www.**hyundai-ce**.com

HA45HD

Articulated Dump Truck

TIER2



* Photo may include optional equipment.

Net Weight	Max Power	Max Body Volume	Max Payload
33,574 kg	368 kW (500 HP)	26.0 m^3	41,000 kg

HD CONSTRUCTION EQUIPMENT

Head Office (Sales Office)
14F, GLOBAL R&D CENTER, 477 BUNDANG SUSEO-RO, BUNDANG-GU, SEONGNAM-SI, GYEONGGI-DO, 13553, KOREA

PLEASE CONTACT

2026. SEP

HYUNDAI

WHAT'S NEW AND BEST

PRODUCTIVITY & EFFICIENCY

- Powerful Tier2 / Stage5 (Option) Engines
- Full Automatic Power Shift Transmission
- 3 Rigid Axles with Permanent 6-Wheel Drive
- Automatic and Manual Differential Lock Modes
- 100% Differential Hydraulic Lock
- Optimized Suspension Cylinder
- Flat Frame Design
- Heated Body Option

COMFORT

- Spacious ROPS/FOPS Cab
- Climate Control & Air Suspension Seat
- Ventilated, Heated Seat Option
- Power Steering
- Electronically Managed Body Hoist Lever
- Automatic/Manual Suspended Cab
- Extra Storage Space
- Electrically Adjustable Mirrors Option

SERVICEABILITY

- Ground Level Access to Key Service Areas
- Full Open Bonnet Design with Electric Actuator
- Reversible Fan for Transmission Oil Cooler
- Oil Cooled Wet Disc Brakes
- Large Volume Auto Greasing System Option
- Simple Access Engine Room with Ladder Option
- Integrated Maintenance Information
- Telematics Management System

SAFETY

- Rear Access Cabin Door
- Fenders and Handrails
- Inclination Indicator, Right, Left and Roll Slope
- Wide View Window Visibility
- Enhanced Transmission Retarder
- Hydraulic Parking Brake
- Transparent Bonnet with Object Detection SAVM Option
- Tire Pressure Monitoring System Option

SMART

- Auto Body Raise/Down
- Brake Hold
- Hill Start Assistant
- Smart 12" Android Display
- Payload Weighing
- Rear Camera
- Smart Around View Camera Option
- Smart Key Option



* Photo may include optional equipment.

PRODUCTIVITY & PERFORMANCE THE ULTIMATE ADT

Permanent 6-Wheel Drive with three rigid axles delivers outstanding traction and driving performance while maintaining a simple and durable driveline structure.

The optimized hydro-gas suspension system and advanced traction control technology improve productivity and ride comfort.

Front and rear differentials feature 100% hydraulic locking, while the automatic longitudinal differential lock maximizes traction in challenging ground conditions

* Photo may include optional equipment

Travel speed

Up to 55 km/h travel speed and Tip-tronic gear shift provide smoother operation whilst maintaining maximum momentum. The truck can also be run in both automatic and manual gears.



Load retention

Adjustable hydraulic retarder keeps the machine's speed constant on downhills, without the support of service brakes. A sloping chassis keeps more fluid or wet materials including gravel inside the tipping body. An optional rear tailgate increases body capacity and improves load retention for greater working efficiency.

Unloading

The optional heated body prevents frozen material sticking to it, enabling quicker and easier unloading.



* Photo may include optional equipment.

RELIABILITY AND EFFICIENCY

Tier2 / Stage5 (Option)

Intelligent design for improved economy



Suspension

Our self-leveling, hydro-gas front suspension system provides outstanding performance in rough terrain, especially when the machine is empty. It can also be adjusted to match changing working conditions.



Differential and driveline

Our design has one rear differential and a simple driveline, resulting in fewer moving parts for easier and lower cost maintenance.

Payload

Our standard real-time payload and load count meter provide both operator and owner with an immediate productivity report. External indication lights on the HA45HD (optional) help load the body more efficiently.





Powerful and cost effective

Proven Tier2 / Stage5 (Option) engines deliver 368 kW (500 HP) to the HA45HD, providing high torque at low rpm with low fuel consumption.

