

**V O L V O**



Volvo Articulated Haulers 34.5-39 t / 76,059-85,980 lb 451-469 hp

# **A35G, A40G**

Volvo Construction Equipment

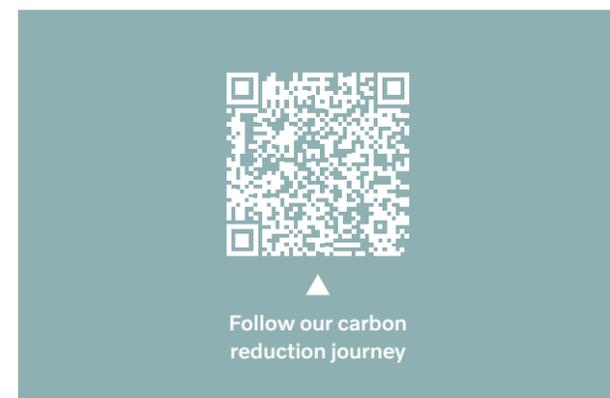


## Being the first. Keeping the lead.

Since introducing Gravel Charlie, the world's first series manufactured articulated hauler, Volvo has consistently led the way when it comes to pioneering technology which delivers unrivalled levels of sustainable productivity and performance.

Today we offer the most comprehensive range of articulated haulers in the industry, with common technology throughout, ensuring optimum results whatever size class you operate. Combined with a range of complementary services and solutions, you can count on Volvo Articulated Haulers to deliver the lowest possible cost per tonne.

As part of our enduring focus on environmental care we are committed to Science Based Targets to achieve net-zero value chain emissions by 2040. From product planning through to end-of-life, our focus continues to be on minimizing our global footprint and driving transformation in our industry.



# Keep on moving

Effective maintenance can have a big influence on your total cost of ownership. Volvo Articulated Haulers are designed to be easy to service, helping you to maximize your uptime and keep maintenance costs to a minimum.

## Reduce oil volume by half

When measured over the lifetime of the machine, Volvo Articulated Haulers require less than half the fluid volume compared to competition, benefitting both the environment and your operating costs.



## 1,000hr engine service intervals

Volvo Engine Oil and High Performance Filters offer 1000 hour engine service intervals. The result is 50% less oil and filters – reducing maintenance requirements as well as your environmental impact.



## Easy to service

Servicing your machine is quick and easy thanks to industry leading service access and essential maintenance points accessible from the ground. The front grill swings down, opening a service platform with anti-slip steps and the electric hood opens to 90 degrees, allowing full access to the engine compartment.



## Service alerts

Fluid levels are constantly monitored with timely service alerts displayed on the dashboard, helping you stay on top of your maintenance requirements.



Reduce your maintenance costs with Volvo Articulated Haulers.

# NO DAILY OR WEEKLY GREASING

With Volvo Articulated Haulers greasing is only required every 250 hours – the best in the industry – delivering maximum uptime.

# Haul Assist

Gain access to a set of tools designed to help you get the most out of your Volvo Articulated Hauler and boost your profitability.

## Proactive tire management

Optimize tire life with the support of the Tire Pressure Monitoring System, which allows the operator to monitor tire pressure and temperature from the comfort of the cab.



## A complete site overview

Monitor the whereabouts of all your machines, vehicles and visitors in real-time with Map, a connected tool which provides accurate positioning to help monitor on-site traffic and navigate the site more efficiently.



## Go into detail

Reports can be generated automatically on a daily and weekly basis, or manually at any time, including the geo-tracking of moved material which is enabled by Map.



## Support you can count on

As a fully integrated and factory-fitted Volvo system, all the components, hardware and software of Haul Assist are supported by your Volvo dealer to keep your operation running smoothly. What's more, you will benefit from over-the-air updates, easy upgrades and remote support.



# TAKE CONTROL OF YOUR PRODUCTIVITY

On-Board Weighing provides real-time payload information which can help to eliminate carry-back and overloading; the result is peak productivity, reduced fuel consumption and less machine wear.

# Move more for less

Boost your profits with Volvo Articulated Haulers, designed to deliver high productivity at the lowest cost per tonne.

## Optimized payload

The machine is optimized for efficiency featuring high payload capabilities. Its smart design allows for more capacity while reducing fuel consumption so you can move more for less.



## Volvo dynamic drive

Dynamic and predictive gear selection adapts to operating conditions, for improved comfort and fuel efficiency.



## Simply the best

The machine delivers unbeatable off-road performance in its class with features including proven Volvo drivetrain, automatic drive combinations including 100% differential locks, all-terrain bogie and hydro-mechanical steering.



## Smooth descent

Make your daily job easier with downhill speed control. The function automatically maintains a constant speed when operating on downward gradients and is the perfect alternative to the retarder pedal for a more efficient and comfortable shift.



  
Volvo Articulated Haulers  
deliver the highest profitability.



# INTELLIGENT EFFICIENCY

Experience superb fuel efficiency without compromising on power and performance thanks to the world-renowned Volvo drivetrain, including Terrain Memory. The intelligent function identifies and remembers slippery road segments to ensure optimized traction control – the result is excellent off-road mobility.

# Control in comfort

Featuring superior comfort, ease of operation and safety, the industry-leading cab appeals to operators and helps maintain productivity all day, every day.

## Total control

Volvo Articulated Haulers are packed with features to help operators get the most from the machine. Intelligent functions such as cruise control, downhill speed control and hill assist help control the hauler with ease and efficiency, for enhanced safety and productivity in all conditions.



