



BM·VOLVO LOADER LM 422



BM·VOLVO LM 422

— a light, handy loader with exceptionally tight turns

The LM 422 is a fast, inexpensive and versatile loader especially suitable as a supplementary machine for industrial applications and for use by contractors and local authorities, as well as large farms and market gardens.

The LM 422 is powered by a peppy 47-h.p. direct-injection diesel via an easy-shift gear box with 6 gears both forward and reverse. The wide range of gears provides the correct gear for every application.



VOLVO



Reliable hydraulic system

The hydraulic system of the LM 422 operates at a low working pressure, which is a guarantee for long service life, few breakdowns and low maintenance costs. From the driver's seat the function of the lifting rams is quickly switched between single and double-action.



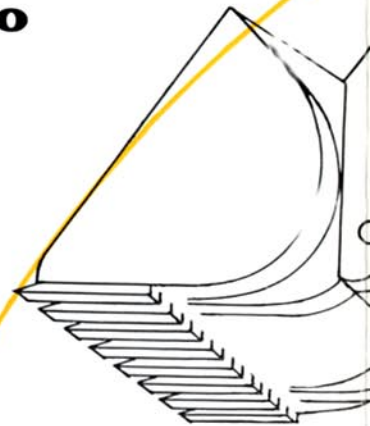
Ample dimensioned steering wheel axle

The steering wheel swing-axle is suspended in the main frame of the loading unit, while the chassis is mounted in a rubber bearing on top of the steering wheel axle mounting. This design prevents bucket break-out forces from being transferred to the chassis.



Time-saving speed-coupling

The implement attachment of the side-arms is of standard BM-VOLVO type — implements can be exchanged in a minute when switching from one job to another.



Parallel linkage — long outreach

The parallel side-arm linkage of the implement attachment ensures that the horizontal alignment of the implement remains unchanged throughout the lifting movement. This is a considerable advantage — for instance, when handling palletted goods. The long outreach — over 4 ft. (1.2 m.) with a 78-in. (2 m.) clearance under tipped bucket — facilitates the loading and unloading of both bulk material and palletted goods on truck platforms and railway wagons.

