

Articulated Dump Truck **D-Series**

AH400-D / AH350-D / AH300-D / AH250-D

■ **Engine Net Power**

AH400-D 308 kW (413 HP) / AH350-D 283 kW (380 HP)

AH300-D 198 kW (266 HP) / AH250-D 198 kW (266 HP)

■ **Rated Payload**

AH400-D 37 000 kg (81 570 lb) / AH350-D 32 500 kg (71 650 lb)

AH300-D 27 300 kg (60 190 lb) / AH250-D 23 200 kg (51 150 lb)

■ **Operating Weight**

AH400-D 28 850 kg (63 620 lb) / AH350-D 26 725 kg (58 940 lb)

AH300-D 18 000 kg (39 690 lb) / AH250-D 17 500 kg (38 590 lb)

■ **Body Capacity: SAE, PCSA(2:1) Heaped**

AH400-D 22.5 m³ (29.4 yd³) / AH350-D 20.0 m³ (26.2 yd³)

AH300-D 16.5 m³ (21.6 yd³) / AH250-D 13.8 m³ (18.1 yd³)





Stable Powerful Economical

PERFORMANCE

High power and torque engines with the right torque curve characteristics are perfectly matched to smooth-shifting, efficient transmissions in a light, yet strong chassis, providing class leading power and payload to weight ratios, to maximize cycle speed and efficiency. The AH400-D's higher standard specification includes new wet disc, full-hydraulic activated brakes which boost braking force and decrease stopping distances, while providing unaffected performance in deep mud applications.

EVB(Engine Valve Brake) and exhaust brake as primary retarders are stronger and more efficient, and substantially contribute to strong downhill retardation. In addition, D-series has the transmission output retarder as main retarder.



PRODUCTIVITY

Hitachi machines feature high power to weight ratios, and now combined with larger payloads, more stopping power and comfortable cabs, operators will be able to produce faster cycle times, delivering more material throughout the longest shifts.



ECONOMY

Highly fuel-efficient, electronically managed diesel engines coupled to efficient planetary automatic transmissions in a light overall package deliver higher torque at lower revs where less fuel is burned. The transmission spends as much time as possible in lock-up mode to save fuel.



OFF-ROAD PERFORMANCE

Six-wheel drive ADT's perform best when they are built light, with evenly laden axles, equal torque split to each axle, high suspension travel and good ground clearance and approach angles.



Better comfort and ease of operation boosts operator performance.

COMFORT

The all-new ROPS and FOPS steel framed operator cabins, have fewer pillars for excellent all-round vision. Inside, the soft touch, wrap around dashboard gives an automotive feel, and all controls are clustered and within easy reach.

A dedicated ADT instrument cluster provides all operational data, along with diagnostic displays and malfunction warnings.

The latest full-hydraulic orbital steering system provides smooth, low effort, yet direct steering.



(This picture is for AH400-D / AH350-D)

SIMPLE, AUTOMATIC AND ABUSE-PROOF OPERATION

It is Hitachi's mission to provide the market with simple to operate machines, as skilled plant operators are hard to come by.

Starting with the fully automatic transmission with *touch pad shift control, automatic gear downshifts and retarder activation to the *abuse-proof CTD(Controlled Traction Diffs) differentials - operators are able to concentrate on the job at hand, while giving the owners peace of mind from possible costly machine damage.

*AH400-D / AH350-D Only



(AH400-D Mining Body)

LOW MAINTENANCE AND HIGH SERVICEABILITY

Extended service intervals and the use of modern, low maintenance bearing materials, long life synthetic transmission and transfer case oils have reduced the D-Series maintenance requirements.

The entire driveline, electric and hydraulic components as well as all electronics are fully accessible via easy to get to tilt bonnets and cabs, belly plates and hinged door panels.

