VOLVO ARTICULATED HAULER

A35D, A40D
HIGH PRODUCTIVITY AT LOW COST

The possibility of maintaining high average speed, high load capacity and powerful dump hydraulics – all contribute to making Volvo one of the most productive articulated haulers on the market. The low fuel consumption, the hydraulic retardation system and the fact that Volvo’s haulers need no daily or weekly service keep operating costs low. In short – high productivity at low cost.

Outstanding maneuvering characteristics
When it comes to effective hauling in rough terrain, Volvo A35D and A40D are hard to beat. The ingenious frame steering and frame joint are unsurpassed solutions for all types of transports where accessibility is the decisive factor. Together with Volvo’s unique Hydro-Mechanical Self-Compensating Steering system, Volvo’s articulated haulers offers outstanding operating and maneuvering characteristics, both on and off-road.

More effective work, at lower cost
Volvo always strives for increased productivity. That’s why our articulated haulers have high load capacity and high average speed. Both A35D and A40D have a well-adapted body volume for effective transport of big loads.

Our in-house developed engines, our patented Load & Dump brake as well as the fast dump hydraulics make it possible to pick up the pace on the work site. This gives high-efficiency work cycles and you can haul even more, even faster – for the lowest cost possible.

Key Features:
Adapted load capacity
The high body volume enables faster hauling of bigger loads.

High-efficiency dumping
The powerful and accurate dump system and the Load & Dump brake facilitate the dump cycle, and reduces costs.

Higher rimpull
Higher rimpull means faster uphill runs; shifting is automatic leaving the operator free to select the ideal drive mode for the terrain.

Simple and fast service
All service points are easily accessible, which simplifies service and reduces downtime.

Cost control
Volvo’s various service, maintenance and repair agreements assist you with cost control.

Volvo – the safe choice
Safety is one of Volvo’s core values. Already at the design and engineering stage, safety issues always have highest priority. It’s all about safety for operators, machines, and the environment.

Volvo – the reliable choice
When you choose an articulated hauler from Volvo, you choose a company and product you can trust.

Our global dealer network of well-trained service professionals minimizes downtime. Genuine spare parts and factory remanufactured genuine parts for repairs also contribute to shorten downtime. Volvo strive for the most cost-effective solutions during the machine’s entire operating life.

Volvo – the environment– friendly choice
Care of the environment is another Volvo core value. That’s why Volvo’s haulers are designed for minimal environmental impact.
The most important thing in Volvo’s articulated haulers is the operator. Despite all the technological development, only a pleased and effective operator can do justice to our productive haulers. And one condition for a satisfied operator is a good workplace. For many years, Volvo has been the market leader in operator environment and, with the award-winning cab in the A35D and A40D, we have solidified that position. It is a safe and comfortable workplace, which means that the operator can concentrate on effective operation from the beginning to the end of a long shift.

**Spacious and ergonomical**
The cab in A35D and A40D has more room than before. There’s lots of space for legs and arms, as well as lunch boxes, extra boots or other items the operator wants in the cab.

Adjustable tilt/telescopic steering wheel, and the ergonomically designed, air-suspended seat is easily adjusted for optimal comfort. All controls are user-friendly and located within easy reach.

**Always comfortable**
Internal and external sound levels has been reduced to be the lowest in the industry. Volvo’s proven and durable suspension eliminate impact on the operator. Together with our effective climate control system we offer the best operator comfort regardless of the outside temperature.

**Excellent overall visibility**
The operator’s seat is positioned in the center of the machine, and the operator sits up high for maximal visibility over the surroundings. Well-dimensioned rear-view mirrors, large windows and well-placed cab pillars all combine to give excellent overall visibility, which is a prerequisite for both high safety and high productivity.

**Informative instrument panel**
The panel gives the operator a good overview of all important information. In this way, the operator can plan the work for optimal productivity and fuel consumption.

**Clear information**
The operator communication system gives the operator clear and easy-to-understand information throughout the work cycle.

