



HYUNDAI  
NEW  
THINKING.  
NEW  
POSSIBILITIES.

# HD 500 TRACTOR





## Choose with Confidence

Once you get behind the wheel of a Hyundai, you'll know the feeling of driving with total confidence. You'll be joining a special club of millions of drivers worldwide who already know and trust the Hyundai name because of its reputation for the highest quality and outstanding reliability. The new HD500 truck builds on that reputation with many important improvements to the powertrain such as the 16-speed transmission from ZF. And to maximize driver comfort, we've totally redesigned the cabin. From end-to-end, inside and out, the all-new HD500 is built tough to tackle the most difficult jobs whether they're long distance or short-haul. For comfort, safety and cost-effectiveness, there's really no better choice than the HD500.

# Hyundai, the Big New Name on the Horizon



# Tomorrow's Design Today

A ideal balance of form and function, the lines of the HD500 are perfectly clean and simple. Every single detail has been thoroughly tested to ensure optimal aerodynamics.

The HD500 reflects Hyundai's obsession for quality right down to the smallest details. And the styling of the HD500 cab is no exception. And they underwent the perfect quality control steps in the engineering and manufacturing phases.

The final result is a tough, nice looking truck with strikingly simple, modern lines. An extra-large windscreen and powerful headlamps provide outstanding visibility for safer, more confident driving. Aerodynamic enhancements not only help reduce your fuel bill but also minimize wind noise.



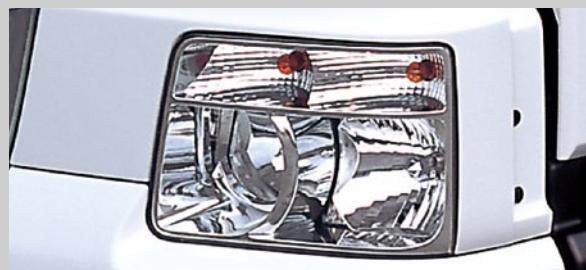
## Roof Spoiler (Air Deflector)

The spoiler improves cab aerodynamics for better fuel economy at high speeds.



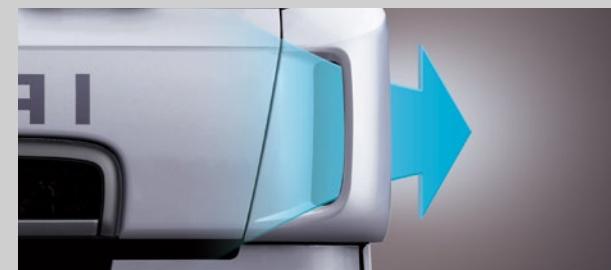
## Heated Out Side Mirrors

Rain droplets, snow and ice disappear from the side mirrors at the touch of a button thanks to the electrical heating elements built into the mirrors.



## MFR Type Headlamps

Headlamps incorporate new Multi-Focus Reflector technology to greatly extend the headlamp lighting range without blinding oncoming drivers.



## Corner Vanes

Driver fatigue has many contributing factors, among them wind noise. Aerodynamic corner vanes help to reduce wind noise and promote driver alertness.





### Multi Display

With its chromed twin bezels, the new gauge cluster features an alphanumeric graphic display and warning icons for critical functions like brake air pressure. There's also an eco-monitor which promotes more fuel efficient driving.



### Extra-Wide, Long Bunk Bed

The generously sized bunk bed is separated from the driving space providing cozy relaxation to the fatigued driver. A built-in heating pad is included.



### Overhead Console Box

Spacious storage compartments are located just above the windscreen. They're handy for storing small personal items, maps and business documents.

# Making Life On the Road Easier

On the road, your truck is your office so your efficiency and comfort are paramount. First, we made sure the HD500 cabin is extra spacious so that you can stretch out and relax plus we equipped it with a powerful heating, air conditioning and ventilation system. Second, all the gauges and switchgear have been designed and laid out to keep you in total control so that you are well informed and perfectly organized at all times. Last, but not least we added plenty of storage compartments. The driver seat is firm and supportive at the critical pressure points just like a well-engineered executive chair. And for those long cross-country trips, it's reassuring to know that the HD500 comes with a spacious bunk bed.



