170	HD260	HD310
Wheel Base	Short			Short/Middle		Short
Cab type (Width/Length)	Narr/Wide, STD	Wide STD	Sleeper			
Drive system	4 X 2			6 X 4		
Overall (mm)	Length	5,110	5,300	6,500/6,700	7,200/7,500	9,000
	Width	1,900	2,000	2,250/2,300	2,495	2,495
	Height	2,365	2,535	2,850	3,250	3,650
Body (mm)	Length	2,800	2,900	3,600/3,800	4,800	5,800
	Width	1,650	1,700	1,900/2,100	2,200	2,300
	Height	1,270	1,420	1,550	1,520	2,000
Volume (m³)	5.6	6.9	10/12	16	25.6	35
Loading/Discharge Time (Sec.)	35	35	45	50	50	55
Tipping Angle	46°					
Pump Type	Gear 40cc	Gear 40cc	Gear 60cc	Piston 60cc	Piston 80cc	Piston 80cc
Curb Weight(kg)	3,900	4,300	6,800/6,900	11,300	14,100	17,100

## Waste Collection Tipper Truck

Model	HD65	HD120
Wheelbase	Short	
Cab type	Narr/Wide STD	Sleeper
Drive system	4 X 2	
Overall (mm)	Length	5,080 / 5,175
	Width	1,885 / 2,000
	Height	2,295
Body (mm)	Length	3,000 / 3,100
	Width	1,710
	Height	1,140 / 1,105
Box Volume ( m³ )	5.6	11.1
Pump type	34.7cc	65cc
Dumping Angle	52°	51°
Thickness (mm)	Front	2.3
	Side	2.3
	Rear	2.3
	Floor	3.2
Curb Weight(kg)	3,565	5,750

## Road Sweeper

Model	HD78	HD120	HD170	HD260
Wheelbase	Long	Long	Short	Medium
Cab type	STD	Sleeper	Sleeper	
Drive system	4 X 2			6 X 4
Overall (mm)	Length	6,715	7,605	7,525
	Width	2,170	2,420	2,490
	Height	2,355	3,285	3,240
Container Capacity (m³)	3	4	6.5	10
Container Dumping Angle	50°			
Aux. Engine	50ps	75ps	100ps	100ps
Blower	160m³/min	250m³/min	200m³/min	300m³/min
Suction System	Suction nozzle (ø200mm) 550mm x 160mm	Suction nozzle (ø250mm) 550mm x 160mm	Suction nozzle (ø250mm) 640mm x 250mm	Suction nozzle (ø280mm) 600mm x 160mm
Sweeping System	Side	2EA (LH / RH each) Size : ø 700mm		
	Roller	1ea. Size : 1,400mm x ø 350mm		
Water Tank (L)	700	1300	2,000	4,000

\*The specifications may differ depend on the engine and the options chosen.

Specifications are subject to change without prior notice.

## Waste Collector

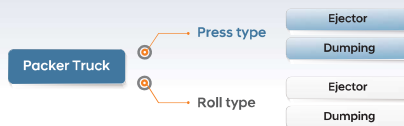
### Packer Truck

The Packer reduces the volume of residential or industrial waste loaded into the container using compression and a rotating plate to push waste from the hopper into the container. It then employs an ejector or dumping system to discharge the load.

Packer trucks are capable of handling oversized and small-volume waste with equal ease making them suitable for both household as well as industrial waste disposal.

\* The equipment which attaches to the rear part of waste collector truck makes it possible to compress garbage and pick up garbage bags.

\* Packer trucks are classified as press- or roll- type.



### Non-Packer Truck

Non-packer trucks hook and lift roll-off garbage containers placed at designated spots and transport them to landfills where the waste is dumped.

The automated pick up and dumping mechanism offers great savings in time, cost and efficiency in transportation.

\* Depending on the type of attached method, non-packer trucks are classified as either Arm Roll (hook arm-type) or waste dump (tipper).



## Waste Collector

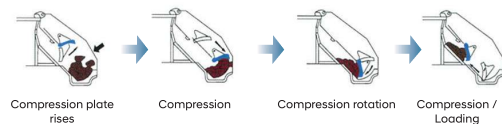
### Press Pack



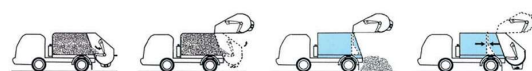
with Dumping

- Press pack is suitable for large scale waste collection
- Enhanced convenience with installation of a packer operating switch (Auto) and discharging switch inside the cab
- Possible to use emergency button under dangerous situation
- PTO must be specified when ordering press pack vehicles

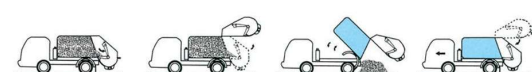
### Operation Sequence



### with Ejector



### with Dumping





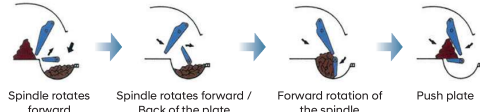
## Roll Pack



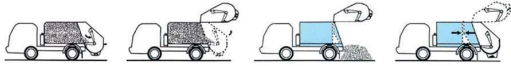
with Dumping

- Roll pack is perfectly suited for daily collection of standard plastic garbage bags
- Enhanced convenience with the installation of a packer operating switch (Auto) inside the cab
- Equipped with an emergency off button for added safety
- PTO must be specified when ordering the above vehicle

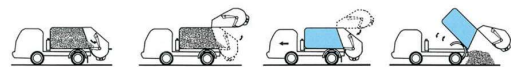
## Operation Sequence



## with Ejector



## with Dumping



## Body



**Garbage container**  
Press / Roll  
HD65 ~ HD260  
\* Round Type  
High Tension Steel (ATOS60)  
**Note:**  
Packer truck Standard



**Packer (press-type)**  
Press  
HD65 ~ HD260  
Loading speed : 12~16 sec  
High Tension Steel (ATOS60)  
**Note:**  
Packer truck Standard



**Packer (roll-type)**  
Roll  
HD65 ~ HD260  
Loading Speed : 10~15 seconds  
High Tension Steel (ATOS60)  
**Note:**  
Packer truck Standard



**Press pack internal controller**  
Press  
HD120 ~ HD260  
**Note:**  
Manual Type Standard



**Operation switch (Auto control type only)**  
Press / Roll  
HD65 ~ HD260  
Uses: Switches to pick up the remaining load when the packer is raised  
**Note:**  
Packer truck Standard



**Front control lever (manual)**  
Press / Roll  
HD65 ~ HD260  
\* Ejector and Hopper  
**Note:**  
Press Packer Truck Standard



**Hydraulic reservoir**  
Press / Roll  
HD65 ~ HD260  
Recommended Oil : ISO VG hydraulic oil ISO VG 56 - the tropics  
**Note:**  
Packer truck Standard



**Manual control system**  
Press / Roll  
HD65 ~ HD260  
**Note:**  
Packer truck Standard



**Packer locking device (manual)**  
Press / Roll  
HD65 ~ HD260  
The packer must be locked all time when driving on the road.  
**Note:**  
Packer truck Standard



**Sewage drain lever**  
Press / Roll  
HD65 ~ HD260  
LH/RH bottom of the hopper  
**Note:**  
Packer truck Standard



**Cabin-mounted controller**  
Press / Roll  
HD65 ~ HD260  
**Note:**  
Standard when auto control system is selected



**Auto control system (button-type)**  
Press / Roll  
HD65 ~ HD260  
\* Manual lever also included  
**Note:**  
Packer truck Option 1

## Waste Collector

## Press Pack / Roll Pack

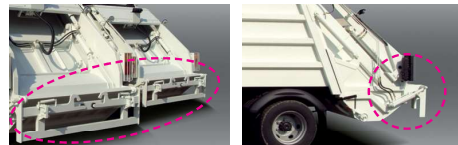
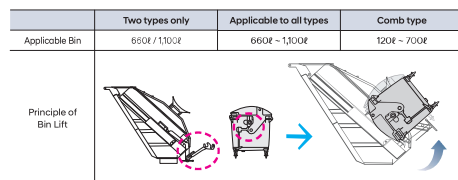
## Body



**Bin Lift**  
Press / Roll  
HD65 ~ HD320  
**Note:** Option2

## Option 2

- Hook automatically picks up the waste bin
- Basic dimensions of waste bins are universal
- Standardized bin lifts are 600R and 1,100R, but 1,100R bin lift is commonly used
- Common bin lift is classified with 600R to 1,100R. Possible to attach to middle- and large-size vehicles
- Difference between 600R and 1,100R is the control valve size (600R: 1/2", 1,100R: 3/4")
- For more information about your individual requirements, contact the Special Vehicle Team or your local distributor.



Application of Bin Lift

## Line-up

Model		Size (M³)		Charging	Discharging
		Container	Hopper		
PRESS PACK	HD65 Narrow/Wide	4.3	0.5	Press	Ejector
	HD72	6	0.5	Press	Ejector
	HD120	8.5	0.7	Press	Ejector
	HD120	9.5	0.7	Press	Dumping
	HD120	11	1	Press	Ejector
	HD160/170	16	1.2	Press	Ejector
	HD260	21	1.2	Press	Ejector
ROLL PACK	HD65 Wide	4.2	0.5	Roll	Dumping
	HD120	9.5	0.6	Roll	Dumping
	HD120	9.5	0.6	Roll	Ejector

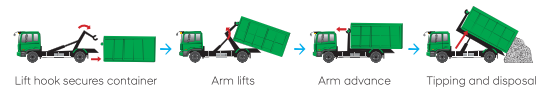
## Waste Collector

## Arm Roll



- Arm roll container box is optional (all C/Cab)
- HD120 and above features 2-cylinder type arm roll
- PTO must be specified when ordering the Arm Roll vehicle

## Operation Sequence



**Hook arm**  
Arm Roll  
HD65 / 120 / 260  
Material : ATOS  
**Note:** Arm Roll Standard



**Dumping system**  
Arm Roll  
HD65 / 120 / 260  
**Note:** Arm Roll Standard



**Rear roller (2 each)**  
Arm Roll  
HD65 / 120 / 260  
**Note:** Arm Roll Standard



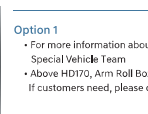
**Box locking device**  
Arm Roll  
HD65 / 120 / 260  
**Note:** Arm Roll Standard



**Control lever**  
Arm Roll  
HD65 / 120 / 260  
**Note:** Arm Roll Standard



**Arm roll box**  
Arm Roll  
HD65 / 120 / 260  
\* Include top cover (HD65 ~ HD120)  
**Note:** Option 1



**Option 1**  
• For more information about Arm roll box contact the Special Vehicle Team  
• Above HD170, Arm Roll Box top cover is not included. If customers need, please contact special vehicle team

## Arm roll box specifications

	HD65	HD72	HD120	HD170	HD260
Box capacity	5.5m <sup>3</sup>	6.5m <sup>3</sup>	10m <sup>3</sup>	15.4m <sup>3</sup>	25.6m <sup>3</sup>
Material	SS400 + SM490				
Thickness	3.2mm				4.5mm

## Waste Collection Tipper Truck



HD65

HD120



- Loading volume: HD65 (5.6m<sup>3</sup>), HD120 (11m<sup>3</sup>)
- Box material: SS400 (Floor / Front / Side)
- For more information about HD160, contact the Special Vehicle Team or your local dealer/distributor

## Road Sweeper



HD170

HD260

- Road sweepers are available on the HD120, HD170, HD260 platforms.
- For more information, contact the Special Vehicle Team