**Practical interior**
The instructor seat backrest can be lowered and used as a table, cab lights and a 24 V power outlet close by, as well as lots of storage space.

**Easy entry and exit**
Wide and threshold-free door opening – for easy entry and exit.
The drivetrain in Volvo’s articulated haulers is incomparable. Every part of the drivetrain is developed in-house, which not only gives optimal rimpull but also results in higher operating reliability and considerably lower fuel consumption when compared to the competition. Our drivetrain also contributes to giving our machines longer service lives. With the A35D and A40D you can operate at the highest possible speeds in most applications and in most conceivable operating conditions. Volvo’s proven transmission gives the hauler maximal performance during the entire haul cycle.

**Optimal performance**

Volvo’s automatic Powertronic transmission brings maximal performance to your hauler. The transmission always shifts at exactly the right time and without rimpull loss.

**The right power at the right time**

Volvo’s articulated haulers are the most flexible haulers on the market and gives the operator full control to optimize the machine driveability for any operating condition.

For example, on good haul roads the operator can choose to operate with 6x4 drive, to save fuel and tires. None of our competitors offer this feature.

When operating in rough conditions the operator selects 6x6 drive and 100 percent differential locks on one or all axles. Differential locks are selectable on the move, which is a great advantage when operating in varying ground conditions.

**Electronic engine control**

The turbocharged high performance low-emission diesel engine features electronically controlled direct injection and intercooler. Cooling is controlled by demand, thus consuming only minimal power.

**6x4 drive during fast hauling**

Only Volvo gives the operator the choice of 6x4 drive, resulting in less tire wear and lower fuel consumption.

**Powertronic gives optimal performance**

Volvo’s automatic Powertronic transmission gives optimal performance and comfort.

**High torque at low engine speeds**

Volvo’s engines give high torque at low engine speeds which means long engine life and low fuel consumption.

**Low emissions**

The electronically controlled engine provides high power, and effective combustion with low emissions.
Today Volvo manufactures one of the most productive articulated haulers available on the market. There are many reasons for this, but three very important reasons include the unique brake system, the effective retardation system and the fast dump system. These features enable effective work even in the toughest conditions and help the operator keep up the pace without tiring.

**Efficient brakes**
The system has two separate circuits for maximum safety. Should the pressure drop in both circuits for some reason, the parking brake is activated automatically, acting as an emergency brake. The parking brake can hold a fully loaded machine on grades up to 18 percent.

**Retardation system minimizes operating costs**
Volvo A35D and A40D are equipped with a hydraulic retardation system built into the transmission. The retarder's fast response and high performance make it possible for the operator to operate at higher average speed throughout the work cycle. At the same time, wheel brake wear is minimized, which in turn reduces operating costs.

The foot-operated retardation system is user-friendly, effective and safe since the operator never has to let go of the steering wheel.

**Fast and controlled dumping**
With optimized pressure and oil flow, Volvo's double-acting hoist cylinders cut time at the dump site. A fully loaded body is hoisted in 12 seconds, and lowered in 10 seconds – with complete control. The effective hydraulic system makes it possible to place the load exactly at the right place, even on downhill grades.

The machine’s high ground clearance, the high placement of the dump joint and the body's shape give the machine the ability to dump the load over the dump edge, minimizing the need for dozers. Volvo’s unique and user-friendly Load & Dump brake gives both higher productivity and lower operating costs. The load unit’s service brakes apply whilst the transmission is shifted to neutral simply by pressing a button during loading and dumping.

**Optimized for effective loading**
The load body is wide and open, and it's optimized for loading with excavators. The body’s shape enables even load distribution.

**Unique Load & Dump brake**
Simply by pressing a button, the transmission is shifted to neutral and all service brakes on the load unit are activated.

**Dumping on downhill grades**
Volvo’s high performance hydraulic system together with the double-acting singlestage hoist cylinders have all the power it takes to raise and lower the body on downhill grades.

**Dump lever increases safety**
Dumping and lowering of the body is controlled with the pilot-operated dump lever. The lever automatically moves to the hold position when, the operator leaves the seat.

