



X*CIENT*

NEW THINKING. NEW POSSIBILITIES.

People's expectation toward individual mobility requires more than just a convenient means of transportation. The old understanding of cars has become outdated. A car represents individuals' lifestyles, and it became an integral part of their lives. At the same time, the automobile industry has experienced seismic change. Hyundai Motor Company has grown rapidly to become one of the largest automakers, backed by world class production capability and superior quality. We have now reached a point where we need a qualitative approach to bring bigger ideas and relevant solutions to our customers. This is an opportunity to move forward and we have developed a new brand slogan that encapsulates our willingness to take a big leap. Led by our new slogan and the new thinking underlying it, we will become a company that keeps challenging itself to unlock new possibilities for people and the planet.

Hyundai Motor Company
www.hyundai.com
GEN. LHD 1309 ENG



The most advanced evolution and innovation is presented



XCIENT, the novelty towards the unknown world



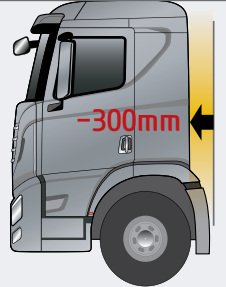
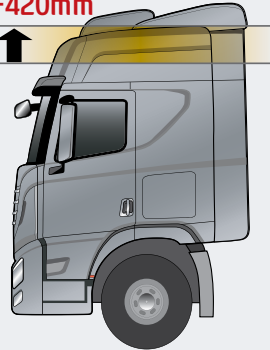


The completion of the advanced style

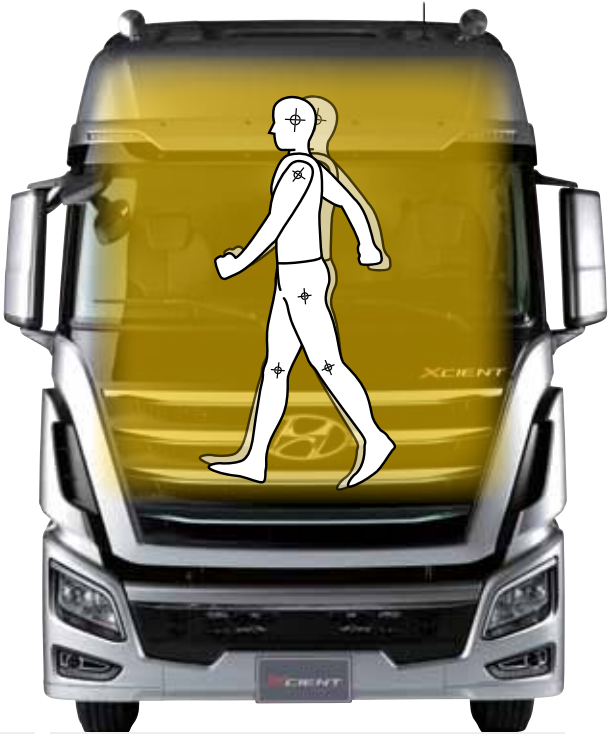
XCIENT cab with higher full height (+225mm) and longer full length (+175mm)

With the availability of more space, experience more comfort and freedom as you drive.

Cabin Variant

Standard Roof		High Roof	Low Roof
Day Cab	Sleeper Cab		
			
D	S	H	L

D : Day cab / S : Standard cab / H : High roof / L : Low roof



Cabin Space Comparison

Cabin		CURRENT (EG)	XCIENT(QZ)	
			Compared with EG	
Length		2,165	+175	2,340
		2,495	-5	2,490
Height	STD	3,005	+225	3,230
	High	-	+645	3,650
Internal Height	STD	1,100	+390	1,490
	High	-	+795	1,895
Engine tunnel		395	-205	190
Bed Size		650	+150	800

Unit : mm

Wider space for a more comfortable driving experience
Its optimum space allows for freer indoor movement and activity.

- Tractor : S / H
Cargo : S
Dump : D / S / L
Mixer : S / L
- ※ Day cab for various upper body
※ Low roof option for unique upper body (picture)
※ Day cab + Low roof not available

+645mm
(High roof*)

+225mm
(Standard roof*)

* Based on current standard roof height



Innovative design

Adopting the aerodynamic style that hasn't been implemented in conventional models, the XCIENT is innovatively designed with the inclination of the windshield, expansion of the front volume, and application of dynamic character lines.

Simple and chic in style

XCIENT integrated the color of side-view mirrors, roof visor, side garnish, mud guard, and other components like that of an existing luxury sedan so as to present a sophisticated sense of identity.