## Body



**Upper cover lever (manual)**  
Waste Collection Tipper  
HD65 / 120

Note: Standard



**Rear view**  
Waste Collection Tipper  
HD65 / 120

Note: Standard



**Cylinder + safety stopper**  
Waste Collection Tipper  
HD65 / 120

Note: Standard



**Inside load tray**  
Waste Collection Tipper  
HD65 / 120

Note: Standard

36\_Hyundai Special Vehicle

## Road Sweeper Models



HD78



HD170



HD260



Hyundai Special Vehicle\_37

## Waste Collector

## Body



**Debris container**  
Road sweeper  
HD 78 / 120 / 170 / 260

Note: Standard



**Roller brush**  
Road sweeper  
HD 78 / 120 / 170 / 260  
\*1EA

Note: Standard



**Side brush (2 each)**  
Road sweeper  
HD 78 / 120 / 170 / 260  
Material : Durable steel bar lifting, lowering and swiveling left and right is possible

Note: Standard



**Blower**  
Road sweeper  
HD 78 / 120 / 170 / 260  
Material of fan : Stainless Steel

Note: Standard



**Suction system (2 each)**  
Road sweeper  
HD120 / 170 / 260  
Material : Flexible rubber hose reinforced steel wire

Note: Standard



**Auxiliary engine**  
Road sweeper  
HD120 / 170 / 260  
Purpose : for driving of a turbo blower, a hydraulic pump and a water pump  
Engine Type : 4 cylinder diesel engine, water cooled

Note: Standard



**Water tank**  
Road sweeper  
HD120 / 170 / 260  
Material : Stainless Steel

Note: Standard



**Controller**  
Road sweeper  
HD120 / 170 / 260  
\* Attached inside of C/Cab

Note: Standard



**Dust filter box**  
Press / Roll  
HD65 ~ HD320  
\* Check the national regulation

Note: Option 1



**Rear suction hose**  
Road sweeper  
HD120 / 170 / 260  
Material : Polyurethane  
Length : 6m (max. 10m)

Note: Option 2



**High pressure wash system**  
Road sweeper  
HD120 / 170 / 260  
\* Include Hose reel

Note: Option 3



**Auto grease injector**  
Road sweeper  
HD120 / 170 / 260

Note: Option 4

- Option 1
- Indispensable option for sandy, dusty environments

38\_Hyundai Special Vehicle

## Road Sweeper

## Body



**Rear sign board**  
Road sweeper  
HD120 / 170 / 260  
Note: Option 5



**Warning lamp**  
Road sweeper  
HD120 / 170 / 260  
Note: Option 6

- Option 2
- Possible to detach and keep it in storage

- Option 3
- High pressure system makes it possible to get equivalent effect of water sprinkler tank

- Option 4
- Facilitates proper maintenance

- Option 5
- Enhances safety during night shifts

- Option 6
- Large flashing warning lamps

## Option 7\_Road Sweeper (HD120 / 170 / 260)

- Some consumable parts must be replaced to maintain top operational performance
- Refer to the attached list

## Recommended Spare Parts List

No.	Item	PART NUMBER	Remarks
1	Roller brush	0400 × 1400	
2	Side brush	0700 × 250	
3	Suction hose	0245 × 1650	
4	Rear door packing	35×21 × 1M	
5	Suction nozzle wheel	13621-SIOND	
6	Suction filter(Hydraulic Tank)	DOF-06 (PT3/4")	
7	Aux.	Fuel filter	13,020,488
	Filter	Oil filter	12,272,453
	DEUTZ 4D	Air cleaner	66,08300-7056
8	Belt DEUTZ 4D	Water pump belt	REC A-58
		Hydraulic pump belt	REC B-43
9	Roller brush rubber plate	210 × 1440 × 6	
10	Suction nozzle plate	6 m <sup>2</sup>	
11	Spray nozzle	1/4 × Ø1.5	
12	In line filter element	DLF-06 (PT3/4") SUS Element	
		DLF-06 (PT3/4")	

## Road Sweeper Operation Principle



Dust Filter

Non-dust filter-type	Dust Filter-type
1) Brush rollers (with water jets)	1) Brush rollers (with water jets)
2) Forming and collecting dust sludge	2) Forming and collecting dust sludge
3) Suction (using auxiliary engine)	3) Suction (using auxiliary engine)
4) Air discharge	4) Filtering dust-laden air
	5) Air discharge

Hyundai Special Vehicle\_39

# CONSTRUCTION TRUCK Standard Specifications

## Mixer Truck

Model		HD270	HD370S
Wheelbase (mm)		Short (4,590)	Short (5,650)
Drive system		6 X 4	
Agitating Capacity		7m³	9m³
Geometric Drum Capacity		11m³	15.9m³
Overall (mm)	Length	8,325	9,915
	Width	2,495	2,495
	Height	3,660	3,810
	Drum	5mm (SM490A)	5mm (SM490A)
Thickness (Material)	Hopper	2.3mm (SS400) + Reinforcement Plate 4mm (SM490A)	2.3mm (SS400) + Reinforcement Plate 4mm (SM490A)
	Scoop	2.3mm (SS400)	2.3mm (SS400)
	Chute	2.3mm (SS400) + Reinforcement Plate 4mm (SM490A)	2.3mm (SS400) + Reinforcement Plate 4mm (SM490A)
	Pump	Discharge rate : 75cc/rev	Discharge rate : 100cc/rev
Hydraulic		Motor	Discharge rate : 75cc/rev
Reduction gear		Max. rpm : 17.7	Max. rpm : 16
Drum	Dia.	2,100ø	2,300ø
	Slope Angle	16°	10.5°
	Concrete Type	Wet	Wet or Dry
Water		Pump	Flow rate : 30ℓ/min, Press : 3bar
Washing		Tank	Plastic 350ℓ
Control Panel		4EA (Main, Hopper, Scoop, Drum)	Steel 450ℓ
Fender		PVC, 8m	
Side Protect Device		SUS304 Touch panel	
PTO		Plastic	Steel
Flywheel PTO			

## Dump Truck

Model		HD65	HD72	HD270	HD370
Wheelbase		Short			
Cab type (Width/Length)		Wide/STD			
Drive system		4 X 2			
Overall (mm)	Length	5,235	5,235	5,345	7,635
	Width	2,000	2,000	2,060	2,495
	Height	2,315	2,315	2,290	3,100
	Height	3,100	3,100	3,200	4,820
Body inside (mm)	Length	1,860	1,860	1,900	2,300
	Width	290	400	385	915
	Height	167	2.3	2.34	10
	Height	2.3	2.3	2.34	12
Volume (m³)		1.67	2.3	2.34	10
Deck Type		1-Piece	Extended	1-Piece	1-Piece
Thickness (mm)	Front	2.3	2.3	2.3	4.5
	Side	2.3	2.3	3.2	4.5
	Rear	2.3	2.3	3.2	4.5
	Floor	3.2	3.2	4.5	4.5
Material		SS400			
Dumping Type		Garwood	Marrel	Marrel	Telescopic
Cylinder(mm) (Bore x Stroke)		130 x 362	140 x 482	190 x 962	163(1" step) x 4,756
Cylinder Thickness, Rod diameter		7mm, Ø50	7mm, Ø50	6.5mm, Ø50	8.5mm, Ø50
Dumping Angle		52°	52°	53°	53°
Max. Height		3.9m	3.9m	4.2m	5.6m
PTO		Transmission PTO			

\*The specifications may differ depend on the engine and the options chosen. Specifications are subject to change without prior notice

## Construction Truck

## Mixer Truck



## Construction Truck

### Body (7m³/9m³)

**Sub-frame**  
7m³ / 9m³ Mixer  
HD 270 / 370S  
Include rear fixed steps (both side)  
**Note: 7m³/9m³ Standard**

**Hopper**  
7m³ / 9m³ Mixer  
HD 270 / 370S  
Hopper Thickness : 2.3mm  
Reinforcement plate 4mm  
**Note: 7m³/9m³ Standard**

**Scoop**  
7m³ / 9m³ Mixer  
HD 270 / 370S  
Scoop Thickness : 2.3mm  
\*Two washing nozzles at each side  
**Note: 7m³/9m³ Standard**

**Chute**  
7m³ / 9m³ Mixer  
HD 270 / 370S  
Chute Thickness : 2.3mm  
Reinforcement plate 4mm  
\*The chute has an extension chute  
**Note: 7m³/9m³ Standard**

**Water pump**  
7m³ / 9m³ Mixer  
HD 270 / 370S  
\*The water pump has a heating system for winter season  
**Note: 7m³/9m³ Standard**

**Control panel (LH)**  
7m³ / 9m³ Mixer  
HD 270 / 370S  
Water Proof Button Type 3 buttons (RPM control, Water pump, Buzzer) + 2 Water Valves  
**Note: 7m³/9m³ Standard**

**Working lamp (rear)**  
7m³ / 9m³ Mixer  
HD 270 / 370S  
Switch in the cabin  
**Note: 7m³/9m³ Standard**

**Control lever (LH, RH, Upper LH)**  
7m³ / 9m³ Mixer  
HD 270 / 370S  
**Note: 7m³/9m³ Standard**

**Ladder**  
7m³ / 9m³ Mixer  
HD 270 / 370S  
**Note: 7m³/9m³ Standard**

**Washing hose**  
7m³ / 9m³ Mixer  
HD 270 / 370S  
\*Washing Hose (2ea) : Rear + Beside the hopper  
**Note: 7m³/9m³ Standard**

**Water tank**  
7m³ Mixer  
HD 270  
Plastic tank (350ℓ) with a strainer  
**Note: 7m³ Standard**

**Reduction gear**  
7m³ Mixer  
HD 270  
2F  
Model : P-3301  
**Note: 7m³ Standard**

### Body (7m³/9m³)

**Hydraulic pump**  
7m³ Mixer  
HD 270  
Bosch Rexroth  
Model : A4V7GO7(71cc)  
**Note: 7m³ Standard**

**Hydraulic motor**  
7m³ Mixer  
HD 270  
Bosch Rexroth  
Model : A2FM63(63cc)  
**Note: 7m³ Standard**

**Rear fender (2 types)**  
7m³ Mixer  
HD 270  
**Note: 7m³ : Plastic  
9m³ : Steel**

**Oil tank**  
7m³ Mixer  
HD 270  
80ℓ  
**Note: 7m³ Standard**

**Water tank**  
9m³ Mixer  
HD370S  
\*Steel (450ℓ)  
**Note: 9m³ Standard**

**Hydraulic pump**  
9m³ Mixer  
HD370S  
Danfoss (100cc)  
**Note: 9m³ Standard**

**Reduction gear**  
9m³ Mixer  
HD370S  
2F reduction gear (model : CML10) (integrated with hydraulic motor)  
**Note: 9m³ Standard**

**Oil cooler**  
9m³ Mixer  
HD370S  
It consists of oil tank, oil filter, and cooling fan  
**Note: 9m³ Standard**

## HARDOX drum & blade 7m³ Mixer Truck

(2~3 times improved in drum & blade durability)

For more detailed information please contact special vehicle team









## Construction Truck

Mixer Truck

### Dry- and Wet-type 9m³ Mixer Trucks

	DRY-TYPE	WET-TYPE
Type	Loads and transports cement/sand/gravel, which are mixed with water and discharged for use in the field	Transports ready-mixed concrete
	-	7 cubic meters
	9 cubic meters (specific order is required in regions and countries where the wet type operation is used)	
	Sand / Coarse / Water / Cement	Ready Mixed Concrete
	 < Dry-type 9m³ >	 < Wet-type 7m³ / 9m³ >
Charging Cylinder		
Drum	Charging Cylinder (X)	Charging Cylinder (O)
Hopper	Long Slide guide (500mm)	Short Slide guide (120mm)
Connect	Open-type	Close-type
Config.	Standard	Option
Pros / Cons	Suitable for dry-type use	Suitable for wet-type use
	Interference is minimized when loading concrete materials	The overflow of ready-mixed concrete is minimized when travelling on the ramp
	Ready-mixed concrete could overflow when wet-type is used	Dry-type use could cause interference

\* Customers requiring wet-type must place a special order otherwise, mixers are generally manufactured as dry-type