### Multi-Function Seat

This fully adjustable seat offers the driver a high degree of comfort and is perfectly suited for long trips.

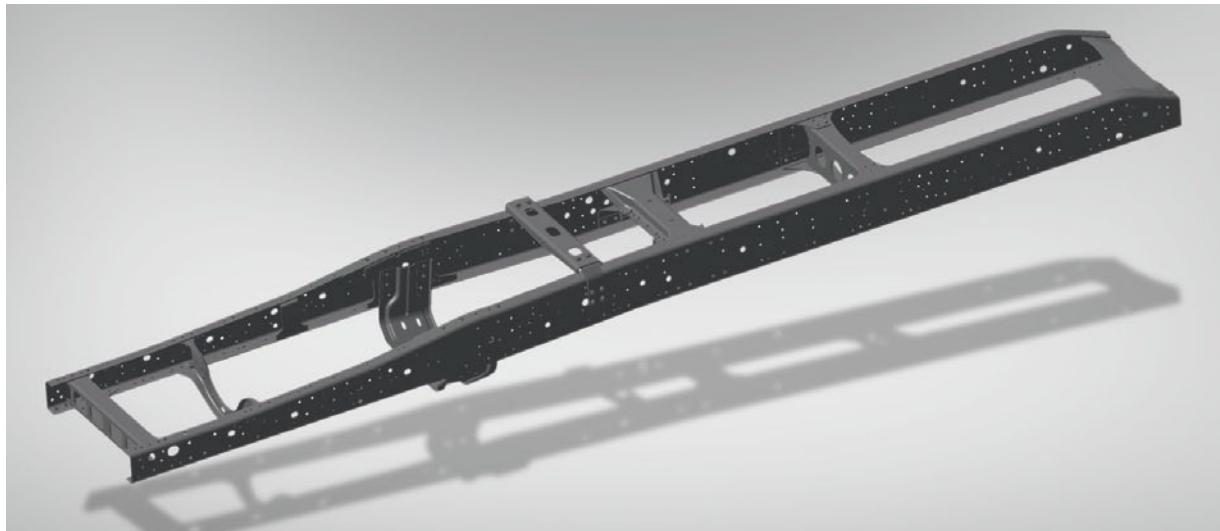
### Air Suspension Seat

With its pneumatic lumbar support and three adjustment knobs, the air cushioned suspension seat ensures an ideal posture for hours and hours of stress-free driving. (Optional on all models)

# HD500 Is the Cost-Effective Choice with a Longer Wheelbase and More Powerful Engine, It's Ready to Take on Bigger Jobs

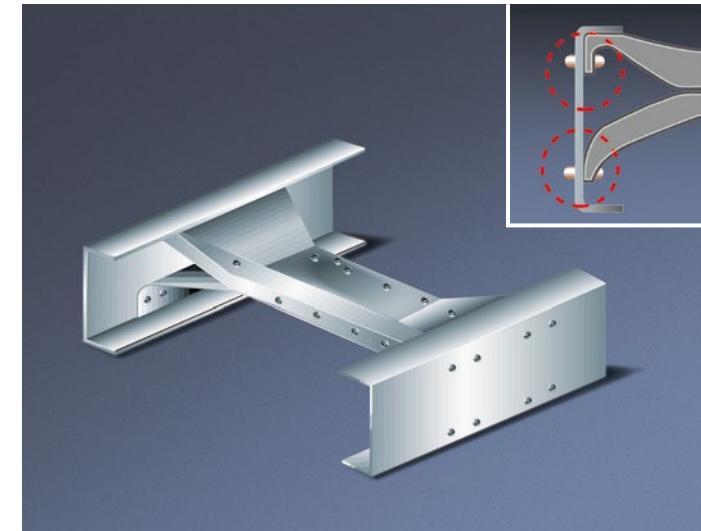


Trucks that are ever bigger, stronger and more durable: That's the Hyundai way. Before we build anything, we first listen to the voice of our customers to make sure we thoroughly understand their needs and wants. Then we deliver exactly what our customers want: No more and no less. You can always count on Hyundai to lead the way in dependability and value.



