



Volvo BM A25B 6x6 Container Hauler

The A25B tipping frame version is specially made for hauling 20 ft ISO containers.

The trailer unit is a standard chassi extended to TC 50. On top a 20 ft ISO tipping frame with cross-members and a tipping angle of 60°. Each corner of the frame is equipped with double acting air operated twist locks manouvered from inside the cab.

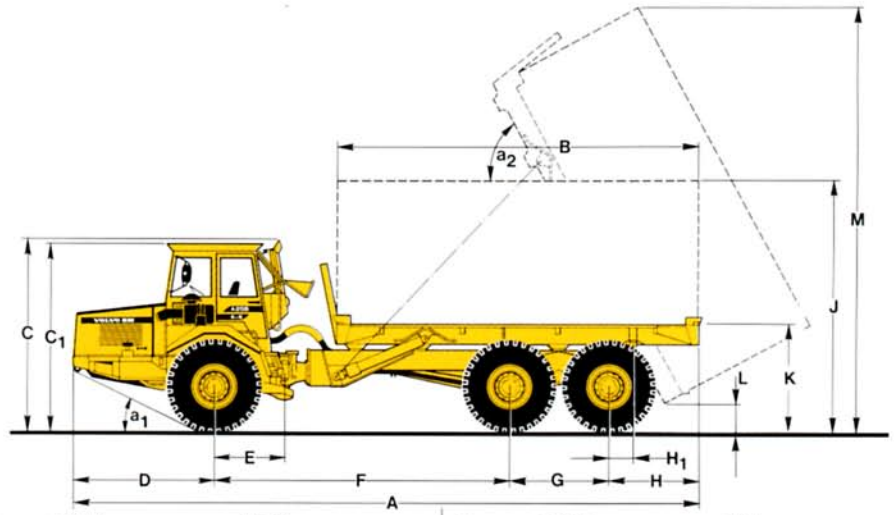
The concept is very useful specially in waste material handling where the ground conditions are rough and soft. The benefits of low ground pressure and the great terrain performance easily pays off.

Engine output:
180 kW (244 hp)

Tires:
23,5 R 25



VOLVO BM



	mm	Ft. Inch
A	10550	34'7"
B	6096	20'
C	3200	10'6"
C ¹	3110	10'2"
C ²	1320	4'4"
D	2415	7'11"
E	1200	3'11"
F	4965	16'3"

G	1670	5'6"
H	1500	4'11"
H ¹	385	1'3"
J *	4240	13'11"
K	1800	5'10"
L	450	1'5"
M *	7150	23'5"
X	450	1'5"
Y	2150	7'6"

Z	2795	9'2"
a ¹	26°	
a ²	60°	
a ³	45°	

* Vary depending on container

ENGINE

6-cylinder, in-line, direct-injected turbocharged intercooled 4-cycle diesel engine with overhead valves and wet replaceable cylinder linings.

Make	Volvo			
Model:	TD 71K			
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.....	Nm (lbf ft)	815	(943)	
SAE J1349.....	Nm (lbf ft)	800	(943)	
DIN.....	Nm (lbf ft)	800	(943)	

DRIVETRAIN

Torque converter: Single stage with free-wheeling stator and automatic lock-up in all gears.

Transmission: ZF 5HP Automatic planetary transmission with 5 gears forward and one reverse.

Dropbox: Volvo BM FL 652 with 2-stage design, power take-off and differential lock.

Differential locks: One longitudinal and three transverse. All with 100% lock-up.

Axles: Volvo BM AH 54. Fully floating with planetary type hub reductions.

WEIGHTS

Service weight includes body, oil, fuel and water.

Service weight (with 23.5R25 tires)				
Front.....	kg (lb)	9320	(20546)	
Rear.....	kg (lb)	8020	(17680)	
Total.....	kg (lb)	17340	(38226)	
Payload.....	kg (lb)	22500	(49603)	
Total weight				
Front.....	kg (lb)	11300	(25470)	
Rear.....	kg (lb)	28600	(67450)	
Total.....	kg (lb)	39900	(92925)	

BRAKE SYSTEM

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

LOAD CAPACITY

Including container
Load capacity kg (sh tons) 22500 (25)

ELECTRICAL SYSTEM

Voltage.....	V	24
Battery capacity.....	Ah	2 x 145
Alternator rating.....	kW	1,68
Starter motor power.....	kW (hp)	5 (6,8)

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. The system is maintenance free.

TIPPING FRAME

Tipping frame: Tipping frame made of 10 mm Domex 350 steel quality. All-welded.

Cylinders: Two 3 stage hoist cylinders of which one step is double-acting.

Tipping time.....	25 s
Lowering time.....	34 s
Tipping angle.....	60°

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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.**

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