1. Application of corner vane to reduce side contamination
2. Low-drag European mirror
3. Corner vane integrated large front grill and wide bumper
4. Roof visor and roof spoiler with height adjustment

Outside mirrors

For improved visibility, the presence of blind spot is reduced by enlarging the outside mirror and through the design/utilization of aerodynamic mirror, noise as well as water hold-up phenomenon on the side glass is reduced.





Largest in its class in terms of **storage space**

Stay worry-free as it takes care of your storage needs wherever you go.



1. Cup holder

2. Cooler and warmer
(World first refrigerant and
electric coil method)

3. Overhead console (150 liters)

4. Rear overhead console
(high roof : 320 liters)



Lower crash pad
console (16 liters)



Lower bed console
(120 liters)

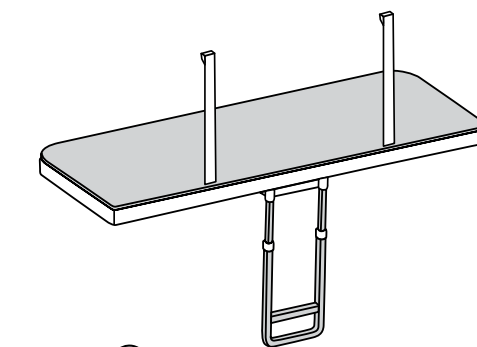


The second evolution of **XCIENT**

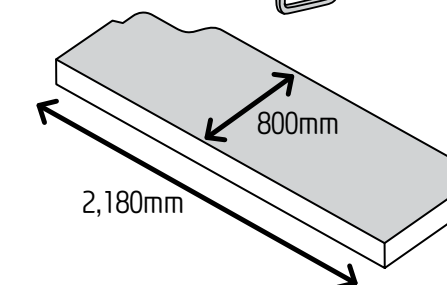
The comfort presented by the world's largest bed

<https://truckmanualshub.com/>

The thoughtful consideration to soothe driver's fatigue after long-hours of driving is reflected in the maximized size of the sheet.



Bed 2nd Floor (high roof only)
2nd floor bed for high roof cabin



Sleeper Cabin Bed (option)
World best class bed size



The smart driving space presented only by XCIENT

A total of about 100 functions including a crash pad with optimally arranged hand-reach switches, audio, multi-display, Bluetooth, hands-free system, cruise switch add comfort to your driving.



1. Multi Display (black color)

Driving information, fault diagnosis, axle weight (air sus.) and etc

2. Q800

(Radio + USB + Aux. + CD + i-pod + Bluetooth)



Passenger Seat (Convenience focused seats)

- Belt-in-seat
- Air suspension (option)
- Folding seat (option)



Backward folding
- Console function

Forward folding
- Seat cushion



New profile seat (Ergonomic new profile seat)

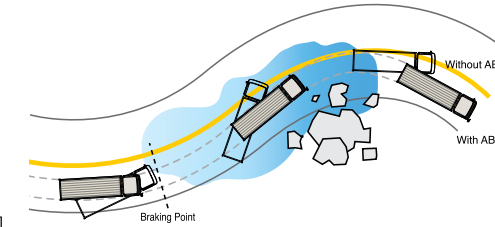
- Cold / warm air ventilation
- Leather covering
- Belt-in-seat
- Seat operating on the bed
- Air suspension (Multi function seat)

The second evolution of **XCIENT**

Experience the truck of the future

ABS with ASR (Anti-Slip Regulator)

This ABS (Anti-Locking Brake System) brings the vehicle to a safe, controlled stop and is particularly advantageous whilst driving under slippery road conditions. The driver can apply maximum pressure on the brake pedal without worrying about wheel lock, skidding and subsequent loss of control. With ABS/ASR, the driver can maintain full directional stability of the vehicle at all times and avoid potentially dangerous situations.



Ergonomic switch operation



Power Window System – Easy window switch control



The essence of high technology

XCIENT expresses a sense of sophistication both internally and externally as it features metallic pad, new trim colors and pattern, and soft mood light using an LED lamp, an approach that is hardly imagined in other trucks.



Indoor room lamps



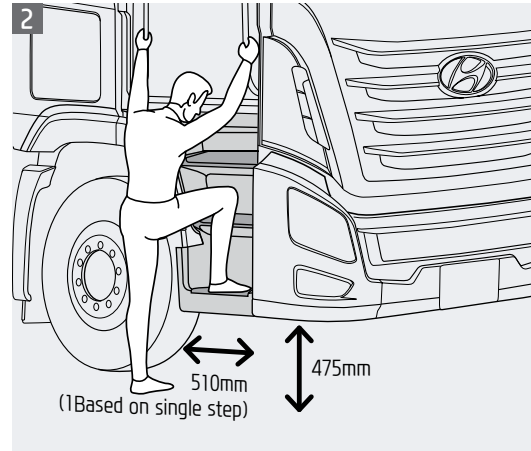
head lamp



The third evolution of **XcIENT**

World-class comfort when getting on and off the vehicle

World-class comfort when getting on and off the vehicle is presented through the 105mm lowered stair-type steps, which are the widest in its class.