## Ease of operation

The ergonomic, comfortable and easy-to-understand controls are designed to suit all operators. Additional automatic functions such as OptiShift – which enables fast and smooth directional changes – further enhance ease of operation.



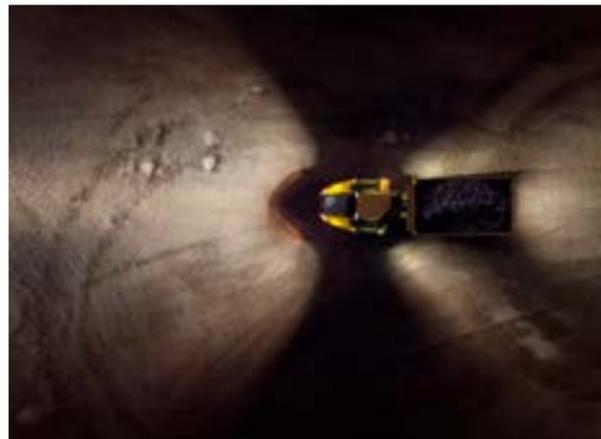
## Operator comfort

Feel comfortable and spend more time in the Volvo Articulated Haulers. The centrally positioned operator, superior steering, excellent suspension, low noise levels, climate control, space and visibility reduce operator fatigue for more effective operations.



## Safety first

Whether its operators, trainers, technicians or site workers – safety on site is of fundamental importance. In the Volvo Articulated Haulers superior visibility and efficient lighting combine with features such as the brake test and dump support, helping to keep everyone working around the machine safe.



Volvo Articulated Haulers are the operator's number one choice.

# OPERATOR'S CHOICE

A happy operator is a more productive operator and when many other machines are onsite, most operators prefer the Volvo. Even in the most adverse conditions, its comfortable cab and ease of operation keep operators alert and performing their best.

# Hauling heavy profits

## Only from Volvo

- Industry-leading Volvo engine and driveline: high performance, high fuel efficiency
- Terrain Memory function: optimized engagement of the traction control for excellent off-road mobility
- Volvo dynamic drive
- Automatic drive combinations including 100% differential locks, all-terrain bogie and hydromechanical steering
- OptiShift: fast and smooth directional changes

## The operator's choice

- Ease of operation: ergonomic and easy-to-understand controls
- Centrally positioned operator for best-in-class visibility
- Cruise control, hill assist, dump support system, load and dump brake
- The downhill speed control function automatically maintains a constant speed when operating on downward gradients
- Built-in brake test: schedule and perform a stationary brake test, guided by the machine display

## Solutions for you

- Easy machine monitoring: CareTrack, ActiveCare Direct
- Lifetime Frame and Structure Warranty
- 24hr parts delivery guarantee
- Genuine Volvo Parts
- Volvo Site Simulation: get recommendations on the best fleet configuration and site set-up
- Operator Training Program: unlock the full potential of your machine
- Uptime Services: control your maintenance costs

## Haul Assist

- On-Board Weighing: real-time payload monitoring
- Tire Pressure Monitoring System
- Map: real-time positioning of on-site traffic
- Productivity Reports, including the geo-tracking of moved material
- Over-the-air updates, easy upgrades, remote support

## Service and maintenance

- 250-hour greasing interval
- Half the fluid volume compared to the competition
- 1,000hr engine service intervals
- Service reminders and fluid level monitoring
- Industry-leading service access and ground-accessible service points



# Configured for success

Ensuring your fleet is configured in the correct way can yield huge benefits to your operation including more productivity, enhanced performance and less costs.

Here are some tips to help tailor your new Volvo Articulated Hauler according to the application, site conditions and type of transported material, as well as matching to the appropriate loading unit. For more detailed information, talk to your Volvo dealer!

## Body options

| Question  | Answer   | Solution  |
|---|--|---|
| <b>Dealing with height restrictions?</b><br>Operating in restricted height conditions e.g. silos or underground | No<br>Yes  | Select standard body<br>Select low profile body   |
| <b>Hauling abrasive material?</b><br>Granite, silicate etc  | No<br>Yes  | <i>Go to next question</i><br>Select wear plates / rock liners for extended service life  |
| <b>What material density?</b><br>Gravel is ~1.4 sh tn/yd <sup>3</sup>   | > 1.3 sh tn/yd <sup>3</sup> (gravel, blasted rock)<br>1.0 - 1.3 sh tn/yd <sup>3</sup> (dry earth, shale)<br>< 0.85 sh tn/yd <sup>3</sup> (coal, fly ash etc) | <i>Go to next question</i><br>Select side extensions to increase body volume<br>Select light material kit to increase body volume           |
| <b>Front spill protection needed?</b><br>Getting loaded by large excavator                                      | No<br>Yes  | <i>Go to next question</i><br>Select front spillguard   |
| <b>Extra load retention needed?</b><br>Risk of dropping material e.g. when climbing steep inclines              | No<br>Yes, but not hauling boulders<br>Yes, hauling boulders   | <i>Go to next question</i><br>Select tailgate – overhung type – to reduce spillage<br>Select tailgate – underhung type – to reduce spillage |
| <b>Hauling sticky material?</b><br>Risk of carry-back   | No<br>Yes  | <i>Go to next question</i><br>Select body exhaust heating   |

Exceeding gross machine weight is not permitted. Payload should be reduced by the weight of the optional equipment.