44\_Hyundai Special Vehicle

## Construction Truck Dump Truck



- Dump trucks manufactured at Hyundai Motor's Jeonju Plant in Korea
- HD170 (5.34m³) / HD270 (10m³) / HD370 (15.67m³) / Xcient 6x4 (10m³)
- PTO is a mandatory option when ordering dump trucks















### Line-up



Hyundai Special Vehicle\_45

## Construction Truck




Dump Truck

Body			
 <b>Dumping system</b> Dump * It differs according to vehicle types. Please check the reference <b>Note: Standard</b>	 <b>Deck</b> Dump HD65/72/78, EX6/7/8 Material : SS400 + SM50A <b>Note: Standard</b>	 <b>Deck side gate</b> Dump HD65/72/78, EX6/7/8 <b>Note: Standard</b>	 <b>Spare tire</b> Dump HD65/72/78, EX6/7/8 HD72 and above include tire unloading winch system <b>Note: Standard</b>
 <b>Crossmember frame</b> Dump Above HD260 <b>Note: Standard</b>	 <b>Safety stopper</b> Dump <b>Note: Standard</b>	 <b>Cylinder</b> Dump <b>Note: Standard</b>	 <b>Dump lever (pull turn type)</b> Dump HD65 - HD72 <b>Note: Standard</b>
 <b>Dump lever (lever type)</b> Dump EX6/7/8, HD270-HD370 <b>Note: Standard</b>	 <b>Tailgate hinge</b> Dump HD260-HD370 <b>Note: Standard</b>	 <b>Deck extension</b> Dump HD65 / HD370 <b>Note: Option 1</b>	 <b>GCC side guard rail</b> Dump HD65 / 72 GCC countries only <b>Note: Option 2</b>

46\_Hyundai Special Vehicle

Body

Hydraulic Cylinder Reference Guide

GARWOOD TYPE	ORIGINAL MARREL TYPE	TELESCOPIC TYPE
		
HD65/EX6	HD72/78, EX7/8	HD270
		HD370

Line-up

	HD65/EX6	HD72/78, EX7/8	HD270			
Deck	Height (mm)	3,100 x 1,860 x 290	3,200 x 1,900 x 385	4,820 x 2,300 x 915	4,820 x 2,300 x 1,100	4,820 x 2,300 x 1,370
	Volume	1.67m³	2.34m³	10m³	12m³	15m³
	Dumping system	Garwood	Marrel	Marrel		
	Dumping angle	52°	53°	53°		
	Material	SS400		SS400		
	Thickness (mm)	Front/Rear/Side : 2.3 Floor : 3.2	Front: 2.3 Rear/Side : 3.2 Floor: 4.5	4.5		
	ATOS 590 (mm)_Opt.	Front: 2.3 Rear/Side : 4.5 Floor : 6.0	-			

Option 1

- Contact Special Vehicle Team for more information about Deck Extension

Deck Side Extension

Deck Rear Extension

Dump Extension

	HD65			HD370		
Deck	Dimension (height)	290	400	1,305	1,700 (+395)	
	Volume	1.67m³	2.3m³	15m³	20m³	
	Material	SM50A	SM50A	SM50A	ATOS60	

Hyundai Special Vehicle\_47



# CRANE TRUCK Standard Specifications

## Stiff Crane

Crane Model (Hiab)		T-CLX023	T-CLX029	T-CLX038	T-080-5	160T	190T	T210U	270T	320T
Capacity	Max.Lifting (ton/m)	2.4	2.8	3.5	7.7	15.0	18.1	21.0	27.0	31.5
	Outreach Lifting Capacity (kg/m)	1,620 / 1.5	1,840 / 1.5	2,200 / 1.6	3,030/2.3	6,500 / 1.4	8,000 / 1.6	8,000 / 1.8	10,000 / 1.7	10,000 / 1.9
		1,000 / 2.4	1,120 / 2.4	1,320 / 2.6	1,790/3.4	2,870 / 4.5	3,170 / 5.1	4,180 / 5.0	4,110 / 5.5	6,080 / 5.1
		700 / 3.4	780 / 3.4	920 / 3.7	950/5.6	1,400 / 7.3	1,650 / 7.9	2,320 / 7.9	2,000 / 9.2	3,170 / 8.7
		-	600 / 4.4	700 / 4.8	600/7.8	890 / 10.2	1,100 / 10.8	1,380 / 10.8	1,320 / 12.9	2,150 / 12.3
		-	-	-	430/10.0	620 / 13	580 / 16.6	910 / 16.6	1,550 / 15.9	15.9
Max. Working Height from installation level		5.7m	6.7m	7.4m	13.5m	19.9m	20.6m	20.8m	21.4m	20.8m
Slew	Angle	322°					360°(continuous)			
	Speed (°/s)	10	10	10	15	15	15	12	12	12
Winch	Lifting Capa.	-	-	-	3,030kg	6,500kg	8,000kg	8,000 kg	10,000 kg	10,000 kg
	Speed(°/s)	-	-	-	-	12m/min	12m/min	12m/min	10m/min	10m/min
Boom Stage		2 Step	3 Step	3 Step	5 step	6 step	6 step	7 step	5 step	5 step
Recommended C/Cab		HD65 / 72			HD120	HD170		HD260	HD320	

\* Data based on manufacturer's standard specs; additional equipment and accessories are up to customer needs.  
\* Overall size is based on the complete crane truck with the crane fitted between C/Cab and cargo deck.  
\* Overall size can vary according to the standard C/Cab and mounted crane.  
\* Specifications may differ depending on the selected engine and options.  
\* Kindly contact the Special Vehicle Team for more detailed information.

Specifications are subject to change without prior notice  
For additional step of all crane line-up, please contact special vehicle team

## Knuckle Crane

Model		X-CLX044B	X-CLX078B	X-CLX088B	X-CLX128B	X-CLX148B	X-CLX178B
Capa.	Max. Lifting (ton/m)	3.5	6.8	8.0	11.5	13.7	16.0
	Outreach Lifting Capa (kg / m)	1,020 / 3.4	2,520 / 2.7	2,820 / 2.8	4,000 / 2.8	4,600 / 2.9	5,000 / 3.2
		720 / 4.7	1,780 / 3.8	2,020 / 3.8	2,600 / 4.4	3,100 / 4.4	3,450 / 4.6
		540 / 6.1	1,220 / 5.4	1,400 / 5.4	1,840 / 6.2	2,200 / 6.2	2,460 / 6.4
Slew	Angle (°)	380°	406°	406°	415°	415°	415°
	Speed (°/s)	15					
Boom Stage		2 Step					
Recommended Oil Flow (l/min)		10~15	35~40	40~45	40~45	40~45	45~55
Folded Height (mm)		1,610	1,900	2,000	2,238	2,238	2,265
Recommended C/Cab		HD65 / HD72	HD120	HD120	HD170	HD170	HD250
Wheel Base		All Types					

\* Specifications may differ depending on the selected engine and options.

## Wrecker Truck

Vehicle	HD65	HD72	HD120	HD160	HD260
Cab type	STD C/Cab				
Wheelbase	Short				
Drive system	4 X 2				6 x 4
Overall (mm)	Length	5,270	5,270	7,174	8,090
	Width	2,000	2,000	2,170	2,495
	Height	2,895	2,895	2,895	3,120
Lift Capacity (kg/m)	Retracted	1,460/2.9	2,300/3	2,450/3.9	3,000/3.9
	Extended	500/6.6	700/7.4	1,000/8.7	1,000/8.7
Boom Stage		3 Stage			
Max. Working Radius (m)		6.6	7.4	8.7	8.7
Max. Height (m)		8.2	8.2	9.1	12.6
Telescoping Speed		3.7m /14sec	3.7m /14sec	4.4m /18sec	4.0m /18sec
Winch Capacity (kg)		2,000	3,000	5,000	7,000
Winding up Speed		15.4m/min			
Boom Derricking		2~75° / 9 seconds			
Slewing Angle		360° (continuous rotation)			
Slewing Speed		2.5 rpm			
Safety Equipment		Relief valve, Overcenter valve, Pilot Check Valve			

\* Specifications may differ depending on the selected engine and options.

Specifications are subject to change without prior notice

## Crane Truck

### Stiff / Knuckle Crane



• Stiff Crane (T023~T038) can be mounted on both deck and C/Cab frame without deck cut

• Stiff Crane (160T ~ 320T) is mounted on C/Cab frame; mounting requires a deck cut (differs by model/average 1,200 ~ 1,500mm cut)

• Knuckle Crane is mounted on C/Cab Frame, and deck is 100% cut (differs by model/average 900 ~ 2,000mm cut)

• Stiff / Knuckle Crane can be mounted on any type of special vehicle (contact the Special Vehicle Team for more information)

• Hook / Standard outrigger is mounted as a standard

• PTO is a mandatory option when ordering crane trucks

## Specifications

		Stiff Crane		Knuckle Crane	
Pic.		Single-Folding		Double-Folding	
Stiff	Lifting Capa.	2.4ton	ALL	-	-
	T-CLX029-2	2.8ton	ALL	-	-
	T-CLX038-3	3.5ton	ALL	-	-
	T-080-5	7.7ton	ALL	-	-
	160T	15.0ton	Above HD160/170	-	-
	190T	18.1ton	Above HD250	-	-
	270T	27.0ton	Above HD260	-	-
Knuckle	320T	31.5ton	Above HD320	-	-
	X-CLX044B	-	-	3.5ton	Above HD65 / HD72
	X-CLX078B	-	-	6.8ton	Above HD120
	X-CLX088B	-	-	8.0ton	Above HD120
	X-CLX128B	-	-	11.5ton	Above HD170
	X-CLX148B	-	-	13.7ton	Above HD170
Use		High place work, Construction sites Miscellaneous materials transport		Materials transport, Materials assembly Mountainous areas, Recyclable materials transport	

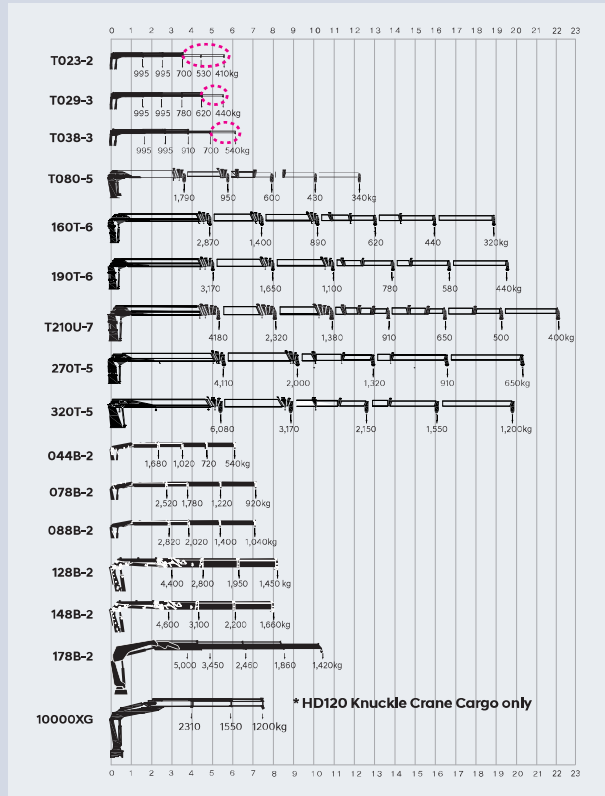
## HIAB T-Crane Specifications

VERSION		HIAB T080	HIAB 160T	HIAB 190T	HIAB 270T	HIAB 320T	
Lifting capacity	tm	7.7	15.0	18.1	27.0	34.0	
Outreach / Lifting Capa. Hydraulic extension	m/kg	2.6m - 2,900	1.4m - 6,500	1.6m - 8,000	1.7m - 10,000	1.5m - 10,000	
		3.4m - 1,820	4.5m - 2,870	5.1m - 3,170	5.5m - 4,110	5.2m - 3,570	
		5.6m - 960	7.3m - 1,400	7.9m - 1,650	9.2m - 2,000	8.8m - 3,460	
		7.8m - 630	10.2m - 890	11.8m - 1,100	12.9m - 1,320	12.4m - 2,310	
		10.0m - 450	13.0m - 620	13.7m - 780	16.6m - 910	16.0m - 1,700	
		12.3m - 340	15.9m - 440	16.6m - 580	20.3m - 650	19.6m - 1,300	
Max. Working radius		m	12.3	18.7	19.5	20.3	19.6
Max. working height		m	13.5	19.9	20.6	21.4	20.8
Recommended oil flow		l/min	50	56	63	68	80
Max. Working pressure		bar	200	200	210	210	200
Slewing Angle		°	Infinite rotation				
Recommended Domestic mounting chassis		ton	2.5	7	7	17	19

Specifications are subject to change without prior notice

## Crane Truck (Stiff / Knuckle Crane)

Unit : m



\* Specifications are subject to change without prior notice.  
\* Circled part should be separately with extension option.