1. Grip for getting on and off the vehicle

2. Inclined steps with the largest cross-sectional area in its class

<https://truckmanualshub.com/>



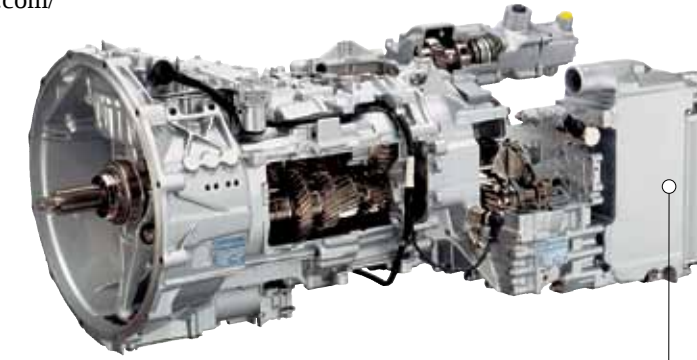
The third evolution of **XCIENT**

Comfort by being away even from fine vibration

As the first in Korea to use front-wheel air-suspension, XCIENT provides the best riding comfort by lowering the vehicle's vibration frequency from 1.9Hz to 1.1Hz.



<https://truckmanualshub.com/>



Retarder (Option)

This retarder system not only reduces the maintenance cost of a vehicle but also drastically improves driving safety and brake performance by increasing the life of the brake lining by four times.



Automatic (ECAS) 4-bag type air-suspension



Cab air-floating suspension



Extreme low-temperature testing has been completed

To apply powerful durability as much as possible, Hyundai Xcient has completed extreme low-temperature tests about various driving and durability successfully, and has proved that it is the best truck in the world with strong power and durability as a result.



Driving test at Ivalo, the northmost place in Finland



Test under 40° below zero in the Arctic (4x2 Tractor)

Improved fuel efficiency Further improvement of profit

With its 7% improved fuel efficiency, XCIENT is guaranteed for maximum practicability and efficiency.



Powertec Engine

D6CC41 (Euro4)
Max. Power : 410ps
Max. Torque : 188kg·m
Displacement : 12.920cc

D6CC3H (Euro4)
Max. Power : 380ps
Max. Torque : 160kg·m
Displacement : 12.920cc

D6CB41 (Euro3)
Max. Power : 410ps
Max. Torque : 188kg·m
Displacement : 12.920cc

D6CA41 (Euro2)
Max. Power : 410ps
Max. Torque : 188kg·m
Displacement : 12.920cc



H Engine

D6HB3H (Euro3)
Max. Power : 380ps
Max. Torque : 173kg·m
Displacement : 9,960cc

D6HB38 (Euro3)
Max. Power : 380ps
Max. Torque : 160kg·m
Displacement : 9,960cc



Q Engine

D6AC (Euro1)
Max. Power : 340ps
Max. Torque : 140kg·m
Displacement : 11,149cc

The reliable and trustworthy **durability**

XCIENT maintains structural durability under any road condition due to its robust design that extensively applied structured cab and high-tensile steel.



4x2Tractor

6x4 Dump



Air cleaner



Front frame & High-tensile chassis

The roll forming method was applied to the high-tensile frame and by increasing the length between frames up to 60mm, it ensures driving comfort as well as excellent vehicle handling performance.

Reduces in half the time needed for maintenance **Largest maintenance panel in its class**



Cab tilting

Along with the extensively increased cab tilting angle up to 61°, the volume of the cab tilting cylinder was enlarged. Also, it allows for ease of maintenance by preventing oil leakage with the use of a protection cover on the top part while securing the volume of the tilting pump reservoir.

Bumper-integrated front folding steps

For easier maintenance of more parts compared to the previously applied maintenance panel opening at the front, the broad width folding steps are newly designed.