## Tires

| Question  | Answer    | Solution   |
|---|-----------|--|
| <b>Operating on abrasive haulroad?</b><br>Risk of tire cuts or extensive wear | No<br>Yes | E3 tires are optimized for soft ground, offering the best traction and high average speed<br>Select E4 tires for the best cut resistance, comfort and tread life |
| <b>Extra flotation needed?</b><br>Risk of sinkage in soft ground              | No<br>Yes | Select standard profile tires<br>Select low profile tires, featuring lower ground pressure for improved flotation, stability and comfort                         |



## Optimal pass-matching

| Volvo Excavator | EC380            | EC480 | EC530 | EC550 | EC750 | EC950 |
|-----------------|------------------|-------|-------|-------|-------|-------|
|                 | Number of passes |       |       |       |       |       |
| A35G            | 9                | 7     | 6     | 5     | 4     | 3     |
| A40G            | 10               | 8     | 7     | 6     | 5     | 4     |

|   |
|---|
| Excavator overcapacity, 3 buckets or below            |
| Well matched, 4-6 buckets (≈ 90 seconds loading time) |
| Excavator undercapacity, 7 buckets or more            |
| Excavator undersized for optimum match                |

| Volvo Wheel Loader | L110             | L120 | L150 | L180 | L220 | L260 | L350 |
|--------------------|------------------|------|------|------|------|------|------|
|                    | Number of passes |      |      |      |      |      |      |
| A35G               | 6                | 6    | 5    | 4    | 4    | 3    | 3    |
| A40G               | 7                | 7    | 5    | 5    | 5    | 4    | 3    |

|   |
|---|
| Loader overcapacity, 2 buckets or below                           |
| Well matched, 2-3 buckets (≈ 90 seconds loading time)             |
| Loader undercapacity, 4 buckets or more                           |
| Loader undersized for optimum match. Reach might also be an issue |



## Hauler chassis solutions

With Special Application Solutions and different chassis options you can tailor Volvo Articulated Haulers to your specific needs.



# Volvo A35G, A40G in detail

## Engine

V-ACT, 13 liter, 6-cylinder straight VGT (Variable Geometry Turbocharged) diesel engine with 4 valves per cylinder, overhead camshaft and electronically controlled unit injectors. It has wet replaceable cylinder liners and replaceable valve guides and valve seats.

The engine has cooled EGR (Exhaust Gas Recirculation) and exhaust after treatment with EAT-Muffler (Exhaust After treatment) including DOC (Diesel Oxidation Catalyst), DPF (Diesel Particulate Filter) and SCR (Selective Catalytic Reduction) with an electronically controlled UDS (Urea Dosing System).

After treatment system features passive DPF regeneration with an AHI (After treatment Hydro carbon Injection) device as back up.

|  |                      | A35G          | A40G          |
|--|----------------------|---------------|---------------|
| Engine model                             | Volvo                | D13J          | D13J          |
| Max power - SAE J1995 Gross              | kW (hp)              | 336 (451)     | 350 (469)     |
| at engine speed                          | r/min (r/s)          | 1,900 (31.7)  | 1,900 (31.7)  |
| Flywheel power - ISO 9249, SAE J1349 Net | kW (hp)              | 333 (447)     | 347 (465)     |
| at engine speed                          | r/min (r/s)          | 1,900 (31.7)  | 1,900 (31.7)  |
| Max torque - SAE J1995 Gross             | Nm (ft lbf)          | 2,407 (1,775) | 2,525 (1,862) |
| Max torque - ISO 9249, SAE J1349 Net     | Nm (ft lbf)          | 2,386 (1,760) | 2,500 (1,844) |
| at engine speed                          | r/min (r/s)          | 1,200 (20)    | 1,050 (17.5)  |
| Displacement                             | l (in <sup>3</sup> ) | 12.8 (781)    | 12.8 (781)    |

## 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.

|                  |      | A35G      | A40G      |
|------------------|------|-----------|-----------|
| Voltage          | V    | 24        | 24        |
| Battery          | V    | 2x12      | 2x12      |
| Battery capacity | Ah   | 2x170     | 2x170     |
| Alternator       | kW/A | 3.396/120 | 3.396/120 |
| Starter motor    | kW   | 9         | 9         |

## Drivetrain

Torque converter with built-in lock-up function.  
Transmission: Fully automatic Volvo PowerTronic planetary transmission with nine forward gears and three reverse gears. The transmission has the ability to skip gears for fast and accurate gear selection.  
Dropbox: Volvo-developed, in-line design with high ground clearance and 100% longitudinal "dog clutch" type differential lock.  
Axles: Heavy duty, purpose built Volvo design with fully floating axle shafts, planetary type hub reductions and 100% dog clutch type diff-lock.  
Automatic traction control system (ATC).

|                  |       | A35G    | A40G    |
|------------------|-------|---------|---------|
| Torque converter |       | 2.1:1   | 2.1:1   |
| Transmission     | Volvo | PT 2529 | PT 2529 |
| Dropbox          | Volvo | IL2 ATC | IL2 ATC |
| Axles            | Volvo | ARB H35 | ARB H40 |

## Brake system

Fully hydraulic, wet multiple disc brakes with enclosed, forced oil-cooled multiple discs on all wheels. Two circuit brake system. Complies with ISO 3450 at total machine weight.

**Circuit division:** One circuit for front axle and one for bogie axles.

**Parking brake:** Spring-applied disc brake acting on the trailer unit propeller shaft. When the parking brake is applied, the longitudinal differential locked.

