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PLEASE CONTACT

HA45HD

Articulated Dump Truck

TIER2

* Photo may include optional equipment.



Net Weight
33,574 kg

Max Power
368 kW (500 HP)

Max Body Volume
26.0 m³

Max Payload
41,000 kg

HYUNDAI

WHAT'S NEW AND BEST

HA45HD

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.

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.



RELIABILITY AND EFFICIENCY

Tier2 / Stage5 (Option)



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.

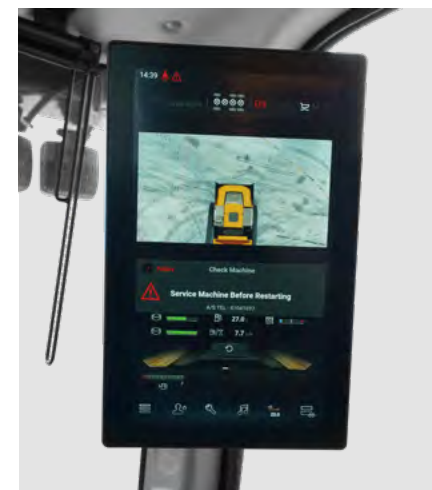
COMFORTABLE AND ERGONOMIC

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.

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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.

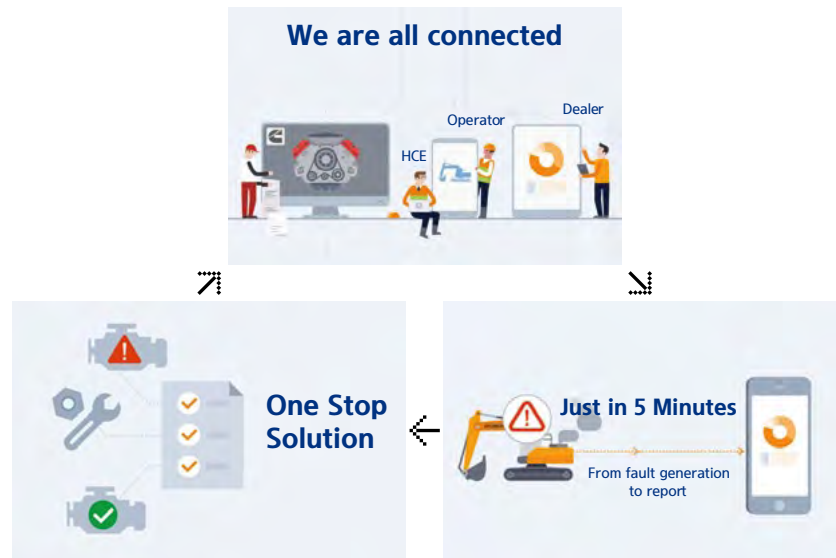


Security

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



Technical drawings of a yellow dump truck, showing front, side, and rear views with dimension lines and labels.

Front View Dimensions:

- W0: Overall width
- W3: Width of the upper body
- H1: Overall height
- H2: Height of the lower body
- W1: Wheelbase
- W2: Track width

Side View Dimensions:

- L1: Wheelbase
- L2: Distance from front axle to the rear of the body
- L3: Distance from front axle to the front of the body
- L4: Distance from front axle to the front of the chassis
- L5: Distance from front axle to the front of the rear axle
- L6: Distance from front axle to the front of the rear axle
- L7: Distance from front axle to the front of the rear axle
- L8: Distance from front axle to the front of the rear axle
- L9: Distance from front axle to the front of the rear axle
- Lo: Overall length
- H0: Overall height
- H3: Height of the rear axle
- H4: Height of the body
- H5: Height of the body
- H5(e): Height of the body
- H6: Height of the body
- A1: Angle of the body
- A2: Angle of the body
- A3: Angle of the body
- H7: Height of the body

Rear View Dimensions:

- L9(t): Track width
- Lo(t): Overall length

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)

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

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

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

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