Quality in Every Detail



Steering wheel (Including pneumatic tilt and telescopic function)



Roll-screen type sun visor
(Front: Automatic, Side: Manual)



Overhead console



Rear overhead console (High roof)



Back panel console and
bedside console



Bedroom lamp



Air-conditioner (Remote controllable)



Sun-Roof



T.G.S knob



New profile sheet (Driver's seat)



Room lamp



Lower crash pad compartment



Lower bed console



Ion generator
(Odor removal and sterilization)



Table at the passenger seat
(3-step expandable type)



Pull-down door glass (Application of
water-repellent door glass)



External compartment (1,500mm of
lowest accessibility on the same level)

XCIENT 4×2 Tractor

Item		4×2 TRT			
		High / Long	High / Medium	Low / Long	
		D6AC	D6HB38	D6CC41	
Dimension (mm)	Overall length	6,435	6,190	6,490	
	Overall width	2,490			
	Overall height (STD / High)	3,260 / 3,845		3,315 / 3,805	
	Wheel Tread	Front	2,060	2,040	
		Rear	1,826	1,826	
	Wheebase	3,900	3,600	3,900	
	Frame Rear Over Hang	995		1,050	
	Ground to Roof (STD / High)	3,220 / 3,635		3,175 / 3,595	
	Ground to frame (topside)	1,080		980	
Cab to Rear Axle	2,985	2,685	2,985		
Weight (kg)	Kerb Weight	Front	4,965	4,975	5,150
		Rear	2,010	1,905	2,145
		Total	6,975	7,180	7,295
	Axle load	Front	6,500		7,500
		Rear	11,800		13,000
	Permissible Payload	11,325	11,120	13,205	
	Permissible GVW	18,300		20,500	
Performance	Min. turning radius (m)	7.1	6.6	7.1	
Frame	Type	Ladder type, Single channel			
	Main Side rail	300×90×8		280×90×8	
Engine	Model	D6AC (Euro1)	D6HB38 (Euro 3)	D6CC41 (Euro 4)	
	Type	Diesel,Turbo intercooler			
	Max.Power	340ps(247kw) @2,200 rpm	380ps(280kw) @2,000 rpm	410ps(302kw) @1,900 rpm	
	Max.Toque	140kgm(1333Nm) @1,400 rpm	160kgm(1568Nm) @1,200 rpm	188kgm(1844Nm) @1,200 rpm	
	No. of cylinder	In line 6 cylinder			
	Bore × Stroke	130×140 (mm)	122×142 (mm)	130×155 (mm)	
	Displacement	11,149 cc	9,960 cc	12,344 cc	
	Controller Type	All Speed type (RLD-J)	Electronic control		
	Air Cleaner	Dry paper elements			

Item			4×2 TRT		
			High / Long	High / Medium	Low / Long
			D6AC	D6HB38	D6CC41
Transmission	Model	M12S6	H160S2x5	ZF16S1830	
	Type	F6 / R1	F10 / R2	F16 / R2	
	1st (Low / High)	6.814	9.153 / 7.145	13.80 / 11.54	
	2nd (Low / High)	3.947	4.783 / 3.733	9.49 / 7.93	
	3rd (Low / High)	2.444	2.765 / 2.158	6.53 / 5.46	
	4th (Low / High)	1.531	1.666 / 1.301	4.57 / 3.82	
	5th (Low / High)	1.000	1.000 / 0.780	3.02 / 2.53	
	6th (Low / High)	0.664	–	2.08 / 1.74	
	7th (Low / High)	–	–	1.43 / 1.20	
	8th (Low / High)	–	–	1.00 / 0.84	
	Reverse (Low / High)	6.690	8.105 / 6.327	12.92 / 10.80	
Brake	Service Brake	Full Air Brake, Drum			
	Drum Diameter	410 mm		430 mm	
	Lining	Front	Φ410×156×19mm	Φ430×45mm	
		Rear	Φ410×220×19mm	Φ430×45mm	
		Material	Non-Asbestos		
	Parking Brake	Spring actuator at Front / Rear Wheel			
Auxiliary Brake	Exhaust Brake	Jake	Retarder		
Axle	Front	Capacity (Kg)	Reverse Elliot "I" Beam		
			6,500	8,000	
	Rear	Final drive ratio	Single reduction		
			4.875	3.667	
Capacity (Kg)			11,800	13,000	
Wheel & Tire	Front	12R22.5–16PR, 22.5x8.25		315 / 70R22.5–16PR	
	Rear	12R22.5–16PR, 22.5x8.25		315 / 70R22.5–16PR	
Fuel Tank		RH	RH / LH		
		Side under the frame			
		STEEL 400	AL 500+300	AL 930+450	
Steering	Drive Position	LHD	LHD / RHD	LHD	
	Type	Recirculating ball with integral Power assisted by oil			
	Steering Cloumn	Tilt & telescopic			
	Steering Wheel	4-spoke wheel wit horn button			
Clutch	Type	Hydraulic control with air assisted Dry single plate with diaphragm spring			
	Plate Diameter	Outside Diamter : 430 mm			
Suspension	Front (mm)	Multi leaf		Parabolic	
		1,500×90×13t – 7		1,900 x 100 x 32t – 2	
	Rear (mm)	Multi leaf		AIR	
		1,600×90× 13t – 8 / 10t –11		4-BAG	
Electrical System	Batteries	PT / 12 V – 150Ah x 2		MF / 12 V – 150Ah x 2	
	Alternator	24 V / 60 amp	24 V / 70 amp	24 V / 90 amp	
	Starter	24 V / 5.5kw	24 V / 6.0kw		

