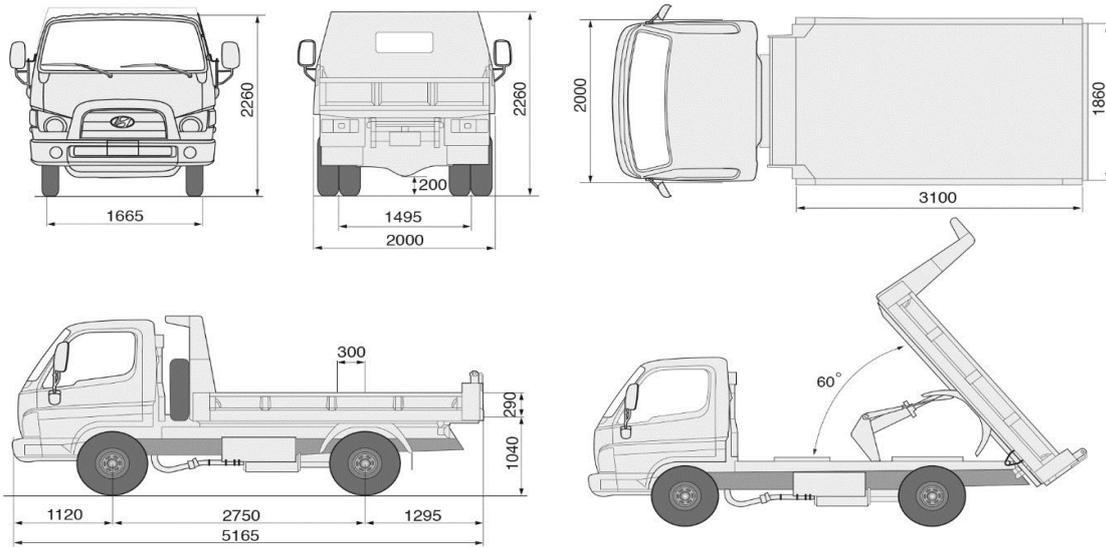


HD65 Dump Wide Short Wheelbase

HYUNDAI HD Series



Vehicle Type		HD65 Dump	
Cab	Width	Wide Cab	Standard
Deck Height	Length	High	Short
Wheel Base		4 X 2	
Drive System			
Application Engines		D4AF / D4AL / D4DB-d / D4DB	D4DD
Dimensions (mm)			
Wheel Base		2,750	2,780
Overall (Dump)	Length	5,165	5,195
	Width		2,000
	Height	2,260	2,315
Wheel Tread	Front / Rear	1,665 / 1,495	
Overhang (Dump)	Front/ Rear	1,120 / 1,295	
	Length	3,100	
Deck size (inner)	Width	1,860	
	Height	290	
	FloorHeight	1,040	1,050
C.A (Cab to rear Axle)		2,210	2,240
C.E (Cab to end of frame)		3,505	3,535
Min. Ground Clearance		200	
Min. Turning Radius	m	5.0	
Weight (kg)			
Dump Weight		3,300	3,310
	Front	1,800	1,805
	Rear	1,500	1,505
** Max Gross Vehicle Weight		6,500	
	Front	2,300	
	Rear	4,200	

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

Chassis Specifications Engine

Engine		D4AF	D4AL	D4DB-d	D4DB	D4DD
Type		Natural Aspiration		Turbo Charger Intercooler		
		4 stroke-cycle, water-cooled, direct-injection diesel engine				
number of Cylinder					4 in-line	
Piston Displacement (cc)		3,568	3,298		3,907	
Bore x Stmke (mm)		104 x 105	100 x 105		104 x 115	
Compression Ratio		18.0 : 1	16.5 : 1		18.0 : 1	17.5 : 1
Max. Power** (ps/rpm)	General	100 / 3,400	-	-	-	-
	Eurol	-	115 / 3,400	-	-	-
	Euroll	-	-	120 / 2,900	130 / 2,900	-
	Euro III	-	-	-	-	140 / 2,800
Max. Torque ** (kg.m/rpm)	General	24 / 2,000	-	-	-	-
	Eurol	-	29 / 2,000	-	-	-
	Euroll	-	-	30 / 2,000	38 / 1,600	-
	Euro III	-	-	-	-	38 / 1,600
Fuel Metering System	Injection pump		In line System			Common Rail System
	Governor		Mechanical Type			Electrical Type by ECU
	Fuel filter System		Spin-on type			
Cooling System	Cooling Fan		Water-Cooling. Forced circulation by centrifugal water pump			
	Radiator System		Auto Clutched Type			
			Corrugated fin and tube type with pressure cap and condenser tank			
Lubrication System	Oil filter		Forced Lubrication Oil by gear pump			
	Oil cooler	Shell & Tube		Full flow filter with paper element		
	Oil grade			Shell & Plate		
	Battery			Forced lubrication by gear pump		
Eletrical System	Alternator		24V-40A (D4AF OPT : 24V-25A)			24V-50A
	Starter			24V-5.0kW		
Timing System			OverHead Valve, 2 Valves per Cylinder			

