



OECD approval number

1 687

OECD approval date

Restricted Code

21/10/1997

Make

Valmet

Model

8450-4

Type

4 WD

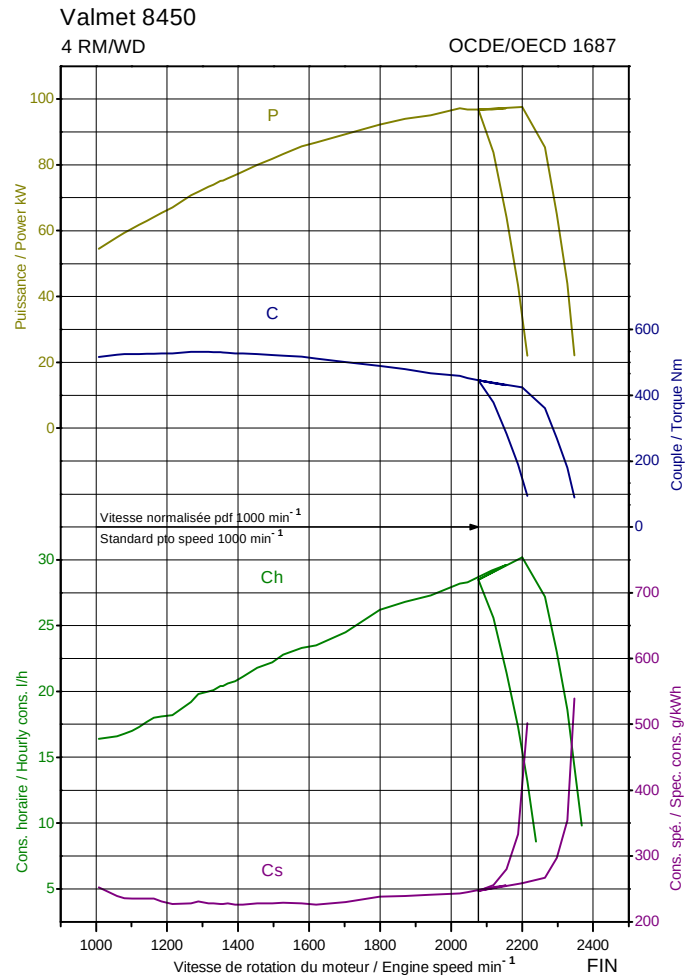
36 speeds - 40 km/h

Manufacturer

Valtra Inc

Testing station:

MTT/Vakola, Vihti, Finland



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Valmet	620 DW
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6600 cm ³	Liquid
<i>Gear box</i>		Mechanical synchronized
<i>Number of forward and reverse speeds</i>	36	36
<i>Speed at rated engine speed</i>	from 0.62	to 42.00 km/h
<u>Standard Power take-off speed</u>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	634 min ⁻¹	1058 min ⁻¹
<i>Diameter of the shaft</i>	34.8 mm	34.8 mm
<i>Number of splines</i>	6	6

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	97.6 kW	2200 min ⁻¹	1059 min ⁻¹
<i>Hourly and specific consumption</i>		30.20 l/h	259 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	97.6 kW	2200 min ⁻¹	1059 min ⁻¹
<i>Hourly and specific consumption</i>		30.20 l/h	259 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	96.8 kW	2077 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		28.50 l/h	247 g/kWh

Torque rise

		25.5 %	
<u>Maximum torque, Engine speed corresponding</u>	532.0 Nm	1288 min ⁻¹	

Drawbar Test*Front tyres, Rear tyres*

480/70 R 28 580/70 R 38

Test with tractorunballasted ballasted*Total Mass*

5310 kg

Maximum drawbar pull

48.1 kN

at speed of

1.32 km/h

*Not required**Maximum power*

82.5 kW

*in**at speed of*

11.02 km/h

*Code 2***Hydraulic Performance and Power Lift Test***Hydraulic system*

Opened centre

At maximum hydraulic power*Flow rate, Pressure, Power*

69.8 l/min

16.0 MPa

18.6 kW

Maximum lifting force*at hitch points, at frame*

64.1 kN

47.3 kN