



OECD approval number

2/2 412

OECD approval date

10/06/2008

Make

Agco

Model

RT 120A

Type

4 WD

N25B23GS213H - 40 km/h

Manufacturer:

AGCO S.A.

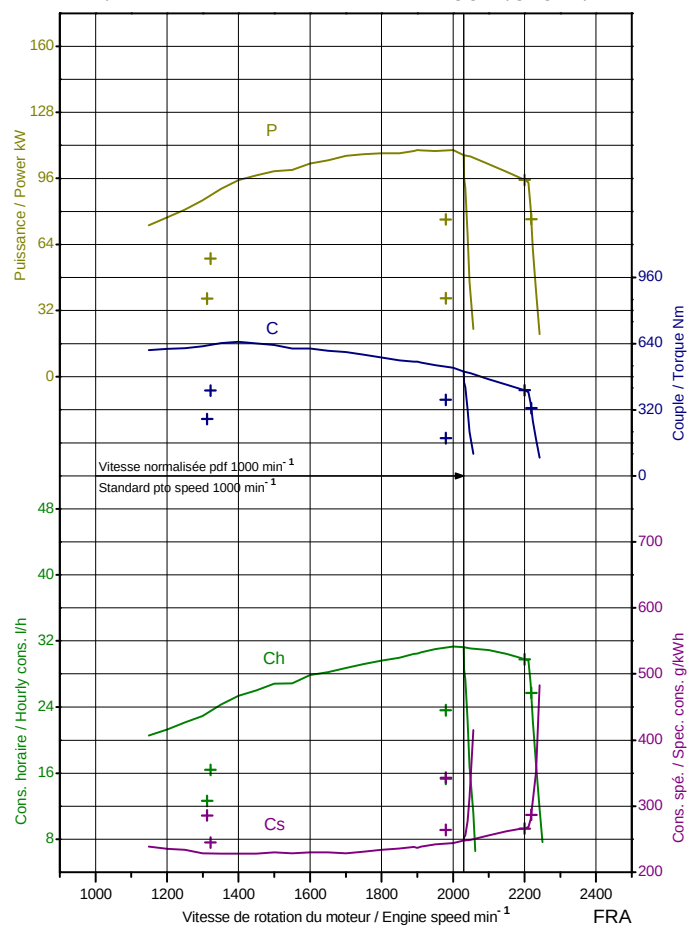
Testing station:

Cemagref, Antony, France

Agco RT 120A

4 RM/WD

OCDE/OECD 2/2412



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Sisu Diesel	66.430 CTA - 4V
<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>	24	24
<i>Speed at rated engine speed</i>	from 1.62	to 40.00 km/h
<i>Standard Power take-off speed</i>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	601 min ⁻¹	1084 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>	109.8 kW	1900 min ⁻¹	936 min ⁻¹
<i>Hourly and specific consumption</i>		30.49 l/h	237 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	95.3 kW	2200 min ⁻¹	1084 min ⁻¹
<i>Hourly and specific consumption</i>		29.76 l/h	266 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	107.3 kW	2030 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		31.22 l/h	248 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	648.5 Nm	1400 min ⁻¹	56.8 %
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Drawbar Test

<i>Front tyres, Rear tyres</i>	16.9 R 28	480/80 R 42
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6680 kg	
<i>Maximum drawbar pull</i>	60.0 kN	Not
<i>at speed of</i>	1.43 km/h	required
<i>Maximum power</i>	97.6 kW	
<i>at speed of</i>	10.50 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>		Closed centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	83.3 l/min	14.9 MPa	20.7 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	102.8 l/min	15.6 MPa	26.7 kW

Maximum lifting force

<i>at the hitch points, at frame</i>	47.1 kN	39.2 kN
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