Stiff / Knuckle Crane

### Body



**X-CLX044 ~  
X-CLX088**  
HD65 ~ HD120  
Knuckle  
**Note: Standard**



**X-CLX128 ~  
X-CLX148**  
Above HD120  
Knuckle  
**Note: Standard**



**X-CLX178**  
Above HD250  
Knuckle  
**Note: Standard**



**T-080-5**  
Above HD65  
Stiff  
**Note: Standard**



**160T-6 / 190T-6**  
160T : Above HD120  
190T : Above HD170  
Stiff  
**Note: Standard**



**270T-5 / 320T-5**  
270T : Above HD260  
320T : Above HD320  
Stiff / Korea  
**Note: Standard**



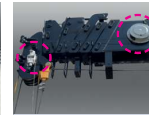
**T-CLX023-2 /  
T-CLX 029-2**  
HD65 ~ HD120  
Stiff  
**Note: Standard**



**10000XG**  
Above HD120  
Knuckle  
\* Include Grapple  
**Note: Standard**



**Assistance outrigger**  
Stiff / Knuckle Crane  
160T,190T at HD120/170 -  
mandatory option,  
160T,190T at above HD250 -  
option,  
270T,320T - Standard  
**Note: Option 1**



**Safety system**  
Stiff Crane  
**Note: Option 2**

\* Kindly contact the Special Vehicle Team for more detailed crane specs or photos.

#### Option 1

- Standard outrigger is included but assistance outrigger is available as an option to ensure safety.
- It is installed at the rear and front of C/Cab when the crane is mounted at the front of C/Cab and over the deck at the rear, respectively.

#### Option 2

- It consists of sensors, electrical control unit and winch safety warning device (wire winding sensor)
- Contact the Special Vehicle Team to ensure this option complies with your local safety regulations as they differ considerably from country to country.

### Crane Truck

## HD120 Crane Truck

- Available only in the HD120 X-LONG, kindly contact the Special Vehicle Team for other types.
- Can be additionally reinforced to suit the operating environment.
- PTO is a mandatory option when ordering crane trucks



### Crane Truck

## Wrecker Truck

- The 3-step boom is standard but can be replaced with a 2-step at the customer's request
- PTO is a mandatory option when ordering wrecker trucks



**Domex high tension box**  
HD120 crane truck  
Box Thickness : 3.2mm,  
Front/Side : 4mm  
Box payload : 4,000 kg  
**Note: Standard**



**Knuckle crane (Hiab 10000XG)**  
HD120 crane truck  
Lifting Capacity : 9.7 ton/m  
Outreach : 7.6m  
Slewing Angle : 400°  
Max. Working Pressure : 260 bar  
**Note: Standard**



**Rear pusher axle**  
HD120 crane truck  
**Note: Standard**



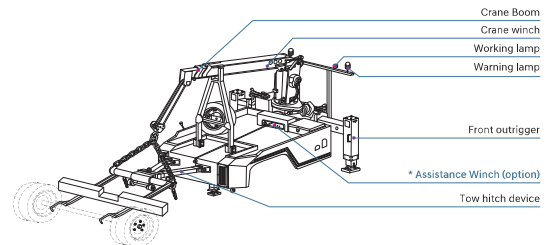
**Grapple**  
HD120 crane truck  
\* Capa.: 0.35m³  
**Note: Standard**



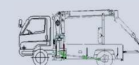
**Crane control seat**  
HD120 crane truck  
**Note: Standard**



**Rear outrigger**  
HD120 crane truck  
**Note: Standard**



### Standard Wrecker Configurations



HD 65 / 72 Wrecker Truck



HD 120 Wrecker Truck




HD 170 Wrecker Truck




HD 260 Wrecker Truck

## Crane Truck


Wrecker Truck




**Boom crane**  
Wrecker  
HD65 / 72 / 120 / 160 / 260  
\* include Crane control seat in HD260  
**Note: Standard**




**Tow hitch device**  
Wrecker  
HD65 / 72 / 120 / 160 / 260  
**Note: Standard**




**Front outrigger**  
Wrecker  
HD65 / 72 / 120 / 160 / 260  
**Note: Standard**




**Warning / work lamp**  
Wrecker  
HD65 / 72 / 120 / 160 / 260  
\* Warning lamp : 2ea, Working lamp : 2ea  
**Note: Standard**




**Warning / work lamp switch panel**  
Wrecker  
HD65 / 72 / 120 / 160 / 260  
**Note: Standard**




**Crane winch**  
Wrecker  
HD65 / 72 / 120 / 160 / 260  
**Note: Standard**




**Crane lever**  
Wrecker  
HD65 / 72 / 120 / 160 / 260  
**Note: Standard**



**Assistance winch**  
Wrecker  
Above HD120  
**Note: Option 1**



**Underlift / underlift control**  
Wrecker  
Above HD120  
**Note: Option 2**



**Crane control cabin**  
Wrecker  
Above HD260  
**Note: Option 3**

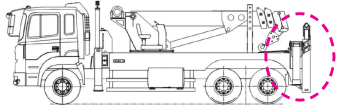

**Body**

**Option 1 (Wrecker)**

- Used when the direction of vehicle to be towed does not suit the tow device or towing on hills etc.
- The winch mounting position adjoins the boom crane but can be changed at the customer's request.

**Option 2 (Wrecker)**

- Hydraulic hitch raises one axle of the towed vehicle allowing it to be towed on remaining tires.
- The rear outrigger is mounted as standard when this option is selected.

56\_Hyundai Special Vehicle

Hyundai Special Vehicle\_57

## TANKER LORRY Standard Specifications

### Water Tanker Lorry

Model	HD65	HD72	HD120	HD170	HD260	HD310
Wheelbase	Short					
Cab type (Width/Length)	Wide/STD	STD	Sleeper			
Drive system	4 X 2				6 x 4	8 x 4
Overall (mm)	Length	5,230	5,230	6,865	7,850	9,635
	Width	2,000	2,000	2,255	2,495	2,495
	Height	2,195	2,215	2,585	3,140	3,140
Body (mm)	Length	2,640	3,180	3,700	3,720	4,560
	Width	1,500	1,780	1,820	2,300	2,300
	Height	870	990	1,010	1,300	1,380
Capacity		2.5 kℓ	4 kℓ	5 kℓ	8 kℓ	10 kℓ
	Material	SUS304				
	Thickness	3mm				4mm
Tank	Material	STEEL with Epoxy coating				
	Thickness	3.2mm				4mm
	Suction	10M (1ea)				
Hose	Diameter	2 inch				
	Discharge	15m (1ea)				
	Diameter	1.5 inch				
Pump (OPT.)	Type	Self Priming Centrifugal Pump				
	Capacity	400ℓ/min				600ℓ/min

\* Specifications may differ depending on the selected engine and options.  
Specifications are subject to change without prior notice.

### Vacuum Lorry

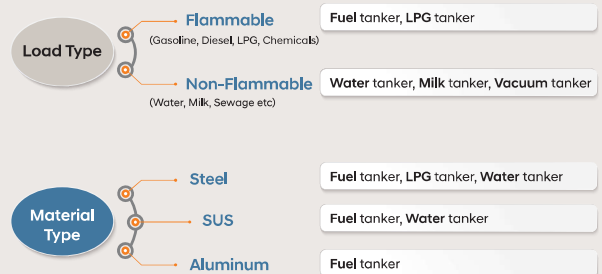
Model	HD65	HD72	HD120		HD170	HD260		HD310
Wheelbase	Short							
Cab type (Width/Length)	Wide/STD	STD	Sleeper					
Drive system	4 X 2			6 x 4			8 x 4	
Overall (mm)	Length	5,230	5,230	6,865	7,850	9,635	11,395	
	Width	2,000	2,000	2,255	2,590	2,495	2,495	
	Height	2,195	2,500	2,585		3,350	3,250	3,310
Body (mm)	Length	2,640	2,930	3,930	4,280	4,390	6,460	6,160
	Width	1,500	1,700	1,780	1,810	2,300	2,200	2,350
	Height	870	950	990	1,095	1,380	1,250	1,520
	Capacity	2.5 kℓ	4 kℓ	5 kℓ	8 kℓ	10 kℓ	14 kℓ	20 kℓ
Tank	Material	Steel (STD for Epoxy Coating)				Steel (Option for Epoxy Coating)		
	Thickness	6mm						
Hose	Suction/ Discharge	2.5 inch				3 inch		
	Type	50m						
Pump	Type	Vane type vacuum pump						
	Capacity	4,000ℓ/min		6,000ℓ/min		6ℓ/min (S) 6ℓ/min x 2 (C)		6,000ℓ/min x 2

\* Specifications may differ depending on the selected engine and options.  
Specifications are subject to change without prior notice.

### Home Lorry / Fuel Tanker Lorry

Model		Home Lorry		Fuel tank Lorry			
		HD65	HD72	HD120	HD170	HD260	
Wheelbase		Short					
Cab type (Width/Length)		Narrow / STD	Wide / STD	Sleeper			
Drive system		4 X 2				6 X 4	
Overall (mm)	Length	5,275	5,230	6,865		7,850	9,635
	Width	1,870	2,000	2,255		2,495	2,495
	Height	2,195	2,215	2,585	2,585	3,140	3,180
Body (mm)	Length	2,620	3,010	3,980	4,240	4,740	6,240
	Width	1,700	1,930	1,930	2,030	2,350	2,350
	Height	950	1,090	1,090	1,300	1,520	1,520
Tank	Capacity	3kℓ (2kℓ x 1kℓ)	4kℓ (2kℓ x 2kℓ)	4kℓ (2.5kℓ x 1.5kℓ)	6kℓ (2kℓ x 3)	8kℓ (4kℓ x 4)	12kℓ (4kℓ x 3)
	Compartment	2	2	3	4	3	4
	Material	Steel (STD for Epoxy Coating)		Steel (STD for Epoxy Coating)		Steel (Option for Epoxy Coating)	
Hose	Thickness			3.2mm		4mm	
	Suction/Discharge			2 inch		3 inch	
	Discharge	2m (2ea)		2.5m (2ea)		3m (2ea)	
Pump (OPT.)	Type	Gear Pump					
	Capacity	300ℓ/min	300ℓ/min	600ℓ/min		1,000ℓ/min	

\* Specifications may differ depending on the selected engine and options.  
Specifications are subject to change without prior notice.