**Retarder:** Service brake retarder function and Volvo Engine Brake (VEB).

## Steering System

Hydro-mechanical articulated steering, self compensating design. Two double-acting steering cylinders.

**Steering angle:** 3,4 steering wheel turns lock-to-lock, ±45°.

Steering system, including secondary steering fulfi lls ISO 5010.

## Chassis

**Frames:** box type, heavy duty. High strength steel, robot welded.

**Rotating hitch:** 100% maintenance free, fully sealed, with permanently greased tapered roller bearings.

## Cab

Mounted on rubber pads. Ergonomically designed. Easy entry and exit. Wide angle forward view.

Operator centrally positioned above the front axle. Adjustable operators seat with retractable seat belt.

Tilt/telescopic steering wheel. Ergonomically positioned controls. Filtered air. Climate control system.

**Operator communication system:** Contronics.

Large color display, user-friendly and easy-to-understand information, all vital machine functions are constantly monitored. Instructor seat with seat belt.

**Safety:** ROPS/FOPS standards approved according to ISO3471, SAE J1040 / ISO3449, SAE J231.

|   |    | A35G | A40G |
|---|----|------|------|
| Sound level in cab (ISO 6396) - L <sub>pA</sub>   | dB | 72   | 72   |
| External sound level (ISO 6395) - L <sub>WA</sub> | dB | 112  | 112  |
| Internal sound level with sound kit: 70 dB(A)     |    |      |      |
| External sound level with sound kit: 110 dB(A)    |    |      |      |

## Hydraulic system

**Pumps:** Four variable displacement piston pumps driven by the flywheel PTO.

Two load-sensing used for steering and tipping and two electrical controlled used for fan, brake cooling and brake power supply.

One ground-dependent piston pump for secondary steering mounted on the dropbox.

Two return oil filters with magnetic cores provide effective oil filtration.

|                             |           | A35G       | A40G       |
|-----------------------------|-----------|------------|------------|
| System max working pressure | MPa (psi) | 26 (3,771) | 26 (3,771) |

## Dumping System

Patented Load and Dump Brake.

**Dumping Cylinders:** two single stage double acting cylinders.

|                        |   | A35G | A40G |
|------------------------|---|------|------|
| Tipping angle          | ° | 72   | 70   |
| Tipping time with load | s | 12   | 12   |
| Lowering time          | s | 10   | 10   |

## Body

|                        |                         | A35G            | A40G            |
|------------------------|-------------------------|-----------------|-----------------|
| <b>Plate thickness</b> |                         |                 |                 |
| Front                  | mm (in)                 | 8 (0.31)        | 8 (0.31)        |
| Sides                  | mm (in)                 | 11 (0.43)       | 11 (0.43)       |
| Bottom                 | mm (in)                 | 14 (0.55)       | 14 (0.55)       |
| Chute                  | mm (in)                 | 16 (0.63)       | 16 (0.63)       |
| <b>Material</b>        |                         |                 |                 |
| HB450 steel            |                         |                 |                 |
| Yield strength         | N/mm <sup>2</sup> (psi) | 1,150 (166,793) | 1,150 (166,793) |
| Tensile strength       | N/mm <sup>2</sup> (psi) | 1,350 (195,801) | 1,350 (195,801) |

## Load Capacity

|                               |                                   | A35G        | A40G        |
|-------------------------------|-----------------------------------|-------------|-------------|
| <b>Standard Body</b>          |                                   |             |             |
| Load capacity                 | kg (sh tn)                        | 34,500 (38) | 39,000 (43) |
| Body, struck                  | m <sup>3</sup> (yd <sup>3</sup> ) | 16.6 (21.7) | 18.4 (24.1) |
| Body, heaped 2:1              | m <sup>3</sup> (yd <sup>3</sup> ) | 21.2 (27.7) | 24 (31.4)   |
| <b>With overhung tailgate</b> |                                   |             |             |
| Body, struck                  | m <sup>3</sup> (yd <sup>3</sup> ) | 17 (22.2)   | 18.8 (24.6) |
| Body, heaped 2:1              | m <sup>3</sup> (yd <sup>3</sup> ) | 22.1 (28.9) | 24.7 (32.3) |

## Suspension

**Front suspension:** Three point suspension consisting of a stay fitted to the frame structure by a spherical rubber bushing, shock absorbers with accumulators and cross stays.

**Reat suspension:** 3-point bogie beam suspension consisting of a straddle-mounted bogie beam with maintenance free rubber bearings, flexible rubber pads, cross stays and a-stay.



# Specifications

## REFILL CAPACITIES

|                      |   |     | A35G  |          | A40G  |        |
|----------------------|---|-----|-------|----------|-------|--------|
| Crankcase            | l | gal | 50    | 13.2     | 50    | 13.2   |
| Fuel tank            | l | gal | 480   | 126.8    | 480   | 126.8  |
| Cooling system       | l | gal | 44    | 11.6     | 44    | 11.6   |
| Brake cooling system | l | gal | 188   | 49.7     | 188   | 49.7   |
| Transmission         | l | gal | 43    | 11.4     | 43    | 11.4   |
| Dropbox              | l | gal | 9     | 2.4      | 9     | 2.4    |
| Axles, front/bogie   | l | gal | 25/51 | 6.6/13.5 | 26/53 | 6.9/14 |
| Hydraulic tank       | l | gal | 174   | 46       | 174   | 46     |
| DEF                  | l | gal | 39    | 10.3     | 39    | 10.3   |

