BM-VOLVO LM 846



articulated heavy-duty loader with "go anywhere" mobility

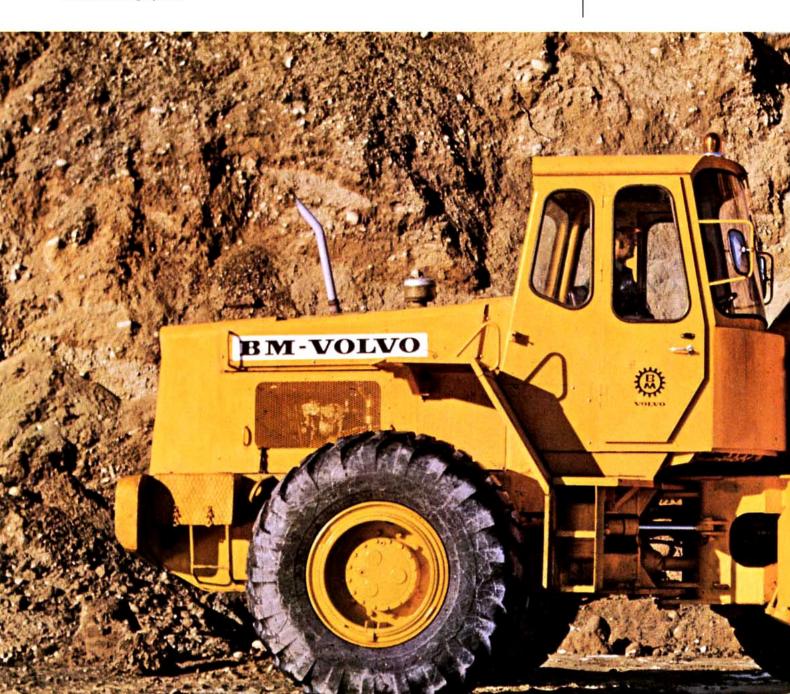
BM-VOLVO LM 846

The BM-VOLVO LM 846 — an articulated, 4-wheel drive loader. It combines the traditional features of BM-VOLVO loaders — high capacity, versatility, manoeuvrability and reliability — with the advantages of articulated steering.

The LM 846 is a loader in the 10-ton class, carefully designed for operations under the most arduous conditions. It has a spacious safety cab offering superior driver comfort. Powerful engine, large wheels and rugged dimensions for tough jobs.

"Go anywhere" mobility

Large wheels which always track
Four-wheel drive
Articulated steering
Differential lock on front axle
Powerful Volvo D 50 B engine,
120 hp "SAE"
Rear axle oscillation 20 in
(0.5 m)
Ground clearance 20 in (0.5 m)
Tight turning radius 16 ft 1 in
(4.9 m)
Long wheel base ensures high travelling speed without spillage



An all-round loader - Long outreach due to a comprehensive range of attachments

Many different standard buckets available for all kinds of materials and jobs You just choose the right bucket for your own specific conditions, for 100% utilization Attachment bracket as optional for rapid changes between attachments

high lift

Rugged loader unit providing high break-out force
"Open and clean" design
means good visibility and reduced risk of damage Long outreach — high lift mean faster working cycles Good bucket angles, max. tipping angle 70° Few bearing points

Outstanding driver comfort

Rubber-mounted cab fitted on rear frame Thorough insulation Low noise level, below the international N 85 curve Generous space for the driver Effective heating and ventilation Excellent visibility through wrap-around windscreen Windscreen wipers front and Fast, convenient gear shifts

Safe in every respect

Impact-tested cab Dual-circuit, four-wheel brakes Hydrostatic steering Starting only in neutral Flashing warning signals
Rear-view mirrors, sun visor
Excellent road-holding owing to long wheel base High-efficiency defroster



Specification BM-VOLVO LM 846

D 50 B 120 hp "SAE" 275 lbf (t (38.1 kgf m) 313 in³ (5.13 litres) 3.75 in (95.25 mm) 4.72 in (120 mm) 17:1 Centrifugal D 50 B Displacement Bore Stroke Compression ratio Centrifugal Air cleaner separator with dry filter element, pressure drop indicator

Electrics

Voltage Voltage
Alternator
Starter
Transistorized charging relay 700 W Safety start device