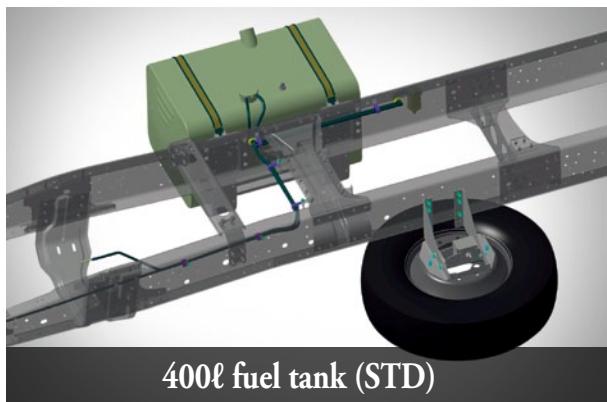
### Durable Frame

The steel ladder frame, reinforced with cross-members, ensures maximum payload capacity.

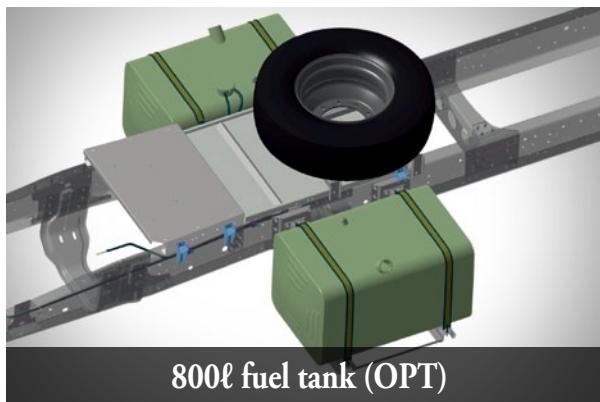


### Cross-member Reinforcement

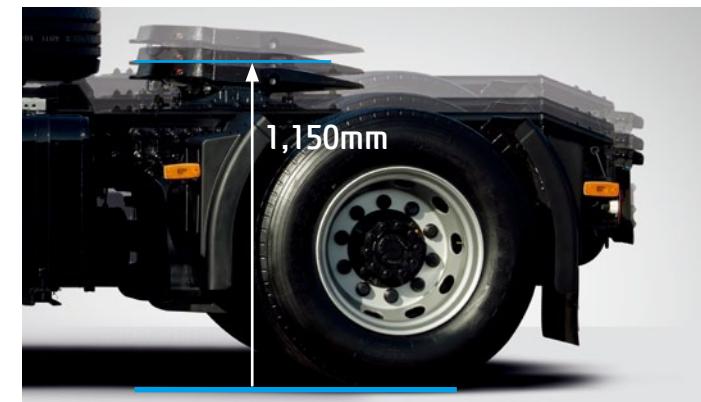
To resist torsion and flexing and achieve the highest possible degree of rigidity and strength, heavy duty cross-members are added.



400l fuel tank (STD)



800l fuel tank (OPT)