XCIENT 6×4 Tractor

Item		6x4 TRT			
		High / Short	High / Short	High / Medium	
		D6AC	D6HB38	D6CC41	
Dimension (mm)	Overall length	7,010		7,310	
	Overall width	2,490			
	Overall height (STD / High)	3,450 / 3,835			
	Wheel Tread	Front	2,060	2,060	
		Rear	1,825	1,825	
	Wheebase	4,650		4,950	
	Frame Rear Over Hang	820			
	Ground to Roof (STD / High)	3,210 / 3,625			
	Ground to frame (topside)	1,080			
Cab to Rear Axle	3,060		3,360		
Weight (kg)	Kerb Weight	Front	4,880	4,970	5,225
		Rear	3,600	3,610	3,705
		Total	8,480	8,580	8,930
	Axle load	Front	6,500		
		Rear	25,200		
	Permissible Payload	23,220	23,120	22,770	
	Permissible GVW	31,700			
Performance	Min. turning radius (m)	7.2		7.6	
Frame	Type	Ladder type, Single channel			
	Main Side rail	300×90×8			
Engine	Model	D6AC (Euro1)	D6HB38 (Euro 3)	D6CC41 (Euro 4)	
	Type	Diesel, Turbo intercooler			
	Max.Power	340ps(247kw)@ 2,200 rpm	380ps(280kw)@ 2,000 rpm	410ps(302kw)@ 1,900 rpm	
	Max.Toque	140kgm(1333Nm)@ 1,400 rpm	160kgm(1568Nm)@ 1,200 rpm	188kgm(1844Nm)@ 1,200 rpm	
	No. of cylinder	In line 6 cylinder			
	Bore × Stroke	130×140 (mm)	122×142 (mm)	130×155 (mm)	
	Displacement	11,149 cc	9,960 cc	12,344 cc	
	Controller Type	All Speed type (RLD-J)	Electronic control		
	Air Cleaner	Dry paper elements			

Item			6x4 TRT		
			High / Short	High / Short	High / Medium
			D6AC	D6HB38	D6CC41
Transmission	Model	M12S2x5	H160S2x5	ZF16S1830	
	Type	F12 / R2	F10 / R2	F16 / R2	
	1st (Low / High)	9.153 / 7.145		13.80 / 11.54	
	2nd (Low / High)	4.783 / 3.733		9.49 / 7.93	
	3rd (Low / High)	2.765 / 2.158		6.53 / 5.46	
	4th (Low / High)	1.666 / 1.301		4.57 / 3.82	
	5th (Low / High)	1.000 / 0.780		3.02 / 2.53	
	6th (Low / High)	-	-	2.08 / 1.74	
	7th (Low / High)	-	-	1.43 / 1.20	
	8th (Low / High)	-	-	1.00 / 0.84	
	Reverse (Low / High)	8.105 / 6.327		12.92 / 10.80	
Brake	Service Brake	Full Air Brake, Drum			
	Drum Diameter	410 mm			
	Lining	Front	Φ410×156×19mm		
		Rear	Φ410×220×19mm		
		Material	Non-Asbestos		
	Parking Brake	Spring actuator at Front / Rear Wheel			
Auxiliary Brake	Exhaust Brake	Jake	Retarder		
Axle	Front	Capacity (Kg)	Reverse elliot "I" Beam		
			6,500		
	Rear	Final drive ratio	Single reduction		
			5.571	4.875	3.909
Wheel & Tire	Front	Capacity (Kg)	13,000×2		
			12R22.5-16PR, 22.5x8.25		
			12R22.5-16PR, 22.5x8.25		
Fuel Tank		RH		RH / LH	
		Side under the frame			
		STEEL 400	AL 500	AL 500+300	
Steering	Drive Position	LHD	LHD / RHD		
	Type	Recirculating ball with integral Power assisted by oil			
	Steering Cloumn	Tilt & telescopic			
	Steering Wheel	4-spoke wheel wit horn button			
Clutch	Type	Hydraulic control with air assisted Dry single plate with diaphragm spring			
	Plate Diameter	Outside Diamter : 430 mm			
Suspension	Front (mm)	Multi leaf			
		1,500×90×13t – 7			
	Rear (mm)	Multi leaf			
Electrical System	Batteries	PT / 12 V – 150Ah x 2			
	Alternator	24 V / 60 amp	24 V / 70 amp	24 V / 90 amp	
	Starter	24 V / 5.5kw	24 V / 6.0kw		