58\_Hyundai Special Vehicle

Hyundai Special Vehicle\_59

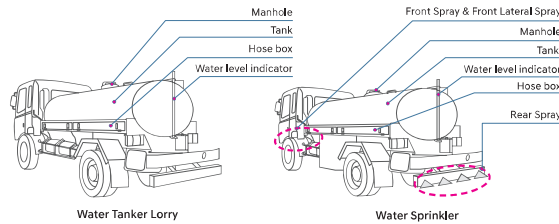
## Tanker Lorry

## Water Tanker



- Water discharge is gravity-type in standard spec.
- Sprinkler vehicle is fitted with optional sprinklers.
- Tank capacity can be customized (contact the Special Vehicle Team)
- PTO is a mandatory option when ordering tanker trucks

	STEEL	SUS304
Thickness	2,54t - 6t : 3,2mm 10t - 4mm	2,54t - 6t : 3mm 10t - 4mm
Advantage	Lower Cost ver. SUS304	Anti-Corrosive ver. steel
Transport	Industrial water	Drinking Water
Epoxy Coating	O	X



## Body



**Manhole (16'') & walkway**  
Water tank lorry  
HD65 ~ HD310  
\* Below 5t: 1EA  
Above 8t: 2EA  
Note: Standard



**Hose box**  
Water tank lorry  
HD65 ~ HD310  
Note: Standard



**Fender**  
Water tank lorry  
HD65 ~ HD310  
\* HD65 ~ HD170 : Plastic  
HD260 ~ HD310 : Steel  
Note: Standard



**Rear ladder**  
Water tank lorry  
HD65 ~ HD310  
\* HD72/78/120 Ladder is attached to the side of tank  
Note: Standard



**Level indicator**  
Water tank lorry  
HD65 ~ HD310  
Note: Standard



**4-way valve**  
Water tank lorry  
HD65 ~ HD310  
Note: Standard



**Pump package**  
Water tank lorry  
HD65 ~ HD310  
Note: Option 1



**Sprinkler - PTO**  
Water tank lorry  
Above HD160  
Note: Option 2  
(Water Sprinkler)

## Option 1

- Self-priming centrifugal pump + SUS304 pipe
- 2" water pipe is applied to HD72~HD120 and 3" for HD160 and above,



**Suction hose (10m) 1pc**  
Water tank lorry (HD65 ~ HD310)  
\* Below 5t: 2" Dia.  
Above 8t: 3" Dia.



**Discharge hose (15m) 1pc**  
Water tank lorry (HD65 ~ HD310)  
\* Free fall type (Dia. 1.5")  
\* Include Coupler

## Option 2 (Water Sprinkler)

- This option can be selected when the pump package option is ordered,
- Either bar-type or flushing nozzle-type (lateral spray nozzles) are available for front mounting
- Gravity-type is standard for the rear mount while the pump-type is optional.

	Standard	Pump
Charge	Through Manhole	Can be vacuumed and purged by hose using pump pressure
Discharge	Free Fall	

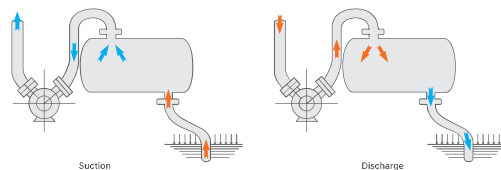
## Tanker Lorry

## Vacuum Lorry



- Vacuum lorry has a hose holder mounted as standard equipment; if the spec/length is changed due to customer requirements, a hose storage box may be required (locally installed)
- Front manhole is equipped with automatic overflow cutoff
- Rear manhole is a manual gas discharge-type with screw fittings
- PTO is a mandatory option when ordering vacuum trucks
- Main usage: excrement, waste oil

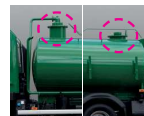
## Vacuum Lorry Operation Principle



Air inside the tank is forced out by the vacuum pump which creates a pressure differential between the tank interior and exterior thus creating suction to collect waste. For discharge, the flow is reversed: Outside air is pumped into the reservoir which in turn forces the inner waste to be discharged.

## Vacuum Lorry

## Body



**Manhole (front/rear)**  
Vacuum tank lorry  
HD65 ~ HD310  
\* Front manhole : Suction  
Rear manhole : Release gases  
\* Include baffle plates in tank inside  
Note: Standard



**Pump (vane-type)**  
Vacuum tank lorry  
HD65 ~ HD310  
\* The color depends on customer needs.  
Note: Standard



**4-way valve controller**  
Vacuum tank lorry  
HD65 ~ HD310  
\* Suction / Discharge / Neutral  
Note: Standard



**2-way valve (2 ea)**  
Vacuum tank lorry  
HD65 ~ HD310  
\* Suction or discharge under 3way valve set up  
\* Blow HD120 2.5"  
Above HD170 3"  
Note: Standard



**Control lever**  
Vacuum tank lorry  
HD65 ~ HD310  
\* Adjust amount of suction or discharge  
Note: Standard



**Oil tank / oil separator**  
Vacuum tank lorry  
HD65 ~ HD310  
Note: Standard



**Air cleaner**  
Vacuum tank lorry  
HD65 ~ HD310  
Note: Standard



**Gauge / cleaning hole**  
Vacuum tank lorry  
HD65 ~ HD310  
Note: Standard



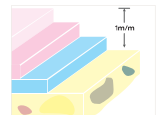
**Hose (50m)**  
Vacuum tank lorry  
HD65 ~ HD310  
\* HD72 ~ HD120 : 2.5" Dia  
Above HD160 3" Dia  
Note: Standard



**Fender**  
Vacuum tank lorry  
HD65 ~ HD310  
\* HD65 ~ HD170 : Plastic  
HD260 ~ HD310 : Steel  
Note: Standard



**Rear step / level indicator**  
Vacuum tank lorry  
HD65 ~ HD310  
Note: Standard



**Epoxy coating**  
Vacuum tank lorry  
Above HD170  
\* Surface coating of Vacuum tank inside  
Note: Option 1

## Option 1

- Applied as standard equipment to HD72~HD120

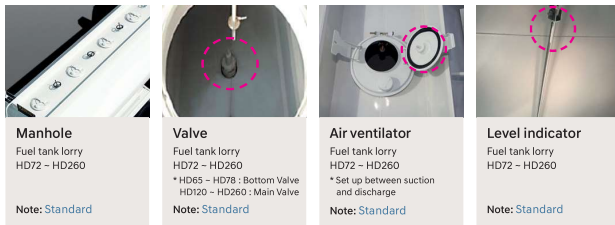


## Fuel Tanker Lorry



- The size of the compartment can be ordered only after the number and capacity of individual compartments have been reviewed and confirmed to be in accordance with the local laws and weight regulations
- Not to be used for other types of stored fuel (LPG or other toxic/chemical/corrosive liquids; for special fuels other than gasoline, diesel kindly contact the Special Vehicle Team)
- PTO is a mandatory option when ordering fuel tankers

## Body



**Manhole**  
Fuel tank lorry  
HD72 ~ HD260

Note: Standard

**Valve**  
Fuel tank lorry  
HD72 ~ HD260

\* HD65 ~ HD78 : Bottom Valve  
HD120 ~ HD260 : Main Valve

Note: Standard

**Air ventilator**  
Fuel tank lorry  
HD72 ~ HD260

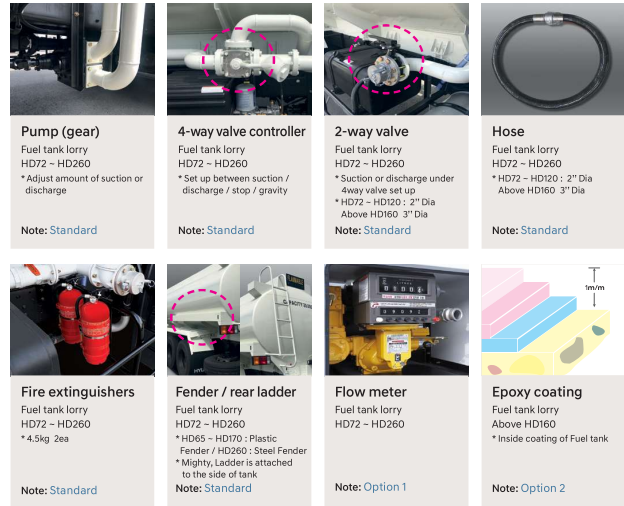
\* Set up between suction and discharge

Note: Standard

**Level indicator**  
Fuel tank lorry  
HD72 ~ HD260

Note: Standard

## Body



**Pump (gear)**

Fuel tank lorry  
HD72 ~ HD260

\* Adjust amount of suction or discharge

Note: Standard

**4-way valve controller**

Fuel tank lorry  
HD72 ~ HD260

\* Set up between suction / discharge / stop / gravity

Note: Standard

**2-way valve**

Fuel tank lorry  
HD72 ~ HD260

\* Suction or discharge under 4-way valve set up

Note: Standard

**Hose**

Fuel tank lorry  
HD72 ~ HD260

\* HD72 ~ HD120 : 2" Dia  
Above HD160 : 3" Dia

Note: Standard

**Fire extinguishers**

Fuel tank lorry  
HD72 ~ HD260

\* 4.5kg 2ea

Note: Standard

**Fender / rear ladder**

Fuel tank lorry  
HD72 ~ HD260

\* HD65 ~ HD170 : Plastic Fender / HD260 : Steel Fender

\* Mighty, Ladder is attached to the side of tank

Note: Standard

**Flow meter**

Fuel tank lorry  
HD72 ~ HD260

Note: Option 1

**Epoxy coating**

Fuel tank lorry  
Above HD160

\* Inside coating of Fuel tank

Note: Option 2

## Option 1

- Flow meter is US-made LC brand (pre-set type) with either 2" or 3" pipes (HD72 ~ HD120: 2" dia, HD160 & above: 3" dia).
- The cover can be specified when ordering the flow meter.

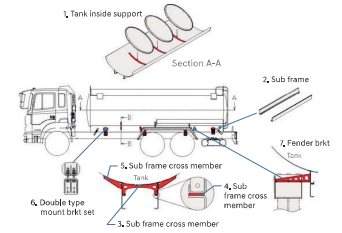


Flow Meter Cover

## Option 2

- Applied as basic spec for HD72~HD120,

## Option 3\_Tank Lorry Reinforcement



※ Mounting reinforcement is highly recommended on the harsh road conditions.

## Home Lorry



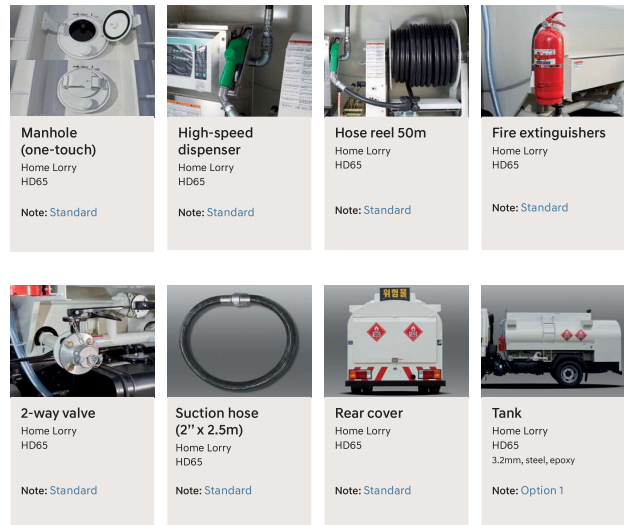
- Standard equipment includes two units of 2"-dia hose (2.5m) and epoxy coating.
- Two compartments (2KL + 1KL) or (2KL + 2KL)
- The flow meter may be selected instead of the high speed dispenser depending on local oil quality / filling environment
- HMC recommends 3KL or less where regulations permit; compliance with local laws must be reconfirmed
- PTO is a mandatory option when ordering home lorries

## High Speed Dispenser vs Flow Meter Comparison

	High Speed Dispenser	Flow Meter	Remarks
Spec.	Standard	Option	
Operation Type	Electronic	Mechanical	
Strengths	Inexpensive price	Resistant to impact and has no minor troubles	
		Less influenced by temperature	
Weaknesses	Low resistance to impact and abrasion; rubber hose cannot be used in extreme cold Minor troubles like filter blockage could occur when low quality oil is used	High price	
KD introduction	Ordinarily sufficient inventory is available	3 months via sea shipment (air 2 months)	

