

BM-VOLVO

LOADER LM 1254

POWERFUL LOADER WITH HIGH PAYLOAD – 3 1/4 yd³ BUCKET



The BM-VOLVO LM 1254 is a very powerful and rugged loader. Its high break-out power makes it eminently suitable for loading gravel, boulder clay and rock. The loader really shows its mettle in breaking loose material from hard banks. With standard equipment, the LM 1254 weighs 13.8 tons and its tipping load is 8.3 tons. The payload is 4.15 tons even on full turns. The powerful engine (200 hp) and high tractive force (max. 20 tons) make the LM 1254 a fast and stable loader for use where capacity requirements are high and for operations under the most difficult conditions. The combination of powerful engine and excellent traction provides maximum penetration power and rapid bucket filling!



Excellent bucket angle enables maximum bucket loads to be transported without spilling.



powerful – compact!
high payload – 4.15 tons!
rapid bucket filling!



LM 1254

The LM 1254 is equipped with dual circuit air brakes acting on all 4 wheels with two brake pedals. There are separate circuits for the front and the rear wheels for increased safety. The right-hand pedal actuates only the wheel brakes. Depressing the left-hand pedal will disengage the

drive and the entire engine output available then goes to the hydraulic pump, thereby increasing the speed of hydraulic movements.

The torque converter and Power-Shift gearbox are combined into a single unit.

The gearbox has 3 speeds forward and reverse. All gears can be engaged and disengaged while driving without declutching, which makes the work easy and convenient for the driver (full Power-Shift). The rear wheel drive can be disengaged as required.





The LM 1254 has 4-wheel drive and good weight distribution. This ensures maximum utilization of machine weight and engine output to propel the vehicle, excellent ability to traverse loose ground and fine steering properties.

The LM 1254 has rugged side-arms and double tilt cylinders providing great break-out power. The supports of side-arms, tilt and lift cylinders are all of fork type to reduce the bending stresses on the fulcrum pins.

The outreach in front of the wheels is 3'7" (1.10 m) at a dumping height of 9'9" (2.96 m). Max. dumping angle is 60°.

***great off-road performance
long outreach – 3'7" (1.10 m)
high dumping height –
9'9" (2.96 m)***

**13.8 tons
standard bucket
3¹/₄ yd³ (2.4 m³)**



A total rear oscillation of 22° gives the loader exceptionally good traction and stability even on very rough ground.

Its long outreach and high lift make the LM 1254 suitable also for loading timber.





LM 1254

MAIN FRAME

The frame is of all-welded construction. At the rear it takes the form of two rugged members carrying engine, transmission and axle. At the front it is designed to serve as bottom section of the driver's cab and bracket for the side-arms and tilt and lift cylinders. The frame will stand up to very heavy flexural stresses and enables the loader to operate under the toughest conditions.

SAFETY CAB

The driver's cab is constructed around a crash-proof guard frame and bolted to the loader frame. In front of the adjustable, comfortable driver's seat there is a clearly arranged instrument panel incorporating all instruments and controls required to ensure safe and reliable operation. The hydraulic power-assisted steering of the LM 1254 incorporates two steering cylinders mounted on the rear axle. This makes the loader easy to steer and safe to drive. The system is so designed that the loader can be steered even if the engine has stopped.



