

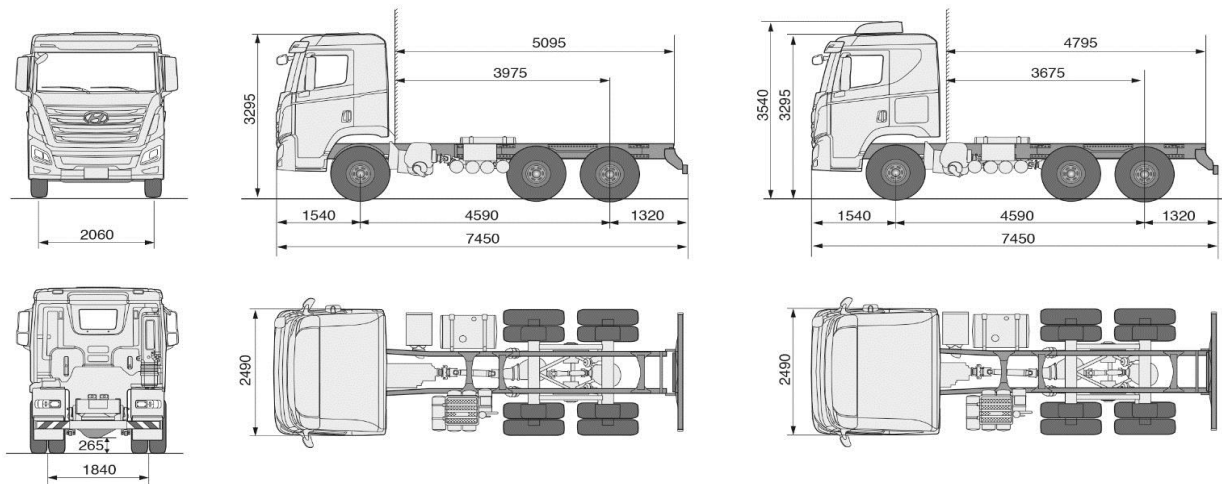
## HYUNDAI XGENT

### Annotations

- 1) Chassis cab weight and curb weight shown are to 3.5% variation to allow for production tolerance.
- 2) Chassis cab 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.

# 310 Dump Short Wheelbase

HYUNDAI XCINT



Day Cab

Sleeper Cab

Model	<b>Q340.310 / H380.310 / H400.310</b>			
Vehicle Type	Dump			
Cab Type	Day / Sleeper			
Wheel Base	Short			
Drive System	LHD / RHD, 6 x 4			
Application Engines	<b>D6AC</b>	<b>D6HB38</b>	<b>D6HA38</b>	<b>D6HA40A</b>

## Dimensions (mm)

Wheel Base		4,590 (3,240 + 1,350)
Overall	Length	7,450
	Width	2,490
	Height	3,295
Wheel Tread	Front	2,060
	Rear	1,840
Overhang	Front	1,540
	Rear	1,120
C.A (Cab to rear Axle)		3,975 / 3,675
C.E (Cab to End of frame)		5,095 / 4,795
Min. Ground Clearance		265
Min. Turning Radius	m	6.4

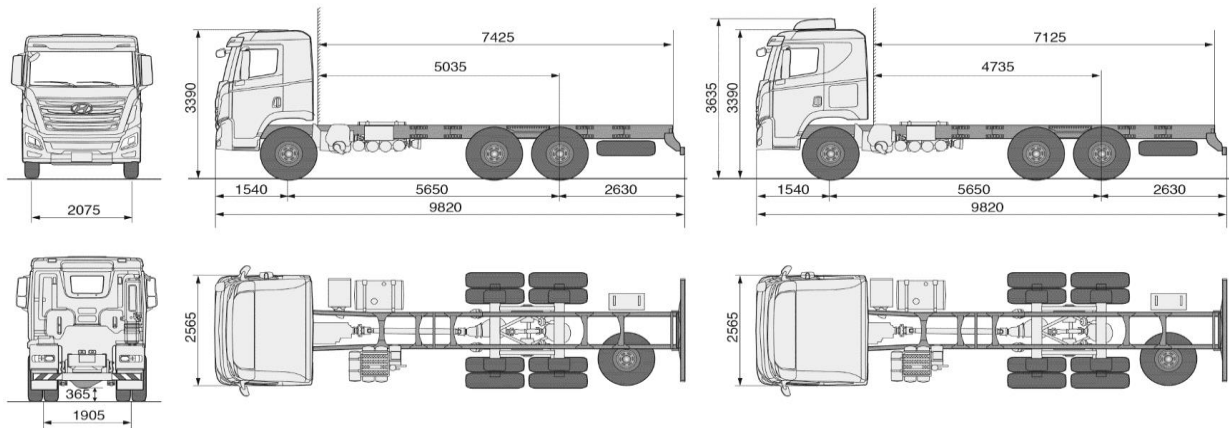
## Weight (kg)