Torque converter

Single stage, single phase with 3.3:1 stall ratio

Transmission

Full power-shift in two ranges with four forward and four reverse speeds

Speeds

Forward and reverse in miles/h (km/h)
I 0— 4.4 (0— 7)
II 0— 6.9 (0—11)
III 0—11.8 (0—19)
IV 0—18.6 (0—30)

Standard: front 20.5—25/12 rear 20.5—25/12

Dimensions

A 21' 4" (6500 mm)

C 8' 10" (2700 mm)

D 1' 8" (500 mm)

E 1' 10" (770 mm)

G 6' 7" (2000 mm)

H 9' 8" (2950 mm)

J 11' 10" (3620 mm)

K 12' 7" (3830 mm)

L 14' 5" (4400 mm)

M 3' 4" (1030 mm)

N 5' 3" (1600 mm)

O 46°

P 48°

R 41°

S 56°

Dimensions

Hydrostatic system Angular deflection to both sides
Turning radius

Brakes

Hydro-pneumatic, 2-circuit safety system with drum brakes on all wheels Parking brake

Hydraulics

Capacity	Hamworthy 48 Imp. gal/min (220 I/min)
Working pressure (low pres-	
sure system)	1 700 lbf/in2
university of the same of	(120 kgf/cm ²)
Oil capacity	28.5 Imp.gal
waster for the first	(130 litres)
Lifting cylinders,	
bore × stroke	5×371/2 in
	(130×950 mm)
Tipping cylinders,	
bore × stroke	41/4×191/4 in

(110×490 mm)

General data	
Total weight with bucket	22 060 lb
AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	(10 000 kg)
Total weight with attachment	, ,,,
bracket and bucket	22 500 lb
	(10 200 kg)
Wheel base	8 ft 10 in
	(2.70 m)
Track front and rear	
	(1.90 m)
Ground clearance	1 ft 8 in
	(0.50 m)
Total width	7 ft 10 in
	(2.50 m)
Fuel tank capacity	43 Imp.gal
	(195 litres)

Operating data*

max. Illting neight under	
tipped bucket	9 ft 8 in
	(2.95 m)
Max. outreach at a height of	
61/2 ft (2 metres)	5 ft 6 in
	(1.64 m)
Tipping load, SAE, straight/ angled machine at an out- reach of 61/2 ft (2 metres) from	*************
front wheel centre	13 800/12 150 lb (6 250/5 500 kg)
Bucket capacities	2 ¹ / ₄ yd ³ — 6 ¹ / ₂ yd ³ (1.7 m ³ — 5.0 m ³)

The capacity figures are based on rear tyres without calcium chloride solution.

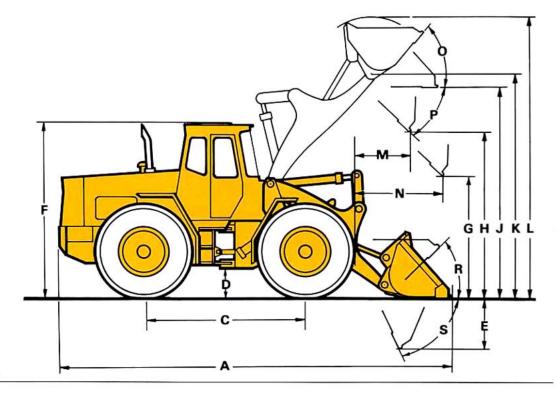
Standard equipment

Standard equipment
Safety cab, spring-cushioned seat, heater with
fresh air intake, defroster, windscreen wipers
front and rear, external rearview mirrors, twin
headlights front and twin working lights rear,
parking lights, front working light, tail and brake
lights. direction indicators, flashing warning
lamps, horn, sun visor, engine hour recorder,
fuel gauge, electric cigarette lighter, ashtray,
storage tray, socket for inspection lamp, socket
for trailer, alternator, warning lamp for parking
brake, automatic differential lock, compressor
e.g. for tyre pumping, dry air filter with indicator, bucket indicator, safety start device.

Optionals

Optionals
Snap-on attachment bracket with mechanical or hydraulic locking, adapter for complete range of attachments, tubing for 3rd hydraulic function, tubing and change-over valve for 4th hydraulic function, rotating flashing beacon, industrial towing hook, electric engine heater, outlet for trailer brake, tyre pumping unit, safety belt, grill guard for headlights, heavy duty tyres, wrap-around windscreen with tinted glass.

Specifications and design are subject to alteration without prior notice



VOLVO

BOLINDER-MUNKTELL