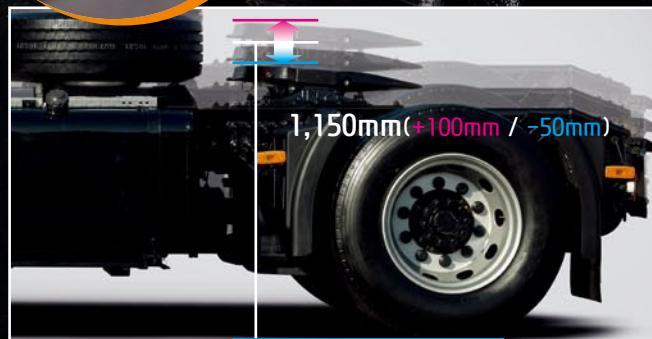
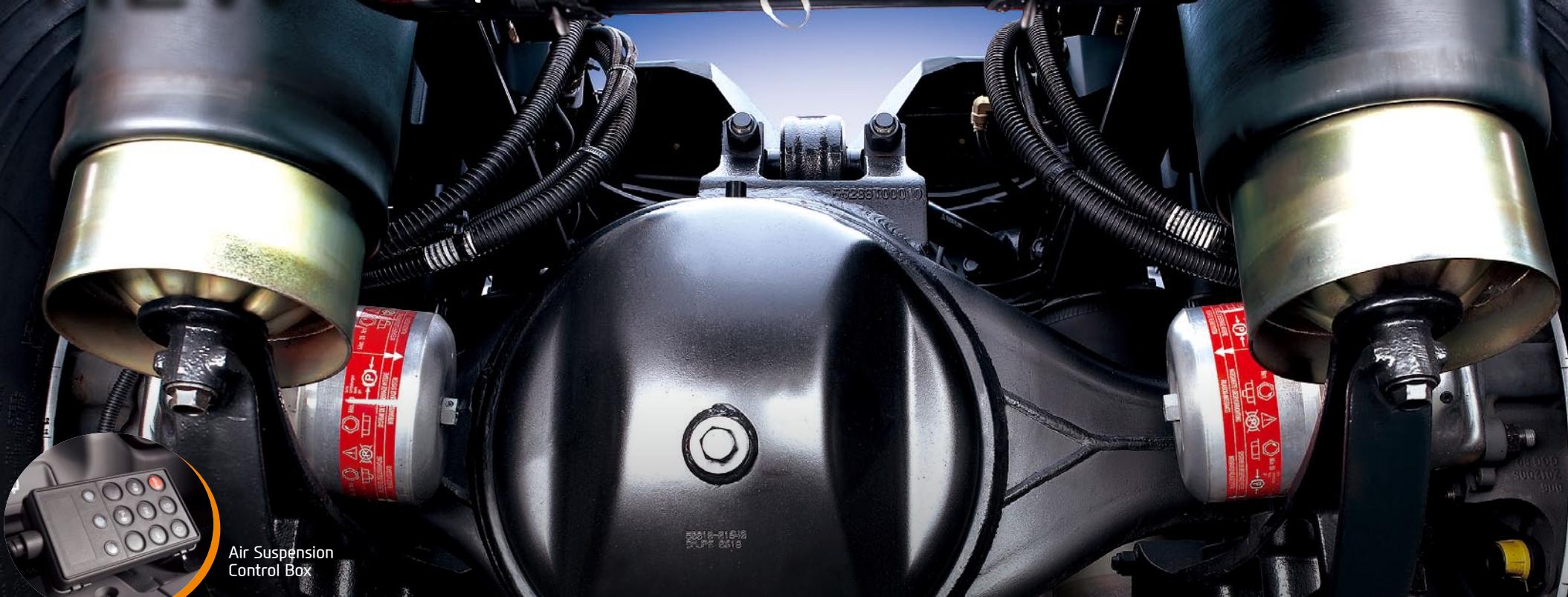
### Low Coupler Height

The single axle design is ideally suited for the transport of large-capacity containers over smooth road surfaces at high speeds. It's the perfect choice for peak efficiency and maximum profitability.

### Higher Capacity Fuel Tank

The optional 800 l fuel tank reduces refuelling stops and lets you drive long distances with confidence. The frame-mounted spare tire simplifies tire swaps.