Chassis Cab Weight		8,560 / 8,630	8,660 / 8,730
(Day / Sleeper)	Front	4,810 / 4,870	4,905 / 4,965
	Rear	3,750 / 3,760	3,755 / 3,765
Dump Weight		10,810	10,910
(Sleeper)	Front	5,025	5,130
	Rear	5,785	5,780
** Max Gross Vehicle Weight		32,300	
	Front	7,100	
	Rear	23,740	

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

# 400 Dump Long Wheelbase

HYUNDAI XCINT



Day Cab

Sleeper Cab

Model		Q340.400 / H380.400 / H420.400 / P410.400					
Vehicle Type		Dump					
Cab Type		Day / Sleeper					
Wheel Base		Long					
Drive System		LHD / RHD, 6 x 4					
Application Engines		D6AC	D6HB3H	D6HA3H	D6HA42	D6CA41	D6CB41
<b>Dimensions (mm)</b>							
Wheel Base		5,650 (4,300 + 1,350)					
Overall	Length	9,820					
	Width	2,565					
	Height	3,390					
Wheel Tread	Front	2,075					
	Rear	1,905					
Overhang	Front	1,540					
	Rear (Frame)	2,390					
C.A (Cab to rear Axle)		5,035 / 4,735					
C.E (Cab to End of frame)		7,425 / 7,125					
Min. Ground Clearance		365					
Min. Turning Radius	m	8,9					
<b>Weight (kg)</b>							
Chassis Cab Weight		9,145/9,215		9,245 / 9,315		9,395 / 9,465	
(Day / Sleeper)	Front	4,500/4,560		4,600 / 4,660		4,755 / 4,815	
	Rear	4,645/4,655		4,645 / 4,655		4,640 / 4,650	
** Max Gross Vehicle Weight				40,000			
	Front			8,000			
	Rear			32,000			

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

**Chassis Specifications**  
**Engine**

Model	D6AC	D6HB38	D6HB3H	D6HA38	D6HA3H	D6HA40A	D6HA42	D6CA41	D6CB41
Type	Turbo Charger Intercooler 4 stroke-cycle, water-cooled, direct-injection diesel engine								
Number of Cylinder	6 in-line								
Piston Displacement (cc)	11,149				9,960			12,920	12,344
Bore x Stroke (mm)	130 x 140				122 x 142			133 x 155	130 x 155
Compression Ratio	16.5 : 1				17 : 1				
Max. Power** (ps/rpm)	Euro I	340/2,200						410/1,900	-
	Euro II	-	-	-	-	-	-	-	-
	Euro III	-	380/2,000	380/2,000	-	-	-	-	410/1,900
	Euro IV	-	-	-	380/2,000	380/2,000	-	-	-
	Euro V	-	-	-	-	-	400/1,800	420/1,800	-
Max. Torque ** (kg.m/rpm)	Euro I	140/1,400						188/1,500	-
	Euro II	-	-	-	-	-	-	-	-
	Euro III	-	160/1,200	173/1,200	-	-	-	-	188/1,200
	Euro IV	-	-	-	160/1,200	173/1,200	-	-	-
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-70A				24V-90A	
	Starter	24V- 5.5kW				24V-6.0kW			
	Injection pump	In-line type				EUI system			
Fuel System	Governor	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**

Model	<b>.310 / .400</b>	
Type	Hydraulic control with Air pressure assistance, Coil spring, Single dry plate, Pre-Damper	
Facing Material	Non-Asbestos	
Facing Size (mm) :	ø430 x ø242	
Outside dia x Inside dia		

HYUNDAI XCIENT\_310/400 Dump

**Transmission**

Model		.310 / .400								
Application Engines		D6AC	D6HB38	D6HB3H	D6HA38	D6HA3H	D6HA40A	D6HA42	D6CA41	D6CB41
	M12S6	*								
T/M Application	H160S6		*		*					
• : STD	H160S 2X5	0	0		0					
o : OPT	ZF16S1830			*		*			*	*
	ZF16S2330							*		
	FSO10309						*			
Model		M12S6 / H160S6		H160S 2x5		ZF16S1830		ZF16S2330		FSO10309
Type		6 forward and 1 reverse speed		10 forward and 2 reverse speed		16 forward and 2 reverse speed			9 forward and 1 reverse speed	
Gear Ratio	1st (High / Low)	7.213		9.153 / 7.145		13.80 / 11.54		16.41 / 13.80		10.58 / 7.38
	2nd (High / Low)	4.178		4.783 / 3.733		9.49 / 7.93		11.28 / 9.49		5.22 / 3.71
	3rd (High / Low)	2.587		2.765 / 2.158		6.53 / 5.46		7.76 / 6.53		2.73 / 1.99
	4th (High / Low)	1.621		1.666 / 1.301		4.57 / 3.82		5.43 / 4.57		1.41 / 1.00
	5th (High / Low)	1.000		1,000 / 0.780		3.02 / 2.53		3.59 / 3.02		0.74
	6th (High / Low)	0.702		-		2.08 / 1.74		2.47 / 2.08		-
	7th (High / Low)	-		-		1.43 / 1.20		1.70 / 1.43		-
	8th (High / Low)	-		-		1.00 / 0.84		1.19 / 1.00		-
	Reverse	7.081		8,105 / 6,327		12.92 / 10.80		15.36 / 12.92		10.59
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**