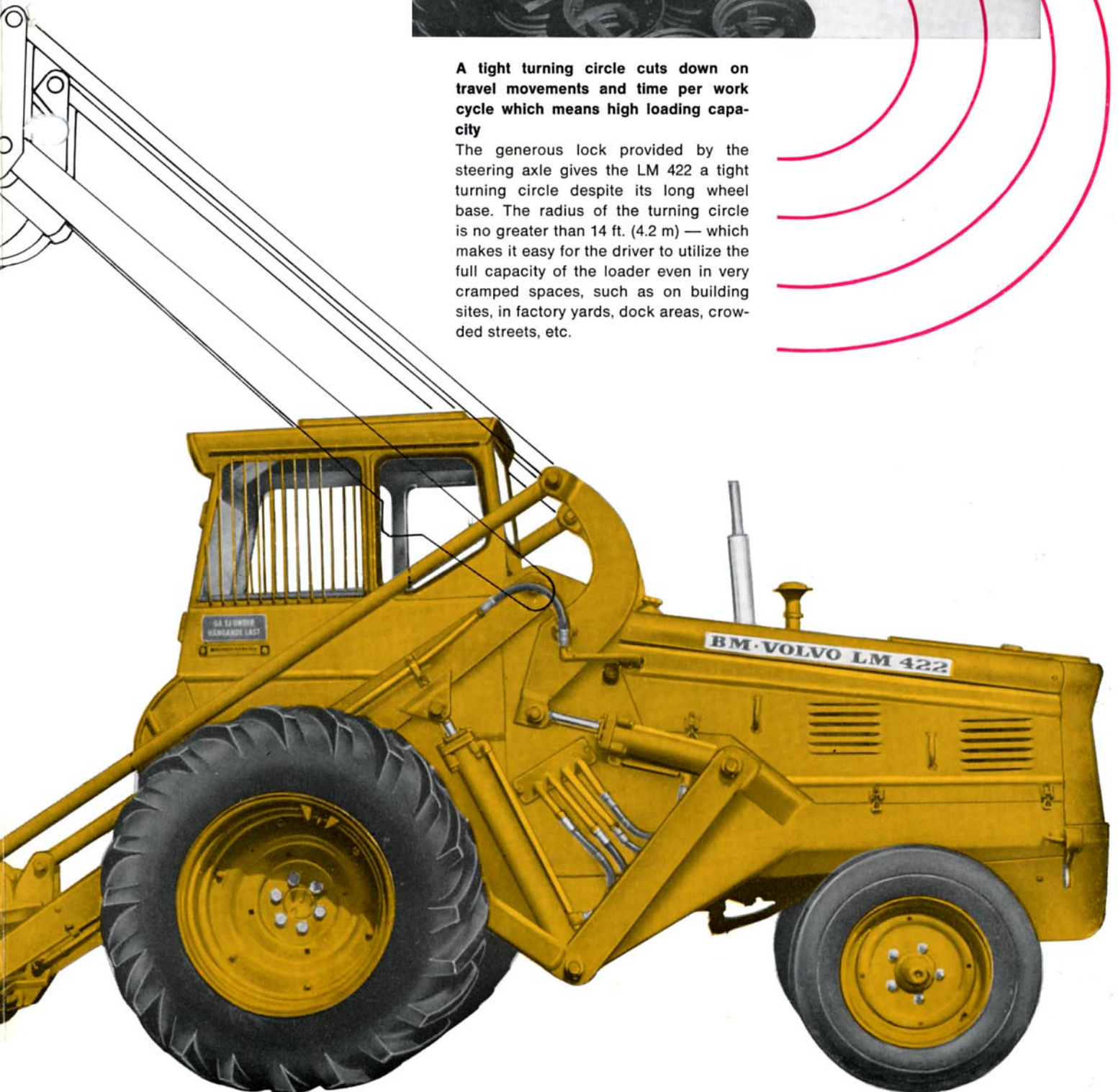


ing circle



A tight turning circle cuts down on travel movements and time per work cycle which means high loading capacity

The generous lock provided by the steering axle gives the LM 422 a tight turning circle despite its long wheel base. The radius of the turning circle is no greater than 14 ft. (4.2 m) — which makes it easy for the driver to utilize the full capacity of the loader even in very cramped spaces, such as on building sites, in factory yards, dock areas, crowded streets, etc.



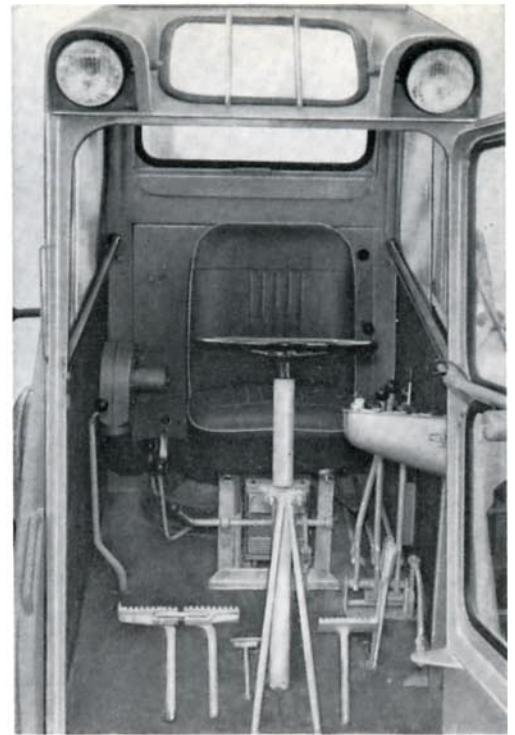
BM·VOLVO LM 422

– a loader in the 4-ton class with superior agility and capacity in very confined spaces

Comfortable – easy to operate

The LM 422 has a steel cab which provides the driver with good comfort and safety. The driver's seat is upholstered and features leg-room adjustment. All levers, pedals and other controls are located within easy reach of the driver and the instrumentation is clearly arranged on an elegant panel. Side and rear windows can be opened.