\* Air shipment would incur additional cost

## Body



**Manhole (one-touch)**

Home Lorry  
HD65

Note: Standard

**High-speed dispenser**

Home Lorry  
HD65

Note: Standard

**Hose reel 50m**

Home Lorry  
HD65

Note: Standard

**Fire extinguishers**

Home Lorry  
HD65

Note: Standard

**2-way valve**

Home Lorry  
HD65

Note: Standard

**Suction hose (2" x 2.5m)**

Home Lorry  
HD65

Note: Standard

**Rear cover**

Home Lorry  
HD65

Note: Standard

**Tank**

Home Lorry  
HD65

3.2mm, steel, epoxy

Note: Option 1

**Ladder**

Home Lorry  
HD65

Note: Standard

## SPECIAL PURPOSE Standard Specifications

### Cargo Deck

Model	HD160		HD250	HD260		HD320
Wheelbase	Short	Long	Long	Short	Medium	Ex-Long
Length (mm)	5,620	7,300	9,250	7,370	8,000	10,100
Width (mm)	2,340	2,340	2,340	2,340	2,340	2,340
Height (mm)	450	450	450	450	450	450

### Double Cab

MODEL		EX6 (Chassis cab)	HD120			
Deck (mm)	WHEEL BASE	Medium	Short	Long	Ex-Long	U-Long
	Length	-	3,500	4,200	5,150	6,300
	Width	-	2,280	2,280	2,280	2,340
	Height	-	400	400	400	450
Deck Tilting		-	Semi Manual tilting System			
Passengers		7	6			
G.V.W (kg)		6,500	12,520	12,520	12,520	13,300
	EVW (kg)	2,680	4,950	5,350	5,440	5,635
	C/Cab	2,680	3,815	4,215	4,305	4,500
	U/Body	-	1,135	1,135	1,135	1,135
	Payload (kg)	3,820	7,570	7,170	7,080	7,665

### 4WD

Model	HD65	HD120	County
Wheelbase	Long	Long	Long
Length (mm)	6,074	7,670	7,080
Width (mm)	2,030	2,400	2,035
Height (mm)	2,367	2,695	2,800
Min. Clearance	235mm	235mm	195mm
Transfer (Power Distribution(F/R))	Normal	30:70	30:70
	Off-Load	50:50	50:50
Reduction Gear	Front	Single	Single
	Rear	Single	Single
Locking Differentials	Front/Rear Transfer	X	X
	Transfer	X	O
Gradeability (%)	60	60	60
Max. Speed	100km/h	100km/h	-

### Liftable Air Suspension




Model	HD210	HD360
Explanation	HD120 + Pusher/Tag Axle	HD320+Pusher Axle
Wheelbase	Ultra-Long	
Axle	Model	KT-5000PD
	Type	Center drop type
Wheel	6.75 x 19.5" (Steel)	6.75 x 19.5" (Steel)
Tire	245 / 70R (4ea)	245 / 70R (4ea)
Chamber	Double	Double
Air Tank	45# (2ea)	45# (2ea)
Spring (Ride / Lift)	2bag / 2bag	2bag / 2bag
Spring (Damper)	x	O

\* Specifications may differ depending on the selected engine and options.

Specifications are subject to change without prior notice.

## Special Purpose

## Fire Fighting Truck

NO	Water Pump Truck	Chemical / Water Truck	Rescue Truck
Picture			
Water Tank (ℓ)	3,000	2,600	-
Foam Tank (ℓ)	2,00	400 (200x2)	-
Material	Body : SUS304 or EGI Water Tank : 316L Foam Tank : PP or SUS304	Body : SUS304 or EGI Water Tank : 316L Foam Tank : PP or SUS304	Body : SUS304 or EGI + AL
Pump	A-1 Class	A-1 Class	-
Crane Capacity	-	-	34.3 kN-m

- Models shown above are HMC-recommended and meet all KS regulations
- Please contact Special Vehicle Team for North American NFPA 1901 regulations
- CAFS SYSTEM is a foam-jet device in accordance with European specs and HMC does not offer specialized installation of this device
- Dry powder for extinguishing electrical fires can be installed on HD120 model or above
- Double cab remodeling is independent of HMC quality assurance as it is outsourced to other manufacturers
- Water and foam tanks are made of SUS304 and SUS316, respectively, and can be removed, and their capacity increased or decreased. A baffle plate is installed inside.
- Foam mixing ratio: 3% ~ 6% (adjustable)
- An A-1 class pump (3,000LPM) is normally mounted, and a suitable manual monitor is installed (automatic monitor is also possible - adjusted within the C/Cab) However, the automatic monitor can be installed on the HD160
- Specs can be changed according to C/Cab type (Short / Medium / Long)
- PTO mounting is to be outsourced to specialized installer



HD170 Double Cab Standard Drawing

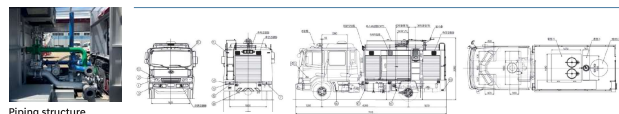
## Fire Fighting Truck

## HD120 Water Pump Truck



※ Fire fighting truck color can be customized and local fire truck photo and color codes must be provided.

### Specifications



※ For more information about fire fighting trucks, kindly contact the Special Vehicle Team.

## HD120 Rescue Truck



### Specifications



## Special Purpose

## Cargo Deck Truck



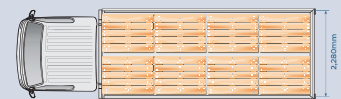
NO	Contents	Spec.
1	Guard Assy-Deck Fr	Steel SS400 3.2t ~ 6.0t, SPHC 1.6t
2	Gate Assy-Side/Tail	Steel & Wood Wood (Aptlong 31.5t), SS400 3.2t ~ 9.0t,
3	Floor Board (Floor)	Wood Wood (Aptlong 18t)
4	Floor Frame Assy (Floor Edges)	Steel Angle(100x100x10t, 100x100x7t), SS400 4.5t ~ 12t
5	Sub Frame Assy-Lh,Rh	Steel Square PIPE (STKR490 3.2t 150x75), SS400 4.5t ~ 25t

• Long/medium/short should be specified when ordering the deck

## Aluminum Cargo Deck

• Ample width accommodates two pallets side-by-side (based on 1,100mm x 1,200mm standardized pallet).

• Aluminum makes for a deck that is lightweight and resistant to corrosion.



## Aluminum Cargo Deck

### Body



**Gates closed**  
Aluminum Cargo Deck  
EX8  
Note: Standard



**Gates opened**  
Aluminum Cargo Deck  
EX8  
Note: Standard



**Apitong wood floor**  
Aluminum Cargo Deck  
EX8  
Note: Standard

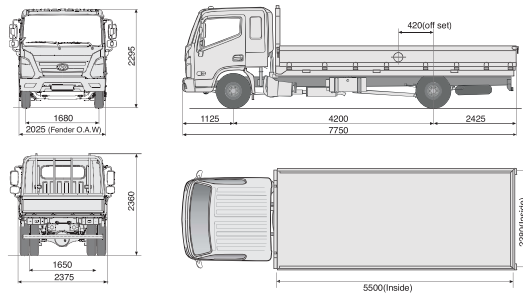


**EX8 aluminum deck**  
Aluminum Cargo Deck  
EX8  
Note: Standard



**Side gate hinge**  
Aluminum Cargo Deck  
EX8  
Note: Standard

Model		EX8
Drive Type	Length	7755
	Width	2,375
	Height	2,360
Aluminum Deck Size (mm)	Length	5,500
	Width	2,280
	Height	400
Payload (kg)		3,500



72\_Hyundai Special Vehicle

### Special Purpose

## Liftable Air Suspension

### HD120 → HD210 (6x2)

	Pusher axle	Tag axle
	- Liftable air suspension mounted in front of the drive axle - Tank Lorry, Arm Roll	- Liftable air suspension mounted behind the drive axle - Cargo/Van/Wingbody Truck
Model	KT-5000PD	KT-5000TD
Axle Elevation Height	120 ~ 170mm	120 ~ 170mm
Max. Working Pressure	145psi (10bar)	145psi (10bar)
Tire	245/70R 19.5	245/70R 19.5

- Above models are for HD120 and increase payload 8,800kg (the name is changed to HD210)  
- HD210 specs may vary by region

	HD120 Extra Long	HD210 Ultra Long
Drive Type	4 X 2	6 X 2
G.V.W	12,520 kg	21,320 kg
Empty Vehicle	5,530 kg	6,384 kg
Pay Load	7,770 kg	14,936 kg



Air reservoir tank (45ℓ x 2) Outside air controller

Hyundai Special Vehicle\_73

## Liftable Air Suspension

### HD320 → HD360 (10x4)

#### Pusher axle



Model	KT-9500DL
Axle Elevation Height	140~180mm
Max. Working Pressure	110psi (7.6bar)
Tire	12R / 22.5



Air pressure gauge



Pusher axle parking brake



Usage examples

### County Air Suspension



#### Benefits :

- Air cushion provides greater safety and comfort
- The auto control valve adjusts the optimal vehicle height and air pressure
- Improves stability
- Reduced stress on the shock absorbers



Rear air suspension



Air reservoir



Air pressure gauge



Air compressor assy

74\_Hyundai Special Vehicle

### Special Purpose

## Double Cab

- Applicable only to HD120 (to inquire about other vehicles contact the Special Vehicle Team).
- Can comfortably carry up to six persons.
- Build quality is equivalent to original C/Cab due to exact same production processes.



Passenger seats : 3 + 3 = 6



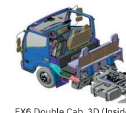
Double Cab 3D (Inside)



Double Cab 3D (Outside)



Passenger seats : 3 + 4 = 7



EX6 Double Cab 3D (Inside)



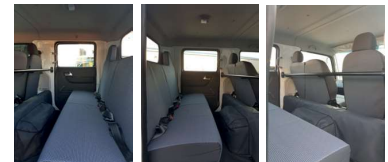
EX6 Double Cab 3D (Outside)

### EX6 Double Cab

#### Exterior



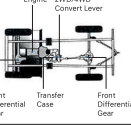


#### Interior



Hyundai Special Vehicle\_75



# 4 Wheel Drive

Method	Description	Remarks
Transfer Case	Power distributing device delivered from the transmission to front and rear axle	
Part-time (2-speed) High 1:1 Low 1:2	<ul style="list-style-type: none"><li>• Switch between 2WD and 4WD according to road conditions (Choose 2WD to operate rear axle only for normal driving conditions, 4WD to operate both front/rear axle for off-road driving or snowy roads).</li><li>• Power delivery between front/rear axle is fixed at 50:50 so when turning the vehicle may, hesitate momentarily due to rear axle slippage (Extra caution must be taken when driving in 4WD mode on high friction pavement).</li><li>• To improve towing capability and driving power, low gear is included to reduce the speed in 4WD mode.</li><li>• 2WD-Low speed is impossible when driving in 2WD mode, in this case the transfer case operates only in high gear, and in 4WD mode only the low gear operates.</li></ul>	
Full-time (2-speed) High 1:1 Low 1:2	<ul style="list-style-type: none"><li>• Full-time 4WD mode (power continuously distributed to front/rear axles).</li><li>• Stable off-road driving, improved traction on snowy roads and high speed driving.</li><li>• Escape from potholes and ruts easily by equal power distribution.</li><li>• Variable power distribution to front/rear (30:70).</li><li>• Front/Rear power distribution ratio varies among vehicle manufacturers.</li><li>• Front/Rear power distribution is controlled by hydraulic pressure and multi-plate clutch (gear controlling mechanical type is available).</li></ul>	
Single Reduction	<ul style="list-style-type: none"><li>• Final gear reduction at axle differential.</li><li>• Ground clearance is low and overall height is high.</li><li>• Limits engine torque (determined by axle shaft strength).</li><li>• Lower price than double reduction-type.</li><li>• Reduces GVW.</li></ul>	



76 J-Hyundai Special Vehicle

# Differential Lock Definition

## What is a differential?

The function of the differential is to rotate the inside and outside wheels at different rates when turning the vehicle. This is because the actual turning radii of the inside and outside wheels are not the same. The differential provide smooth turning and reduces the tire abrasion.

