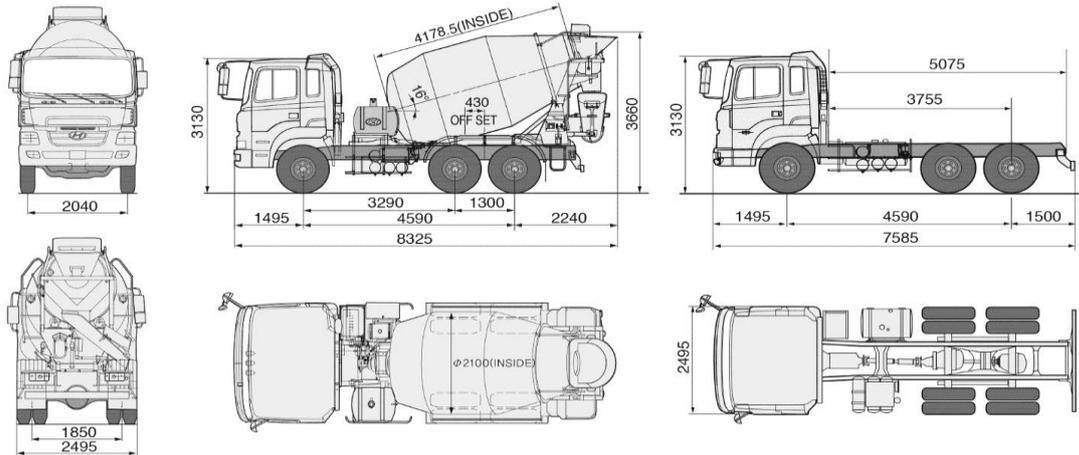


HD270 Mixer Short Wheelbase

HYUNDAI HD Series



Model	HD270
Vehicle Type	Mixer
Cab Type	Sleeper Cab
Wheel Base	Short
Drive System	LHD, 6 x 4
Application Engines	D6CA38

Dimensions (mm)

Wheel Base		4,590
Overall (Mixer)	Length	8,310
	Width	2,495
	Height	3,660
Wheel Tread	Front / Rear	2,040 / 1,850
Overhang (Mixer)	Front/ Rear	1,495 / 2,240
Overhang (Chassis Cab)	Front / Rear	1,495 / 1,320
	Length	4178.5
Drum	Diameter	$\phi 2,100$
	Agitating Capacity	7m ³
	Drum Offset	470
C.A (Cab to rear Axle)		3,755
C.E (Cab to end of frame)		5,075
Min. Ground Clearance		285
Min. Turning Radius	m	7.5

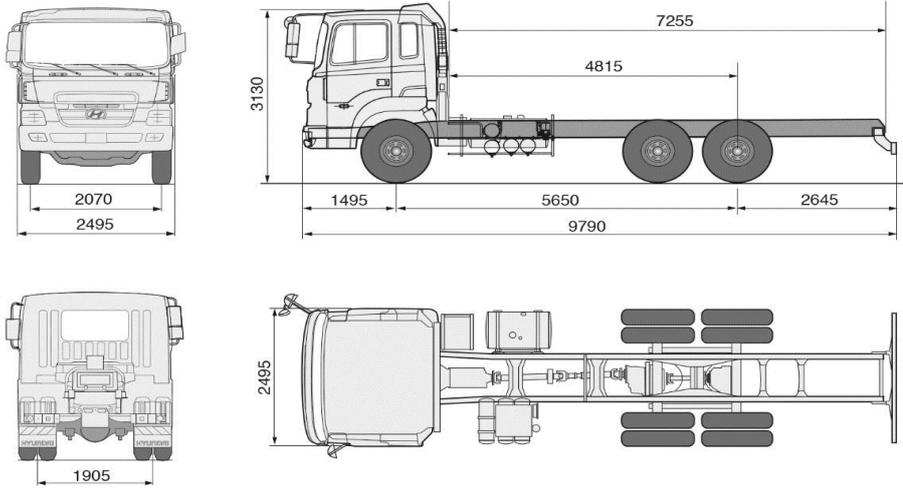
Weight (kg)

Mixer Weight	Front	11,640
	Rear	4,445
** Max Gross Vehicle Weight	Front	7,195
	Rear	32,200
	Front	7,000
	Rear	25,200

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

HD370S Mixer Short Wheelbase

HYUNDAI HD Series



Model	HD370S
Vehicle Type	Mixer
Cab Type	Sleeper Cab
Wheel Base	Short
Drive System	LHD, 6 x 4
Application Engines	D6CA38

Dimensions (mm)

Wheel Base		5,650
Overall	Length	8,115
	Width	2,585
	Height	3,265
Wheel Tread	Front	2,070
	Rear	1,905
Overhang (Chassis Cab)	Front	1,420
	Rear (Frame)	2,440
C.A (Cab to rear Axle)		4,815
C.E (Cab to end of frame)		7,255
Min. Ground Clearance		325
Min. Turning Radius	m	9.6