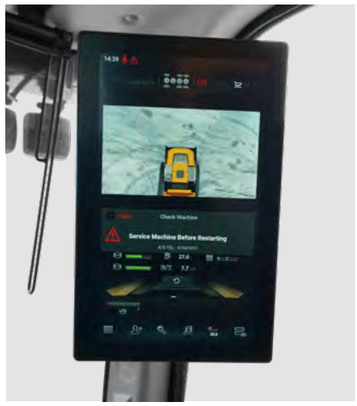
COMFORTABLE AND ERGONOMIC

A spacious cab and easy-to-use controls are essential for optimum operator comfort and productivity. HA45HD has all that and more, providing the perfect office environment for long working hours some of the toughest conditions.

Our spacious ROPS/FOPS cab is equipped with climate control and a high-quality operator seat with air suspension and armrest, for greater operator comfort.

* Photo may include optional equipment.

Comfort for efficient operation



LCD display

The 12-inch Android Display Monitor shows all control and safety information including SAVM (Optional).



Convenience

A radio as standard supports all modern features including MP3, DAB and Blue-tooth.
There are plenty of storage spaces and extra room designed to fit a cool or hot box. An additional 12V power supply is also provided.
Just 1 key locks and unlocks all the doors and also starts the engine.
Electrically heated and adjustable mirrors are optionally available.



Hoist lever

An electronically managed body hoist lever is easy to operate with fingertip control. It incorporates a higher body up speed and an automatic body down feature, with soft touch, to keep you safe at all times.









Seat

A comfortable seat is important to every operator, so we provide an air-suspension seat with armrests as standard.

Focus

Precise steering, good visibility and low noise levels, provide additional comfort and quiet.
The cab is mounted on a special rubber suspension to reduce vibration and conduction of noise into the cab.



FULLY EQUIPPED FOR SMARTER, SAFER WORKING

* Photo may include optional equipment.

Auto Body Control

One-touch automatic body raise and lower functions simplify dumping operations, reduce operator workload, and improve productivity while ensuring safe body movements.





Brake Hold

Automatically maintains machine position during repeated stops for loading, waiting, or dumping operations, reducing operator fatigue and improving convenience.

Hill Start Assist

Prevents unintended rollback when starting on slopes by automatically maintaining brake pressure, providing greater confidence and safety on inclines.

Visibility

A sloping hood design provides the operator with an excellent view.



SIMPLE SERVICING INCREASES UPTIME

The HA45HD has been designed with longer lasting parts and easier servicing and maintenance, to save time and reduce costs. After all, less downtime means more time working and ultimately more time earning money.

Less wear and tear

Equal weight distribution ensures the same load on every tyre on every tyre, resulting in less wear but greater traction. Oil-cooled wet disc brakes have a service life of up to 15,000 hours. New steel bearings last at least 12,000 hours.

A simplified cab tilt gives easy service access to the machine.

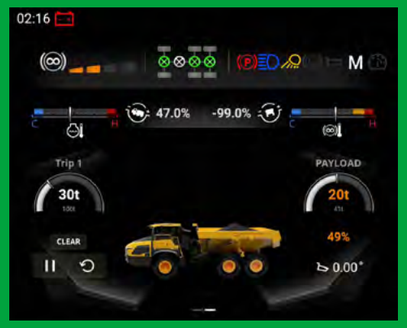
Convenient access

Easy ground level access to key service areas like diesel filling points and filters.





Multifunctional service and maintenance display makes it easy to check transmission oil level, plus hydraulic and electronic components.



One rear differential and a far simpler driveline means fewer moving parts, for easier and more economical maintenance.

* Photo may include optional equipment.

SERVICEABILITY AND TELEMATICS

The HA45HD is designed for easy maintenance and efficient machine management, helping reduce downtime and operating costs.



* Photo may include optional equipment.

HiMATE

Tier2 / Stage5 (Option)

IT'S CONVENIENT, EASY AND VALUABLE

Hi-mate Hyundai's newly developed remote management system, utilizes GPS-satellite technology to provide customers with the highest level of service and product support available. Hi-mate enables users to remotely evaluate machine performance, access diagnostic information, and verify machine locations at the touch of a button.

