

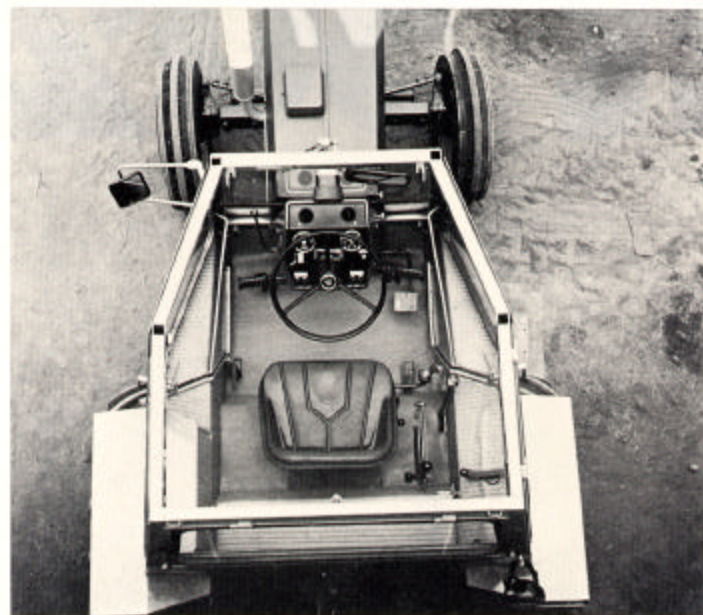
Valmet 502



The New Valmet Tractor

- 54 hp
- Synchronized gearbox
- Multi-disc brakes
- Low noise level safety cabin

Valmet 502



Engine

Four-stroke direct injection diesel

Model	Valmet 310B
Output	54 hp (SAE) at 2300 rpm
Torque	17.5 kpm (DIN) at 1350 rpm
Number of cylinders	3
Bore	100 mm
Stroke	114 mm
Displacement	2.69 litres

Transmission

Synchronized.

Speeds in different gears	800 rpm	1720 rpm	2300 rpm
	kmph	kmph	kmph
1st gear L 1	1.2	2.6	3.5
2nd gear L 2	2.0	4.2	5.6
3rd gear H 1	3.0	6.6	8.8
4th gear L 3	4.1	8.8	11.8
5th gear H 2	5.0	10.7	14.4
6th gear H 3	10.4	22.4	30.0
1st reverse LR	1.7	3.7	4.9
2nd reverse HR	4.4	9.4	12.6

Tractors having an independent P. T. O. (dual clutch) can be supplied with a mechanical crawling gear. The speeds obtainable with the mechanical crawling gear on 11-32 or 13-26 tyres are:

Crawling gearlever	Group gearlever	Gear-lever	Engine revolutions	
			1720 rpm	2300 rpm
			kmph	kmph
EL	L	1	0.8	1.0
EL	L	2	1.3	1.7
EL	H	1	2.0	2.6
EL	L	R	1.1	1.5

Fuel system

Fuel	Gas oil
Fuel tank capacity	65 litres

Lubrication

Lubrication pressure is obtained from a gear pump. The whole flow is filtered.

Crankcase oil capacity	6.4 litres
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Cooling system

Radiator, fan and thermostat

Centrifugal pump for water circulation, radiator by-pass

Shutter

Cooling medium:

- in summer	Water or anti-freeze
- in winter	Anti-freeze

Capacity	10 litres
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Electrical system

Voltage	12 V
Generator	260 W
Starter	4 hp
Battery	140 Ah

Hydraulic system

Hydraulic lift functions: position control, draft control, pressure control, response control

Pump capacity	42 litres/min at 2300 rpm
Lifting power at the end of draft links	1500 kp
Working pressure	175 kp/sq. cm
Lift independent both of drive clutch and P. T. O. clutch	
Hydraulically operated hitch.	

Connection possibility of external working cylinders.

Three point linkage according to standards.

Oil pump capacity 20 litres

Power take-off and belt pulley

- P. T. O. rpm (engine at 1720 rpm)	540 rpm
- P. T. O. shaft diameter	1 3/8"
- pulley	
width	165 mm
diameter	225 mm
rpm (engine at 1720 rpm)	1100 rpm
belt speed	12.96 mps
recommended tresher pulley diameter	220 mm

Clutch

Dry, single plate, diameter 280 mm (11")
or dual clutch system 2 x 280 mm (11")

Brakes

On rear wheels independently or together operating mechanical 4-surface disc brakes.

Parking brake: On driving brakes mechanically acting hand brake.

Tyres

Front:

- standard	7.50-16/6 ply
- optional	10-16/6 ply

Rear:

- standard	14.9/13-28/6 ply
- optional	12.4/11-32/6 ply

Main dimensions

Overall length	3434 mm
Overall width (narrowest track)	1892 mm
Overall height	2500 mm
Wheel base	2112 mm
Track adjustment:	
- front	1400-1500-1600-1700 mm
- rear (13-28 tyres)	1515-1650-1800-1915 mm
- rear (11-32 tyres)	1420-1530-1630-1745- 1815-1930 mm
Ground clearance	500 mm
Turning radius	3500 mm
Weight	2495 kg

Standard equipment

Safety cabin, Heater, Fresh air fan, Cooling medium temperature, running hour, and fuel gauges, Tachometer, Turning indicator, oil pressure, generator, and high beam warning, lights, Work light, Windshield wiper, Parking lights, Low beam, High beam, Differential lock, Hydraulically operated hitch, Power steering, Disc brakes, Mechanical parking brake, Foot and hand throttle, Seat turning and inclining device, Thermostart-cold climate starting equipment.

Optional equipment

Rear wheel weights, Front wheel weights, Front end weights, Belt pulley, Interior mirror, Radio receiver, Windshield washer, Dual clutch, Extra valves for external working cylinders, Ash tray.

It is the policy of Valmet Oy continuously to develop and improve its products. The right to all changes without notice is reserved.

VALMET

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