# NEW Electronically Controlled Air Suspension (ECAS)



# Smooth and Stable All the Way

Effortlessly: That describes how the HD500 handles the biggest jobs. The reinforced ladder frame provides all the backbone. It's made of high-tensile strength steel which has been heat treated to enhance strength and rigidity so it can handle the heaviest payloads. Bolt-on cross-members work to distribute payload stresses over the frame as well as help reduce twisting and bending. And to ensure a smooth and stable ride, the frame is mated to a rugged all-steel suspension comprised of parabolic leaf springs and hydraulic shock absorbers. Frame and suspension components have been carefully tuned to optimize load distribution over a wide variety of road conditions and driving speeds.



## Powerful Rear Axle

Both front and rear axles are engineered for extra-high load bearing capacity.



### Tapered Leaf Spring (Front)

The spring mass of the front axle is reduced by the application of long-tapered parabolic springs which improve load distribution and maximize load carrying performance. Hefty dampers fine-tune performance.



### Stabilizer Bar (Front / Rear)

Stabilizer bar increases structural rigidity to more effectively absorb vibration and road shocks.

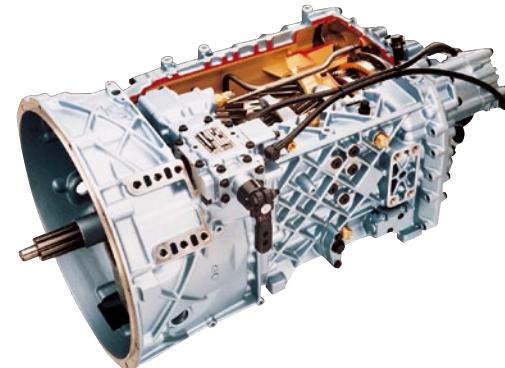
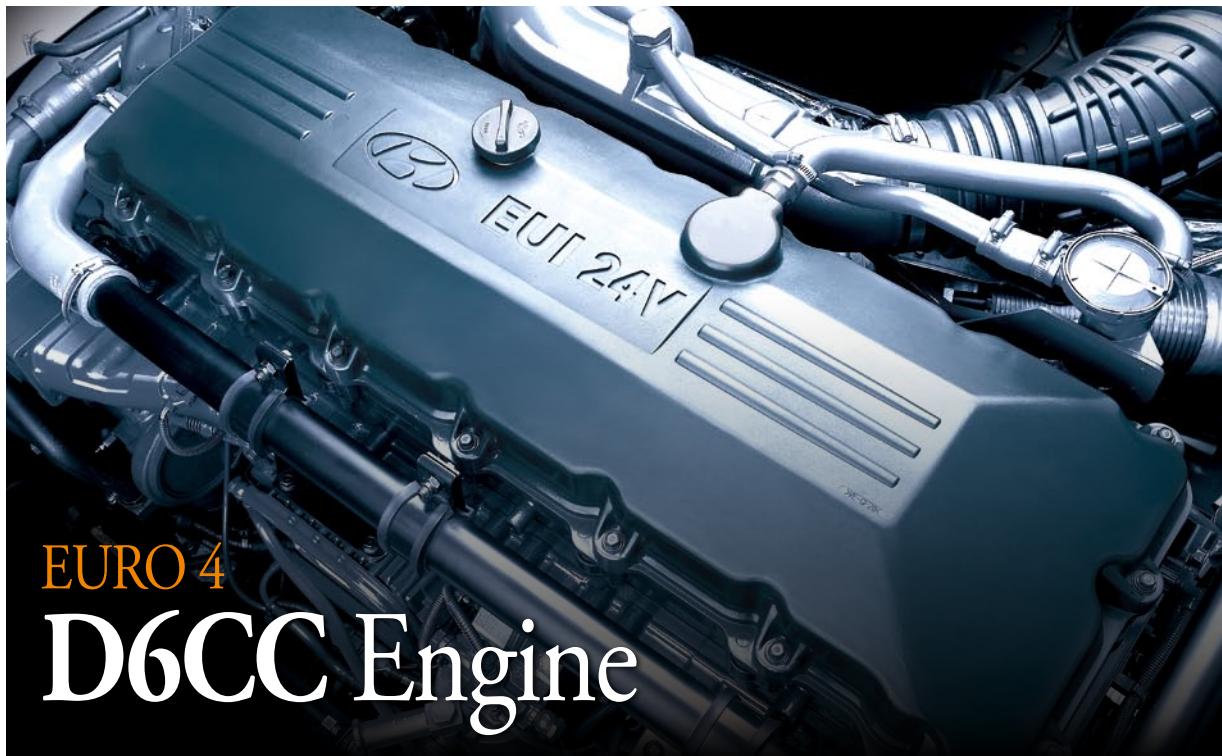