## SPEED

|                |      |     | A35G |      | A40G |      |
|----------------|------|-----|------|------|------|------|
| <b>Forward</b> |      |     |      |      |      |      |
| 1              | km/h | mph | 5.9  | 3.7  | 5.8  | 3.6  |
| 2              | km/h | mph | 8.6  | 5.3  | 8.5  | 5.3  |
| 3              | km/h | mph | 10.3 | 6.4  | 10.4 | 6.5  |
| 4              | km/h | mph | 15.2 | 9.4  | 15   | 9.3  |
| 5              | km/h | mph | 21.9 | 13.6 | 21.6 | 13.4 |
| 6              | km/h | mph | 27.7 | 17.2 | 27.3 | 17   |
| 7              | km/h | mph | 36.6 | 22.7 | 36.1 | 22.4 |
| 8              | km/h | mph | 48.5 | 30.1 | 47.8 | 29.7 |
| 9              | km/h | mph | 57   | 35.4 | 57   | 35.4 |
| <b>Reverse</b> |      |     |      |      |      |      |
| 1              | km/h | mph | 6.6  | 4.1  | 6.5  | 4    |
| 2              | km/h | mph | 9.5  | 5.9  | 9.4  | 5.8  |
| 3              | km/h | mph | 18   | 11.2 | 18   | 11.2 |

## OPERATING WEIGHT UNLOADED

|         |    |    | A35G     |        | A40G      |        |
|---------|----|----|----------|--------|-----------|--------|
| Tires   |    |    | 26.5R25* |        | 29.5R25** |        |
| Front   | kg | lb | 15,700   | 34,613 | 16,100    | 35,494 |
| Rear    | kg | lb | 13,600   | 29,983 | 14,600    | 32,187 |
| Total   | kg | lb | 29,300   | 64,595 | 30,700    | 67,682 |
| Payload | kg | lb | 34,500   | 76,059 | 39,000    | 85,980 |

Operating weight includes all fluids and operator

\*) A35G with tires 775/65R25, add 200 kg (440 lb)/axle

\*\*) A40G with tires 875/65R25, add 300 kg (660 lb)/axle

## TOTAL WEIGHT

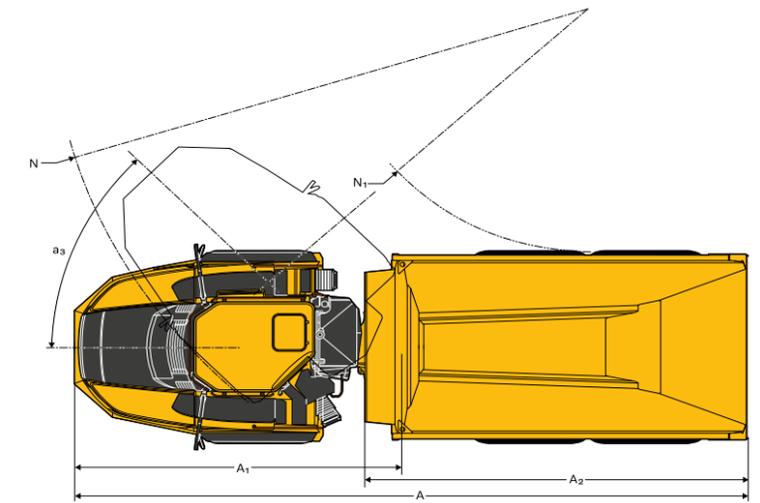
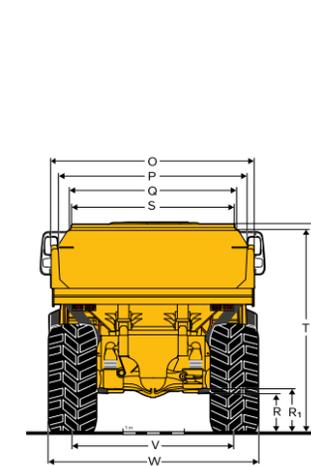
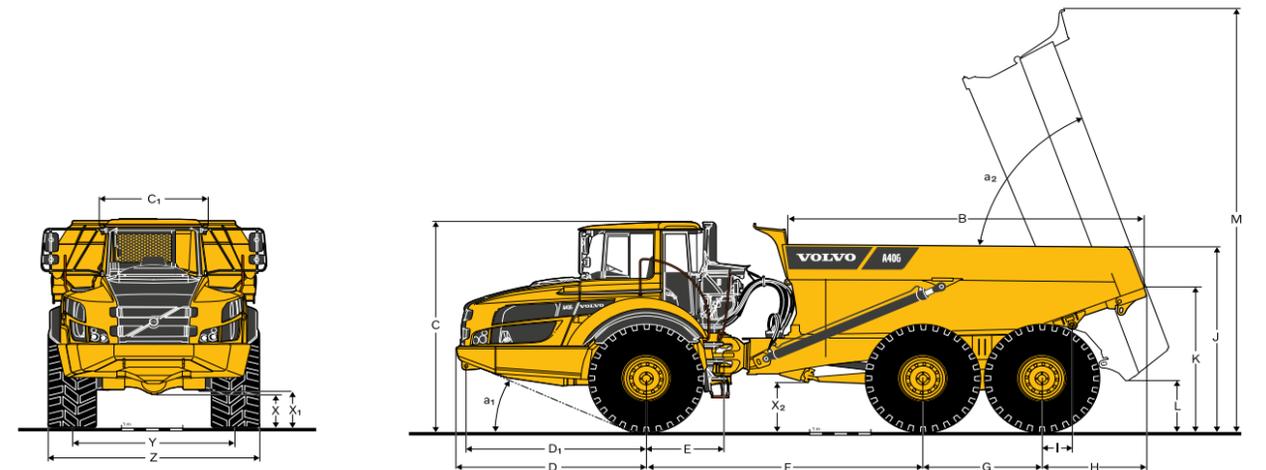
|       |    |    | A35G     |         | A40G      |         |
|-------|----|----|----------|---------|-----------|---------|
| Tires |    |    | 26.5R25* |         | 29.5R25** |         |
| Front | kg | lb | 19,200   | 42,329  | 20,450    | 45,084  |
| Rear  | kg | lb | 44,600   | 98,326  | 49,250    | 108,578 |
| Total | kg | lb | 63,800   | 140,655 | 69,700    | 153,662 |

