

## 1. Dimension, Weights

ITEM		MODEL	HD72											
Cab	Width		Wide							Wide				
	Length		Standard							Super				
Deck Height			High Deck							High Deck				
Wheel Base			Short				Long			Long				
Drive System			4 x 2							4 x 2				
Application Engines			D4AL	D4DC	D4DB-d	D4DB	D4AL	D4DC	D4DB-d	D4DB	D4AL	D4DC	D4DB-d	D4DB
<b>Dimensions</b>		<b>(mm)</b>												
Wheel Base			2,750				3,735			3,735				
Overall (Cargo)	Length		5,245				6,715			6,715				
	Width		2,030				2,170			2,170				
	Height		2,335				2,355			2,355				
Overall (C/Cab)	Length		5,165				6,520			6,520				
	Width		2,000				2,000			2,000				
	Height		2,215				2,215			2,215				
Wheel Tread	Front		1,650				1,650			1,650				
	Rear		1,495				1,495			1,495				
Overhang (Cargo)	Front		1,120				1,120			1,120				
	Rear		1,375				1,860			1,860				
Overhang (C/Cab)	Front		1,120				1,120			1,120				
	Rear		1,295				1,665			1,665				
Deck size	Length		3,410				4,880			4,580				
	Width		1,920				2,060			2,060				
	Height		380				380			380				
	Floor Height		1,060				1,060			1,060				
Body Offset			385				635			485				
C.A (Cab to rear axle)			2,210				3,195			2,895				
C.E (Cab to end of frame)			3,505				4,860			4,560				
Min. Ground Clearance			235				235			235				
<b>Weight</b>		<b>(kg)</b>												
Empty Vehicle Weight (Cargo)			2,900		2,955		3,060		3,115		3,055		3,110	
	Front		1,620		1,655		1,695		1,730		1,665		1,700	
	Rear		1,280		1,300		1,365		1,385		1,390		1,410	
Curb Weight (Chassis & Cab)			2,450		2,495		2,475		2,520		2,495		2,540	
	Front		1,540		1,570		1,590		1,620		1,590		1,620	
	Rear		910		925		885		900		905		920	
** Max. Gross Vehicle Weight			7,200											
	Front									2,600				
	Rear									4,600				

\*\* Max. GVW includes the front & rear axle loads based on the permissible tire load.

## 2. Performance

ITEM	MODEL	HD72 (LHD/RHD)											
		D4AL	D4DC	D4DB-d	D4DB	D4AL	D4DC	D4DB-d	D4DB	D4AL	D4DC	D4DB-d	D4DB
Application Engines													
<b>Calculated Performance</b>													
Max. Speed	km/h	105	103	110	128	105	103	110	113	105	103	110	128
Max. Gradeability	tan $\theta$	0.35	0.32	0.36	0.37	0.35	0.32	0.36	0.37	0.35	0.32	0.36	0.37
Min. Turning Radius	m	5.0				7.3				7.3			

## 3. Chassis

ITEM	MODEL	HD72			
		D4DC	D4AL	D4DB-d	D4DB
<b>Engine</b>					
Model		D4DC	D4AL	D4DB-d	D4DB
Type		Natural Aspiration	Turbo Charger Intercooler		
		4 stroke-cycle, water-cooled, direct-injection diesel engine			
Number of Cylinder		4 in-line			
Piston Displacement (cc)		3,907	3,298	3,907	
Bore x Stroke (mm)		104 x 115	100 x 105	104 x 115	
Compression Ratio		18.1 : 1	16.5 : 1	18 : 1	18 : 1
Max. Power** (ps/rpm)	General	-	-	-	-
	Euro I	120/3200	115 / 3,400	-	155(Gen),130(Tropic/Cold)/2,900
	Euro II	-	-	120 / 2,900	130 / 2,900
Max. Torque** (kg.m/rpm)	General	-	-	-	-
	Euro I	30/2000	29 / 2,000	-	38 / 1,800
	Euro II	-	-	30 / 2,000	38 / 1,800
Cooling System	General	Wax-pellet & bottom bypass type with thermostat , Water-cooling , Forced circulation by centrifugal water pump			
	Cooling fan	Polyamid & Suction type			
	Radiator	Corrugated fin and tube type with pressure cap and condenser tank			
Electrical System	Battery	MF 90AH			
	Alternator	24V-40A			
	Starter	24V-5.0KW			
Fuel System	Injection pump	DooWon in-line type			
	Governor	All speed type			
	Fuel filter	Spin-on type			
Oil System	Lubrication	Forced lubrication by gear pump			
	Oil filter	Combination (Full flow and bypass) filter with paper element			
	Oil cooler	Shell-and-plate type	Shell-and-tube type	Shell-and-plate type	
	Oil grade	API classification service CF-4 or above			
Air cleaner		Cyclonic dry paper element			
Valve System		Single Overhead Valve , Two valves per cylinder			