## What is differential locking?

The function of the differential lock is to hold (lock) the gear to ensure the same number of rotations for the left and right wheel. With this device, vehicle tires can withstand greater frictional forces.

## What is differential locking for?

It enables smooth turning and reduces tire abrasion. If the vehicle is stuck in the mud or sand and one of the tires has insufficient contact with the ground, a differential without locking mechanism would worsen the situation since the tire cannot get sufficient traction. But with differential locking, the same power (number of rotations) is delivered to both the left and right wheel to help escape from the situation.

## What is the Weak point of Differential locking?

The strong point of the differential is the weak point of differential locking. Turning of the vehicle is not smooth and tire abrasion is greater. Actually after locking the differential, it is almost impossible to control the steering wheel. So, it is recommended that use of the differential lock be limited to specific driving conditions such as unpaved road, snow, sand, etc.

Hyundai Special Vehicle\_77

## SPECIAL TRANSPORT Standard Specifications

### Flatbed Truck

Model	HD65	HD72	HD120	HD160	HD250
Wheelbase			Long		
Cab type (Width/Length)	Wide/STD	STD	←	←	←
Drive type		4 x 2			6 x 4
Overall (mm)	Length	6,175	6,715	7,645	9,755
	Width	2,060	2,210	2,410	2,495
	Height	2,360	2,360	2,660	3,130
Body (mm)	Length	4,310	4,850	5,480	7,215
	Width	1,930	2,050	2,400	2,375
	Height	1,050	1,050	1,080	1,227

### Car Carrier

MODEL		HD72	HD120	HD260	
Wheel Base		Long	U/Long	Standard	Trailer
Cab type				Medium	-
Drive type			STD C/Cab		
Overall (mm)	Length	7,345	10,605	10,515	10,660
	Width	2,480	2,495	2,495	2,495
	Height	3,520	3,170	3,530	3,160
	1F	5,320	8,170	9,260	8,170
	2F	7,120	9,970	7,720	8,400
	Total	3 mid-size car	4 mid-size car	8 (7 mid-size car + 1 small car)	
Load Capacity	1F	2 mid-size car	2 mid-size car	2 mid-size car	2 mid-size car
	2F	2 mid-size car	2 mid-size car	2 (1 midsize/1small)	2 mid-size car

\* Mid-size car : 1.4-ton, small car: 0.9-ton  
\* Above specifications are subject to change without prior notice.  
Specifications may vary depending on selected engine and options.

### Troop Transport Truck

Model	HD65	HD72	HD250
Wheelbase		Long	
Cab type		STD C/Cab	
Drive type		4 x 2	
Overall (mm)	Length	6,225	7,710
	Width	1,930	2,280
	Height	2,700	2,960
Body (mm)	Length	4,310	5,300
	Width	1,920	2,280
	Height	1,650	1,800
Person	Max. 12 person	Max. 14 person	Max. 16 person

\* Above specifications are subject to change without prior notice.  
Specifications may vary depending on selected engine and options.

### Safety Loader

Model	HD72	HD120
Wheelbase	Long	←
Cab type		Wide/STD
Drive type	4 x 2	
Overall (mm)	Length	7,605
	Width	2,400
	Height	2,750
Body (mm)	Length	5,300
	Width	2,300
	Height	80
Deck Type	Sliding	Sliding
Load Capacity	2,300kg	3,500kg
Assistance Winch	2,000kg	5,400kg
Tilting Angle	13°	10~13°
Safety Equipment	Relief valve, Overcenter valve	

### Underlift Truck

Model		HD72
Wheelbase		Long
Cab type		STD C/Cab
Drive type		4 x 2
Overall (mm)	Length	6,030
	Width	2,160
	Height	2,135
Load Capacity		1,100kg
Rotate Angle		70° + 70°
Lift Extension Range		500 mm
Lift Extension Speed		0.5 m / 5 sec
Assistance Winch		2,400kg
Safety Equipment		Relief valve, Overcenter valve

### Mobile Workshop

Model	HD65	HD72	HD120
Wheelbase		Long	
Cab type		STD C/Cab	
Drive type		4 x 2	
Overall (mm)	Length	6,075	7,550
	Width	2,000	2,390
	Height	2,900	3,390
Body (mm)	Length	4,270	5,250
	Width	2,100	2,100
	Height	1,850	2,000
Side door	1ea	1ea with door Partition	
Storage Box	Steel 4 x 3	Steel 3 x 3	Steel 4 x 3
Compressor		5HP	
Generator	x	Gasoline AC6KVA	
Tool / Equipment		* Refer to the sales guide	

\* Above specifications are subject to change without prior notice.  
Specifications may vary depending on selected engine and options.

78 J-Hyundai Special Vehicle

Hyundai Special Vehicle\_79



## Special Transport Flatbed Truck



- HD65 ~ HD120 must have the installed cargo deck while HD250 requires special deck installation.
- Vertical-type power gate and a small crane can be added as factory-installed options.

## Special Transport Car Carrier



- HD120 is manufactured in EX-LONG / U - LONG wheelbase versions (for HD120 LONG contact the Special Vehicle Team)
- HD260 can only be manufactured as MEDIUM wheelbase and a trailer is recommended (however this could be prohibited due to local regulations)
- For more information (full axle-weight distribution and rear body offset) kindly contact the Special Vehicle Team
- Inquiries about HD1000 trailer car carrier should be directed to the Special Vehicle Team
- PTO is a mandatory option when ordering car carriers

### Body



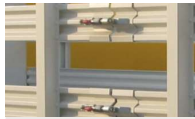
**Checked steel floor**  
Flatbed truck  
HD65 / 72 / 120 / 250  
\* Thickness : 3.2mm

Note: Standard



**Removable gate**  
Flatbed truck  
HD65 / 72 / 120 / 250  
\* It can be removed or attached

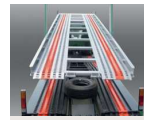
Note: Standard



**Gate lock**  
Flatbed truck  
HD65 / 72 / 120 / 250

Note: Standard

### Body



**1F/2F deck (thickness: 3.2mm)**  
Car Carrier  
HD120 / 260  
\* HD120 :  
1F : Steel Punching Plate,  
2F : GI Punching Plate  
\* HD260 :  
1F/2F : GI Punching Plate  
Note: Standard



**1F deck rear ramp**  
Car Carrier  
HD120 / 260  
\* Semi Auto (Auto + Manual)

Note: Standard



**Front post (LH/RH each)**  
Car Carrier  
HD120 / 260  
\* Single Screw Type

Note: Standard



**Rear post (LH/RH each)**  
Car Carrier  
HD120 / 260  
LH : Double Screw  
RH : Chain + Cylinder

Note: Standard

80\_Hyundai Special Vehicle

Hyundai Special Vehicle\_81

## Special Transport

### Body



**Manual lever**  
Car Carrier  
HD120 / 260

Note: Standard



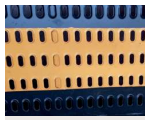
**Manual lift lever**  
Car Carrier  
HD120 / 260  
An emergency manual lever for lifting cap up plate

Note: Standard



**Front tire stopper**  
Car Carrier  
HD120 / 260

Note: Standard



**Punched plate**  
Car Carrier  
HD120 / 260

Note: Standard



**Oil tank**  
Car Carrier  
HD120 / 260  
Capacity : 46L

Note: Standard



**Cap-up plate**  
Car Carrier  
HD120 / 260

Note: Standard



**Trailer**  
Car Carrier  
HD260

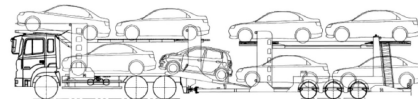
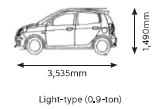
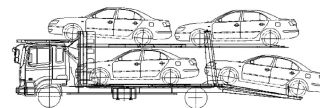
Note: Option 1

### Option 1

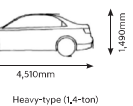
- Only mounted to HD260 Medium (cannot be mounted to other vehicle types).
- Applied systems: WABCO ABS, Air Suspension System, Parking Brake System.

### Car Carrier

### Car Carrier Reference



HD260 Medium / Trailer



82\_Hyundai Special Vehicle

Hyundai Special Vehicle\_83

## Troop Transport Truck



- Cargo deck installation is required in order to manufacture a troop transporter.
- 3-color camouflage paint is also possible. Kindly contact the Special Vehicle Team.

Line up & Deck Size (inner)	
HD65	4,310 x 1,920 x 1,650
HD72/78	4,850 x 2,060 x 1,650
HD120	5,300 x 2,280 x 1,800

## Safety Loader



- Standard Cab is the standard spec but the loader is also available as a Super Cab, however, this decreases the deck length by about 200mm
- A winch can also be mounted between the deck and cab (however, this is affected by the deck type and nature of the job. Please contact the Special Vehicle Team.
- PTO is a mandatory option when ordering safety loaders



Model	HD72/78	HD120
Deck Size (mm) L x W x H	4,700 x 2,200 x 80	5,300 x 2,300 x 80
Loading Capa (kg)	2,300	3,500
Winch Capa (kg)	2,000	5,400
Slope Angle (°)	13	10-13

## Body



## Removable fabric tent

Troop transport truck  
HD65 ~ HD120  
\* Water proof  
Note: Standard



## Aptong wood floor

Troop transport truck  
HD65 ~ HD120  
Note: Standard



## Folding bench (wood)

Troop transport truck  
HD65 ~ HD120  
Note: Standard



## Pintle hook

Troop transport truck  
HD65 ~ HD120  
Note: Standard

## Body



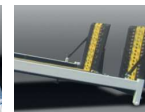
## Deck

Safety loader  
HD72 / 120  
\* Sliding type  
Note: Standard



## Winch

Safety loader  
HD72 / 120  
\* HD72 : 2.5ton Grade  
HD120 : 5ton Grade  
Note: Standard



## Manual folding ramp

Safety loader  
HD72 / 120  
Note: Standard



## Working lamp

Safety loader  
HD72 / 120  
Note: Standard

## Special Transport

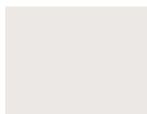
## Safety Loader

## Body



## Manual control

Safety loader  
HD72 / 120  
Note: Standard



## Deck-type change

Safety loader  
HD72 / 120  
Note: Option 1



## Slide-out ramp step

Safety loader  
HD72 / 120  
Auto Type  
Note: Option 2



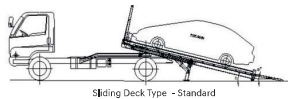
## Rectangular warning lamp

Safety loader  
HD72 / 120  
Note: Option 3

## Option 1

- The type of deck can be changed according to customer requests or local requirements,

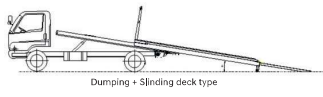
Standard : Low cost, simple structure, easy maintenance.



Sliding Deck Type - Standard



Dumping Deck (Option) : Excellent load capacity and especially suitable for transport of heavy goods.



Dumping + Sliding deck type



Low Approach Deck (Option) : Suitable for transportation of sports cars and other vehicles with a low approach angle and small ground clearance.