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

Clutch

Type		Hydraulic Control, Diaphragm spring, Single dry plate, Pre-Damper (D4AF OPT)			
Facing Material		Non-Asbestos			
Facing Size (mm) Outside dia x Inside dia		ø275 x ø175 (STD) ø275 x ø180 (OPT)	ø275x 0180		ø300 x 0190

HYUNDAI HD Series_HD65 Dump

Transmission						
Engine		D4AF	D4AL	D4DB-d	D4DB	D4DD
Model		M2S5		M3S5		M03S5S
Type		5 forward and 1 reverse speed, 1st to 5th synchromesh & reverse constant-mesh gears				
	1st	5.494		5.181		5.380
	2nd	2.836		2.865		3.028
Gear Ratio	3rd	1.592		1.593		1.700
	4th	1.000		1.000		1.000
	5th	0.746		0.739		0.722
	Reverse	5.494		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				
Rear Axle						
Type		Full floating type				
Capacity	kg		4,200			4,400
Final Reduction Gear	Type G/Ratio		Single Reduction, Hypoid gear			
		6.666	5.714 / 6.166			5.000 / 5.428
Front Axle						
Type		Reverse Elliot type " I " beam				
Capacity	kg	2,600				
Tire & Wheel						
Type		Single Front, Dual Rear				
Tire	Front / Rear	7.00R x 16 - 10PR				
Wheel	Front / Rear	5.50 F x 16 SDC-115				
Steering						
Type		2-Spoke, Ball-nut type, Tilt & Telescopic steering column				
Tilting Angle		55.5 ° ~ 62.2 °				
Turning Angle	Inner	38° (Narrow) / 44° (Wide)				
	Outer	29° (Narrow) / 34° (Wide)				
Servie Brake						
Actuation		Hydraulic with vacuum servo assistance, dual circuit				
Size (mm)	Front Rear	Drum diameter x Lining width x Lining thickness : ø320 x 85 x 10				
Adjuster		Auto adjuster (Opt)				

HYUNDAI HD Series_HD65 Dump

Parking Brake

	D4AF	D4AL	D4DB-d	D4DB	D4DD
Engine					
Actuation	Internal expanding type on propellar shaft at the rear of transmission assy				
Size (mm)	ø180 x 35 x 5		ø190 x 45 x 45		

Auxiliary Brake

Exhaust Brake	Vacuum operated, butterfly valve type
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Suspension

Type	Semi-elliptic, laminated leaf springs with shock absorber
Shock absorber	Hydraulic double acting telescopic type on the front & rear axles

Exhaust system

Type	-	DOC
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 : 183 x 60 x 6t

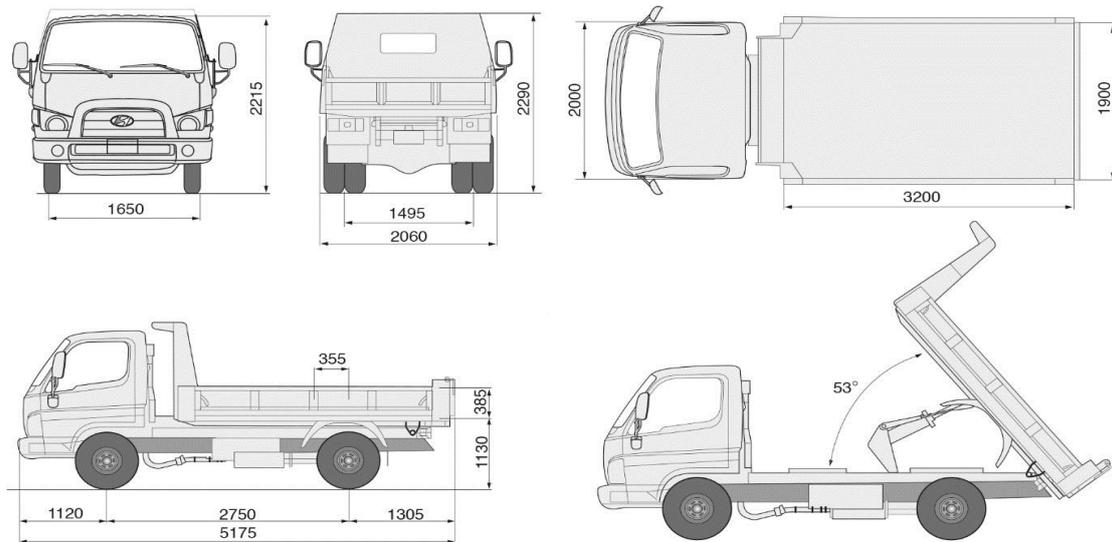
Annotations

- 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.

