

1. Dimension, Weights

ITEM		MODEL	HD72 Dump			
Cab	Width		Wide Cab			
	Length		Standard			
Deck Height			High Deck			
Wheel Base			Short			
Drive System			4 x 2			
Application Engines			D4DC	D4AL	D4DB-d	D4DB
Dimensions		mm				
Wheel Base			2,750			
Overall	Length		5,175			
	Width		2,060			
	Height		2,290			
Wheel Tread	Front		1,650			
	Rear		1,495			
Overhang (Body)	Front		1,120			
	Rear		1,305			
Deck size	Length		3,200			
	Width		1,900			
	Height		385			
Body Offset			355			
Min.Ground Clearance			235			
Weight		kg				
Empty Vehicle Weight			3,315	3,390	3,430	3,440
	Front		1,650	1,715	1,750	1,775
	Rear		1,665	1,675	1,680	1,685
** 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 DUMP			
Application Engines			D4DC	D4AL	D4DB-d	D4DB
Calculated Performance						
Max. Speed	km/h		101	107	110	126
Max. Gradeability	tan θ		0.29	0.31	0.36	0.35
Min. Turning Radius	m		5.0			

3. Chassis

ITEM		MODEL	HD72 DUMP				
Engine							
Model		D4DC	D4AL	D4DB-d	D4DB		
Type		Natural Aspiration	Turbo Charger Intercooler				
Number of Cylinder		4 stroke-cycle, water-cooled, direct-injection diesel engine				4 in-line	
Piston Displacement (cc)		3,907	3,298	3,907	3,907		
Bore x Stroke (mm)		104 x 115	100 x 105	104 x 115	104 x 115		
Compression Ratio		18.1 : 1	16.5 : 1	18.1 : 1	18.1 : 1		
Max. Power** (ps/rpm)	General	-	-	-	-		
	Euro I	120/3,200	115 / 3,400	-	155(Gen), 130(Tropical Cold)/2,900		
	Euro II	-	-	120/ 2,900	-		
Max. Torque** (kg.m/rpm)	General	-	-	-	-		
	Euro I	30/2,000	29 / 2,000	-	38/1,800		
	Euro II	-	-	38/1,600	-		
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-5.0 KW					
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						
Transmission							
Model		M3S5 (Over Drive)			M035S5 (Over Drive)		
Type		5 forward and 1 reverse speed , 2nd to 5th synchromesh, 1st & reverse constant-mesh gears					
Gear Ratio	1st	5.181			5.380		
	2nd	2.865			3.028		
	3rd	1.593			1.700		
	4th	1.000			1.000		
	5th	0.739			0.722		
	Reverse	5.181			5.380		
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					

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

3. Chassis

ITEM	MODEL	HD72 DUMP			
Engine					
Model		D4DC	D4AL	D4DB-d	D4DB
Clutch					
Type	Hydraulic or hydraulic assistant vaccum 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	
Propellershaft					
Model	P3				
Type	Tubuler, Forged steel ends				
Size (Tube diameter x Thickness)	ø 76.2 x 2.6 t				
Rear Axle					
Model	D3H			D033H	
Type	Full floating type				
Capacity	kg	4,600			
Final Reduction Gear	Type	Single Reduction , Hypoid gear			
	G/Ratio	6.666			5.428
Gear Oil	API classification service GL-5 and SAE classification service 80W/90 (85W/140 ;Tropical zones only)				
Front Axle					
Type	Reverse Elliot type " I " beam				
Capacity	kg	2,600			
Tire & Wheel					
Type	Single Front , Dual Rear				
Tire	Front	7.50R x 16 - 14 PR			
	Rear				
Wheel	Front	6.00 GS x 16 SDC-127			
	Rear				
Steering					
Type	2-Spoke, Ball-nut type, Tilt & Telescopic steering column				
Steering Wheel Diameter (mm)	Manual	-			
	Power	410			
Tilting Angle	55.5° ~ 62.2°				
Telescopic Stroke	mm	23.6			
Overall Steering Gear Ratio	Manual	-			
	Power	22.6			
Turning Angle	Inner	43 °			
	Outer	32 °			
Suspension					
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)			
	Rear	Main	1,250 x 70 x 10t-1 + 11 t-5		
		Helper	990 x 70 x 11t-2 + 12t-2		
Shock absorber	Hydraulic double acting telescopic type on the front & rear axles				

3. Chassis

ITEM	MODEL	HD72 DUMP			
Engine					
Model		D4DC	D4AL	D4DB-d	D4DB
Brake					
Service Brake	Actuation		Hydraulic with vacuum servo assistance, dual circuit		
	Size (mm)	Front	Drum diameter x Lining width x Lining thickness : $\phi 320 \times 85 \times 10$		
		Rear	$(\phi 320 \times 110 \times 11 : OPT)$		
	Vacuum reservoir		7 ℓ		
	Total lining area		2,183.8 cm ²		
Adjuster		Auto adjuster			
Parking Brake	Actuation		Internal expanding type on propellar shaft at the rear of transmission assy		
	Size (mm)		Drum diameter x Lining width x Lining thickness : $\phi 180 \times 35 \times 5$ (D4AL, D4DC) $\phi 190 \times 45 \times 4$ (D4DB, D4DB-d)		
	Total lining area		132 cm ²		
Exhaust Brake		Vacuum operated, butterfly valve type			
Cooling system					
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			
Air intake system					
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)			
Exhaust system					
General		Conventional (horizontal) type muffler			
Tail pipe		Droptail type, blowing to chassis rearward			
Fuel tank					
Capacity		100 liter			
Material		Steel			
Frame					
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 Dump
Electrical Equipments		
Head lamps		LHD : M.F.R Type , RHD : Semi sealed beam
Front combination lamps		Turn signal / Hazard-Amber , Position - White
Fog lamps		Yellow
Rear combination lamps		Turn signal / Hazard-Amber , Tail / Stop - Red
License plate lamp		White
Back-up lamp		White
Instruments		
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)
		Exhaust Brake / Seat belt
Horn		Single , electric type

5. Body

ITEM	MODEL	HD72 Dump
Cab		
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 front & rear / reclining , semi vinyl material
Assistant's Seat		Bench seat ,Semi Cloth Seat Material
Body type		
General		Steel structure
Dump Volume		2.34 m ³
Dumping Type		Original Marrel Type
Dumping Angle		53 Degree

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.