

Valmet 840.3 / Technical data

Weight and dimensions

Weight (approx) 6WD	15.3 tons (13,900 kg)
Weight (approx) 8WD	17.0 tons (15,400 kg)
Permitted load (max)	13.2 tons (12,000 kg)
Load area	44.1 sq.ft. (4.1 m ²)
With grid for 4'10"	
(3-meter) solid mass	49.5 sq.ft. (4.6 m ²)
Standard width 6WD	8' 7" (2,620 mm)
8WD	8' 7" (2,620 mm)

Engine

Sisu Diesel 66 ETA. 6-cylinder turbo diesel with electronic fuel injection.
 Power 170 hp (125 kW DIN) at 2,000 rpm.
 Torque 479 ft - lb (650 Nm) at 1,400 rpm.
 Fuel tank 42.3 gal (160 l).

Transmission

Hydrostatic transmission controlled by MaxiForwarder. Disengagable carriage drive. Differential locks (front and rear).
 Max speed: High gear 14.6 mph (23.5 km/h)
 Low gear 5.3 mph (8.5 km/h)
 Pulling power, max 33,721 lbf (150 kN)

Axles and wheels

Front axle 6WD: rigid axle with hub gearing
 Bogie 8WD/6WD: geared bogie, "hi clearance" type with portal gears in the wheel rims
 Wheels:
 6WD Front axle 600/65x34
 Rear 600/55x26.5
 8WD Front/rear 600/55x26.5

Braking system

Type Dual circuit, fully hydraulic multi-disc brakes acting on all wheels
 Driving brake 4 multi-disc brakes in oil bath acting on the front and rear axles
 Working brake Same as driving brake
 Parking brake Spring-action brake with electro-hydraulic control. Also acts as an emergency brake

Cab

Spacious with excellent visibility through vertically extremely low-set windows. Comfortable and reflection-free interior. Thermal and noise insulation. Climate control. Safety-approved with integral combined heating and cooling unit. Microfilter air intake. Sideways tilting.

Crane and grapple

Crane Valmet CRF 8.1
 Lifting torque (gross) 78,255 ft - lb (106.1 kNm)
 Slewing torque (gross) 21,168 ft - lb (28.7 kNm)
 Grapple Valmet G28 or G36

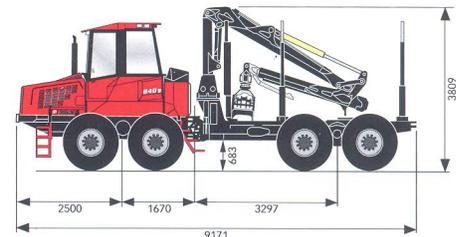
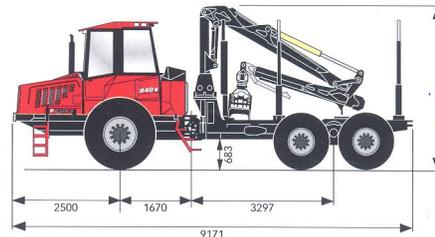
Control and information system

MaxiForwarder is a computerized control system that allows you to control all machine functions with a user-friendly PC. The system enables the adjustment of crane, transmission, and diesel engine function, as well as other machine settings. The system also compiles operating data and includes troubleshooting and alarm systems.

Optional equipment

Standard and optional equipment varies from market to market and from country to country. Your sales representative has a current list of what is included.

Technical data/dimensions vary depending on optional equipment selected. We retain the right to change the specifications or designs without prior notice. Photos, diagrams, and sketches do not always show the standard model machine. Note: Only applies to one of many dimension combinations.



Highlights

Cab with the best possible operator comfort and lower profile panels to provide great visibility in all directions

Effective transmission optimized for the engine to produce the right power level without undue strain

Longer reach and increased lifting torque with the new crane, the CRF 8.1

Centralized lubrication points

Sunshades integrated with the panels to provide even better visibility

Powerful working hydraulics and improved MaxiForwarder software for more refined crane control

Increased storage spaces with improved planning to improve cab comfort and safety

Higher productivity and faster crane speed with Valmet ProTec

MaxiForwarder enables you to easily control the machine while keeping track of production

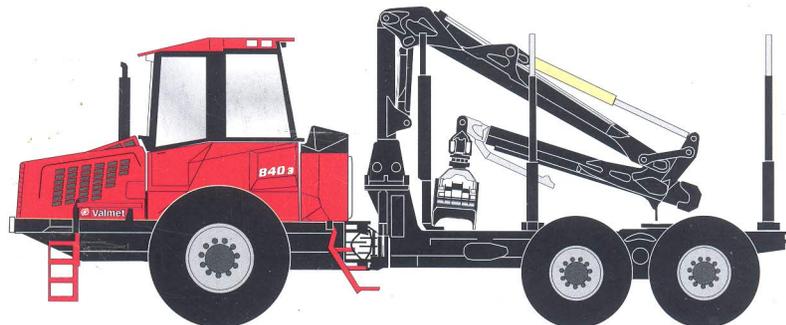
13.2-ton load capacity and 44.1 sq.ft. (4.1 m²) bunk. Alternative bunk spaces for different sorts/markets

New and improved control panel layout to provide easier access to frequently used buttons

LoadFlex for faster loading and unloading, higher transport speed, and optimized load capacity

Extremely powerful, responsive, and economic engine with impressive torque

16.5 tons pulling power. Full speed uphill!



Valmet's unique articulated design with the steering link in the forward frame and the articulation joint in the rear frame provides superior stability

Limit dampening in the telescopic boom ensures smoother and more comfortable crane control



Komatsu Forest
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