\*) A35G with tires 775/65R25, add 200 kg (440 lb)/axle

\*\*) A40G with tires 875/65R25, add 300 kg (660 lb)/axle

## GROUND PRESSURE

|                 |     |     | A35G    |      | A40G    |      | A35G      |      | A40G      |      |
|-----------------|-----|-----|---------|------|---------|------|-----------|------|-----------|------|
| Tires           |     |     | 26.5R25 |      | 29.5R25 |      | 775/65R25 |      | 875/65R25 |      |
| <b>Unloaded</b> |     |     |         |      |         |      |           |      |           |      |
| Front           | kPa | psi | 132     | 19.1 | 111     | 16.1 | 115       | 16.7 | 98        | 14.2 |
| Rear            | kPa | psi | 54      | 7.8  | 47      | 6.8  | 48        | 7    | 42        | 6.1  |
| <b>Loaded</b>   |     |     |         |      |         |      |           |      |           |      |
| Front           | kPa | psi | 158     | 22.9 | 139     | 20.2 | 138       | 20   | 121       | 17.5 |
| Rear            | kPa | psi | 183     | 26.5 | 167     | 24.2 | 160       | 23.2 | 146       | 21.2 |



## DIMENSIONS

| Pos            | Unit     | A35G   |       | A40G   |        |
|----------------|----------|--------|-------|--------|--------|
| A              | mm ft in | 11,180 | 36'8" | 11,263 | 36'11" |
| A <sub>1</sub> | mm ft in | 5,476  | 18'   | 5,476  | 18'    |
| A <sub>2</sub> | mm ft in | 6,241  | 20'6" | 6,404  | 21'0"  |
| B              | mm ft in | 5,568  | 18'3" | 5,844  | 19'2"  |
| C              | mm ft in | 3,547  | 11'8" | 3,599  | 11'10" |
| C <sub>1</sub> | mm ft in | 1,772  | 5'10" | 1,772  | 5'10"  |
| D              | mm ft in | 3,100  | 10'2" | 3,100  | 10'2"  |
| D <sub>1</sub> | mm ft in | 2,942  | 9'8"  | 2,942  | 9'8"   |
| E              | mm ft in | 1,277  | 4'2"  | 1,277  | 4'2"   |
| F              | mm ft in | 4,578  | 15'0" | 4,518  | 14'10" |
| G              | mm ft in | 1,820  | 6'    | 1,940  | 6'4"   |
| H              | mm ft in | 1,683  | 5'6"  | 1,706  | 5'7"   |
| I              | mm ft in | 650    | 2'2"  | 495    | 1'7"   |
| J              | mm ft in | 3,014  | 9'11" | 3,132  | 10'3"  |
| K              | mm ft in | 2,304  | 7'7"  | 2,435  | 8'     |
| L              | mm ft in | 890    | 2'11" | 822    | 2'8"   |
| M              | mm ft in | 7,236  | 23'9" | 7,265  | 23'10" |
| N              | mm ft in | 8,866  | 29'1" | 8,957  | 29'5"  |
| N <sub>1</sub> | mm ft in | 4,416  | 14'6" | 4,327  | 14'2"  |
| O              | mm ft in | 3,216  | 10'7" | 3,430  | 11'3"  |

## DIMENSIONS

| Pos            | Unit     | A35G  |       | A40G  |       |
|----------------|----------|-------|-------|-------|-------|
| P              | mm ft in | 2,902 | 9'6"  | 3,118 | 10'3" |
| Q              | mm ft in | 2,553 | 8'5"  | 2,820 | 9'3"  |
| R              | mm ft in | 564   | 1'10" | 613   | 2'0"  |
| R <sub>1</sub> | mm ft in | 652   | 2'2"  | 701   | 2'4"  |
| S              | mm ft in | 2,423 | 7'11" | 2,651 | 8'8"  |
| T              | mm ft in | 3,382 | 11'1" | 3,427 | 11'3" |
| U              | mm ft in | 3,498 | 11'6" | 3,546 | 11'8" |
| V              | mm ft in | 2,534 | 8'4"  | 2,636 | 8'8"  |
| W              | mm ft in | 3,221 | 10'7" | 3,403 | 11'2" |
| X              | mm ft in | 500   | 1'8"  | 553   | 1'10" |
| X <sub>1</sub> | mm ft in | 592   | 1'11" | 645   | 2'1"  |
| X <sub>2</sub> | mm ft in | 738   | 2'5"  | 788   | 2'7"  |
| Y              | mm ft in | 2,534 | 8'4"  | 2,636 | 8'8"  |
| Z              | mm ft in | 3,221 | 10'7" | 3,403 | 11'2" |
| a <sub>1</sub> | °        | 23.6  |       | 24.3  |       |
| a <sub>2</sub> | °        | 72    |       | 70    |       |
| a <sub>3</sub> | °        | 45    |       | 45    |       |