\*\* Max. Power and Torque of engine may vary according to each country.

## 3. Chassis

ITEM	MODEL	HD72			
Engine		<b>D4DC</b>	<b>D4AL</b>	<b>D4DB-d</b>	<b>D4DB</b>
<b>Clutch</b>					
Type	Hydraulic control , Diaphragm spring , Single dry plate, Pre-Damper				
Facing material	Non-Asbestos				
Facing Size (mm); Outside dia x Inside dia.	ø275 x ø180			ø300 x ø190	
<b>Transmission</b>					
Model	<b>M3S5 / CA5-38HA (Over Drive)</b>			<b>M035S5 / CA5-38HC (Over Drive)</b>	
Type	<b>5 forward and 1 reverse speed ,</b> 1st to 5th synchromesh, reverse constant-mesh gears (M3S5 & M035S5) 2nd to 5th synchromesh, 1st & reverse constant-mesh gears (CA5-38HA & CA5-38HC)				
Gear Ratio	1st	5.181 / 5.591		5.380 / 5.591	
	2nd	2.865 / 2.870		3.208 / 2.870	
	3rd	1.593 / 1.607		1.700 / 1.607	
	4th	1.000 / 1.000		1.000 / 1.000	
	5th	0.739 / 0.742		0.722 / 0.742	
	Reverse	5.181 / 5.045		5.380 / 5.045	
Gear Oil	API classification service GL-3 or SAE classification service 80W (90 ;Tropical zones only)				
T.G.S. (Transmission Gear Shift)	Floor shift , Mechanical remote control				
<b>Propellershaft</b>					
Model	<b>P3</b>				
Type	Tubular, Forged steel ends				
Size (Tube diameter x Thickness)	ø76.2 x 2.6 t				
<b>Rear Axle</b>					
Model	<b>D3H</b>			<b>D033H</b>	
Type	Full floating type				
Capacity	kg	4,600			
Final Reduction Gear	Type	Single Reduction , Hypoid gear			
	G/Ratio	5.714/6.166/6.666	6.666/6.166		5.428
Gear Oil	API classification service GL-5 and SAE classification service 80W/90 (85W/140 ;Tropical zones only)				
<b>Front Axle</b>					
Type	Reverse Elliot type " I " beam				
Capacity	kg	2,600			
<b>Tire &amp; Wheel</b>					
Type	Single Front , Dual Rear				
Tire	Front	<b>7.50R x 16 - 12 PR / (OPT:14 PR)</b>			
	Rear				
Wheel	Front	6.00 GS x 16 SDC-127			
	Rear				