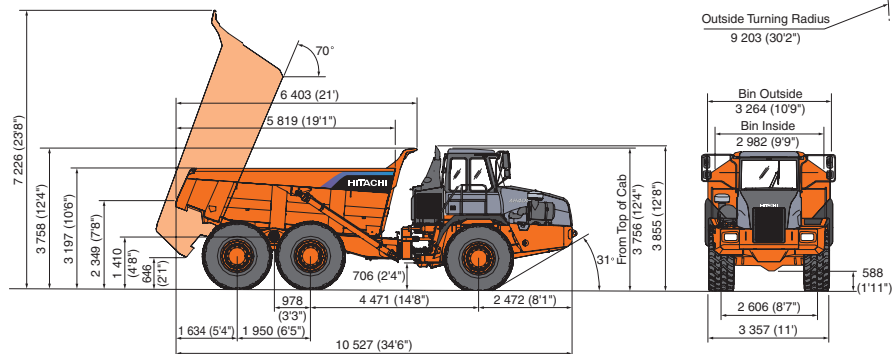
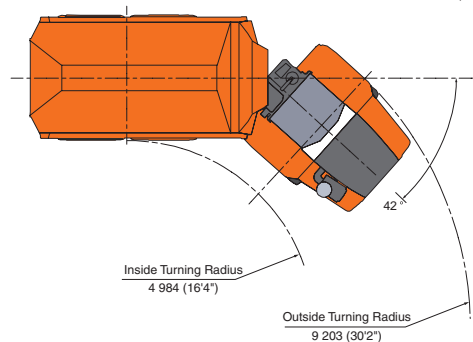




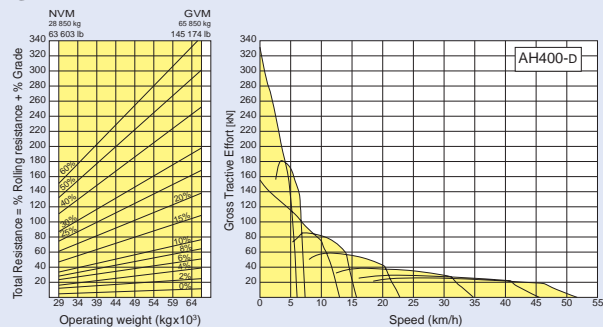
AH400-D

DIMENSIONS

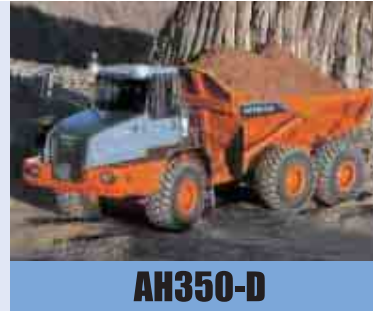
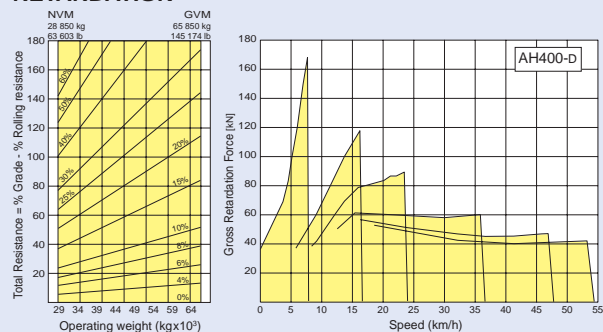
Unit : mm (ft in)



GRADEABILITY



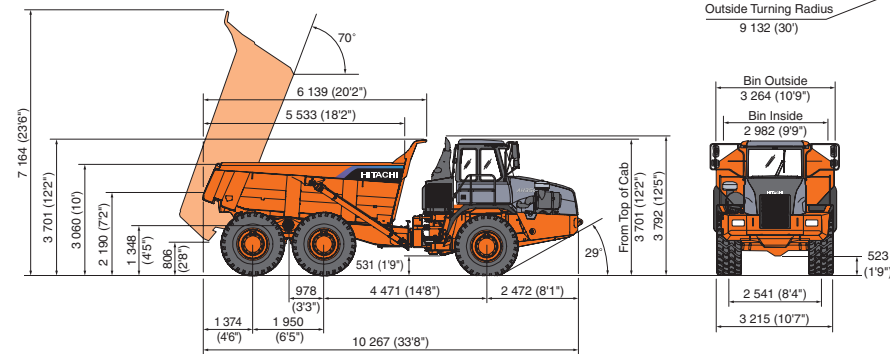
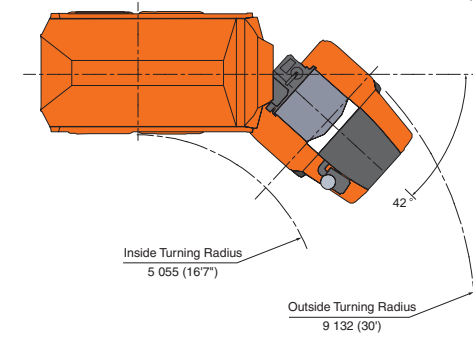
RETARDATION