A35G: Unloaded machine with 26.5R25

A40G: Unloaded machine with 29.5R25

# Equipment

| STANDARD EQUIPMENT  | A35G | A40G |
|---|------|------|
| <b>Engine</b>   |      |      |
| Direct injected, electronically controlled, turbocharged, intercooled | •    | •    |
| Grouped oil filters   | •    | •    |
| Preheater for easier cold starts                                      | •    | •    |
| VEB (exhaust retarder EPG + compression brake)                        | •    | •    |
| <b>Tires</b>  |      |      |
| 26.5R25   | •    | –    |
| 29.5R25   | –    | •    |
| <b>Drivetrain</b>   |      |      |
| 6x4 and 6x6 automatically engaged drive modes                         | •    | •    |
| Dog clutch type 100% diff-locks in all axles                          | •    | •    |
| Full automatic transmission   | •    | •    |
| Dropbox with longitudinal diff-lock                                   | •    | •    |
| Torque converter with automatic lock-up                               | •    | •    |
| <b>Electrical System</b>  |      |      |
| 120 A alternator  | •    | •    |
| Battery disconnect switch   | •    | •    |
| Extra 24 V socket for lunch cooler                                    | •    | •    |
| Lights:   | •    | •    |
| Back-up light   | •    | •    |
| Brake lights  | •    | •    |
| Cab lighting  | •    | •    |
| Direction indicators  | •    | •    |
| Headlights  | •    | •    |
| Instrument lighting   | •    | •    |
| Parking lights  | •    | •    |
| Rear lights   | •    | •    |
| <b>Brake system</b>   |      |      |
| Hill assist   | •    | •    |
| Load & Dump Brake   | •    | •    |
| Retarder pedal  | •    | •    |
| Parking brake on propeller shaft                                      | •    | •    |
| Two circuit, fully hydraulic, wet discs on all axles                  | •    | •    |
| <b>Body</b>   |      |      |
| Body prepared for exhaust heating and optional equipment              | •    | •    |
| <b>Safety</b>   |      |      |
| Anti-slip steps and platforms   | •    | •    |
| Dump body lock  | •    | •    |
| Handrails on steps and platforms                                      | •    | •    |
| Hazard lights   | •    | •    |
| Horn  | •    | •    |
| Protective grill for cab rear window                                  | •    | •    |
| Rear-view mirrors   | •    | •    |
| Retractable 3-inch safety belt  | •    | •    |
| ROPS/ FOPS - certified cab  | •    | •    |
| Secondary steering  | •    | •    |
| Steering joint lock   | •    | •    |
| Windshield washers  | •    | •    |
| Windshield wipers with interval function                              | •    | •    |
| Dump support system   | •    | •    |

| STANDARD EQUIPMENT                                 | A35G | A40G |
|--|------|------|
| <b>Comfort</b>                                     |      |      |
| ACC control panel                                  | •    | •    |
| Ashtray  | •    | •    |
| Cab heater with filtered fresh air and defroster   | •    | •    |
| Can holder /storage tray                           | •    | •    |
| Cigarette lighter                                  | •    | •    |
| Instructor seat with seat belt                     | •    | •    |
| Overhead console for radio                         | •    | •    |
| Sliding window                                     | •    | •    |
| Space for lunch cooler                             | •    | •    |
| Storage box  | •    | •    |
| Sun visor  | •    | •    |
| Tilt/telescopic steering wheel                     | •    | •    |
| Tinted glass                                       | •    | •    |
| <b>Operator information interface</b>              |      |      |
| Gauges:  |      |      |
| Brake pressure                                     | •    | •    |
| Fuel   | •    | •    |
| Speedometer  | •    | •    |
| Tachometer   | •    | •    |
| Wet disc brakes cooling oil temperature            | •    | •    |
| <b>Warning lights grouped and easy to read</b>     |      |      |
| Central warning (3 levels) for all vital functions | •    | •    |
| <b>Central positioned information display</b>      |      |      |
| Automatic pre-start checks                         | •    | •    |
| Clock  | •    | •    |
| Hour meter   | •    | •    |
| Operational information, easy-to-navigate menu     | •    | •    |
| Troubleshooting diagnostics                        | •    | •    |
| <b>Exterior</b>                                    |      |      |
| Front mudguard wideners and rear mudflaps          | •    | •    |
| <b>Service and maintenance</b>                     |      |      |
| Electrical engine hood                             | •    | •    |
| Machine Tracking Information System MATRIS         | •    | •    |
| Service platform integrated in the front grill     | •    | •    |
| Tool box   | •    | •    |

| OPTIONAL EQUIPMENT                  | A35G | A40G |
|-------------------------------------|------|------|
| <b>Engine</b>                       |      |      |
| Air filter, heavy duty, EON         | •    | •    |
| Engine heater, 120 V, USA           | •    | •    |
| Engine heater, 240 V                | •    | •    |
| Engine heater, diesel (Eberspächer) | •    | •    |
| Engine auto shutdown                | •    | •    |
| Engine shutdown timer               | •    | •    |
| External emergency engine stop      | •    | •    |
| Fuel filter, extra                  | •    | •    |
| High engine idle speed              | •    | •    |
| <b>Tires</b>                        |      |      |
| 775/65R25                           | •    | –    |
| 875/65R25                           | –    | •    |