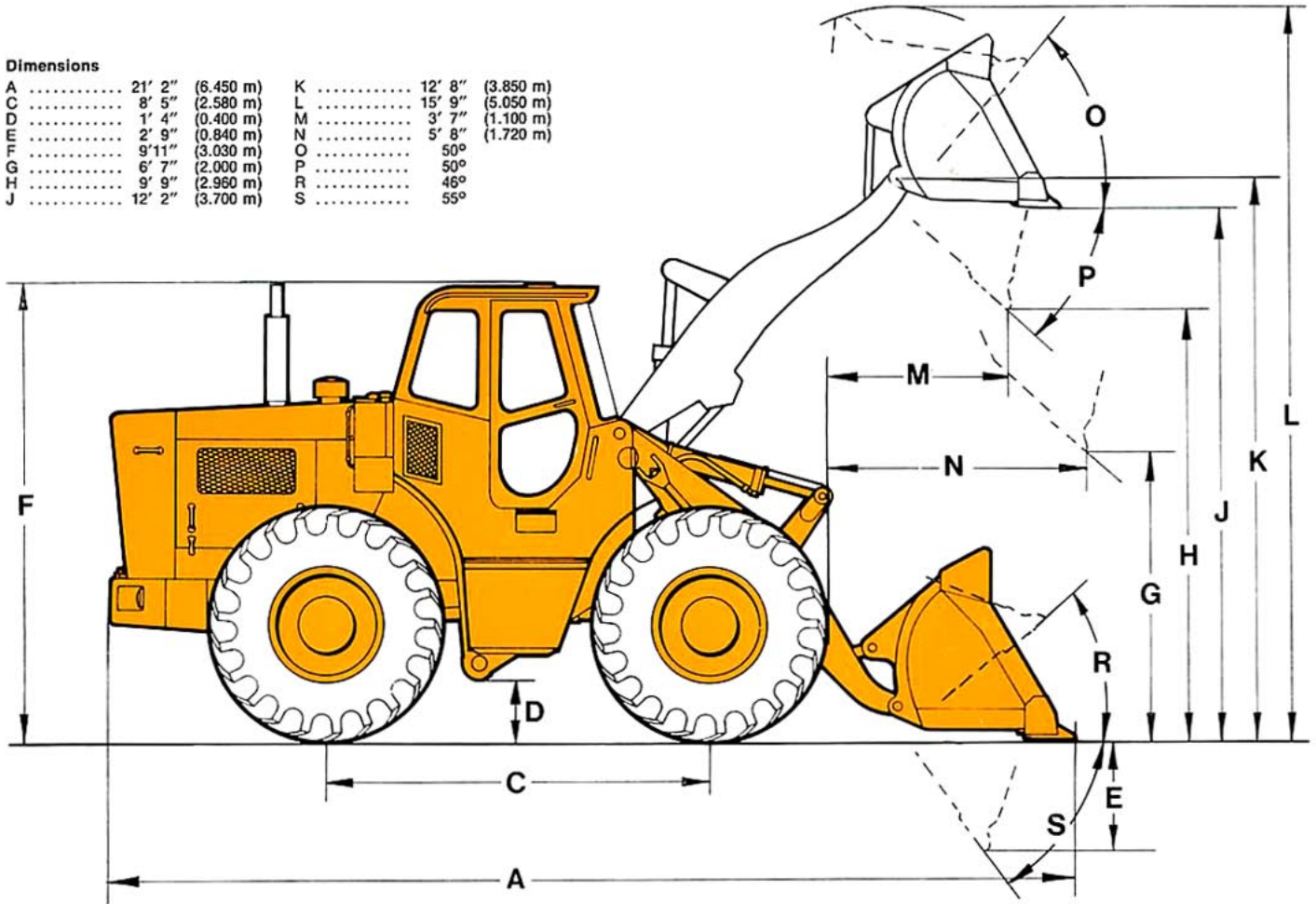
ENGINE

The LM 1254 is powered by a 6-cylinder, 4-stroke, direct-injection VOLVO D 100 B diesel engine rated at 200 hp SAE at 2 200 rev/min. It is fitted with a separately mounted oil cooler and two lubricating oil pumps which permit a 45° engine inclination in all directions with reliable lubrication maintained.

Rugged chassis!
Crash-proof cab!
Powerful engine!

Dimensions

A	21' 2"	(6.450 m)	K	12' 8"	(3.850 m)
C	8' 5"	(2.580 m)	L	15' 9"	(5.050 m)
D	1' 4"	(0.400 m)	M	3' 7"	(1.100 m)
E	2' 9"	(0.840 m)	N	5' 8"	(1.720 m)
F	9' 11"	(3.030 m)	O	50°	
G	6' 7"	(2.000 m)	P	50°	
H	9' 9"	(2.960 m)	R	46°	
J	12' 2"	(3.700 m)	S	55°	



SPECIFICATION LM 1254

General data

Total weight with bucket ..	30,400 lb (13,800 kg)
Wheel base	8'5" (2.58 m)
Total width	8'5" (2.58 m)
Turning radius	25 ft (7.6 m)
Tyres	18.00—25/16 SGEM

Engine

6-cylinder diesel engine ..	VOLVO D 100 B
Max. rating at 2 200 rev/min	
SAE	200 hp
Max. torque at 1 400 rev/min,	
SAE	508.3 lb ft (69.7 kpf m)

Transmission

Torque converter and hydraulically operated planetary gearbox

Speed range

I forward and reverse ..	0—3 miles/h (0—5 km/h)
II forward and reverse ..	0—8 miles/h (0—13 km/h)
III forward and reverse ..	0—18 1/2 miles/h (0—30 km/h)

Loading unit

Tipping load as per SAE ..	18,300 lb (8,300 kg)
Payload	9,150 lb (4,150 kg)
Carrying capacity	12,100 lb (5,500 kg)
Bucket volume, standard ..	3 1/4 yd ³ (2.4 m ³)
Outreach at 6'7" (2 m)	
height	5'8" (1.72 m)
Load-over height	9'9" (2.96 m)

Hydraulics

Pump capacity	7 Imp-gal/min (320 l/min)
Working pressure	2,120 lb/in ² (140 kp/cm ²)

Brakes

Foot brake: dual circuit air brake acting on all four wheels. Hand brake: mechanical brake acting on the gearbox output shaft.

Standard equipment

Impact-tested safety cab. Rubber mat in cab. Rearview mirror in cab. Hour meter. Air-powered windscreen wipers front and rear. Working lights front. Working lights rear. Head-lamps. Tail lights combined with brake lights and direction indicators. Cab lighting. Cigarette lighter. Ashtray. Horn. Heater. Gravel bucket. Set of tools. Sun visor. Compartment for manuals. 3rd hydraulic valve.

Optional equipment

Piping and lever for 3rd hydraulic function. Flashing beacon. Mileage-recorder and speedometer. Different kinds of attachments. Hydraulic or mechanical attachment bracket. Seat belt. Trailer socket.

Specification and design are subject to change without prior notice



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Powerful — Compact!

The BM-VOLVO LM 1254 is a rugged and powerful loader designed for arduous loading operations. Weight 13.8 tons.

High payload!

With 9 150 pounds payload at full turns the LM 1254 is a loader with a very high capacity.

Quick scoop filling!

The LM 1254 has strong lift arms and double tilt cylinders providing above average break-out force.

Great off-road performance!

The LM 1254 has 4-wheel drive and good weight distribution ensuring excellent performance and traction on loose ground.

Long outreach — high dumping height!

The LM 1254 has a long outreach of 3'7" (1.10 m) and a dumping height of 9'9" (2.96 m) which provides high capacity and reliability when loading on-to haulage vehicles.

Rugged chassis — crash-proof cab!

The comfortable safety cab with 360° visibility features an adjustable driver's seat and carefully arranged controls.

Powerful engine!

The LM 1254 is powered by a 6-cylinder, 4-stroke Volvo diesel engine producing all of 200 hp which guarantees an ample supply of power for every type of job.

Maintenance and service.

Simple daily maintenance. Service and spare parts are readily available from distributors.



BOLINDER-MUNKTELL

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