## 3. Chassis

ITEM	MODEL	HD72	
<b>Steering</b>			
Type	2-Spoke, Ball-nut type, Tilt & Telescopic steering column		
Steering Wheel Diameter (mm)	Manual	410	
	Power	410	
Tilting Angle	55.5° ~ 62.2°		
Telescopic Stroke (mm)	23.6		
Overall Steering Gear Ratio	Manual	26.5 ~ 30	
	Power	22.6	
Turning Angle	Inner	43°	
	Outer	32°	
<b>Brake</b>			
Service Brake	Actuation	Hydraulic with vacuum servo assistance, dual circuit	
	Size (mm)	Front	Drum diameter x Lining width x Lining thickness : $\varnothing 320 \times 85 \times 10$ ( $\varnothing 320 \times 110 \times 11$ : OPT)
		Rear	
	Vacuum reservoir	7 ℓ	
Adjuster	Auto adjuster (OPT)		
Parking Brake	Actuation	Internal expanding type on propellarshaft at the rear of transmission assy	
	Size (mm)	Drum diameter x Lining width x Lining thickness : $\varnothing 180 \times 35 \times 5$ (D4AL, D4DC) $\varnothing 190 \times 45 \times 4$ (D4DB-d, D4DB)	
Exhaust Brake	Vacuum operated, butterfly valve type (OPT)		
<b>Suspension</b>			
Type	Front / Rear	Semi-elliptic, laminated leaf springs with shock absorber	
Spring Size (Length x Width x Thickness- Number of leaves)	Front	1,200 x 70 x 11t-2, 10t-4(LH) & 1,200 x 70 x 11t-3, 10t-3(RH)	
	Size (mm)	Main	1,250 x 70 x 10 t-1 + 11t-5
		Helper	990 x 70 x 11 t - 2, 12t-2
Shock absorber	Hydraulic double acting telescopic type on the front & rear axles		
<b>Cooling system</b>			
Radiator	Tube-and-Corrugated fin type		
	Rows of tubes	2	
	Core size (mm)	Width x Height x Thickness ; 534 x 570 x 42	
Cooling Fan	Fixed or Auto clutched type		
<b>Air intake system</b>			
General	Snorkel type at the rear of cab (right or left side)		
Air cleaner type	Dry Paper type		
Air cleaner position	At the rear of cab (right or left side)		
<b>Exhaust system</b>			
General	Conventional (horizontal) type muffler		
Tail pipe	Droptail type, blowing to chassis rearward		
<b>Fuel tank</b>			
Capacity	100 liter		
Material	Steel		
<b>Frame</b>			
Type	"H" type frame with channel sectional side rail & cross members , side rail is reinforced with outer stiffeners		
Main section side rail dimension	mm	Depth x Flange x Thickness : 193 x 60 x 6 t	

**4. Electrical system**

ITEM	MODEL	HD72
<b>Electrical Equipments</b>		
Head lamps		MFR Type (Semi-Sealed Type for RHD models)
Front combination lamps		Turn signal / Hazard-Amber , Position - White
Fog lamps		White (Yellow : RHD)
Rear combination lamps		Turn signal / Hazard-Amber , Tail / Stop - Red
License plate lamp		White
Back-up lamp		White
<b>Instruments</b>		
Meter Cluster		Fixed type
Meter		Speedometer with odometer & trip counter /
		Combined meter included fuel & water temperature gauges
Warning lamps & indicators		Brake fluid level of reservoir / Parking brake / Oil pressure / Battery charge
		Tell-tale lights for head light high beam / Turn signals / Door open(DLX Only)
Horn		Exhaust Brake / Seat belt
		Single , electric type

**5. Body**

ITEM	MODEL	HD72
<b>Cab</b>		
Type		Tilt type with torsion bars, all steel welded construction with safety zone design
Mounting		Rigid or Semi floating type
Windshield		One piece type with laminated glass
Windshield Wipers		Dual electric three speed (intermittent / low / fast) wipers & washer
Driver's Seat		Urethane foam cushioned adjustable to the front & rear / reclining , semi cloth or simulated leather material
Assistant's Seat		Bench seat , Semi cloth(DLX), Simulated leather material(STD)
<b>Body type</b>		
General		Wooden body reinforced by steel structure
Floor	cross sill	Steel square tube
	board	Wood plate (Apton)
	frame	Bended steel (Angle)
Guard frame		Bended steel structure
Side & Rear gate		Steel panel

**Annotations**

- 1) Empty vehicle weight and curb weight shown are to 3.5% variation to allow for production tolerance.
- 2) Empty vehicle weight and curb weight include weight of oil, fuel, coolant and spare tire carrier & bracket, spare tire but exclude standard tool set.
- 3) The vehicle specifications may differ per country.
- 4) Hyundai motor company reserves the right to alter the specifications, equipment or options or discontinue the models at any time without prior notice.