

# VALMET

# 68



# VALMET 68 TRACTOR

## economy and power for y

Due to its sturdy construction, excellent trustworthiness, and low maintenance costs, the engine of the **Valmet 68** tractor meets the requirements for any hard duties.

The **Valmet 68** tractor is equipped with a synchromesh gearbox with 6 speeds forward and 2 reverse.

The fuel tank has a filling capacity of 80 liters that provides the **Valmet 68** tractor with an autonomy no other tractor can surpass in its category. The **Valmet 68** tractor was projected to work from dawn to dusk. Its fuel system was designed to make tractor operation easier.

The **Valmet 68** tractor can be equipped with a single or double (optional) clutch system.

The front and rear axles make the tractor firm and secure during operation. There are two options for the steering equipment: the hydraulic-hydrostatic and the mechanical systems. The disc type brakes in the rear wheels have easy access for maintenance.

The **Valmet 68** tractor can be equipped with tires of various dimensions according to its use.

The hydraulic lifting system is driven directly by the engine, independent from the transmission. The 3-point hitch has a high lifting capacity.

The hydraulic system has an independent reservoir, and a suction filter ensures safety and durability to its components.

The electrical system in the **Valmet 68** tractor is of 12 volts, with negative to chassis. A single battery is easily accessible and isolated in its case from heat generated by the engine.

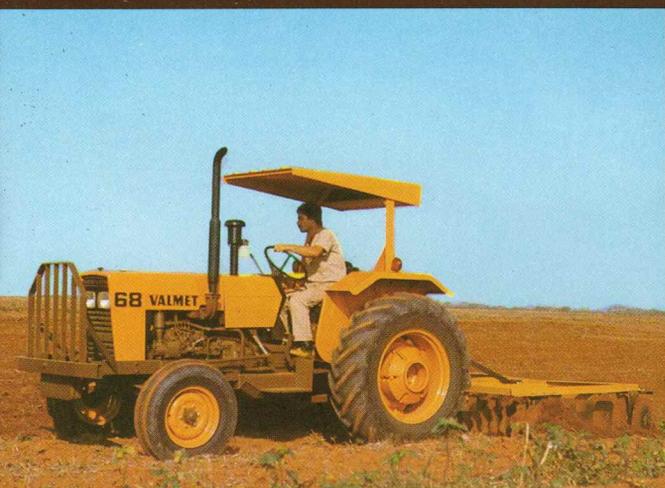
The instrument panel includes a mechanically driven tractometer, a temperature gauge, a fuel gauge, and warning lights for oil pressure, high headlights, parking brake, battery charge, and P.T.O. clutch, when equipped with double clutch.

Whenever your **Valmet 68** tractor needs servicing, you can count on your Valmet Dealer. All service is promptly carried out by Factory trained personnel, and with original spare parts approved by the Valmet Quality Control.



The **Valmet 68** tractor works with perfection in any size of farm.

# our fields



In your Valmet 68 tractor the weight-power ratio can be converted into better operating efficiency.



The mask can be easily removed for radiator cleaning.



Every tractor model has a double air filtering system: oil-bath and a dry paper element.



The Valmet 68: high lifting capacity, excellent firmness in any task.

# VALMET 68TRACTOR

ENGINE	
Engine	MWM D229-3TV
Type	Direct injection, diesel engine
Cylinders	3 vertical cylinders in line, wet replaceable cylinder liners
Cylinder bore	102 mm
Stroke	120 mm
Engine displacement	2942 cm <sup>3</sup>
Compression ratio	16,6:1
Max. engine power at 2300 rpm	43 kW (59 hp)
Max. Torque at 1400 rpm	201 Nm (20,5 mkgf)