Axle Model		D12HT			THR20ST		
Type		Full floating type					
Capacity	Kg	13,000 x 2			16,000 x 2		
Final Reduction	Type	Single Reduction, Hypoid gear			Hub Reduction, Hypoid gear		
Gear	G/Ratio	4.875 / 5.571 / 6.166			6.676		

**Front Axle**

Type		Reverse Elliot type " I " beam	
Capacity		8,000	

**Tire & Wheel**

Type		Single Front, Dual Rear	
Tire	Front / Rear	12R22.5-16PR	12.00R24-18PR
Wheel	Front/ Rear	22.5 x 8.25	24 x 8.5v

**Steering**

Type		2-Spoke, Ball-nut type, Tilt & Telescopic steering column	
Tilting Angle		9°	
Turning Angle	Inner	Front 1st axle 44° / Front 2nd axle 29°	
	Outer	Front 1st axle 34° / Front 2nd axle 24°	

HYUNDAI XCIENT\_310/400 Dump

**Service Brake**

Model		<b>.310</b>	<b>.400</b>
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		9,633cm <sup>2</sup>	

**Parking Brake**

Actuation	Spring loaded type chamber on the front wheel and the 1st/2nd rear wheel		
Size (mm)	$\phi 410 \times 220 \times 19$		
Total lining area	9,633cm <sup>2</sup>		

**Exhaust Brake**

Type	Air operated, butterfly valve type
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**Suspension**

Type	Front / Rear	Semi-elliptic, laminated leaf springs with shackle link(Multi leaf spring) or Parabolic Spring (without D6AC)	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 type muffler
Tail pipe	Droptail type, blowing to chassis rearward

**Fuel tank**

Capacity	400 liter
Material	Steel

**Frame**

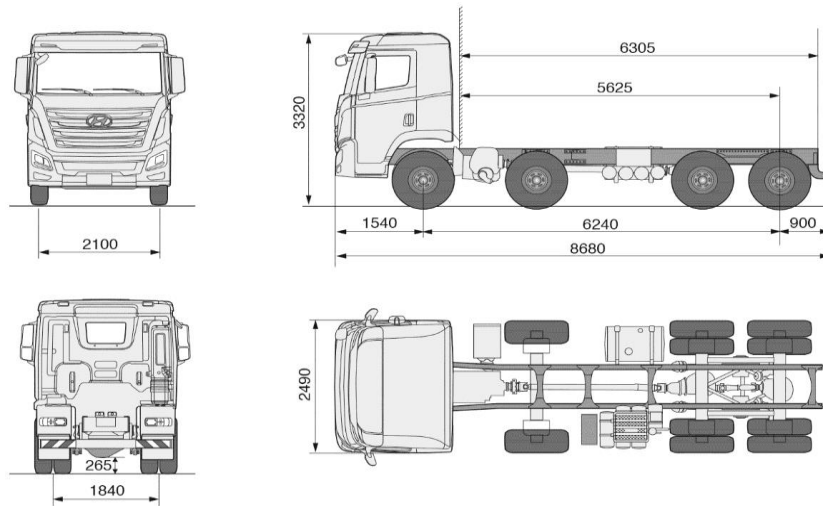
Type	"H" type frame with channel sectional side rail & cross members, side rail is reinforced with outer stiffeners
Main side rail (mm)	Depth x Flange x Thickness : 300 x 90 x 8 t

**Dump Body**

General	Steel Structure
Dump Volume	15.67m <sup>3</sup> (Length x Width x Height : 5,220 x 2,300 x 1306)
Dumping Mechanism	Telescopic
Dumping Angle	53.5 °