### Shock Absorber (Rear)

New hydraulic dampers improve handling and ride qualities for a more precise and comfortable travel.

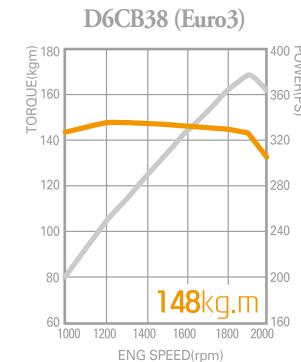
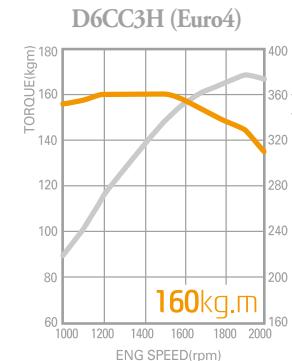
# Powerful, Reliable and Cost-effective

The engine is the heart of the HD500 and the Hyundai story. Refined and perfected over the years, the D6CC3H was designed and engineered by Hyundai to set the stand in reliability and economy. What's more, it fully complies with EURO IV, the latest emission standard. This turbocharged, intercooled inline six-cylinder diesel delivers a maximum of 380ps, providing plenty of pulling power to handle the toughest jobs. The diesel injection system is unsurpassed in dependability and it has been purposefully designed to be easy to maintain so that it will contribute to substantial cost-savings over the life of the vehicle. For those demanding absolute peak performance and operating efficiency, Hyundai now offers a 16-speed transmission from ZF as a newly available option on the HD500.



## ZF 16-Speed Transmission

Among its many advanced features, the ZF gearbox is housed in an aluminum alloy case for ultra low weight to deliver maximum fuel economy. It can be relied on for a long, trouble-free service life.