**Optional equipment**
The body can be adapted to a wide range of loads with optional equipment, including tailgates, upper side extensions, body heating and front spillguard.
Volvo’s articulated haulers are built for a tough real-life conditions. They can operate at high speed even on the most challenging haul routes and they work effectively on the roughest, hard-to-reach load and dump sites. Volvo’s unique steering system and the innovative bogie suspension give the hauler constant optimal traction and the operator stays in complete control.

**By far, the best steering system on the market**
Volvo’s unique Hydro-Mechanical Self-Compensating Steering system gives a unique feel for the road, only comparable to that steady automotive-type feel. Volvo’s unique system has a feedback rod that senses and acts to neutralize external forces for stable operating control, and the steering angle is always the same for a given steering wheel position. These features make Volvo’s steering system superior to other systems on the market and give the operator complete control of the machine. Steering is very stable even at high speeds and it’s also very powerful in off-road operation. Simply put, the system makes operating Volvo’s articulated haulers both safer and easier.

**Unbeatable off-road performance**
Volvo’s innovative and unique bogie suspension gives our haulers unbeatable off-road performance with good ground contact on all the wheels. It is maintenance-free and built using only components with very long life. The straddle-mounted bogie beam minimizes stresses on the frame.

**Maintenance-free wheel suspension**
Volvo’s proven three-point suspension is just as uncomplicated as it is effective. It gives good ground contact even at high speeds in rough operating conditions. The system is completely maintenance-free, which further reduces operating costs.
Key Features
- Volvo’s unique Hydro-Mechanical Self-Compensating Steering system
- Volvo’s innovative bogie suspension with straddle-mounted bogie beam.
- Volvo’s proven, Maintenance-free three-point suspension
NO DAILY SERVICE REQUIRED

Our aim is to increase time for productive work, and that’s why we have minimized service needs for our articulated haulers. Service stops should be few and short. That’s why there’s no daily or weekly servicing needed for the A35D and A40D! With lifetime-lubed bearings on steering cylinders and steering joints as well as monitored checks of oil and fluid levels, we have reduced service needs to an absolute minimum.

Service-friendly
Volvo’s articulated haulers reduce the need for daily service and maintenance. Scheduled greasing is only needed every 250 hours!

There are only a few service points and servicing is easy, that means reduced downtime. All filters are easy to reach, the engine hood can be opened a full 90 degrees and the swing-out front grill makes it easy to access service points on the engine. Longer service intervals give simpler maintenance and gives more time for productive work.

Safe service
In order to increase safety, all service on the A35D and A40D is performed comfortably and safely at ground level or, when necessary, from easily accessed and sturdy platforms. There are anti-slip surfaces all around the cab, and along the roof there are handrails, making it easy to clean windows.

Get control of your profitability and your efficiency
When you choose a Volvo articulated hauler you also share in all of Volvo’s knowledge and experience with construction equipment. With Volvo you always have the possibility to easily gather a vast amount of information, which gives you fast diagnosis and immediate analysis of machine operation.

Our follow-up system Matris gives you fast and easy control of the machine and costs. Matris provides you with detailed reports and analyses of the machine’s operating history, giving you the opportunity to continuously check and correct your operating methods. This means lower costs for maintenance and repairs as well as longer machine life.

Our user-friendly system PROSIS gives you fast access to necessary information about spare parts on CD. PROSIS contains parts catalogs and service information for the vast majority of products from Volvo Construction Equipment.
Commonality of components
A lot of spare parts are the same for different Volvo machines, which contributes to good service and maintenance economy.

Available spare parts
Volvo’s global organization enables fast distribution of spare parts, wherever you are.

Highly trained service technicians
Throughout the world, there are dealers with competent technicians trained by Volvo.

