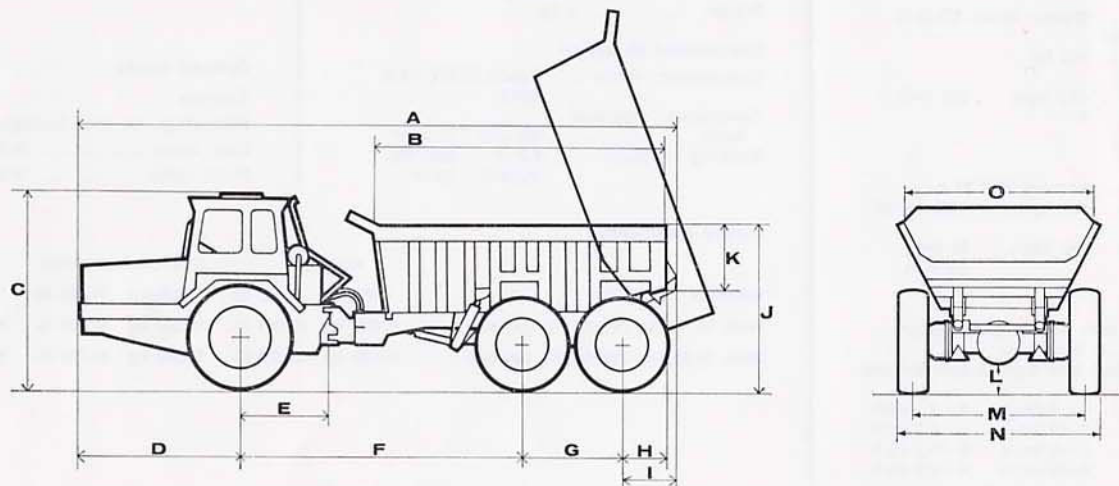




# BM-VOLVO DR 860

Engine rating 150 hp - loading capacity 11 m<sup>3</sup> (14.4 yd<sup>3</sup>)



## Dimensions

A	9.06 m	29 ft 8 in
B	4.24 m	13 ft 11 in
C	2.80 m	9 ft 2 in
D	2.65 m	8 ft 8 in
E	1.28 m	4 ft 2 in
F	4.05 m	13 ft 2 in
G	1.55 m	5 ft 2 in
H	0.85 m	2 ft 8 in

I	0.98 m	3 ft 3 in
J	2.30 m	7 ft 7 in
K	0.70 m	2 ft 4 in
L	0.38 m	1 ft 3 in
M	Track, front	1.97 m 6 ft 6 in
	rear	2.05 m 6 ft 10 in
N	2.50 m	8 ft 2 in
O	2.35 m	7 ft 8 in





## SPECIFICATION BM-VOLVO DR 860

### General data

Service weight ...	12.3 tons	
Load capacity, heaped, SAE ...	11 m <sup>3</sup>	
Length .....	9.06 m	29 ft 8 in
Width .....	2.5 m	8 ft 2 1/2 in
Height to top of body .....	2.3 m	7 ft 6 in
Overall height ....	2.8 m	9 ft 2 in
Max. steering angle	45°	
Turning circle radius .....	7.5 m	24 ft 6 in

### Engine

Type .....	Diesel, Volvo TD 50 B	
Rating SAE at 2500 rev/min .....	150 hp	
Max. torque SAE at 1900 rev/min .	45.7 kgm	330 ft-lb
No. of cylinders ..	6	

### Hydraulics

Pump .....	Vickers 26 V 21 A	
Working pressure .	120 kg/cm <sup>2</sup>	1706 lbf/in <sup>2</sup>
Capacity at 2400 engine rev/min .	140 l/min	31 Imp. gal/min

### Transmission

Torque converter with freewheeling stator		
Make .....	Twin Disc	
Power Shift gearbox with 4 gears both forward and reverse		
1st gear .....	0-6 km/h	0-3.7 mph
2nd gear .....	0-10 km/h	0-6.2 mph
3rd gear .....	0-18 km/h	0-11.2 mph
4th gear .....	0-30 km/h	0-18.6 mph
4-wheel drive engaged and disengaged by pneumatic/mechanical control.		

### Brakes

Pneumatic/mechanical brakes acting on all wheels.  
Parking brake: mechanical, acting via brakes on front unit and forward trailer axle.

### Tyres

Front: .....	18.00-25/16 SGE
Rear: .....	16.00-24/16 SGG

### Electric system

Make .....	Bosch, 12 V
Battery capacity ..	152 Ah
Generator .....	Motorola, 475 W a. c.
Starter .....	4 hp

### Compressed air system

Compressor, make ...	Bosch SV/DT. 12 D 220/1	
Compressor displacement .....	220 cm <sup>3</sup>	11.2 in <sup>3</sup>
Working pressure ....	6.2-7 kgf/cm <sup>2</sup>	880-995 lbf/in <sup>2</sup>

### Weight distribution

	Axle load		Tandem axle load		Gross weight	
Machine, unloaded .....	7,000 kg	15,400 lb	5,300 kg	11,700 lb	12,300 kg	27,000 lb
With 13,700 kg (30,100 lb) payload	10,000 kg	22,000 lb	16,000 kg	35,300 lb	26,000 kg	57,300 lb
With 16,200 kg (35,700 lb) payload .	10,000 kg	22,000 lb	18,500 kg	40,700 lb	28,500 kg	62,700 lb

The manufacturer reserves the right to change specifications without notice.

## **BOLINDER-MUNKTELL**

— member of the Volvo Corporation,  
Eskilstuna, Sweden

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