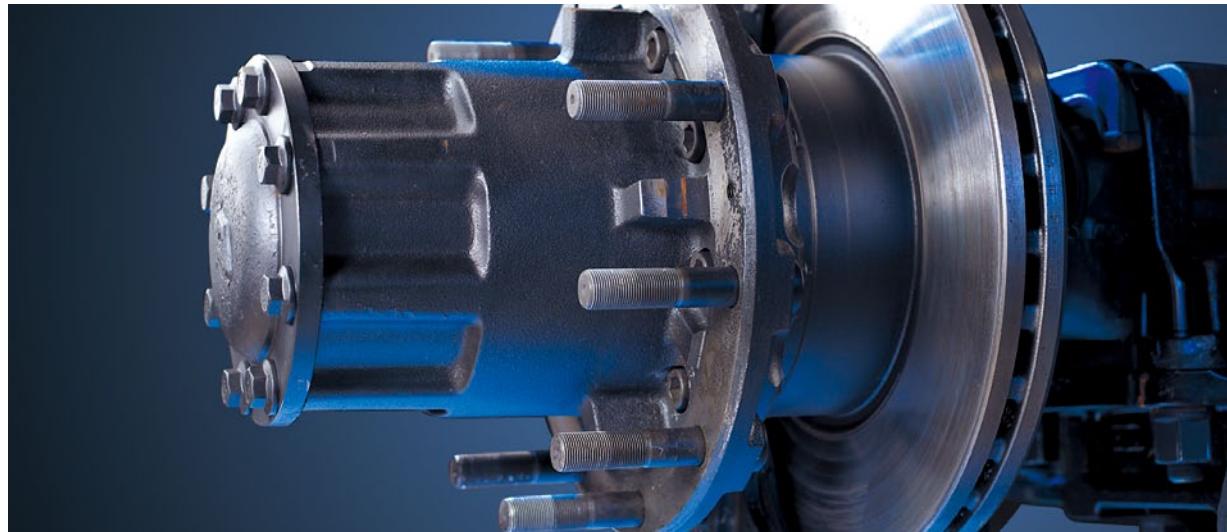


## D6CC3H (Euro4) 380ps/1,900rpm

- Displacement : 12,344cc
- Max. Torque : 160kg.m / 1,200rpm

## D6CB38 (Euro3) 380ps/1,900rpm

- Displacement : 12,344cc
- Max. Torque : 148kg.m / 1,200rpm



#### 4 wheel Disc Brake

Smooth and faster responding than drum brake. Disc brake delivers superior braking performance in wet weather and under severe repeated usage.



**Gradual Parking Brake**  
(Standard excluding optional trailer brake)

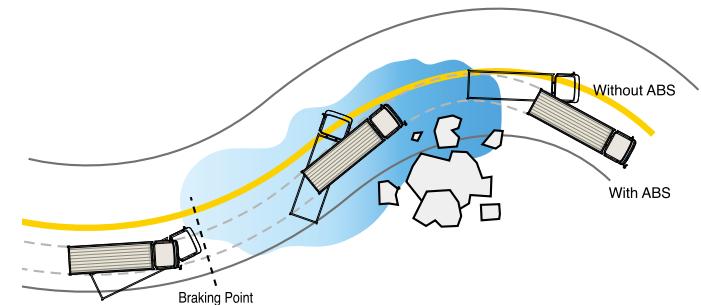


**Auto Adjuster**



**Large Capacity Air Tanks**

Safety is an integral part of Hyundai's engineering philosophy. Our commitment to safety starts with the specification of the highest grade materials starting with steel which serves as the foundation for the HD500 suspension system. For superb stopping power, the HD500 is equipped with an advanced air braking system supplemented by an exhaust brake. The Anti-Lock Braking System comes with an anti-slip regulator. For convenience, front and rear brakes can be ordered with an auto-adjustment feature to simplify brake lining maintenance. The cabin is equipped with height adjustable seat belts which come with belt tension reducers. And to protect against a side collision, ultra high tensile steel reinforcement bars are applied inside the door panels. And with the parking brake, just a light pull is all it takes to engage the pneumatic parking system.



#### ABS with ASR (Anti-Slip Regulator)

This ABS (Anti-locking Brake System) brings the vehicle to a safe, controlled stop and its superiority is best demonstrated under slippery driving conditions. The driver can apply maximum pressure on the brake pedal without worrying about wheel lock, skidding and subsequent loss of control. ABS/ASR help the driver maintain full directional stability of the vehicle at all times and avert a potentially dangerous situation.

# Less Downtime, More Profits

Every detail of the HD500 is designed to simplify maintenance and repair procedures so that you can spend more time on the road and generate more profit. The front service panel provides quick and easy access for visual inspection of vital fluids, air filter replacement. For security reasons, the front panel release lever is located inside the cabin. The cab tilts to an extra-wide 50 degrees to provide easy access to the engine bay.

A manual hydraulic lift mechanism is standard on the Deluxe trim. The Super trim features an electrically controlled hydraulic lifter. The cab tilt switch is located behind the cab which for security reasons is key-operated.



## Electric-Tilting Cab

Periodic checks and servicing are easier than ever thanks to the 50-degree tilting cab which provides quick and easy access to the engine compartment.