Advantageous service agreements
Volvo offers optional service tools and a wide range of advantageous service and support agreements.
Volvo’s articulated haulers are equipped with a well-matched drivetrain for optimal use of engine power, torque and rimpull. Correctly matched and Volvo-designed drivetrain components, specifically developed for hauler applications, provide outstanding performance, high productivity, low fuel consumption and ensure long machine life.

Serviceability

1. No daily or weekly service. The Contronic information system monitors all fluid levels, minimizing daily and weekly service times. Time to next service and the status of vital vehicle systems is shown to the operator on a display in the instrument panel.

Excellent serviceability
Swing Down Front Service Platform with access ladder to remote filter bank, located in front of engine. Grouped engine filters and remote mounted drains reduce service time. Large, 90° opening hood for total engine access.

Productivity and Performance

3. High Performance Low Emission Engine
The Volvo inline 6-cylinder, direct injected electronically controlled, turbocharged and intercooled 4-stroke diesel engine generates high torque at low rpm for quick response and low exhaust emissions that meet existing requirements.

4. High Capacity Cooling System
Power and fuel saving, hydraulically driven, side mounted variable speed fan consumes power only when needed.

5. Brakes and Retarder
Dual-circuit, fully hydraulic brakes with enclosed, forced oil-cooled multiple disc brakes on all wheels for maximum safety. Separate brake cooling for each axle. An easy to use, variable hydraulic transmission retarder reduces service brake wear and operating cost.

Volvo Drive Train
Correctly matched Volvo-designed components, specifically developed for hauler applications. Low power losses and long service life.

7. Purpose-built dropbox
Optimized rimpull and speed in all operating conditions. Good ground clearance.

8. Volvo’s unique Self-Compensating Hydro-Mechanical Steering
Easy high-speed driving and steering accuracy promoting productivity. Fast acting, powerful steering with 3,4 turns lock-to-lock for slow speed maneuverability in rough conditions.

9. State-of-the-art Hydraulic System
Variable displacement piston pumps consume power only as required. One ground-dependent piston pump for secondary steering mounted on the dropbox.

10. Rotating Hitch
Rotating hitch and articulated steering provides good traction, off-road mobility and less stress on the frames in tough applications. High-positioned hitch provides superior clearance and stability.

11. Heavy Duty Axles
Purpose built Volvo design with fully floating axle shafts, planetary type hub reductions and 100% dog clutch type diff-lock.

12. 6x4 or 6x6 with Five Operating Modes
Five easy to use drive combinations for every type of operating condition, increases off-road mobility, reduces fuel consumption, driveline and tire wear. Operator-selectable on the move.

13. High strength steel 400 HB body
Flat plate design with high chute and tipping joint with 70º or greater dump angle promotes load retention and ejection.

14. Maintenance Free Suspensions
Front axle has independent wheel movement via a 3-point mounting system, consisting of rubber springs and shock absorbers. Rear bogie beam is straddle mounted with two A-frames, gives large wheel movement, low frame stress and keeps the body level, retaining the load. Low pivot point enhances stability.

15. Volvo Load&Dump brake
The Volvo patented “Load and Dump brake” function maximizes ergonomics and enhance productivity. When positioning the articulated hauler for loading or dumping, the operator only need to presses a single button to automatically apply the trailer brakes and shifting the transmission to neutral.
Low operating cost
All main components for our haulers are developed in-house by Volvo, including the drivetrain, frame, cab, electronics and software. This generates results: higher productivity, higher reliability and service friendliness. All working together to reduce operating cost.

Operator Comfort and Safety

Excellent Operator Environment
The Volvo cab is a safe, comfortable, efficient and ROPS/FOPS certified operator environment, ergonomically designed for high operator comfort and excellent unobstructed wide angle forward view. Wide threshold-free door opening and ergonomic cab entrance. Operator positioned above the front axle and in the center of the machine, together with the spacious and comfortable cab contributes to high productivity from the beginning to the end of the shift.

Ergonomically positioned controls, air conditioning, adjustable operators seat with retractable seat belt and tilt/telescopic steering wheel for reduced operator fatigue and high safety. Filtered fresh air, four-speed fan and pressurized cab to maintain a clean operating environment.