Opening of the cab door automatically locks loading unit controls. The cab is provided with three emergency exits. It is impact-tested and approved by the National Swedish Workers' Protection Board.



SPECIFICATION

General particulars

Total weight w. bucket	10,140 lb. (4.60 ton)
Wheelbase	6.9 ft. (2.10 m)
Track front/rear	5.5/5.1 ft. (1.67/1.53 m)
Turning circle radius	14' (4.20 m)
Tyres front	13–28 10 ply
rear	7.50–18 10 ply
Width over tyres	6.7 ft. (2.05 m)

Loader unit

Tipping load	3,970 lb. (1.80 ton)
Carrying capacity (bucket 1 ft. (30 cm) above ground)	3,530 lb. (1.60 ton)
Bucket capacity	0.7–2.35 cu.yd. (0.53–1.8 m ³)
Outreach at 6.7 ft. height	3.9 ft. (1.2 m)
Max. lift height under dumped bucket	9.2 ft. (2.8 m)

Engine

3-cylinder, direct-injection diesel engine,
Max. output at 2,250 r.p.m. h.p. SAE 47
Max. torque at 1,350 r.p.m. ft.lb. SAE 123
(kpm SAE 17.0)

Transmission

12 in. single dry-plate clutch
6-speed gearbox with reverse gearbox

Speeds

	m.p.h.	k.p.h.
Forward and reverse		
I	2.1	3.4
II	3.2	5.1
III	4.7	7.6
IV	7.5	12.0
V	11.3	18.2
VI	17.2	27.6

Brakes

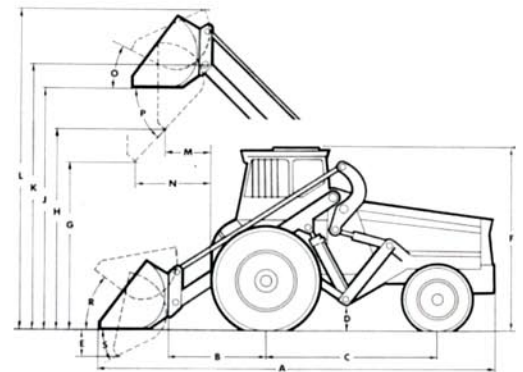
Disc brakes. Pedal-operated driving and steering brakes, parking brake.

Standard equipment

Cab. traffic indicators, hour meter, electric windscreen wipers, rubber mat, horn, twin working lights front and rear, tail lights, parking lights, hydraulic power steering, valve manifold with 3 control valves, oil piping set from third valve, control lever for third function, electric plug for trailer, heater, fresh-air ventilation, interior rearview mirror, fuel gauge.

Optional equipment

Implements, special tyre chain, valve manifold with 4 control valves, oil piping set from fourth valve and common control lever for third and fourth functions, industrial towing hook.
The manufacturers reserve the right to change specifications without notice.



Dimensions

A .. in. (mm)	198.0 (5,300)	K .. in. (mm)	137.8 (3,500)
B .. " "	53.2 (1,350)	L .. " "	161.8 (4,110)
C .. " "	82.7 (2,100)	M .. " "	35.4 (900)
D .. " "	13.4 (340)	N .. " "	47.3 (1,200)
E .. " "	25.6 (650)	O ..	32°
F .. " "	95.2 (2,420)	P ..	32°
G .. " "	80.7 (2,050)	R ..	38°
H .. " "	109.4 (2,780)	S ..	44°
J .. " "	128.0 (3,250)		



BOLINDER-MUNKTELL

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