



OECD approval number

2/1 963

Restricted Code

OECD approval date

09/07/2001

Make

Valtra

Model

8400-4

Type

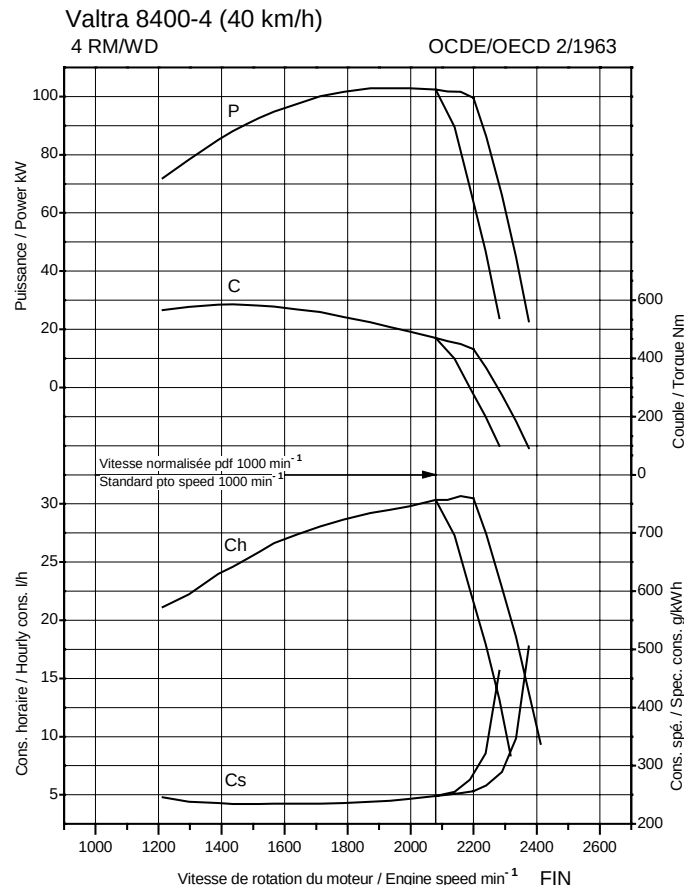
4 WD

Manufacturer

Valtra Inc.

Testing station:

MTT/Vakola, Vihti, Finland



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Sisudiesel	620.128 DS
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6596 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 0.59 to 40.10 km/h
<u>Standard Power take-off speed</u>		<u>540 min⁻¹</u> <u>1000 min⁻¹</u>
<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>	102.9 kW	1934 min ⁻¹	930 min ⁻¹
<i>Hourly and specific consumption</i>		29.49 l/h	240 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	99.6 kW	2200 min ⁻¹	1058 min ⁻¹
<i>Hourly and specific consumption</i>		30.47 l/h	256 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	102.8 kW	2080 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		30.36 l/h	248 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		586.0 Nm	1435 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	16.9 - 28	20.8 - 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	5040 kg	
<i>Maximum drawbar pull</i>	42.4 kN	Not
<i>at speed of</i>	6.63 km/h	required
<i>Maximum power</i>	86.0 kW	in
<i>at speed of</i>	11.22 km/h	Code 2

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>		Opened centre
<i>Maximum lifting force at hitch points, at frame</i>	60.4 kN	45.1 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	67.8 l/min	17.5 MPa 19.8 kW