



OECD approval number

2/2 389

Restricted Code

20/12/2007

OECD approval date

Make

Massey Ferguson

Model

6497

Type

4 WD

Y21E23GK213A - 40 km/h

Manufacturer

AGCO S.A.

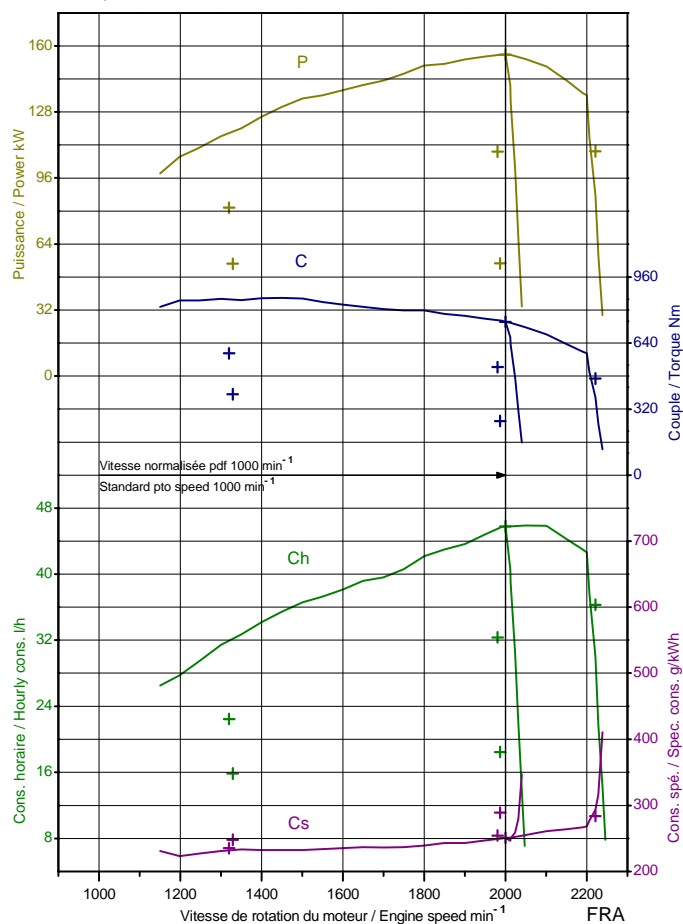
Testing station:

Cemagref, Antony, France

Massey Ferguson 6497

4 RMWD

OCDE/OECD 2/2389



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Sisu Diesel	74.398 CTA - 4V
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	7365 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>		24 24
<i>Speed at rated engine speed</i>		from 1.59 to 44.84 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>		594 min ⁻¹ 1100 min ⁻¹
<i>Diameter of the shaft</i>	34.9 mm	34.9 mm
<i>Number of splines</i>	6	21

Power take-off Test

<u>Two hours test at maximum power</u>			
<i>Power, Engine and Power take-off speed</i>	155.8 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		45.81 l/h	251 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	136.0 kW	2200 min ⁻¹	1100 min ⁻¹
<i>Hourly and specific consumption</i>		42.65 l/h	268 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	155.8 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		45.81 l/h	251 g/kWh
<u>Torque rise</u>			45.6 %
<u>Maximum torque, Engine speed corresponding</u>		859.4 Nm	1450 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>	16.9 R 30	520/85 R 42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	7925 kg	10775 kg
<i>Maximum drawbar pull</i>	67.8 kN	90.4 kN
<i>at speed of</i>	1.37 km/h	1.71 km/h
<i>Maximum power</i>	134.4 kW	139.2 kW
<i>at speed of</i>	9.96 km/h	10.44 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	96.8 l/min	13.8 MPa	22.3 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	99.9 l/min	15.6 MPa	26.0 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		66.8 kN	64.7 kN