XCIENT 6×4 Dump

Item		6x4 Dump		
		15 ton	15 ton	18 ton
		D6AC	D6HB38	D6CA41
Dimension (mm)	Overall length	7,445		9,665
	Overall width	2,490		
	Overall height (STD Roof)	3,540		3,635
	Wheel Tread	Front	2,060	2,075
		Rear	1,825	1,904
	Wheebase	4,590		5,650
	Frame Rear Over Hang	1,120		2,440
	Ground to Roof (STD Roof)	3,295		3,395
	Ground to frame (topside)	1,130		1,225
	Cab to Rear Axle	3,000		4,060
Weight (kg)	Kerb Weight	Front	4,590	4,680
		Rear	3,405	3,415
		Total	7,995	8,095
	Axle load	Front	7,100	
		Rear	23,600	
	Permissible Payload	22,705		22,605
Performance	Min. turning radius (m)	7		9.3
Frame	Type	Ladder type, Single channel		
	Main Side rail	300×90×8		
Engine	Model	D6AC (Euro 1)	D6HB38 (Euro 3)	D6CA41 (Euro 4)
	Type	Diesel,Turbo intercooler		
	Max.Power	340ps(247kw)@ 2,200 rpm	380ps(280kw)@ 2,000 rpm	410ps(302kw)@ 1,900 rpm
	Max.Toque	140kgm(1333Nm)@ 1,400 rpm	160kgm(1568Nm)@ 1,200 rpm	188kgm(1844Nm)@ 1,500 rpm
	No. of cylinder	In line 6 cylinder		
	Bore × Stroke	130×140 (mm)	122×142 (mm)	133×155 (mm)
	Displacement	11,149 cc	9,960 cc	12,920 cc
	Controller Type	All Speed type (RLD-J)	Electronic control	Electronic control
	Air Cleaner	Dry paper elements		

Item		6x4 Dump			
		15 ton	15 ton	18 ton	
		D6AC	D6HB38	D6CA41	
Transmission	Model	M12S6	H160S2x5	ZF16S1830	
	Type	F6 / R1	F10 / R2	F16 / R2	
	1st (Low / High)	7.213	9.153 / 7.145	13.80 / 11.54	
	2nd (Low / High)	4.178	4.783 / 3.733	9.49 / 7.93	
	3rd (Low / High)	2.587	2.765 / 2.158	6.53 / 5.46	
	4th (Low / High)	1.621	1.666 / 1.301	4.57 / 3.82	
	5th (Low / High)	1.000	1.000 / 0.780	3.02 / 2.53	
	6th (Low / High)	0.702	–	2.08 / 1.74	
	7th (Low / High)	–	–	1.43 / 1.20	
	8th (Low / High)	–	–	1.00 / 0.84	
	Reverse (Low / High)	7.081	8.105 / 6.327	12.92 / 10.80	
Brake	Service Brake	Full Air Brake, Drum			
	Drum Diameter	410 mm			
	Lining	Front	Φ410×156×19mm		
		Rear	Φ410×220×19mm		
		Material	Non-Asbestos		
	Parking Brake	Spring actuator at Front / Rear Wheel			
Auxiliary Brake	Exhaust Brake	Jake			
Axle	Front	Capacity (Kg)	Reverse Elliot "I" Beam		
			8,000		
	Rear	Final drive ratio	Single reduction		Tnadem HUB reduction
			6.166	5.571	6.676
			13,000×2		16,000×2
Wheel & Tire	Front	12R22.5–16PR, 22.5x8.25		12.00R24–18PR, 24x 8.5v	
	Rear	12R22.5–16PR, 22.5x8.25		12.00R24–18PR, 24x 8.5v	
Fuel Tank		RH			
		Side under the frame			
		400			
Steering	Drive Position	LHD	LHD / RHD	LHD	
	Type	Recirculating ball with Power assisted by oil integral			
	Steering Cloumn	Tilt & telescopic			
	Steering Wheel	4-spoke wheel wit horn button 5-spoke wheel wit horn button 6-spoke wheel wit horn button			
Clutch	Type	Hydraulic control with air assisted Dry single plate with diaphragm spring			
	Plate Diameter	Outside Diamter : 430 mm			
Suspension	Front (mm)	Multi leaf		Multi leaf	
		1,500×90×12t–4/13t–7		1,500×90×13t–11	
	Rear (mm)	Multi leaf		Multi leaf	
		1,350×90×20t–3/18t–8		1,350×90×22t–12	
Electrical System	Batteries	PT / 12 V – 150Ah x 2			
	Alternator	24 V / 60 amp	24 V / 70 amp	24 V / 90 amp	
	Starter	24 V / 5.5kw	24 V / 6.0kw		