## Specifications

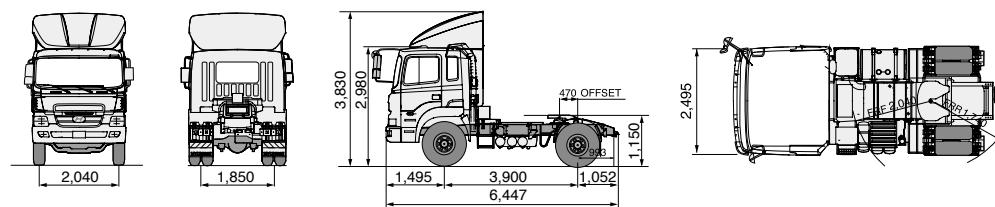
ITEM	MODEL	HD500					
Application Engines	D6CA38	D6CB38	D6CC3H				
<b>Dimensions (mm)</b>							
Wheel Base		3,900					
Overall (C/Cab)	Length	6,447					
	Width	2,495					
	Height(Air Deflector)	2,980 (3,830)					
Wheel Tread	Front / Rear	2,040 / 1,850					
Overhang	Front / Rear	1,495 / 1,052					
Coupler	Type	1 Axle					
	King Pin Diameter	2 Inch					
	K Height(mm)	170					
	Ground Height(mm)	1,150					
	Fitting Radius Front	2,040					
	Fitting Radius Rear	1,740					
	Body Offset	470					
	Loading Capacity(kg)	20,000					
	Min. Ground Clearance	250					
<b>Weight (kg)</b>							
Empty Vehicle Weight	7,702	7,672	7,708				
Front	5,010	4,980	5,016				
	2,692	2,692	2,692				
** Max Gross Vehicle Weight	21,000						
Front	8,000						
	13,000						
Max. Gross Combination Weight	50,000						
** Max. GVW includes the front & rear axle loads based on the permissible tire load.							
<b>Calculated Performance</b>							
Max. Speed	km/h	103/106(zf)	104/107(zf)				
Max. Gradeability	tan θ	0.262/0.360(zf)	0.284/0.390(zf)				
Min. Turning Radius (m)		7.6					
<b>Engine</b>							
Model	D6CA38	D6CB38	D6CC3H				
Type	Turbo Charger Intercooler 4 stroke-cycle, water-cooled, direct-injection diesel engine						
Number of Cylinder	6 in-line						
Piston Displacement (cc)	12,920	12,300					
Bore x Stroke (mm)	130 x 155						
Compression Ratio	17 : 1						
Max. Power (ps/rpm)	380/1,900 (Euro 2)	330/1,900 (Euro 3)	380/1,900 (Euro 4)				
Max. Torque(kg.m/rpm)	148/1,500 (Euro 2)	148/1,200 (Euro 3)	160/1,200 (Euro 4)				

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

Transmission											
Engine	D6CA38		D6CB38		D6CC3H						
Model	H160S2X5(D/D)	ZF16S151(O/D)	H160S2X5(D/D)	ZF16S151(O/D)	H160S2X5(D/D)	ZF16S151(O/D)					
<b>Rear Axle</b>											
Model	D12H	T18H	D12H	T18H	D12H	T18H					
Type	Full floating type										
Capacity (kg)	13,000										
Final gear reduction	Type	Single reduction, Hypoid gear									
gear	G/Ratio	4.333	3.909	4.333	3.909	4.333					
Gear Oil	API service classification GL5 and SAE service classification 80W/90										
<b>Front Axle</b>											
Type	Reverse Elliot type "I" beam										
Capacity (kg)	8,000										
<b>Tire &amp; Wheel</b>											
Type	Single Front, Dual Rear										
Tire	Front	315/70R 22.5									
	Rear <td data-cs="5" data-kind="parent"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td> <td data-kind="ghost"></td>										
<b>Brake</b>											
Service Brake	Full Air, front/rear disc										
Exhaust Brake	Air operated, butterfly valve type										
Jake Brake	Injection cam operated type										
<b>Suspension</b>											
Type	Front	Taper leaf spring									
	Rear	Air spring									
<b>Fuel tank</b>											
Capacity	400 liter (STD) / 400+400 liter (OPT)										
Material	Steel										

### 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.





## 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**  
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