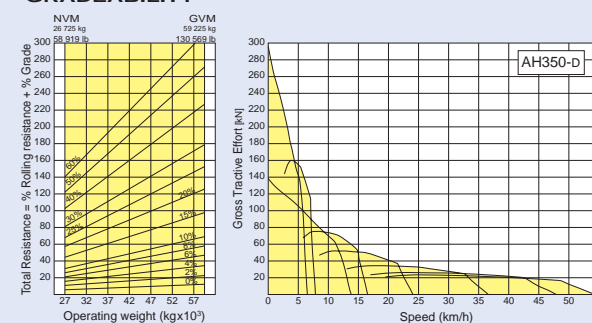
AH350-D

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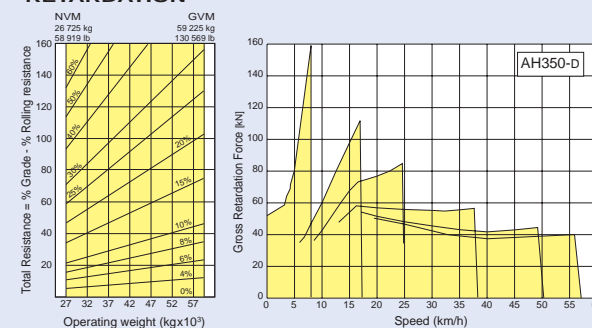
Unit : mm (ft in)