XCIENT 6×4 Cargo

Item			6x4 Cargo		
			Short	Medium	Long
			D6AC	D6HB38	D6CC3H
Dimension (mm)	Overall length		9,630	10,310	11,905
	Overall width		2,490		
	Overall height (STD Roof)		3,485		
	Wheel Tread	Front	2,060		
		Rear	1,825		
	Wheebase		5,650	6,100	7,050
	Frame Rear Over Hang		2,390	2,620	3,230
	Ground to Roof (STD Roof)		3,240		
	Ground to frame (topside)		1,100		
Cab to Rear Axle		4,060	4,510	5,460	
Weight (kg)	Kerb Weight	Front	4,485	4,650	4,850
		Rear	3,780	3,865	3,985
		Total	8,265	8,515	8,835
	Axle load	Front	7,100		
		Rear	23,600		
	Permissible Payload		22,435	22,185	
	Permissible GVW		30,700		
Performance	Min. turning radius (m)		8.4	9.1	10.7
Frame	Type		Ladder type, Single channel		
	Main Side rail		300×90×8t		
Engine	Model		D6AC (Euro 1)	D6HB38 (Euro 3)	D6CC3H (Euro 4)
	Type		Diesel,Turbo intercooler		
	Max.Power		340ps(247kw)@ 2,200 rpm	380ps(280kw)@ 2,000 rpm	380ps(280kw)@ 1,900 rpm
	Max.Toque		140kgm(1333Nm)@ 1,400 rpm	160kgm(1568Nm)@ 1,200 rpm	160kgm(1588Nm)@ 1,200 rpm
	No. of cylinder		In line 6 cylinder		
	Bore × Stroke		130×140 (mm)	122×142 (mm)	130×155 (mm)
	Displacement		11,149 cc	9,960 cc	12,344 cc
	Controller Type		All Speed type (RLD-J)	Electronic control	
	Air Cleaner		Dry paper elements		

Item			6x4 Cargo		
			Short	Medium	Long
			D6AC	D6HB38	D6CC3H
Transmission	Model	M12S6	H160S2x5	H160S6	
	Type	F6/R1	F10/R2	F6/R1	
	1st (Low / High)	7.213	9.153 / 7.145	7.213	
	2nd (Low / High)	4.178	4.783 / 3.733	4.178	
	3rd (Low / High)	2.587	2.765 / 2.158	2.587	
	4th (Low / High)	1.621	1.666 / 1.301	1.621	
	5th (Low / High)	1.000	1.000 / 0.780	1.000	
	6th (Low / High)	0.702	–	0.702	
	7th (Low / High)	–	–	–	
	8th (Low / High)	–	–	–	
	Reverse (Low / High)	7.081	8,105 / 6.327	7.081	
Brake	Service Brake	Full Air Brake, Drum			
	Drum Diameter	410 mm			
	Lining	Front	Φ410×156×19mm		
		Rear	Φ410×220×19mm		
		Material	Non-Asbestos		
	Parking Brake	Spring actuator at Front/Rear Wheel			
Auxiliary Brake	Exhaust Brake	Jake			
Axle	Front	Capacity (Kg)	Reverse Elliot "I" Beam		
			8,000		
	Rear	Final drive ratio	Single Reduction		
			6.166(STD), 5.571(OPT)	5.571	4.875(STD), 5.143(OPT)
		Capacity (Kg)	11,800×2		
Wheel & Tire	Front		12R22.5–16PR, 22.5x8.25		
	Rear		12R22.5–16PR, 22.5x8.25		
Fuel Tank			RH		
			Side under the frame		
			400		
Steering	Drive Position	LHD	LHD / RHD	LHD	
	Type	Recirculating ball with integral Power assisted by oil			
	Steering Cloumn	Tilt & telescopic			
	Steering Wheel	4–spoke wheel wit horn button			
Clutch	Type	Hydraulic control with air assisted Dry single plate with diaphragm spring			
	Plate Diameter	Outside Diamter : 430 mm			
Suspension	Front (mm)	Multi leaf			
		1,500×90×13t–9			
	Rear (mm)	Multi leaf			
1,350×90×20t–3/18t–8					
Electrical System	Batteries	PT / 12 V – 150Ah x 2			
	Alternator	24 V / 60 amp	24 V / 70 amp	24 V / 90 amp	
	Starter	24 V / 5.5kw	24 V / 6.0kw		