Operator Communication system
The user-friendly operator’s communication system provides simple and easy-to-understand information. All vital machine functions are constantly monitored and specific system information is displayed if a problem occurs. Service technicians can increase their diagnostic efficiency by using the Contronic service display or Matris software to download operating information stored in the Contronic system.
## Specifications

### Load Capacity

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<th>A35D</th>
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<tr>
<td>Standard Body</td>
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<tr>
<td>Load capacity</td>
<td>32,500 kg</td>
<td>37,000 kg</td>
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<tr>
<td>Body, struck</td>
<td>15.2 m³</td>
<td>18.9 m³</td>
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<tr>
<td>Body, heaped</td>
<td>20.0 m³</td>
<td>22.5 m³</td>
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<tr>
<td>With overhanging tailgate</td>
<td>26.2 yd³</td>
<td>29.4 yd³</td>
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Body volume according to SAE 2:1

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### Weights

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<tr>
<td>Tires</td>
<td>26.5R25*</td>
<td>29.5R29**</td>
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<td>A₂</td>
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<td>B</td>
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<tr>
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<tr>
<td>C₂</td>
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<tr>
<td>C₃</td>
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<td>13'1''</td>
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<tr>
<td>a₂</td>
<td>70°</td>
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<tr>
<td>a₃</td>
<td>45°</td>
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### Body Material

- Front: 8 mm (0.31")
- Sides: 12 mm (0.47")
- Bottom: 14 mm (0.55")
- Chute: 16 mm (0.63")
- Yield strength: 1000 N/mm² (145000 psi)
- Tensile strength: 1250 N/mm² (181000 psi)
- Hardness: 400 HB

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Operating weight includes all fluids and operator

*) A35D with tires 775/65R29, add 200 kg (441 lb)/ axle

**) A40D with tires 875/65R29, add 300 kg (661 lb)/ axle
Ground Pressure

<table>
<thead>
<tr>
<th>Speed</th>
<th>A35D</th>
<th>A40D</th>
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<tbody>
<tr>
<td>Forward, low gear</td>
<td>26.5/25</td>
<td>29.5/25</td>
</tr>
<tr>
<td></td>
<td>775/65 R29</td>
<td>875/65 R29</td>
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<tr>
<td>Unloaded</td>
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<tr>
<td>Front</td>
<td>128 kPa (18.6 psi)</td>
<td>110 kPa (16.0 psi)</td>
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<tr>
<td></td>
<td>115 kPa (16.7 psi)</td>
<td>100 kPa (14.5 psi)</td>
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<tr>
<td>Rear</td>
<td>54 kPa (7.8 psi)</td>
<td>46 kPa (6.7 psi)</td>
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<tr>
<td></td>
<td>53 kPa (7.7 psi)</td>
<td>47 kPa (6.8 psi)</td>
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<tr>
<td>Loaded</td>
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<td></td>
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<tr>
<td>Front</td>
<td>149 kPa (21.6 psi)</td>
<td>128 kPa (18.6 psi)</td>
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<tr>
<td></td>
<td>135 kPa (19.6 psi)</td>
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<tr>
<td>Rear</td>
<td>180 kPa (26.1 psi)</td>
<td>153 kPa (22.2 psi)</td>
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<tr>
<td></td>
<td>172 kPa (24.9 psi)</td>
<td>150 kPa (21.8 psi)</td>
</tr>
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</table>

At 15% sinkage of unloaded radius and specified weights.