WHAT ARE BENEFITS

Increase Productivity

It helps you operate machines efficiently. You can check the difference between total engine hours and actual working hours. See how productive your machines are and plan any required cost saving solutions. Hi-mate offers working information such as working / idling hours, fuel consumption and rate.

Convenient and Easy Monitoring

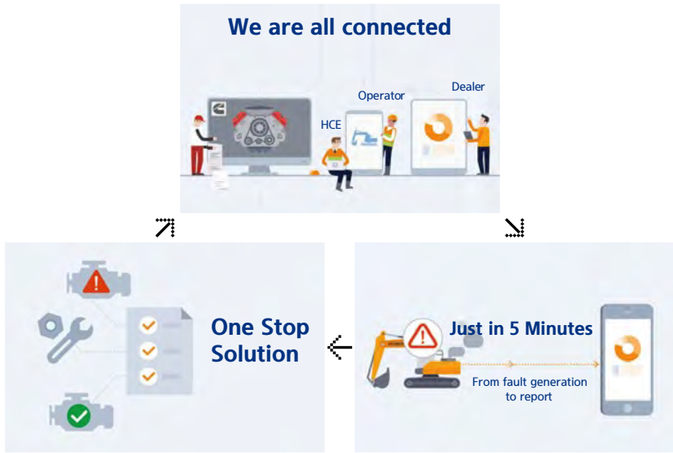
There is nothing much to do to monitor your machines. Just log on to the Hi MATE website or mobile application. Hi MATE allows you to watch your machines whenever and wherever you are.

Security

Protect your machines from theft or unauthorized usage with Hi MATE. If the machine moves out of the Geo-fence boundary, you will get alerts.

ECD(Engine Connected Diagnostics)

It supports service technicians with remote diagnostics report and ensure it arrive on site with proper tools after preparing in advance.



Fully Openable Engine Hood

The HA45HD has improved accessibility to the sealed engine room with a retractable hood to allow easy cleaning and maintenance. The engine room was designed to prevent the possibility of fire due to inflow of foreign materials. The fully retractable engine hood in the electric actuator opening mode also enhances maintainability of the engine room and cooling room.



Easy Filter Replacement

With easy filter replacement, the machine can be managed more easily



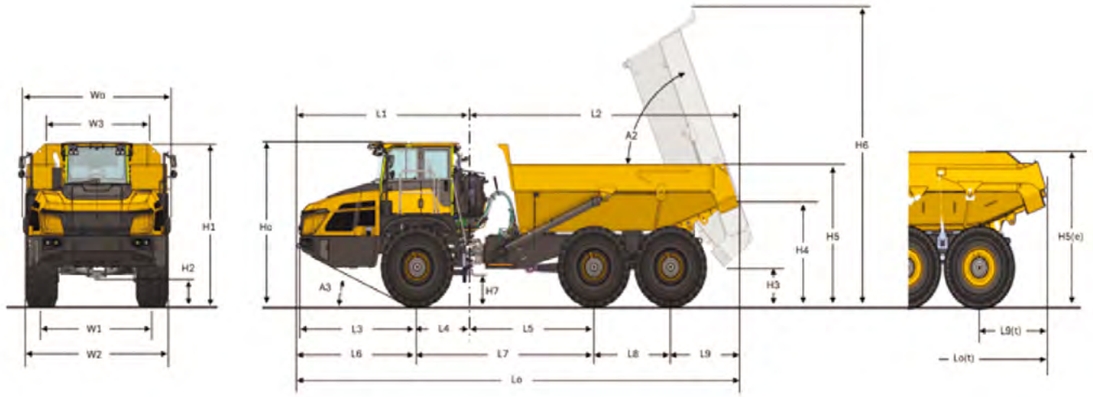


Superior Service Access

The fully opening engine hood



SPECIFICATIONS



ENGINE	
Model	Scania DC13
Rated Power (SAE J1995 Gross)	368 kW / 2,100 rpm
Max. Torque (SAE J1995 Gross)	2,373 Nm / 1,300 rpm
No. of Cylinders	6
Displacement	12.7 liter
Bore Diameter × Stroke	130 x 160 mm

TRANSMISSION	
Type	8 Speed forward, 4 Speed reverse Full auto, Power-shift, Countershaft
Torque converter stall ratio	1.854
Travel Speed - Forward	6 / 8 / 12 / 17 / 24 / 34 / 47 / 55 (km/hr)

