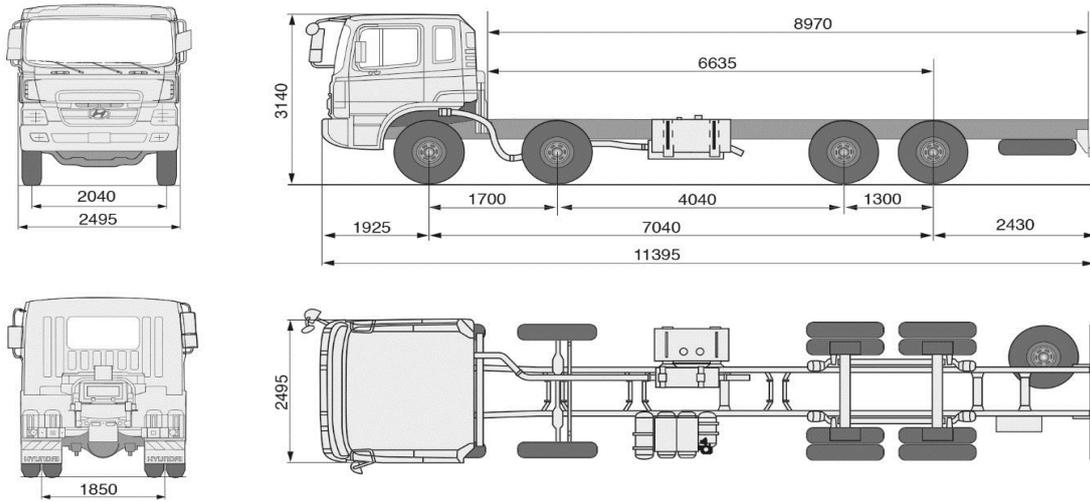


HD310 Cargo Short Wheelbase

HYUNDAI HD Series



Model	HD310	
Vehicle Type	Cargo	
Cab Type	Sleeper Cab	
Wheel Base	Short	
Drive System	LHD, 8 x 4	
Application Engines	D6AC	D6CA3H

Dimensions (mm)

Wheel Base	7,040 (1,700 + 4,040 + 1,300)	
Overall (Chassis Cab)	Length	11,395
	Width	2,495
	Height	3,140
Wheel Tread	Front	2,040
	Rear	1,850
Overhang (Chassis Cab)	Front	1,925
	Rear (Frame)	2,335
C.A (Cab to rear Axle)	6,635	
C.E (Cab to end of frame)	8,970	
Min. Ground Clearance	275	
Min. Turning Radius	m	10.8

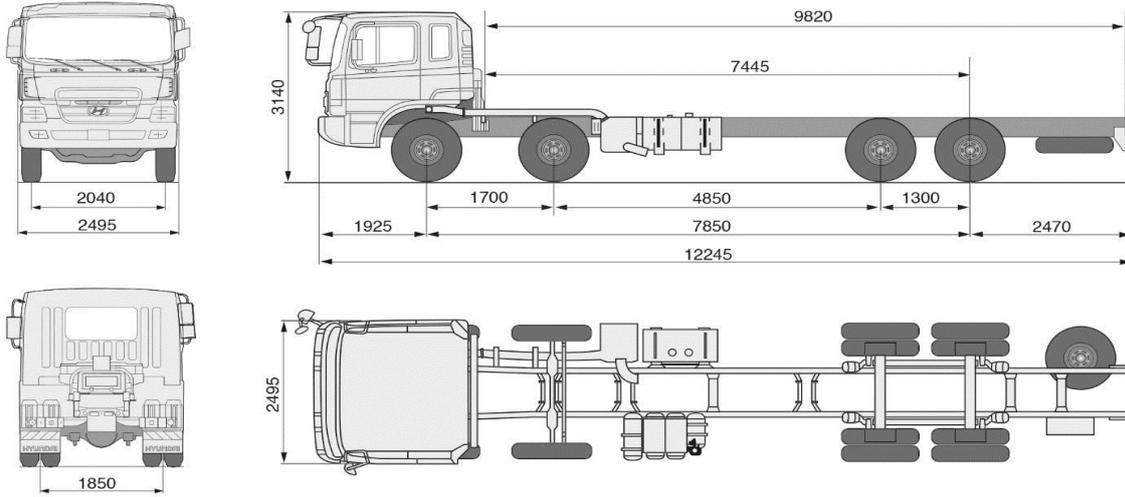
Weight (kg)

Chassis Cab Weight		10,020	10,310
	Front	6,070	6,320
	Rear	3,950	3,990
** Max Gross Vehicle Weight		38,200	
	Front	13,000 (6,500 x 2)	
	Rear	25,200 (12,600 x 2)	

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

HD320 Cargo Extra Long Wheelbase

HYUNDAI HD Series



(D6CA3H)

Model	HD320		
Vehicle Type	Cargo		
Cab Type	Sleeper Cab		
Wheel Base	Extra Long		
Drive System	LHD, 8 x 4		
Application Engines	D6AC		D6CA3H

Dimensions (mm)

Wheel Base	7,850 (1,700 + 4,850 + 1,300)	
Overall (Chassis Cab)	Length	12,245
	Width	2,495
	Height	3,140
Wheel Tread	Front	2,040
	Rear	1,850
Overhang (Chassis Cab)	Front	1,925
	Rear (Frame)	2,375
C.A (Cab to rear Axle)	7,445	
C.E (Cab to end of frame)	9,820	
Min. Ground Clearance	275	
Min. Turning Radius	m 11.7	

Weight (kg)

Chassis Cab Weight		10,220	10,510
	Front	6,225	6,475
	Rear	3,995	4,035
** Max Gross Vehicle Weight		38,200	
	Front	13,000 (6,500 x 2)	
	Rear	25,200 (12,600 x 2)	