GRADEABILITY



RETARDATION

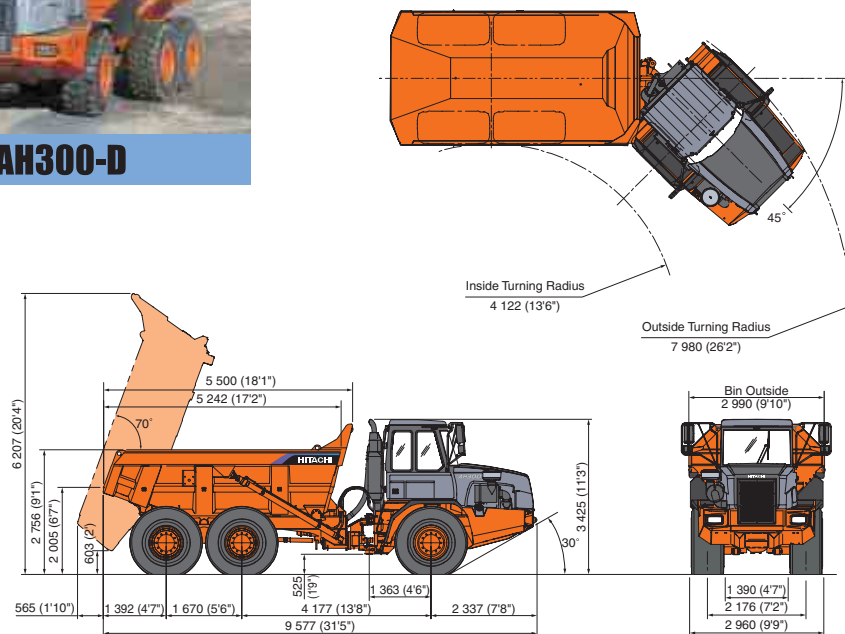




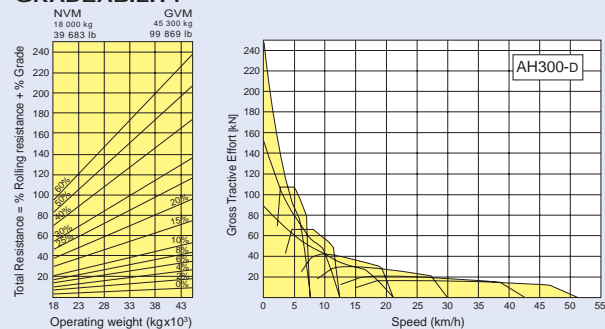
AH300-D

DIMENSIONS

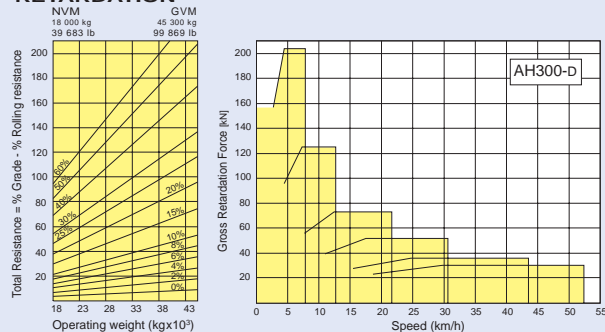
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GRADEABILITY



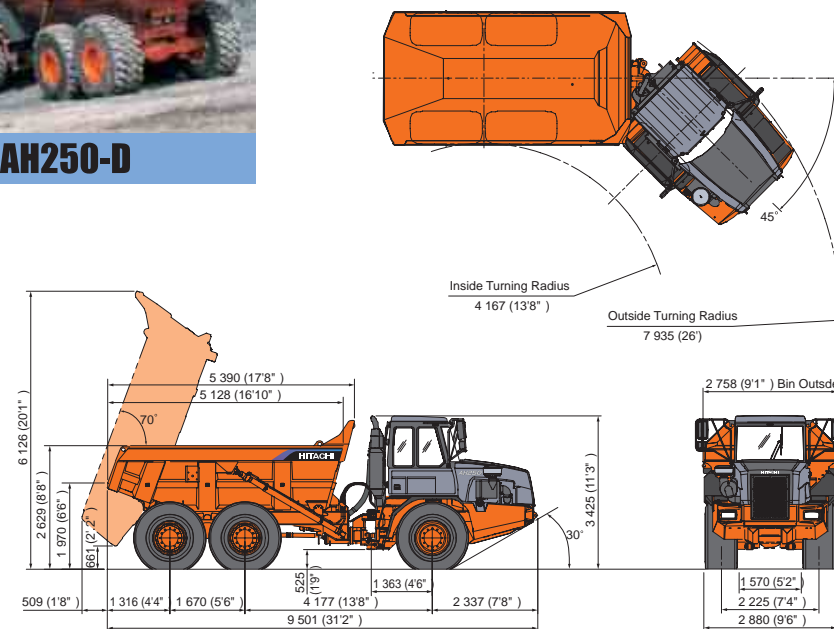
RETARDATION



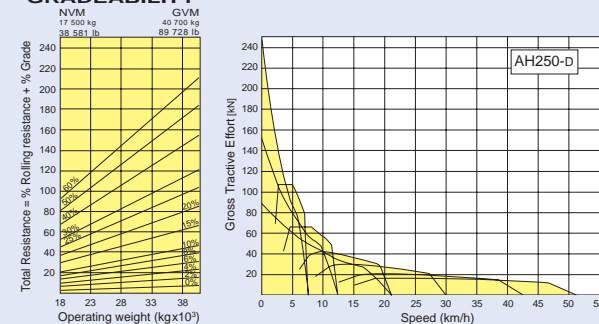
AH250-D

DIMENSIONS

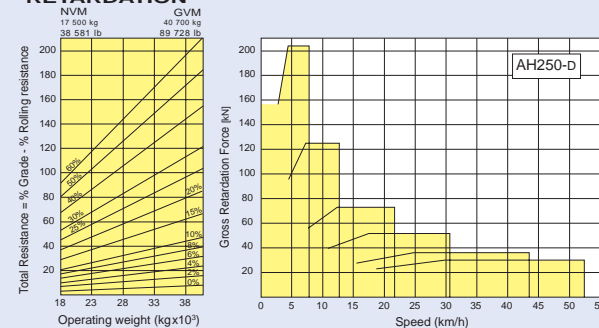
Unit : mm (ft in)



