



OECD approval number

2/1 858

OECD approval date

Restricted Code

21/10/1999

Make

Massey Ferguson

Model

6235

Type

2 WD

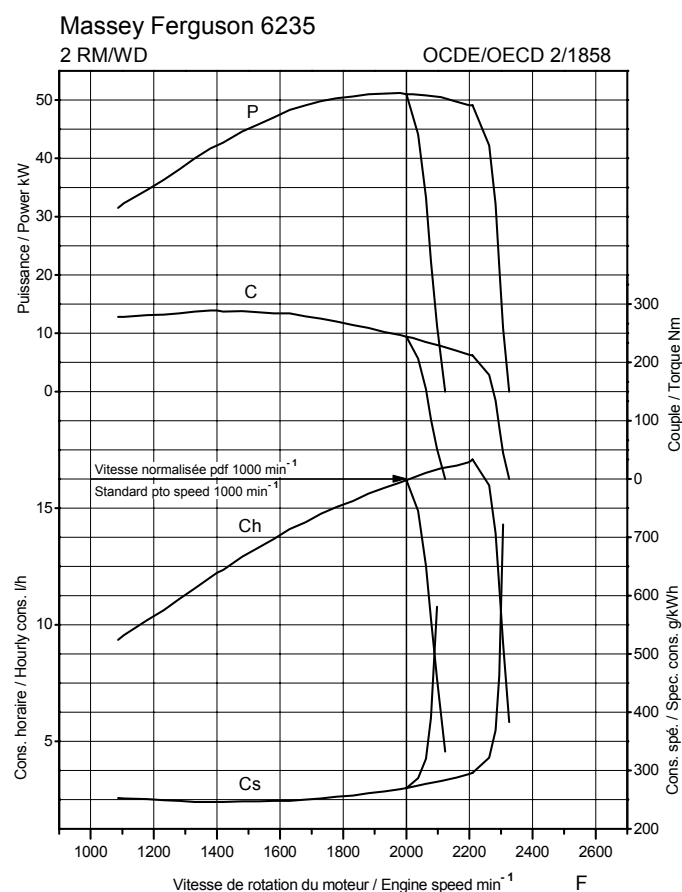
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Manufacturer

Agco S.A.

Testing station:

Cemagref, Antony, France



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	1004-40T
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	3990 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	32	32
<i>Speed at rated engine speed</i>	from 2.05 to 37.635 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>	601 min ⁻¹	1100 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	51.2 kW	1980 min ⁻¹	990 min ⁻¹
<i>Hourly and specific consumption</i>		16.10 l/h	268 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	49.1 kW	2210 min ⁻¹	1105 min ⁻¹
<i>Hourly and specific consumption</i>		17.09 l/h	296 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	51.0 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		16.20 l/h	270 g/kWh

Torque rise

		36.1 %	
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<u>Maximum torque, Engine speed corresponding</u>	288.6 Nm	1400 min ⁻¹	
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Drawbar Test

<i>Front tyres, Rear tyres</i>	10.00 - 16	16.9 R 34
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3820 kg	
<i>Maximum drawbar pull</i>	32.2 kN	Not
<i>at speed of</i>	1.81 km/h	required
<i>Maximum power</i>	43.7 kW	in
<i>at speed of</i>	6.26 km/h	Code 2

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	82.7 l/min	16.8 MPa	23.2 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		36.3 kN	29.6 kN