71 _Hyundai Commercial Vehicle SPECIFICATIONS

HD72 Dump wide Short Wheelbase

HYUNDAI HD Series



Vehicle Type	HD72Dump	
Cab	Width	Wide Cab
	Length	Standard
Deck Height		High
Wheel Base		Short
Drive System		4 X 2
Application Engines	D4DC / D4AL / D4DB-d / D4DB	D4DD
Dimensions (mm)		
Wheel Base	2,750	2,780
Overall (Dump)	Length 5,175	5,205
	Width 2,060	2,060
	Height 2,290	2,290
Wheel Tread	Front / Rear 1,650 / 1,495	1,650 / 1,495
Overhang (Dump)	Front / Rear 1,120 / 1,305	1,120 / 1,305
Deck size (inner)	Length 3,200	3,200
	Width 1,900	1,900
	Height 385	385
	Floor Height 1,130	1,130
C.A (Cab to rear Axle)	2,210	2,24
C.E (Cab to end of frame)	3,505	3,535
Min. Ground Clearance	235	235
Min. Turning Radius	m 5.0	5.0
Weight (kg)		
Dump Weight	3,430	3,440
	Front 1,750	1,775
	Rear 1,680	1,685
** Max Gross Vehicle Weight		7,300
	Front 2,600	
	Rear 4,700	

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

Chassis Specifications

Engine

Engine	D4DC	D4AL	D4DB-d	D4DB	D4DD	
Type	Natural Aspiration	4 stroke-cycle, water-cooled, direct-injection diesel engine				
Number of Cylinder			Turbo Charger Intercooler			
Piston Displacement (cc)	3,907	3,298	4 in-line			
Bore x Stroke (mm)	104 x 105	100 x 105	104 x 115			
Compression Ratio	18.0 : 1	16.5 : 1	18.0 : 1		17.5 : 1	
Max. Power** (ps/rpm)	Euro I	120 / 3,200	115 / 3,400	-	-	
	Euro II	-	-	120 / 2,900	130 / 2,900	
	Euro III	-	-	-	-	140 / 2,800
	Euro I	30 / 2,000	29 / 2,000	-	-	-
Max. Torque ** (kg.m/rpm)	Euro I	-	-	30 / 2,000	38 / 1,800	
	Euro II	-	-	-	-	-
	Euro III	-	-	-	-	38 / 1,600
	Injection pump	In line System			Common Rail System	
Fuel Metering System	Governor	Mechanical Type			Electrical Type by ECU	
	Fuel filter System	Spin-on type				
Cooling System	Cooling Fan	Water-Cooling, Forced circulation by centrifugal water pump				
	Radiator System	Corrugated fin and tube type with pressure cap and condenser tank				
Lubrication System	Oil filter	Forced Lubrication Oil by gear pump				
	Oil cooler	Full flow filter with paper element				
	Oil grade	Shell & Tube	Shell & Plate			
	Battery	CF-4 or above (API Classification)				
Electrical System	Alternator	24V-90AH MF				
	Starter	24V-40A			24V-50A	
Timing System	24V-5.0kW					
	OverHead Valve, 2 Valves per Cylinder					

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

Clutch

Type	Hydraulic Control, Diaphragm spring, Single dry plate, Pre-Damper (D4AF OPT)	
Facing Material	Non-Asbestos	
Facing Size (mm) Outside dia x Inside dia	ø275 x ø180	ø300 x ø190

HYUNDAI HD Series_HD72 Dump

Transmission						
Engine		D4DC	D4AL	D4DB-d	D4DB	D4DD
Model			M3S5		M035S5	
Type		5 forward and 1 reverse speed, 1st to 5th synchromesh & reverse constant-mesh gears				
	1st			5.181		5.380
	2nd			2.865		3.028
Gear Ratio	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				
Rear Axle						
Type		Full floating type				
Capacity	kg	4,700				
Final Reduction Gear	Type G/Ratio	6.666	Single Reduction, Hypoid gear		5.428	
			6.166 / 6.666			
Front Axle						
Type		Reverse Elliot type " I " beam				
Capacity	kg	2,600				
Tire & Wheel						
Type		Single Front, Dual Rear				
Tire	Front / Rear	7.50R x 16 - 10PR				
Wheel	Front/ Rear	6.00GS 16 SDC-127				
Steering						
Type		2-Spoke, Ball-nut type, Tilt & Telescopic steering column				
Tilting Angle		55.5 ° ~ 62.2 °				
Turning Angle	Inner	44 °				
	Outer	34 °				
Servie Brake						
Actuation		Hydraulic with vacuum servo assistance, dual circuit				
Size (mm)	Front Rear	Drum diameter x Lining width x Lining thickness : ø320 x 85 x 10 (OPT : ø320 x 110 x 11)				
Adjuster		Auto adjuster (Opt)				

HYUNDAI HD Series_HD72 Dump

Parking Brake					
Engine	D4DC	D4AL	D4DB-d	D4DB	D4DD
Actuation	Internal expanding type on propellar shaft at the rear of transmission assy				
Size (mm)	ø180 x 35 x 5		ø190 x 45 x 4		
Auxiliary Brake					
Exhaust Brake	Vacuum operated, butterfly valve type				
Suspension					
Type	Semi-elliptic, laminated leaf springs with shock absorber				
Shock absorber	Hydraulic double acting telescopic type on the front & rear axles				
Exhaust system					
Type	-				DOC
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				
Main section side rail dimension (mm)	Depth x Flange x Thickness : 183 x 60 x 6t				

Annotations

- 1) Empty vehicle weight and curb weight shown are to 3.5% variation to allow for production tolerance.
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