GRADEABILITY



RETARDATION



Articulated Dump Truck D-Series



⊙: Standard equipment

○: Optional equipment

N/A: With no set up

STANDARD & OPTIONAL EQUIPMENT

	AH400-D	AH350-D	AH300-D	AH250-D
WHEELS AND TYRES				
23.5 R25	N/A	N/A	⊙	⊙
26.5 R25	N/A	⊙	N/A	N/A
29.5 R25	⊙	N/A	N/A	N/A
Tyre valve guards	⊙	⊙	⊙	⊙
DRIVELINE				
Control traction differential	⊙	⊙	N/A	N/A
Limited slip differential	N/A	N/A	⊙	⊙
Inter axle differential lock	⊙	⊙	⊙	⊙
Engine valve brake (EVB)	⊙	⊙	⊙	⊙
Engine exhaust brake	⊙	⊙	⊙	⊙
Transmission Retarder	⊙	⊙	⊙	⊙
Wet disc brakes	⊙	N/A	N/A	N/A
Dry disc brakes	N/A	⊙	⊙	⊙
CHASSIS AND LOAD BODY				
STD wheel base	⊙	⊙	⊙	⊙
Mining body without liners	○	○	N/A	N/A
Body without liners	⊙	⊙	⊙	⊙
Body liners	○	○	○	○
OPERATORS STATION				
Air suspension seat	⊙	⊙	⊙	⊙
Arm Rests for Operators Seat	⊙	⊙	⊙	⊙
Lockable doors	⊙	⊙	⊙	⊙
Door hold open strut	⊙	⊙	⊙	⊙
Tinted safety glass windows	⊙	⊙	⊙	⊙
Electric rear view mirror	⊙	⊙	⊙	⊙
Seat belts ISO tested	⊙	⊙	⊙	⊙
Document pocket	⊙	⊙	⊙	⊙
Ash trays	⊙	⊙	⊙	⊙
Drinks holder	⊙	⊙	⊙	⊙
Sun visor	⊙	⊙	⊙	⊙
ROPS cab - air conditioner	⊙	⊙	⊙	⊙
Air cooled compartment	⊙	⊙	⊙	⊙
Trainer seat (ISO tested)	⊙	⊙	⊙	⊙
Cigar lighter/power point 12V	⊙	⊙	⊙	⊙
Tilt /telescopic steering column	⊙	⊙	⊙	⊙

	AH400-D	AH350-D	AH300-D	AH250-D
FUNCTION READOUTS				
Tachometer and speedo	⊙	⊙	⊙	⊙
Engine coolant temp	⊙	⊙	⊙	⊙
Engine oil press	⊙	⊙	⊙	⊙
Fuel level	⊙	⊙	⊙	⊙
Trans oil temp	⊙	⊙	⊙	⊙
Hour meter reading	⊙	⊙	⊙	⊙
Air pressure guage	⊙	⊙	⊙	⊙
Current gear readout	⊙	⊙	⊙	⊙
Trip time (min)	⊙	⊙	⊙	⊙
Trip distance (km)	⊙	⊙	⊙	⊙
Bin tip counter	⊙	⊙	⊙	⊙
Odometer	⊙	⊙	⊙	⊙
Trans lock up status	⊙	⊙	⊙	⊙
Throttle position	⊙	⊙	⊙	⊙
Retarder oil temp	⊙	⊙	⊙	⊙
Bin position	⊙	⊙	⊙	⊙
Hydraulic oil temp	⊙	⊙	⊙	⊙
Wet brake oil temp	⊙	N/A	N/A	N/A
GENERAL				
Antenna mounting bracket	⊙	⊙	⊙	⊙
Rear tow pin	⊙	⊙	⊙	⊙
Auto grease system	○	○	N/A	N/A
Two extra batteries	○	○	○	○
Work lights	○	○	○	○
Fuel heater	○	○	○	○
Tailgate mechanical (Auto gate)	○	○	○	○
Bin heating connection	○	○	○	○
Head light guard	⊙	⊙	⊙	⊙
CE Mark	⊙	⊙	⊙	⊙
Air horn	⊙	⊙	⊙	⊙
Emergency steering (Ground)	⊙	⊙	⊙	⊙
S/brake caliper mud scrapers	N/A	⊙	⊙	⊙
S/Brake caliper mud covers	N/A	⊙	⊙	⊙
EPA emission certified	⊙	⊙	⊙	⊙

These specifications are subject to change without notice.

Illustrations and photos show the standard models, and may or may not include optional equipment, accessories, and all standard equipment with some differences in color and features. Before use, go through Operator's Manual for proper operation.

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