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

Chassis Specifications

Engine

Model		HD310		HD320	
Engine		D6AC	D6CA3H	D6AC	D6CA3H
Type		Turbo Charger Intercooler 4 stroke-cycle, water-cooled, direct-injection diesel engine 6 in-line			
number of Cylinder					
Piston Displacement (cc)		11,149	12,920	11,149	12,920
Bore x Stroke (mm)		130x140	133x155	130x140	133x155
Compression Ratio		16.5 : 1	17 : 1	16.5 : 1	17 : 1
Max. Power** (ps/rpm)	Eurol	340 / 2,200	-	340 / 2,200	-
	Euroll	320 / 2,000	380 / 1,900	320 / 2,000	380 / 1,900
Max. Torque ** (kg.m/rpm)	Eurol	140 / 1,400	-	140 / 1,400	-
	Euroll	137 / 1,400	160 / 1,500	137 / 1,400	160 / 1,500
Cooling System	General	Pressure type with thermostat, Forced circulation by centrifugal water pump			
	Radiator	Corrugated fin type with pressure cap and condenser tank			
	Battery	12V x 2, 150 AH at 20 Hr rates			
Electrical System	Alternator	24V-60A	24V-80A	24V-60A	24V-80A
	Starter	24V-5.5kW	24V-6.0kW	24V-5.5kW	24V-6.0kW
	Injection pump	In-line type	Delphi EUI system	In-line type	Delphi EUI system
Fuel System	Governor	All Speed type	Electronic Control	All Speed type	Electronic Control
	Fuel filter	Spin-on type			
	Lubrication	Forced lubrication by gear pump			
Oil System	Oil filter	Full flow and bypass type with paper element			
	Oil cooler	Water cooled, plate fin type			
	Oil grade	API service classification CF-4 or above			
Valve System		Single Overhead Valve, Two valves per cylinder			

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

Clutch

Engine	D6AC	D6CA3H	D6AC	D6CA3H
Type	Hydraulic control with Air pressure assistance, Diaphragm spring, Single dry plate, Pre-Damper			
Facing Material	Non-Asbestos			
Facing Size (mm) Outside dia x Inside dia	ø430 x ø242			

HYUNDAI HD Series_HD310/320 Cargo

Transmission					
Model	HD310		HD320		
Application Engines	D6AC	D6CA3H	D6AC	D6CA3H	
T/M Application	M12S 2X5				
• : STD o : OPT	H160S 2X5				
Model type	M12S 2x5	H160S 2x5	M12S 2x5	H160S 2x5	
Type	10 forward and 2 reverse speed, 2nd to 10th synchromesh, 1st & reverse constant-mesh gears				
Gear Ratio	1st (High / Low)			9.153 / 7.145	
	2nd (High / Low)			4.783 / 3.733	
	3rd (High / Low)			2.765 / 2.158	
	4th (High / Low)			1.666 / 1.301	
	5th (High / Low)			1.000 / 0.780	
	Reverse			8.105 / 6.327	
Gear Oil	API service classification GL5 and SAE service classification 80W/90 (85W/140 : Tropical zones only)				
T.G.S. (Transmission Gear Shift)	Floor shift, Mechanical remote control				

Rear Axle					
Model	D12HT				
Type	Full floating type				
Capacity	kg	26,000 (13,000 x 2)			
Final Reduction Gear	Type	Single Reduction, Hypoid gear			
	G/Ratio	6.166	5.571	6.166	4.333

Front Axle	
Type	Reverse Elliot type " I " beam
Capacity	kg
	6,550 x 2

Tire & Wheel	
Type	Single Front, Dual Rear
Tire	Front / Rear
	12R 22.5 - 16PR
Wheel	Front/ Rear
	8.25T x 22.5-165

Steering	
Type	2-Spoke, Ball-nut type, Tilt & Telescopic steering column
Tilting Angle	9°
Turning Angle	Inner
	Outer
	Front 1st axle 49° / Front 2nd axle 36°
	Front 1st axle 39° / Front 2nd axle 29°

HYUNDAI HD Series_HD310/320 Cargo

Service Brake

		HD310		HD320	
		D6AC	D6CA3H	D6AC	D6CA3H
Engine					
Actuation		Full Air, Dual circuit fixed S cam with spring loaded chambers			
Size (mm)	Front	Drum dia. x Lining width x Lining thickness : $\phi 410 \times 156 \times 19$			
	Rear	Drum dia. x Lining width x Lining thickness : $\phi 410 \times 220 \times 19$			
Total lining area		12,162cm ²			

Parking Brake

Actuation	Spring loaded type chamber on the front wheel and the 1st rear wheel	
Size (mm)	Drum diameter x Lining width x Lining thickness : $\phi 410 \times 220 \times 19$	
Total lining area	7,166cm ²	

Exhaust Brake

Type	Air operated, butterfly valve type
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Jake Brake (Optional)

Type	-	Injection Cam operated type	-	Injection Cam operated type
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Suspension

Type	Front	Semi-elliptic, laminated leaf springs with shackle link (Multi leaf spring)
	Rear	Semi-elliptic, laminated leaf springs with shackle link (Multi leaf spring)
Shock absorber	Hydraulic double acting telescopic type on the front axle	

Exhaust system

General	Conventional (horizontal) type muffler
Tail pipe	Droptail type, blowing to chassis rearward

Fuel tank

Capacity	350 liter (380 liter - OPT)
Material	Steel (Aluminum - OPT)

Frame

Type	"H" type frame with channel sectional side rail & cross members
Main section side rail dimension (mm)	Depth x Flange x Thickness : 302 x 90 x 8t

HYUNDAI HD Series_HD310/320 Cargo

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.