# 430 Dumn Short Wheelbase

HYUNDAI XCINT



Model		H380.430 / H420.430		
Vehicle Type		Dump		
Cab Type		Day Cab		
Wheel Base		Short		
Drive System		LHD, 8 x 4		
Application Engines		<b>D6HB3H</b>	<b>D6HA3H</b>	<b>D6HA42</b>
Dimensions (mm)				
Wheel Base		6,240 (1,990 + 2,900 + 1,350)		
Overall	Length	8,680		
	Width	2,490		
	Height	3,320		
Wheel Tread	Front	2,100		
	Rear	1,840		
Overhang	Front	1,540		
	Rear (Frame)	680		
C.A (Cab to rear Axle)		5,625		
C.E (Cab to End of frame)		6,305		
Min. Ground Clearance		265		
Min. Turning Radius		m 9.8		
Weight (kg)				
Chassis Cab Weight		9,990	10,140	10,180
	Front	6,895	7,080	7,115
	Rear	3,095	3,060	3,065
** Max Gross Vehicle Weight			43,200	
	Front		18,000	
	Rear		25,200	

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

## Chassis Specifications Engine

Engine		D6HB3H	D6HA3H	D6HA42
Type		Turbo Charger Intercooler 4 stroke-cycle, water-cooled, direct-injection diesel engine		
Number of Cylinder		6 in-line		
Piston Displacement (cc)		9,960		
Bore x Stroke (mm)		122 x 142		
Compression Ratio		17 : 1		
Max. Power ** (ps/rpm)	Euro III	380 / 2,000	-	-
	Euro IV	-	380 / 2,000	-
	Euro V	-	-	420 / 1,800
	Euro III	173 / 1,200	-	-
Max. Torque ** (kg.m/rpm)	Euro IV	-	173 / 1,200	-
	Euro V	-	-	200 / 1,100
	General	Pressure type with thermostat, Forced circulation by centrifugal water pump		
Cooling System	Radiator	Corrugated fin type with pressure cap and condenser tank		
	Battery	12V x 2, 150 AH at 20 Hr rates		
Electrical System	Alternator	24V-70A		
	Starter	24V-6.0kW		
	Injection pump	EUI system		
	Governor	Electronic Control		
Fuel System	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	Rvice 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

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



**HYUNDAI XCIENT\_430 Dump**

**Transmission**

Model		H380.430 / H420.430		
Engine		D6HB3H	D6HA3H	D6HA42
Model		ZF16S1830		ZF16S2330
Type		16 forward and 2 reverse speed, 1st to 16th synchromesh, reverse constant-mesh gears		
	1st		13.8 / 11.54	16.41 / 13.80
	2nd		9.49 / 7.93	11.28 / 9.49
	3rd		6.53 / 5.46	7.76 / 6.53
	4th		4.57 / 3.82	5.43 / 4.57
Gear Ratio	5th		3.02 / 2.53	3.59 / 3.02
	6th		2/08 / 1.74	2.47 / 2.08
	7th		1.43 / 1.20	1.70 / 1.43
	8th		1.00 / 0.84	1.19 / 1.00
	Reverse		12.92 / 10.80	15.36 / 12.92
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	26,000 (13,000 x 2)	
Final Reduction Gear	Type	Single Reduction, Hypoid gear	
	G/Ratio	5.143	3.909

**Front Axle**

Type		Reverse Elliot type " 1 " beam
Capacity	kg	18,000 (9,000 x 2)

**Tire & Wheel**

Type		Single Front, Dual Rear
Tire	Front	385 / 65R 22.5-20PR
	Rear	12R 22.5 - 16PR
Wheel	Front	22.5 x 11.75
	Rear	22.5 x 8.25

**Steering**

Type		2-Spoke, Ball-nut type, Tilt & Telescopic steering column
Tilting Angle		9 °
Turning Angle	Inner	Front 1st axle 44 ° / Front 2nd axle 29 °
	Outer	Front 1st axle 34 ° / Front 2nd axle 24 °

## HYUNDAI XCIENT\_430 Dump

### Service Brake

Model	H380.430 / H420.430	
Engine	D6HB3H / D6HA3H / D6HA42	
Actuation	Full Air, Dual circuit fixed S camwith spring loaded chambers	
Size (mm)	Front	∅419 x 178 x 19
	Rear	∅410 x 220 x 19
Total lining area	12.993cm <sup>2</sup>	

### Parking Brake

Actuation	Spring loaded type chamber on the front wheel and the 1st/2nd rear wheel	
Size (mm)	Drum diameter x Lining width x Lining thickness Front : ∅419 x 178 x19 / Rear : ∅410 x 220 x 19	
Total lining area	10,052cm <sup>2</sup>	

### Exhaust Brake

Type	Air operated, butterfly valve type
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### Suspension

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

### Exhaust system

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

### Fuel tank

Capacity	380 liter
Material	Aluminum

### 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 : 300 x 90 x 8t	