Weight (kg)

Chassis Cab Weight		9,630
	Front	4,480
	Rear	5,150
** Max Gross Vehicle Weight		38,000
	Front	8,000
	Rear	30,000

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

Chassis Specifications
Engine

Model	HD270	D6CA38	HD370S
Engine			
Type	Turbo Charger Intercooler 4 stroke-cycle, water-cooled, direct-injection diesel engine		
Number of Cylinder	6 in-line		
Piston Displacement (cc)	12,920		
Bore x Stroke (mm)	133 x 155		
Compression Ratio	17 : 1		
Max. Power** (ps/rpm)	Euroll	380 / 1,900	
	Euro III	-	
	Euro IV	-	
	Euroll	148 / 1,500	
Max. Torque ** (kg.m/rpm)	Euro III	-	
	Euro IV	-	
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-80A	
	Starter	24V-6.0kW	
	Injection pump	Delphi EUI system	
Fuel System	Governor	Electronic Control	
	Fuel filter	Spin-on type	
Oil System	Lubrication	Forced lubrication by gear pump	
	Oil filter	Full flow and bypass type with paper element	
	Oil cooler	Water cooled, plate fin type	
Valve System	Oil grade	API service classification CF-4 or above	
		Single Overhead Valve, Two valves per cylinder	

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

Clutch

	HD270	D6CA38	HD370S
Engine			
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		

Transmission				
Model		HD270	HD370S	
Application Engines		D6CA38		
T/M Application	M12S26	•	•	
• : STD	H160S 2X5	o		
o : OPT	ZF16S151		o	
Model		M12S6 (Over Drive)	H160S 2x5	ZF16S151
Type		6 forward and 1 reverse speed, 2nd to 6th synchromesh, 1st & reverse constant-mesh gears	10 forward and 2 reverse speed, 2nd to 10th synchromesh, 1st & reverse constant-mesh gears	16 forward and 2 reverse speed, 1nd to 16th synchromesh, reverse constant-mesh gears
Gear Ratio	1st (High / Low)	7.213	9.153 / 7.145	13.8 / 11.54
	2nd (High / Low)	4.178	4.783 / 3.733	9.49 / 7.93
	3rd (High / Low)	2.587	2.765 / 2.158	6.35 / 5.46
	4th (High / Low)	1.621	1.666 / 1.301	4.57 / 3.82
	5th (High / Low)	1.000	1.000 / 0.780	3.02 / 2.53
	6th (High / Low)	0.702		2.08 / 1.74
	7th (High / Low)	-		1.43 / 1.20
	8th (High / Low)	-		1.000 / 0.84
	Reverse	7.081	8,105 / 6,327	12.92 / 10.80
Gear Oil		API service classification GL-4 or SAE service classification 80W (90 ; Tropical zones only)		
T.G.S. (Transmission Gear Shift)		Floor shift, Mechanical remote control		
Rear Axle				
Type		Full floating type		
Capacity	kg	11,800 x 2	15,000 x 2	
Final Reduction Gear	Type	Single Reduction, Hypoid gear	HUB Reduction, Hypoid gear	
	G/Ratio	5.571	6.676	
Front Axle				
Type		Reverse Elliot type " I " beam		
Capacity	kg	7,000	8,000	
Tire & Wheel				
Type		Single Front, Dual Rear		
Tire	Front / Rear	12R 22.5 - 16PR	12.00R24-20PR	
Wheel	Front / Rear	8.25T x 22.5-165	8.5V x 24-158 / 8.5V x 24-180	
Steering				
Type		2-Spoke, Ball-nut type, Tilt & Telescopic steering column		
Tilting Angle		9°		
Turning Angle	Inner	49°		
	Outer	35°		

Service Brake

		HD270	D6CA38	HD370S
Model		HD270	D6CA38	HD370S
Engine		D6CA38		
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 : $\phi 410 \times 220 \times 19$	
Compressed air reservoir		120 ℓ		
Total lining area		9,639 cm^2		

Parking Brake

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

Exhaust Brake

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

Type	Injection Cam operated type
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Suspension

Type	Front	Semi-elliptic, laminated leaf springs	Multi-Leaf
	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	200 liter	300, 380 liter (OPT)
Material	Steel (STD), Aluminum (OPT)	

Frame

Type	"H" type frame with channel sectional side rail & cross members, side rail is reinforced with outer stiffeners		
Main side rail (mm)	Depth x Flange x Thickness : 302 x 90 x 8t		
Outer Stiffener (mm)	Depth x Flange x Thickness : 316 x 97 x 7t		

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) For further information please contact the commercial vehicle export teams of HMC.
- 5) In order that product improvement may be introduced at any time, specifications are subject to change without prior notice.