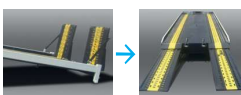


Low Approach + Sliding deck Type



## Option 2

- In-sliding automatic-type ramp replaces the standard manual-type ramp
- A wireless remote controller is included



Standard ramp (manual-type)

In-sliding ramp (auto-type)

## Underlift Truck

- For HD120 / 260 inquiries please contact the Special Vehicle Team



## Underlift Truck Reference



## Underlift system

Underlift  
HD72  
\* Loading Capa.: 1,100kg  
Note: Standard



## Round lamp

Underlift  
HD72  
\* Warning / Working lamp  
Note: Standard



## Tool box

Underlift  
HD72  
Note: Standard



## Controller

Underlift  
HD72  
Note: Standard



## Tire locking (auto)

Safety loader  
HD72 / 120  
Note: Standard



## Assistance winch

Underlift  
HD72  
\* Loading Capacity 2000kg  
Note: Option 1



## Dolly

Underlift  
HD72  
Note: Option 2

## Special Transport

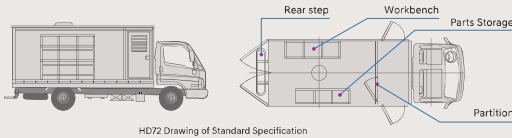
## Mobile Workshop



Lockable type parts storage-opt.

- For HD72~120, only box sizes are different; tool list/equipment list are identical
- For HD65 / 72, workbench/parts storage differ in size (lockable storage is possible)
- For HD160 and above, it is manufactured according to box size and tool /equipment list can be changed
- For HD45/65, it is not possible to select a generator

- For HD45/65, some related tools/equipment are not included, as it is not possible to select a generator (Items not included: Tool box, welder, tanks and gauges for O<sub>2</sub> and acetylene, angle grinder, electric wire reel, etc).
- The diesel generator cannot be mounted
- The engine generator can be used for generators with large capacity (20KVA or more) (however, it should be mounted on HD160 and above)
- Only the van box can be manufactured, other than the optional tools/equipment the bench and parts storage are included as standard.
- Types of tools/equipments can be selected at the customer's request.
- Parts storage lockers are normally manufactured as 3 x 4, and final sizing is adjustable according to box size
- Optional air conditioner (loop mounted type) can be mounted (kindly contact the Special Vehicle Team)



HD72 Drawing of Standard Specification

88\_Hyundai Special Vehicle

## Body



**Van box**  
Mobile workshop  
HD 65 / 72 / 120  
\* Base on Dry Van Size  
Box Size (L x W x H):  
HD65 : 4,270 x 1,920 x 1,850  
HD72 : 4,800 x 2,100 x 1,850  
HD120 : 5,250 x 2,100 x 2,000  
Note: Standard



**Apitong floor**  
Mobile workshop  
HD 65 / 72 / 120  
Note: Standard



**Workbench**  
Mobile workshop  
HD 65 / 72 / 120  
Material: SUS304  
Note: Standard



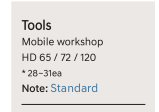
**Parts storage**  
Mobile workshop  
HD 65 / 72 / 120  
Material: SUS304  
Number of storage : 4 x 3  
Note: Standard



**Side door**  
Mobile workshop  
HD 65 / 72 / 120  
Each Side (RH/LH)  
Note: Standard



**Rear step**  
Mobile workshop  
HD 65 / 72 / 120  
Note: Standard



**Tools**  
Mobile workshop  
HD 65 / 72 / 120  
\* 28~31ea  
Note: Standard



**Equipments**  
Mobile workshop  
HD 65 / 72 / 120  
\* 16~22ea  
Note: Standard

## Available Tool List

	No.	HD65	HD72 / 120	REMARKS
Tool	1		Hydraulic Jack	10Ton
	2		Oil Jack	15Ton
	3		Socket Wrench Set	1/2", 3/8"
	4		Offset Wrench Set	6 Pieces
	5		Open Wrench Set	6 Pieces
	6		Adjustable Wrench	4, 8, 12, 6"
	7		Ratchet Handle Wrench Set	1/2", 3/8"
	8		Hex Wrench Set	10 Pieces
	9		Pipe Wrench	18"
	10		Ball Pein Hammer	BH-20T / 15T / 10T
	11		Combination Pliers	8"
	12		Side Cutting Pliers	8"
	13		Long Nose Pliers	6"
	14		Vice Pliers	10WVR
	15		Screw Driver Set(+,-)	Pd-8(8PCS)
	16		Soft Rope	Length 75*10m
	17		Air Impact Socket Set	1", 3/4", 1/2", 3/8"
	18		Heavy Duty Box Set	1", 3/4"
	19		Air Drill	KPT-68

Hyundai Special Vehicle\_89

## Special Transport

## Available Tool List

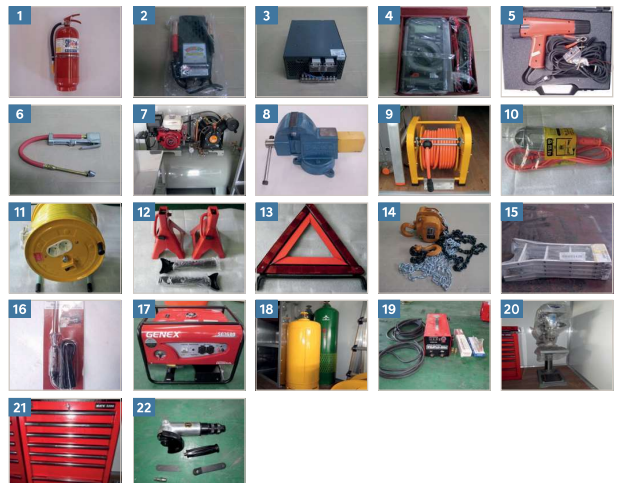
	No.	HD65	HD72 / 120	REMARKS
	20		Vernier Calipers	300mm
	21		Convex Rule	10m
	22		File Set	10PC
	23		Impact Adapter Set	
	24		Grease Gun	1,000mm
	25		Jumper Cables	
	26		Air Reel	RA-1130B
	27		Gas Reel	RGA-620
	28		Cutter	420mm
	29	-	Welder	
	30	-	Acetylene Gauge	DK-303
	31	-	O <sub>2</sub> Gauge	DK-301



90\_Hyundai Special Vehicle

## Optional Equipment

	No.	HD65	HD72 / 120	REMARKS
Equipment	1		Fire Extinguisher	
	2		Battery Tester	
	3		Power Supply	
	4		Multi-Tester	
	5		Diesel Timing Light	
	6		Tire Pressure Gauge	
	7		Air Compressor	
	8		Bench Vise	
	9		Air Hose	
	10		Working Lamp Stand	
	11		Electric Wire Reel	
	12		Safety Prop	
	13		Out-Of-Order Sign Marker	
	14		Manual Hoist	
	15		Ladder	
	16		Test Lamp	
	17	-	Generator(Gasoline)	
	18	-	OX, Ac (Tank)	
	19	-	Electric Welder	
	20	-	Bench Drill M/C	
	21	-	Tool Box	
	22	-	Angle Grinder	



Hyundai Special Vehicle\_91



# BUS Standard Specifications

BUS

## Wheelchair Lift

Model	COUNTY	Aeratown (33+1 or 37+1)	Aerocity (Inter city 45+1)	Universe (45+1)
Wheelbase (mm)	Long (4,085)	Long (4,390)	-	-
Deck (mm)	Length	7,085	8,990	10,955
	Width	2,035	2,290	2,490
	Height	2,755	3,125	3,180
Passenger	13+1	25+1	37+1	37+1
	Standard Wheelchair	3	1	1
	Max.	4 Wheelchairs	4 Wheelchairs	6 Wheelchairs
Lift Type	On floor (Rear door)	On floor (Side door)	On floor (Side door)	On floor (Side door)
	-	In sliding (Side door)	In sliding (Side door)	In sliding (Side door)

## County Extra Long Body

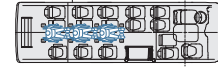
Model	County	
Wheelbase (mm)	Long (4,085)	
TYPE	Type A (Jumper)	Type A (2 x 2)
Overall (mm)	Length	7,480
	Width	2,035
	Height	2,755
Seat	Fixed	25+1
	Foldable	8

\* Above specifications are subject to change without prior notice.

# Wheelchair Lift Bus



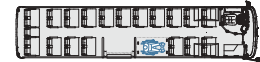
County Standard  
- Max.: 4 wheelchairs



Aeratown Standard  
- Max.: 6 wheelchairs



Aerocity Standard  
- Max.: 6 wheelchairs



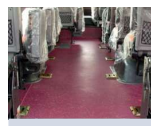
Universe Standard  
- Max.: 6, 8 wheelchairs



※ Wheelchair space can be added. For the detail layout, please contact Special Vehicle Team

## Bus

### Body



**Wheelchair anchoring device**  
Wheelchair lift  
County  
\* 3 sets for 3 disabled person  
**Note: Standard**



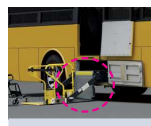
**Wheelchair anchoring device**  
Wheelchair lift  
A/town, A/city, Universe  
\* 1 set for 1 disabled person  
\* Detachable  
**Note: Standard**



**Wheelchair lift (on-floor type)**  
Wheelchair lift  
County  
\* Include Non-slip Tape / Remote controller  
**Note: Standard**



**Wheelchair lift (on-floor type)**  
Wheelchair lift  
A/town, A/city, Universe  
\* Include Non-slip Tape / Remote controller  
**Note: Standard**



**Wheelchair Lift (in-sliding type)**  
Wheelchair lift  
A/town, A/city, Universe  
\* Include Non-slip Tape / Remote controller  
**Note: Standard**



**Non-slip tape**  
Wheelchair lift  
A/town, A/city, Universe  
**Note: Standard**



**Remote controller (in-sliding type)**  
Wheelchair lift  
A/town, A/city, Universe  
**Note: Standard**



**Remote controller (in-sliding type)**  
Wheelchair lift  
County, A/town, A/city, Universe  
**Note: Standard**



**Emergency button**  
Wheelchair lift  
County, A/town, A/city, Universe  
**Note: Standard**



**Extra wheelchair anchor**  
Wheelchair lift  
County  
**Note: Option 1**



**Extra wheelchair anchor**  
Wheelchair lift  
A/town, A/city, Universe  
**Note: Option 1**

### Option 1

Unit: Wheelchair anchoring sets

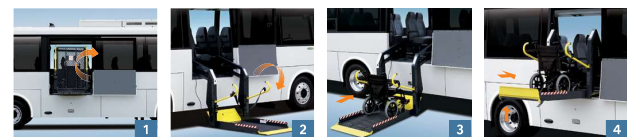
	Standard	Max.
County	3	3
Aeratown	1	4
A/city	1	6
UNIVERSE	1	6 (8)

## Wheelchair Lift Bus

## Wheelchair Lift Operation Modes



County



On-Floor: Aeratown, Aerocity, Universe



In-Sliding: Aeratown, Aerocity, Universe

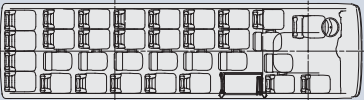
COUNTY		AEROTOWN		AEROCITY		UNIVERSE (Noble)	
Wheelchair	Seats	Wheelchair	Seats	Wheelchair	Seats	Wheelchair	Seats
		1	25+1	1	37+1	1	37+1
		2	21+1	2	33+1	2	33+1
3	16+1	3	21+1	3	33+1	3	33+1
4	3+1	4	21+1	4	33+1	4	33+1
				5	29+1	5	29+1
				6	25+1	6	25+1
						7 (Noble)	25+1
						8 (Noble)	25+1

County Extra Long Body

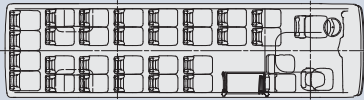


	Basic	Extended
W.B	4,085	4,085
O.A.L	7,080	7,480
R.O.H	1,805	2,205

- Extra long body uses the same parts as standard County with a 400mm extension (frame / floor frame / side rail etc)
- Quality of the single-piece glass and inside trim of Extra Long Body is equivalent to original County as identical manufacturing processes are used for both models



A-type



B-type

	Body Extension	
	Type A(Jumper)	Type B(2x2)
	33+1	32+1
Fixed seat	25+1 (Driver)	30+1 (Driver)
Assistance seat	8	2