



OECD approval number

1 712/1

Restricted Code

OECD approval date

01/12/1997

Make

Massey Ferguson

Model

8120

Type

2 WD

H115215A611A - 32 speeds - 40 km/h

Manufacturer

Agco S.A.

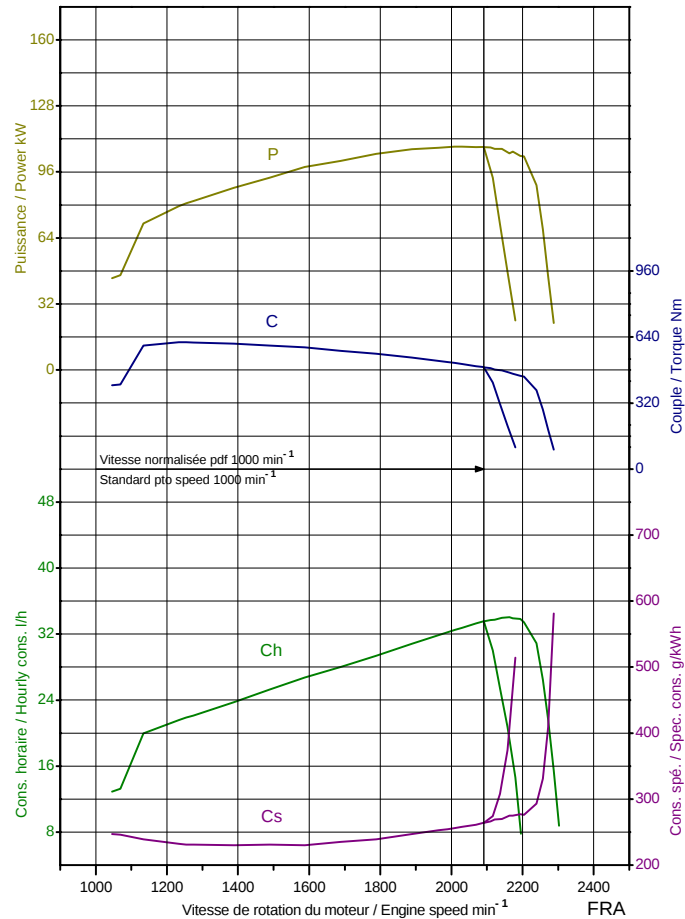
Testing station:

Cemagref, Antony, France

Massey Ferguson 8120

2 RM/WD

OCDE/OECD 1712/1



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	YK31312-1930/2200	
<i>Type, Supercharging</i>	Direct injection	Yes	
<i>Cylinders, Disposition</i>	6	vertical in line	
<i>Capacity, Cooling</i>	5985 cm ³	Liquid	
<i>Gear box</i>		Mechanical synchronized	
<i>Number of forward and reverse speeds</i>		32	32
<i>Speed at rated engine speed</i>		from 2.13	to 39.44 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>		596 min ⁻¹	1052 min ⁻¹
<i>Diameter of the shaft</i>		34.9 mm	34.9 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>	108.2 kW	2009 min ⁻¹	961 min ⁻¹
<i>Hourly and specific consumption</i>		32.47 l/h	256 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	103.5 kW	2204 min ⁻¹	1054 min ⁻¹
<i>Hourly and specific consumption</i>		33.45 l/h	276 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	108.0 kW	2091 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		33.52 l/h	264 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		614.3 Nm	1254 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>		11.00 - 16	20.8 R 42
<u>Test with tractor</u>		<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>		5390 kg	
<i>Maximum drawbar pull</i>		44.8 kN	Not
<i>at speed of</i>		1.87 km/h	required
<i>Maximum power</i>		92.8 kW	in
<i>at speed of</i>		11.20 km/h	Code 2

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>		Opened centre	
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	111.8 l/min	15.0 MPa	28.0 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		54.5 kN	49.2 kN