AXLE	
Model (Front / Center / Rear)	MT-D3110II / MT-D3110II / MT-D3110II
Differential Type	DHL (DIFFERENTIAL HYDRAULIC LOCK)
Reduction ratio	21.202

TIRES & RIMS	
Standard	Tire 29.5R25 E3, Rim 25.00 / 3.5 - 25
Option	Tire 875/65R29 E4, Rim 27.00 / 3.5 - 29

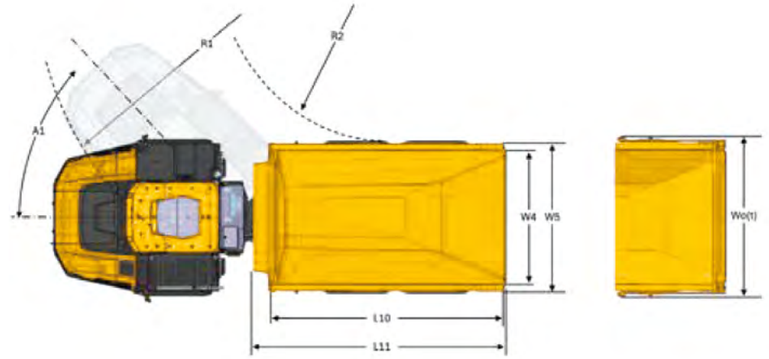
BODY	w/o Tailgate	w/ Tailgate
Body Capacity (Struck)	19.6 m^3	20.4 m^3
Body Capacity (SAE 2 : 1 Heaped)	24.4 m^3	26.0 m^3
Payload	41,000 kg	

WEIGHT	Empty	Loaded
Front Tires	18,926	22,844
Center Tires	7,324	25,865
Rear Tires	7,324	25,865
Total	33,574	74,574

REFILL CAPACITIES	
Fuel Tank	492 liter
Engine Coolant	59 liter
Transmission Oil	88 liter
Axle Oil (Front / Center / Rear)	60/60/60 liter
Hydraulic Oil Tank	103.5 liter

SOUND LEVEL	
In Cabin (ISO 6396)	73 dB
External (ISO 6395)	109 dB

DIMENSIONS



DIMENSIONS			
Overall Length	Lo	mm	11,311
Overall Length (Tail Gate)	Lo(t)	mm	11,332
Overall Width	Wo	mm	3,589
Overall width (Tail Gate)	Wo(t)	mm	3,634
Overall Height	Ho	mm	3,745
Body Height (Front)	H1	mm	3,700
Ground Clearance	H2	mm	648
Body Clearance, Fully Tipped	H3	mm	784
Body Lip Height	H4	mm	2,283
Load-Over Height	H5	mm	3,240
Load-Over Height (Extension)	H5(e)	mm	3,490
Body Height, Fully Tipped	H6	mm	7,167
Center Hinge Clearance	H7	mm	718
Front Wagon Length	L1	mm	4,381
Rear Carriage Length	L2	mm	6,931
Front Axle to Machine Front	L3	mm	3,000
Front axle to Center Hinge	L4	mm	1,300
Center Hinge to Mid Axle	L5	mm	3,220
Front Axle to Front Tow hook	L6	mm	3,080.5
Front Axle to Mid Axle	L7	mm	4,520
Mid Axle to Rear Axle	L8	mm	1,960
Rear Axle to Body End	L9	mm	1,751
Rear Axle to Body End (Tail Gate)	L9(t)	mm	1,771
Length Body Inside	L10	mm	5,759
Length Body Outside	L11	mm	6,277
Tread	W1	mm	2,690
Width over Tires	W2	mm	3,488
Width Body Front	W3	mm	2,424
Width Body Inside	W4	mm	3,074
Width Body	W5	mm	3,386
Steering Angle	A1	deg.	45
Fully Tipped Angle	A2	deg.	70
Approach Angle	A3	deg.	25
Outer Turning Radius	R1	mm	8,726
Inner Turning Radius	R2	mm	4,051

* Unloaded machine with 29.5R25 tires
* Specifications and dimensions may vary by configuration and optional equipment.

MEMO