

VOLVO CONSTRUCTION EQUIPMENT

# ARTICULATED HAULERS



**MORE CARE. BUILT IN.**



*Courtesy of Machine.Market*

# REVOLUTION OR EVOLUTION - WE STRONGLY BELIEVE IN BOTH!

Every other articulated hauler in the world is a Volvo. Of course, that's not by chance. Volvo created the revolutionary articulated hauler concept, and since then, we've been the development leader. Continued development, or evolution if you like, adds another chapter to the hauler success story with the new E-series. At the same time, once again we're spearheading a new revolution, this time with the new and innovative FS-model – the world's first full suspension articulated haulers.

## **Boost your business growth**

At the same time as demands increase, the advantages of Volvo's articulated haulers become very obvious. Quite simply, they're designed for effective hauling of different loads without taking the long way around, even in the most extreme conditions. Reliability and productivity of the articulated hauler concept get a boost from the optimized drivetrain. Every part of the drivetrain is developed by Volvo for maximal rimpull, operating reliability, fuel-efficiency, and long life.

## **FS for speed and comfort**

The FS-haulers (Full Suspension) successfully combine maneuverability with high speed and comfort at a level many thought impossible. Volvo has made it possible. With an FS-hauler, there's a whole new meaning to both productivity and comfort. The haulers operate at high speed without rocking or bouncing, both loaded and unloaded, even where haul roads are very rough. And, hauling becomes even safer thanks to better ground contact.

## **A comfortable workplace**

The articulated hauler can never achieve maximal productivity without a satisfied operator. That's why it's natural for a world-class hauler to have a world-class operator's environment. Volvo has been the leader for a long time when it comes to the operator's environment, and has received numerous awards for cab development. With the E-series, Volvo once again reinforces the position as frontrunner. In a Volvo hauler, the operator can stay focused on the job – even on those really long shifts.

## **Volvo - a partner to trust**

Service stops steal time from production. That's why we've designed our articulated haulers for minimal service. Volvo's global dealer network offers peace of mind. For service and maintenance, you know that Volvo is always nearby with genuine spare parts and trained service technicians – making your ownership both profitable and trouble-free.



# A MACHINE YOU CAN ALWAYS TRUST

## **Volvo's Unique Self-compensating Hydro-mechanical Steering**

- Powerful and accurate steering for safe operation and high productivity.

## **Excellent Operator Environment**

- A spacious and comfortable cab with centrally positioned operator contributes to high productivity throughout the shift.
- Ergonomically positioned controls, air-conditioning, air suspension seat with tilt/telescopic steering wheel, wide angle forward view for reduced operator fatigue and high safety.

## **Volvo Drive Train**

- Correctly matched Volvo-designed components, specifically developed for hauler applications. Low power losses and long service life.
- 9-speed transmission gives smooth shifting and high power at all times.

## **6x4 and 6x6 with Five Operating Modes**

- Easy to use drive combinations for every type of operating condition, reduces fuel consumption, driveline and tire wear and increases off-road mobility.

## **Exhaust Brake and Retarder**

- Easy to operate powerful retardation in combination with wet-disc brakes reduces wear and operating cost.

## **Heavy-Duty Axles**

- Purpose built with 100% dog clutch type diff-lock.

## **High-Capacity Cooling System**

- Power and fuel saving, hydraulically-driven, side mounted variable speed fan consumes power only when needed.



### **Purpose-built dropbox**

- Proven in-line drop-box provides high ground clearance, gives stability and low internal power losses.

### **Swing Down Front Service Platform**

- Grouped engine filters and remote mounted drains reduce service time. Contronic System electronically monitors fluid levels and systems for ease of service and trouble shooting.

### **Serviceability**

- No daily or weekly service.

### **Volvo's Unique Self-compensating Hydraulic Full Suspension**

- Hydraulic full suspension with automatic leveling and stabilizer provides excellent off-road performance promoting higher speeds for improved productivity, safety and operator comfort.

### **Frames and Chassis**

- Box type design frames provides strong, weight optimized, high quality frames for long service life.
- Rotating hitch and articulated steering provides good off-road mobility and less stress on the frames in tough applications. High positioned hitch provides high ground clearance and stability.

