



OECD approval number

2/1 968

OECD approval date

Restricted Code

03/10/2001

Make

Renault

Model

Ceres 325

Type

4 WD

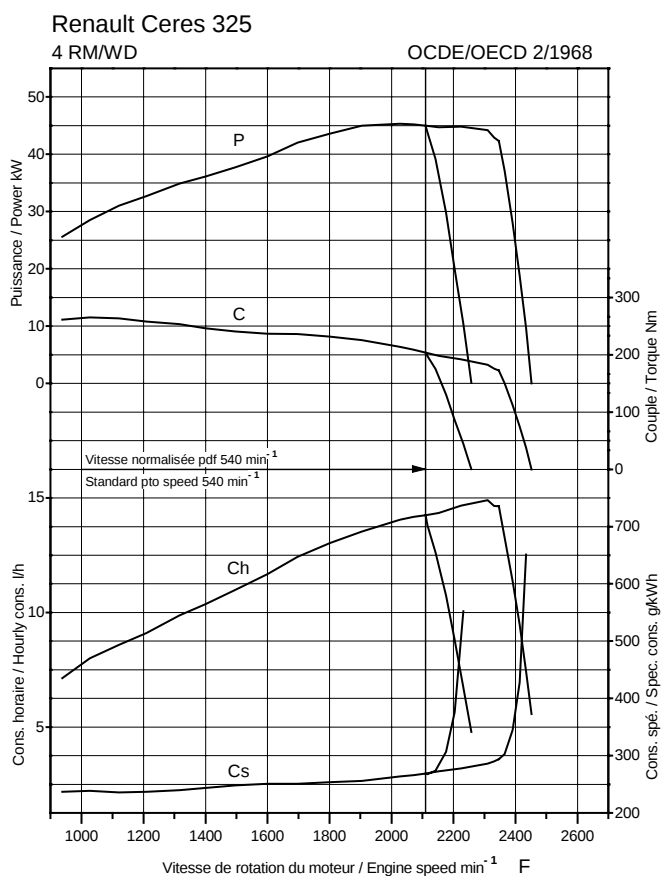
Manufacturer

M1012GA – 40 km/h

Testing station:

Renault Agriculture

Cemagref, Antony, France



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	4045 DRT 50
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4525 cm ³	Liquid
<i>Gear box</i>		Mechanical synchronized
<i>Number of forward and reverse speeds</i>		20 20
<i>Speed at rated engine speed</i>		from 1.85 to 38.74 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>		601 min ⁻¹ 1110 min ⁻¹
<i>Diameter of the shaft</i>		34.9 mm 34.9 mm
<i>Number of splines</i>		6 6

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	45.3 kW	2027 min ⁻¹	519 min ⁻¹
<i>Hourly and specific consumption</i>		14.05 l/h	264 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	42.3 kW	2346 min ⁻¹	600 min ⁻¹
<i>Hourly and specific consumption</i>		14.64 l/h	294 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	45.0 kW	2110 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		14.25 l/h	269 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		264.9 Nm	1027 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
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Total Mass

	3655 kg	
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<i>Maximum drawbar pull</i>	34.2 kN	Not
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<i>at speed of</i>	1.98 km/h	required
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<i>Maximum power</i>	37.1 kW	in
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<i>at speed of</i>	8.07 km/h	Code 2
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Power Lift and Hydraulic Performance Test*Hydraulic system*

		Opened centre
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<i>Maximum lifting force at hitch points, at frame</i>	17.6 kN	13.1 kN
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<u>At maximum hydraulic power</u>		
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<i>Flow rate, Pressure, Power</i>	47.2 l/min	15.4 MPa	12.1 kW
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