



OECD approval number

2/2 235

Restricted Code

OECD approval date

23/03/2005

Make

AGCO

Model

RT 120

Type

4 WD

G31 - CVT - 40 km/h

Manufacturer

AGCO S.A.

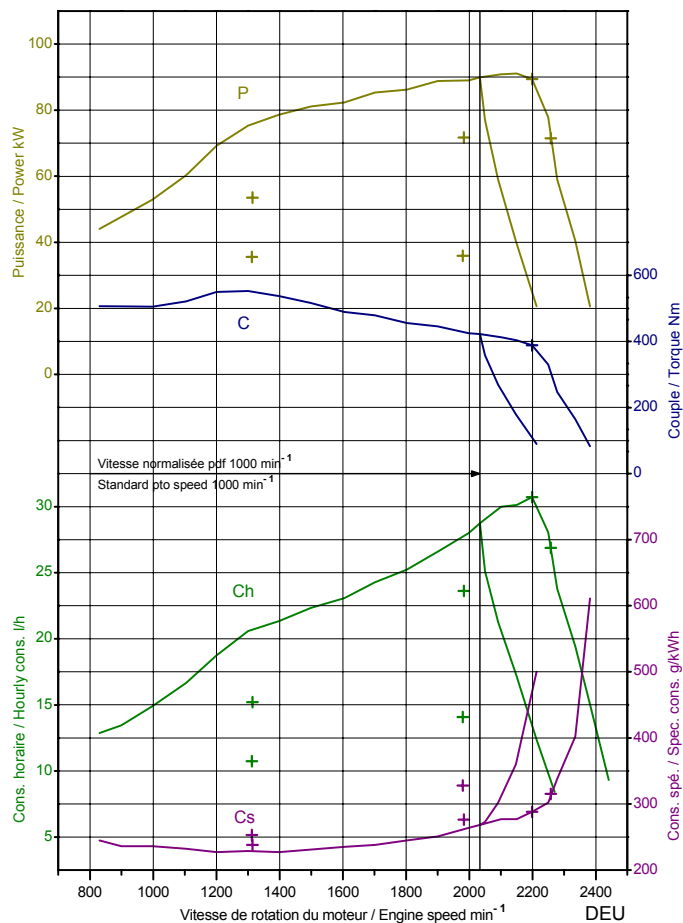
Testing station:

DLG, Gross-Umstadt, Germany

AGCO RT 120

4 RM/WD

OCDE/OECD 2/2235



**Engine, Transmission, Power take-off Specifications**

<i>Make, Model</i>	Cummins	6BTA6.7MECH
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6830 cm <sup>3</sup>	Liquid
<i>Gear box</i>		Hydrostatic and mechanical
<i>Number of forward and reverse speeds</i>		Not significant
<i>Speed at rated engine speed</i>		from 0.00 to 40.00 km/h
<u>Standard Power take-off speed</u>		<u>540 min<sup>-1</sup></u> <u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>		576 min <sup>-1</sup> 1083 min <sup>-1</sup>
<i>Diameter of the shaft</i>		35 mm      35 mm
<i>Number of splines</i>		6      21

**Power take-off Test**Two hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	91.1 kW	2150 min <sup>-1</sup>	1057 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		30.13 l/h	277 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	89.4 kW	2199 min <sup>-1</sup>	1081 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		30.72 l/h	288 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	89.9 kW	2034 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		28.76 l/h	268 g/kWh

Torque rise

		42.5 %
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<u>Maximum torque, Engine speed corresponding</u>	553.0 Nm	1300 min <sup>-1</sup>
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**Drawbar Test***Front tyres, Rear tyres*

	14.9 R 28	18.4 R 38
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<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
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*Total Mass*

	6830 kg	
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<i>Maximum drawbar pull</i>	63.3 kN	Not
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<i>at speed of</i>	3.65 km/h	required
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<i>Maximum power</i>	75.7 kW	in
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<i>at speed of</i>	7.78 km/h	Code 2
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**Hydraulic Performance and Power Lift Test***Hydraulic system*

		Closed centre
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<u>At maximum hydraulic power</u>		
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<i>Flow rate, Pressure, Power</i>	107.9 l/min	16.4 MPa	29.6 kW
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<u>Maximum lifting force</u>		
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<i>at hitch points, at frame</i>		61.3 kN	48.6 kN
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