



# Volvo BM A25B 6x6 Coal Hauler



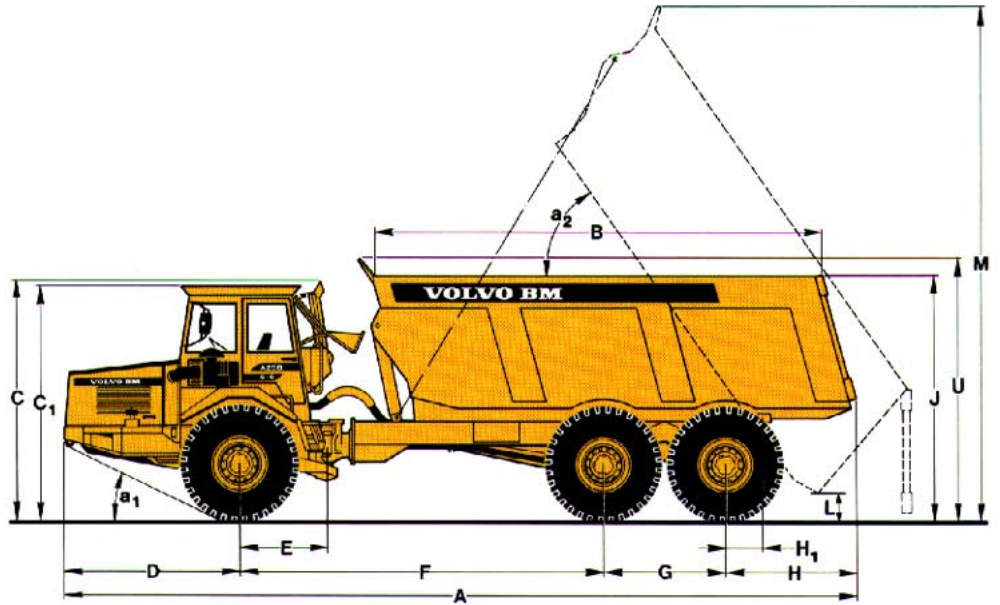
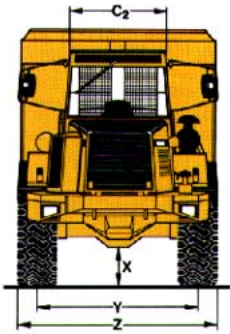
*The A25B coal hauler is built up from the standard machine with a purpose-built body on the specially adapted and reinforced TC-50 chassis, all by factory standards. The body volume is 24 m<sup>3</sup> (31,4 yd<sup>3</sup>) and is equipped with a topinged tail-gate.*

*Together with the A25B concept follows features like 100% diff-lock, 6-wheel-drive, automatic transmission, excellent operator comfort, great traversability and the well-known bogie-system.*

*The coal hauler is mainly intended for mining applications and is designed and developed for 0,9 ton/m<sup>3</sup>. Due to its high volume capacity the machine is useful for other bulk material handling.*



## **VOLVO BM**



A	10800	(35'5")	F	4975	(16'4")	L	390	(1'3")	C2	1320	(4'4")
B	6000	(19'8")	G	1650	(5'5")	L1	590	(1'17")	X	450	(1'6")
C*	3240	(10'8")	H	1765	(5'7")	M	7000	(23")	Y	2150	(7'6")
C1	3150	(10'4")	H1	385	(1'3")	U*	3550	(11'8")	Z	2795	(9'2")
D	2415	(7'11")	I	1945	(6'5")	a1	26°				
E	1200	(3'11")	J*	3390	(11'2")	a2	50°				

\* = unloaded machine equipped with 23.5-25 R tires

## ENGINE

Volvo TD 71 K Intercooler 6-cylinder in-line directinjected turbocharged aftercooled 4-cycle diesel with overhead valves and wet replaceable cylinder linings

Max. power at	r/s	(r/min)	40	(2400)
SAE J1349 Gross	kW	(hp)	180	(244)
Flywheel power at	r/s	(r/min)	40	(2400)
SAE J1349 Net	kW	(hp)	177	(240)
DIN 6271	kW	(hp)	177	(240)
Max. torque at	r/s	(r/min)	27	(1600)
SAE J1349 Gross	Nm	(lbf ft)	815	(601)
SAE J1349 Net	Nm	(lbf ft)	800	(590)
DIN 6271	Nm	(lbf ft)	800	(590)

## DRIVETRAIN

**Torque converter:** single stage with free-wheeling stator and automatic lock-up on all gears

**Transmission:** Planetary transmission, electronically controlled fully automatic gear shifting

**Dropbox:** Volvo BM dropbox with 2-stage design, power take-off and differential with diff lock

**Axles, 6 wheel drive:** All axles are of Volvo BM design, AH 54. The axles have fully floating axle shafts with planetary gear type hub reduction.

**Differential locks:** One longitudinal and three transversal differential locks. All with 100% lock-up.

## BRAKE SYSTEM

Dual-circuit system with air hydraulic disc brakes, designed to comply with ISO 3450 and SAE J1473 at total machine weight.

## SUSPENSION

### VOLVO BM SUSPENSION SYSTEM

**Front axle:** Two rubber springs with bottoming absorption on each side. Stabilizer. Shock absorbers, two on each side.

**Bogie:** Volvo BM unique terrain bogie with independent axle suspension

## BODY

**Body:** Body made of high tensile steel with particularly high impact strength.

**Cylinder:** One single-acting five-stage hoist cylinders.

Tipping time	12 s
Lowering time	16 s
Tipping angle	55°

## LOAD CAPACITY

Body volumes according to SAE 2.1

Load capacity	kg	(sh tons)	22 500	(25)
struck	m3	yd3	24	(31.2)

## WEIGHTS

Service weight includes body, oil, fuel and water.

Service weight (with 23.5-25 R tires)

Front	kg	(lb)	9110	(20085)
Rear	kg	(lb)	10540	(23235)
Total	kg	(lb)	19650	(43320)
Payload	kg	(lb)	22500	(49610)
Total weight				
Front	kg	(lb)	11555	(25470)
Rear	kg	(lb)	30595	(67450)
Total	kg	(lb)	42150	(92925)

## ELECTRICAL SYSTEM

Voltage	V	24
Battery capacity	Ah	2 x 145
Alternator rating	kW	1.68
Starter motor power	kW (hp)	5 (6.8)

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Under our policy of continual product 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.