Engine

The D12D engine is emission certified as a Family Engine with the following output data:
- Rated power at 3,17 r/s (1,900 rpm)
  - SAE J1995 Gross: 280 kW (381 hp)
  - SAE J1995 Gross: 2100 Nm (1549 lb ft)

A35D
- Make, model: Volvo D12D AAE2*/BAE3***
- Max power at 30 r/s (1,800 r/min)
  - SAE J1995 Gross: 289 kW (393 hp)
- Flywheel power at 30 r/s (1,800 r/min)
  - SAE J1349 Net. DIN 6271**: 285 kW (388 hp)
- Max torque at 20 r/s (1,200 r/min)
  - SAE J1995 Gross: 1,950 Nm (1,483 lb ft)
  - SAE J1349 Net. DIN 6271**: 1,915 Nm (1,412 lb ft)
- Displacement total: 12 l (732 in³)

With fan operating at full speed, the flywheel power is 277 kW (377 hp) and maximum torque is 1,860 Nm (1372 lb ft) which corresponds to DIN 70020.

A40D
- Make, model: Volvo D12D AAB2*/BAE3***
- Max power at 30 r/s (1,800 r/min)
  - SAE J1995 Gross: 313 kW (426 hp)
- Flywheel power at 30 r/s (1,800 r/min)
  - SAE J1349 Net. DIN 6271**: 309 kW (420 hp)
- Max torque at 20 r/s (1,200 r/min)
  - SAE J1995 Gross: 2,100 Nm (1549 lb ft)
  - SAE J1349 Net. DIN 6271**: 2,056 Nm (1517 lb ft)
- Displacement total: 12 l (732 in³)

With fan operating at full speed, the flywheel power is 301 kW (409 hp) and maximum torque is 2,010 Nm (1,483 lb ft) which corresponds to DIN 70020.

*) Meets US (EPA) Tier 2, California (CARB) Tier 2 and Europe (EU) Stage II.
**) Meets US (EPA) Tier 3
***) With fan at normal speed.

Engine brake: Exhaust retarder.

Electrical System

All cables, sockets and pins are identified. Cables are enclosed in plastic conduits and secured to main frame, Halogen lights. Prewired for options. Connectors meet IP67 standard for water-proofing as necessary.

Voltage: 24 V
Battery capacity: 2x170 Ah
Alternator: 224 kW (80 A)
Starter motor: 7.2 kW (10 hp)

Drivetrain

A35D: A40D
Torque converter: 1,951 1,951
Transmission, Volvo: PT 1850 PT 1850
Dropbox: FL 992 FL 1002
Axles, Volvo: AH 64 AH 71

Brake system

A40D: Fully hydraulic, wet multiple disc brakes with enclosured, forced oil-cooled multiplate discs on all wheels. Two circuits. Separate brake cooling for each axle. Complies with ISO 3450 and SAE J1473 at total machine weight.

Circuit division: One circuit for front axle and one for logic axes.

Parking brake: Spring-applied disc brake on the propeller shaft, designed to hold a loaded machine on a grade of up to 18%. When the parking brake is applied, the longitudinal differential is locked.
Compressor: Gear-driven by engine transmission.
Retarder: Hydraulic, infinitely variable, integrated in transmission.

Steering system

Cylinders: Two double-acting steering cylinders.
Supplementary steering: Complies with ISO 5010 at total machine weight.

Steering angle: 3.4 steering wheel turns lock-to-lock: ±45°

Cab
ROP/FOPS approved: according to ISO 3471, SAE J1040 /ISO 3449, SAE J231 standards.

Sound level in cab: ISO 6396 72 dB (A)

Hydraulic system

Pumps: Six engine-driven variable displacement load-sensing piston pumps driven by the flywheel PTO. One ground-dependent piston pump for secondary steering mounted on the dropbox.

Filter: One fibreglass filter with magnetic core.

Pump capacity per pump: A35D: A40D
- Engine-dependent, l/min: 132 132
- Ground-dependent, l/min: 210 181
- at shaft speed r/s: 51.8 44.7
- Working pressure, MPa: 25 25

Body/ Dumping

Load and dump brake: With the engine running, the service brakes on the rear axle are applied and transmission is shifted to neutral.

Dumping Cylinders: Two single stage double acting cylinders.