XCIENT 8×4 Cargo

Item		8x4 Cargo			
		Short	Extra Long	Extra Long	
		D6AC	D6HB38	D6CC41	
Dimension (mm)	Overall length	11,440	12,410	12,425	
	Overall width	2,490			
	Overall height (STD Roof)	3,490	3,485		
	Wheel Tread	Front	2,060		
		Rear	1,826		
	Wheebase	7,470	8,300		
	Frame Rear Over Hang	2,350			
	Ground to Roof (STD Roof)	3,245			
	Ground to frame (topside)	1,080			
Cab to Rear Axle	5,880	6,710			
Weight (kg)	Kerb Weight	Front	7,295	7,410	7,590
		Rear	2,795	2,855	2,875
		Total	10,090	10,265	10,465
	Axle load	Front	13,000		
		Rear	25,200		
	Permissible Payload	28,110	27,935	27,735	
	Permissible GVW	38,200			
Performance	Min. turning radius (m)	10.7	11.7		
Frame	Type	Ladder type, Single channel			
	Main Side rail	300×90×8t			
Engine	Model	D6AC (Euro 1)	D6HB38 (Euro 3)	D6CC41 (Euro 4)	
	Type	Diesel, Turbo intercooler			
	Max.Power	340ps(247kw)@ 2,200 rpm	380ps(280kw)@ 2,000 rpm	410ps(302kw)@ 1,900 rpm	
	Max.Toque	140kgm(1,333Nm)@ 1,400 rpm	160kgm(1,568Nm)@ 1,200 rpm	188kgm(1,844Nm)@ 1,200 rpm	
	No. of cylinder	In line 6 cylinder			
	Bore × Stroke	130×140 (mm)	122×142 (mm)	130×155 (mm)	
	Displacement	11,149 cc	9,960 cc	12,344 cc	
	Controller Type	All Speed type (RLD-J)	Electronic control		
	Air Cleaner	Dry paper elements			

Item			8x4 Cargo		
			Short	Extra Long	Extra Long
			D6AC	D6HB38	D6CC41
Transmission	Model	M12S2x5	H160S2x5	ZF16S1830	
	Type	F6/R1	F10/R2	F16/R2	
	1st (Low / High)	6.814	9.153 / 7.145	13.80 / 11.54	
	2nd (Low / High)	3.947	4.783 / 3.733	9.49 / 7.93	
	3rd (Low / High)	2.444	2.765 / 2.158	6.53 / 5.46	
	4th (Low / High)	1.531	1.666 / 1.301	4.57 / 3.82	
	5th (Low / High)	1.000	1.000 / 0.780	3.02 / 2.53	
	6th (Low / High)	0.664	–	2.08 / 1.74	
	7th (Low / High)	–	–	1.43 / 1.20	
	8th (Low / High)	–	–	1.00 / 0.84	
	Reverse (Low / High)	6.690	8.105 / 6.327	12.92 / 10.80	
Brake	Service Brake		Full Air Brake, Drum		
	Drum Diameter		410 mm		
	Lining	Front	Φ410×156×19mm		
		Rear	Φ410×220×19mm		
		Material	Non-Asbestos		
	Parking Brake		Spring actuator at Front/Rear Wheel		
Auxiliary Brake		Exhaust Brake	Jake		
Axle	Front	Capacity (Kg)	Reverse Elliot "I" Beam		
			6,500×2		
	Rear	Final drive ratio Capacity (Kg)	Single Reduction		
			6.166	5.571	3.667
Wheel & Tire	Front	12R22.5–16PR, 22.5x8.25			
	Rear	12R22.5–16PR, 22.5x8.25			
Fuel Tank			RH		
			Side under the frame		
			AL 350 → 380	STEEL 350	
Steering	Drive Position		LHD		
	Type		Recirculating ball with integral Power assisted by oil		
	Steering Cloumn		Tilt & telescopic		
	Steering Wheel		4–spoke wheel wit horn		
Clutch	Type		Hydraulic control with air assisted Dry single plate with diaphragm spring		
	Plate Diameter		Outside Diamter : 430		
Suspension	Front (mm)		Multi leaf		
			1,500×90×13t–8 (1st)		
			1,500×90×13t–8 (2nd)		
	Rear (mm)		Multi leaf		
		1,350×90×20t–3/18t–8			
Electrical System	Batteries		PT / 12 V – 150Ah x 2		
	Alternator		24 V / 60 amp	24 V / 70 amp	24 V / 90 amp
	Starter		24 V / 5.5kw	24 V / 6.0kw	

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LINE-UP

Item		Tractor	Cargo	Dump	Mixer
Day Cab	Standard Roof				
Sleeper Cab	Low Roof				
	Standard Roof				
	High Roof				



Birth of new hero **XCIENT**