| OPTIONAL EQUIPMENT                           | A35G | A40G |
|--|------|------|
| <b>Electrical System</b>                     |      |      |
| Headlights, LED                              | •    | •    |
| Warning beacon, LED                          | •    | •    |
| Working lights, halogen                      | •    | •    |
| Working lights, LED                          | •    | •    |
| Entrance light                               | •    | •    |
| Anti-theft system (pin code)                 | •    | •    |
| Rear view camera                             | •    | •    |
| Reverse alarm                                | •    | •    |
| CAN-BUS interface, extra                     | •    | •    |
| <b>Cab</b>                                   |      |      |
| Noise reduction kit (fulfils 2000/14/EC)     | •    | •    |
| Anchorage, operator's manual                 | •    | •    |
| Cab heating/ventilation timer                | •    | •    |
| Cable kit, for cab heater 240 V              | •    | •    |
| HEPA cab air filter                          | •    | •    |
| Bluetooth radio kit                          | •    | •    |
| Rear view mirrors, adjustable, el.heated     | •    | •    |
| Seat belt XXL, non-retractable               | •    | •    |
| Sun blinds, side windows                     | •    | •    |
| Universal key                                | •    | •    |
| Air suspended, heated, fully adjustable seat | •    | •    |
| Armrest for operator seat                    | •    | •    |
| Headrest for operator seat                   | •    | •    |
| Low profile cab                              | •    | •    |

| OPTIONAL EQUIPMENT                            | A35G | A40G |
|---|------|------|
| <b>Body</b>                                   |      |      |
| Body exhaust heating                          | •    | •    |
| Front spillguard, extra                       | •    | •    |
| Side extension, 200 mm / 7.9 in               | •    | •    |
| Side extension, light material                | •    | •    |
| Tailgate, overhung, linkage-operated          | •    | •    |
| Tailgate, overhung, wire-operated             | •    | •    |
| Tailgate, underhung                           | •    | •    |
| Wear plates, 450 HB                           | •    | •    |
| Underground body                              | •    | •    |
| <b>Safety</b>                                 |      |      |
| Fire suppression system                       | •    | •    |
| Warning triangle                              | •    | •    |
| First aid kit and fire extinguisher           | •    | •    |
| Fire extinguisher                             | •    | •    |
| Wheel chocks                                  | •    | •    |
| <b>Service and maintenance</b>                |      |      |
| Lube system, standard machine                 | •    | •    |
| Lube system, tailgate                         | •    | •    |
| Lubrication hose, ground level greasing       | •    | •    |
| Tool kit                                      | •    | •    |
| <b>Others</b>                                 |      |      |
| Siberian kit -40°C                            | •    | •    |
| Arctic oil kit                                | •    | •    |
| CareTrack                                     | •    | •    |
| Fast fuelling system                          | •    | •    |
| Jump start connector, NATO -type              | •    | •    |
| Frame extension                               | •    | •    |
| Haul Assist - On-Board Weighing               | •    | •    |
| Haul Assist - Tire Pressure Monitoring System | •    | •    |

## SELECTION OF VOLVO OPTIONAL EQUIPMENT

Fire suppression system



Fast fuelling



Heavy duty air filter



Exhaust body heating



LED lighting



Wear plates



Not all products are 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.

# Solutions for you

Our industry leading machines are just the start of your relationship with Volvo. As your partner, we have developed an extensive range of additional solutions to help you improve uptime, boost productivity and reduce costs.

Our portfolio of products and services is designed to complement your machine's performance and boost your profitability. Simply put, we offer some of the best guarantees, warranties and technological solutions in the industry today. Below are just some examples. Talk to your dealer to find out and discuss the right fit for you!

|   |  |  |
|---|--|--|
| <br>Fuel Efficiency Services | <br>Productivity Services | <br>Safety Services   |
| <br>Financial Services       | <br>Uptime Services       | <br>Rental Services   |
| <br>Volvo Attachments        | <br>Genuine Volvo Parts   | <br>New life Services |



## Get the most from your machine

While reliable and efficient machines of course play a vital role in reducing costs, enhancing safety and maximizing productivity, it is ultimately the performance of the operator that really makes the difference. We offer a range of training initiatives to help operators unlock the full capability of their Volvo Articulated Hauler.

## Connected to Uptime

Maximize machine uptime and reduce repair costs with the CareTrack telematic system. Choose to keep track of your machine yourself or let us take care of it with ActiveCare Direct. Our Volvo Uptime Center will provide 24/7 machine monitoring, supplying weekly reports and notifying you should preventive maintenance action be required.

## Control your maintenance costs

Stay on track with planned servicing and keep your asset covered with our range of flexible maintenance and repair agreements.

## Optimize site efficiency

Using Volvo Site Simulation, we can help you make on-site logistics more efficient and lower your cost per tonne. Get recommendations on the best fleet configuration and site set-up to maximize profitability.

## 24h parts delivery guarantee

Maintain productivity and machine uptime with our range of readily available parts, all backed by Volvo warranty – with 24-hour parts delivery guarantee. Only by using Genuine Volvo Parts, can you protect your investment, extend machine life and guarantee long lasting performance.

## Lifetime Frame and Structure Warranty

Quality has long been a hallmark of the Volvo brand. Decades of experience, both in the field and in the laboratory, are today delivering unsurpassed frame and structure durability. We believe in the quality of our products – so much so that Volvo machines come with a Lifetime Frame and Structure Warranty, covering the frame, articulation joint and arm.

**V O L V O**