Tipping angle: 70°
Tipping time with load: 12 s
Lowering time: 10 s
EQUIPMENT

The Volvo A35D – A40D Standard Equipment

Safety
- ROPS/ FOPS protected cab
- Service platform for ease of service
- Anti-slip material on hood and fenders
- Hazard lights
- Horn
- Protective grille for rear window
- Rear-view mirrors
- Retractable 3-inch safety belt
- Secondary steering
- Steering joint locking assembly
- Dump body lock
- Windshield wipers with interval function
- Windshield washers
- Handrails on fenders

Comfort
- Tilt/telescopic steering wheel
- Cab heater with filtered fresh air and defroster
- Overhead console for radio
- Sun visor
- Tinted glass
- Can holder /storage tray
- Cigarette lighter
- Ashtray
- Space for lunch cooler
- Storage box
- Instructor seat with seat belt

Engine
- Direct injected, electronically controlled
- Turbocharged, intercooled
- Remote oil drain plug and hose
- Remote oil filters, for ease of access
- Preheater for easier cold starts
- Exhaust retarder

Electrical system
- 80 A alternator
- Battery disconnect switch
- Extra 24 V socket for lunch cooler
- Lights:
  - Headlights
  - Parking lights
  - Direction indicators
  - Rear lights
  - Back-up lights
  - Brake lights
  - Cab lighting
  - Instrument lighting

Operator information interface
- Gauges:
  - Speedometer
  - Tachometer
  - Brake pressure
  - Fuel
  - Transmission oil temperature
- Pilot lights for all switches
- Warning lights grouped and easy to read
- Central warning (3 levels) for all vital functions
- Central positioned information display:
  - Automatic pre-start checks
  - Operation information, easy-to-find menu
  - Troubleshooting diagnostics
  - Hour meter
  - Clock
  - Machine settings

The Volvo A35D – A40D Optional Equipment

(Standard on certain markets)

Safety
- Fire-extinguisher and first aid kit

Service and maintenance
- Tool kit with tire inflation unit
- Electrical hood opening

Engine
- Extra air cleaner, heavy-duty
- Electric engine heater (120V or 240V)
- External emergency engine stop
- Delayed engine stop

Electrical
- Work lights, roof mounted
- Work lights, rear-facing, fender-mounted
- Rotating beacon, collapsible mount
- Back-up alarm
- Rear vision system
- Anti-theft system (prevents engine start)
- Headlights for left-hand traffic

Electrical system
- 80 A alternator
- Battery disconnect switch
- Extra 24 V socket for lunch cooler
- Lights:
  - Headlights
  - Parking lights
  - Direction indicators
  - Rear lights
  - Back-up lights
  - Brake lights
  - Cab lighting
  - Instrument lighting

Operator information interface
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Brakes
- A35D: Fully hydraulic, forced oil-cooled wet disc brakes
- Brake guards

Body
- Body exhaust heating kit
- Extra front spillguard
- Overhung tailgate, wire operated
- Wear plates, kit delivery

Drivetrain
- Automatic transmission
- Torque converter with automatic lock-up
- Drop box with high/low range
- Hydraulic variable retarder
- 6x4 or 6x6 operator selectable drive modes
- 100% longitudinal differential lock
- 100% differential locks in all axles

Brakes
- A35D: Two circuit, fully hydraulic disc brakes on all axles.
- A40D: Two circuit, fully hydraulic brakes with enclosed, forced oil-cooled multiple discs on all axles.
- Separate brake cooling for each axle.
- Exhaust retarder activation in brake pedal
- Parking brake on prop shaft

Body
- Body prepared for exhaust heating
- Load and Dump brake

Tires
- A35D: 26.5R25
- A40D: 29.5R25

External
- Rear mudflaps

Other
- Air drier
- Tool box

Tires
- A35D: 775/65R29
- A40D: 875/65R29

External
- Outside mudguard wideners (for 875/65R2)

Other
- Synthetic hydraulic oil (biologically degradable)
- Arctic oil kit
Volvo Construction Equipment is different. It’s designed, built and supported in a different way. That difference comes from our 170-year engineering heritage. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo. And we’re proud of what makes Volvo different – More care. Built in.

All products are not available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.