### **High strength steel 400 HB body**

- High chute and tipping joint with 70° or greater dump angle promotes load retention and ejection.

### **State-of-the-Art Hydraulic System**

- Variable displacement piston pumps consume power only when required.



# TECHNICAL DATA



## Specifications

		A25E 4x4	A25E	A30E
Engine, Volvo		D9B ABE3*/AAE3**	D9B ABE3*/AAE3**	D9B ACE3*/ ADE3**
Max power at	r/s (rpm)	35 (2 100)	35 (2 100)	31,7 (1 900)
SAE J1995 Gross	kW (hp)	224 (300)	224 (300)	252 (338)
ISO 9249, SAEJ1349 Net	kW (hp)	223 (299)	223 (299)	251 (336)
Max torque at	r/s (r/min)	20 (1 200)	20 (1 200)	20 (1 200)
SAE J1995 Gross	Nm (lb ft)	1 700 (1 254)	1 700 (1 254)	1 700 (1 254)
ISO 9249, SAEJ1349 Net	Nm (lb ft)	1 689 (1 246)	1 689 (1 246)	1 689 (1 246)
Max. speed	km/h (mph)	53 (32.9)	53 (32.9)	53 (32.9)
Load Capacity	kg (sh tn)	24 000 (26.5)	24 000 (26.5)	28 000 (31)
SAE 2:1 heap	m <sup>3</sup> (yd <sup>3</sup> )	13 (17)	15 (19.6)	17,5 (22.9)
Net weight	kg (lb)	19 470 (42,924)	21 560 (47,531)	23 060 (50,838)
Gross weight	kg (lb)	43 470 (95,835)	45 560 (100,442)	51 060 (112,568)

\*) Meets Europe (EU) Stage IIIA

\*\*) Meets US (EPA) Tier 3, California (CARB) Tier 3 and Europe (EU) Stage III



## Specifications

		A35E	A35E FS	A40E	A40E FS
Engine, Volvo		D12D AFE3*/AAE3**	D12D AFE3*/AAE3**	D16E ABE3*/AAE3**	D16E ABE3*/AAE3**
Max power at	r/s (rpm)	30 (1 800)	30 (1 800)	30 (1 800)	30 (1 800)
SAE J1995 Gross	kW (hp)	313 (419)	313 (419)	350 (469)	350 (469)
ISO 9249, SAEJ1349 Net	kW (hp)	309 (414)	309 (414)	346 (464)	346 (464)
Max torque at	r/s (r/min)	20 (1 200)	20 (1 200)	20 (1 200)	20 (1 200)
SAE J1995 Gross	Nm (lb ft)	2 100 (1 549)	2 100 (1 549)	2 525 (1 862)	2 525 (1 862)
ISO 9249, SAEJ1349 Net	Nm (lb ft)	2 056 (1 547)	2 056 (1 547)	2 493 (1 837)	2 493 (1 837)
Max. speed	km/h (mph)	57 (35.4)	57 (35.4)	57 (35.4)	57 (35.4)
Load Capacity	kg (sh tn)	33 500 (37)	33 500 (37)	39 000 (43)	39 000 (43)
SAE 2:1 heap	m <sup>3</sup> (yd <sup>3</sup> )	20,5 (26.8)	20,5 (26.8)	24,0 (31.4)	24,0 (31.4)
Net weight	kg (lb)	28 100 (61,950)	28 500 (62,832)	30 200 (66,580)	30 600 (67,461)
Gross weight	kg (lb)	61 600 (135,805)	62 000 (136,686)	69 200 (152,560)	69 600 (153,442)

\*) Meets Europe (EU) Stage IIIA

\*\*) Meets US (EPA) Tier 3, California (CARB) Tier 3 and Europe (EU) Stage III



Volvo Construction Equipment is different. The company's products are designed, built and supported in a different way. That difference comes from our 175-year engineering heritage. A heritage of thinking first about the people who actually use the machines. About how to make them 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.**



*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.*

# **VOLVO**

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[www.volvoce.com/na](http://www.volvoce.com/na)

Ref. No. 22 A 100 3157  
Printed in USA 11/07 - 5,0  
Volvo, Asheville

English  
USA

*Courtesy of Machine.Market*