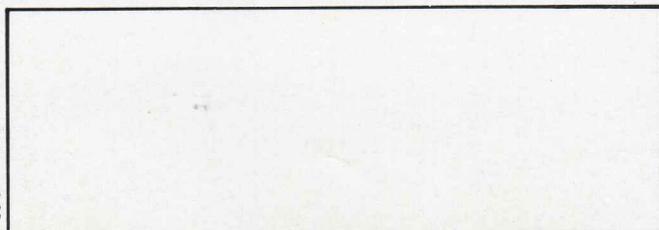
TIRES	
Front	7.50-16 F2 7.50-18 F2 7.50-20 F2
Rear	14.9/13-28 R1 14.9/13-28 R2 16.9/14-30 R1 13.6/12-38 R1

PRINCIPAL DIMENSIONS	
Overall length	340 cm
Height at top of steering wheel	169 cm
Total width (with minimum tread)	181 cm
Wheel base	203 cm
Ground clearance	39 cm
Front wheel tread (adjustable)	140-150-160-170-180 cm
Rear wheel tread (adjustable) with tires 14.9/13-28	143-153-163-174-184-194 cm
Turning radius (without brakes)	385 cm
Turning radius (with brakes on)	345 cm

WEIGHTS	
Operating weight (without ballast or accessories)	2210 kg
Operating weight (with total ballast and accessories)	2900 kg
Shipping weight (without ballast or accessories)	2070 kg

CAPACITIES	
Fuel tank	80 liters
Gearbox/differential	15 liters
Engine oil sump	7 liters
Cooling system	11,5 liters
Final drive (each side)	6 liters
Hydraulic system	17 liters
Primary air filter oil cup	1 liter

Specifications subject to change without previous notice.



## INJECTION SYSTEM

Fuel filtering with precleaner and double filter of 1/2 liter. Piston type BOSH injection pump, with centrifugal RSV governor. BOSH injection nozzles.

## COOLING SYSTEM

Water-cooled, pressurized, with radiator, water pump, thermostat and a six-blade fan.

## ELECTRICAL SYSTEM

12 volts, negative to chassis. Battery of 12 volts, with a capacity of 90 Ah. BOSH alternator and voltage regulator. BOSH 1,8 hp starter.

## AIR FILTERING SYSTEM

Primary filter: oil-bath air filter with cyclone type sediment precleaner and dust cup. Secondary filter: dry, with paper element and restriction indicator.

## CLUTCH Single

Dry, single disc, diameter 280mm.

## Double (optional)

Dry, two discs, diameters 295/280mm, spring-loaded diaphragm

## TRANSMISSION Gearbox

Constant synchromesh, 6 forward speeds and 2 reverse. synchronized.

## Differential

Crown and pinion with 6:37 reduction, 2 pinions and 2 planetaries with mechanically operated differential lock.

## FINAL DRIVE

Parallel gear reductions at extremities of rear axle, reduction ratio 10:43.

## FRONT AXLE

Directional with a rectangular tubular construction, and telescopic tread adjustment.

## HYDRAULIC SYSTEM

Gear-driven pump, directly actioned by engine, supply up to 25 l/min at 170 bar (170 kgf/cm<sup>2</sup>). Position and traction controls. Manual control for lowering speed of implement.

## 3-POINT HITCH

Category II. Adjustable stabilizers. Lifting capacity 15000 N (1500 kgf) according to Standard ISO 730.

## P.T.O.

Standard 35mm (1 3/8") 6 spline shaft, 540 rpm at 1720 rpm of engine. Totally independent when equipped with double clutch.

## BRAKES

Dry disc type. Independent mechanical service brakes. Mechanical parking brake.

## STEERING SYSTEM

Worm type steering gear. Optional hydraulic-hydrostatic steering.

## INSTRUMENTS

Mechanically driven tractometer, including tachometer and running time indicator. Electrical fuel gauge. Electrical temperature gauge. Warning lamps for engine oil pressure, battery charge, high headlights, parking brake, and P.T.O. clutch (tractor equipped with double clutch).

## DRAWBAR

Drawbar with lateral and longitudinal adjustments. Support for U-hitch coupling (optional).

# VALMET

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