



OECD approval number

2/2 021

OECD approval date

Restricted Code

13/11/2002

Make

Renault

Model

Ares 616 RX

Type

4 WD

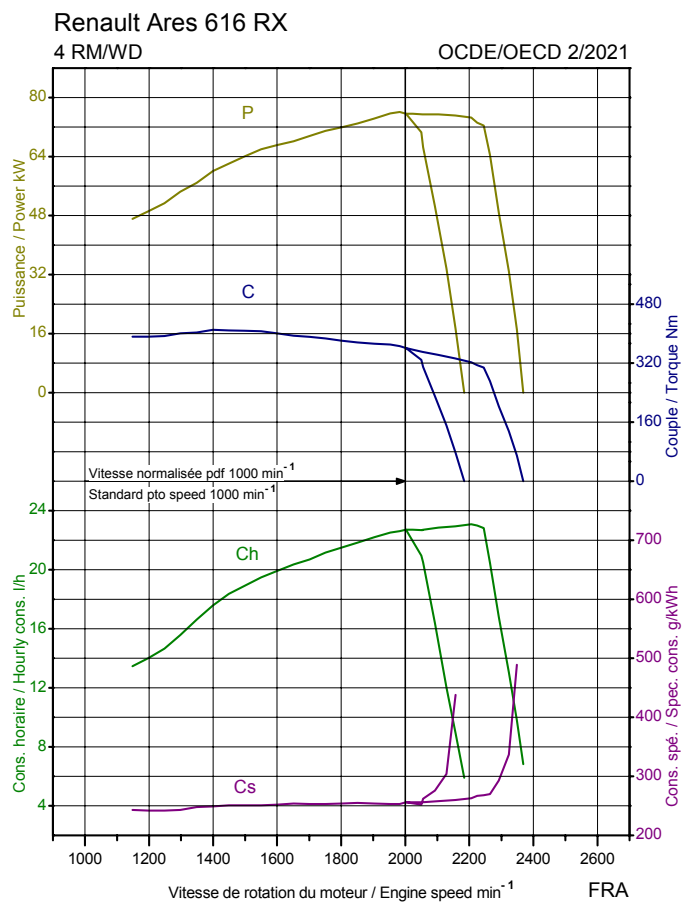
Manufacturer

H8212DA - 40 km/h

Testing station:

Renault Agriculture

Cemagref, Antony, France



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	DPS 6068 DRT50
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6788 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 2.10 to 38.46 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 1100 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>	76.1 kW	1983 min ⁻¹	992 min ⁻¹
<i>Hourly and specific consumption</i>		22.63 l/h	253 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	74.6 kW	2206 min ⁻¹	1103 min ⁻¹
<i>Hourly and specific consumption</i>		23.08 l/h	263 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	75.6 kW	2002 min ⁻¹	1001 min ⁻¹
<i>Hourly and specific consumption</i>		22.73 l/h	256 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		410.4 Nm	1399 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

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

<i>Maximum drawbar pull</i>		5155 kg	
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<i>at speed of</i>		44.9 kN	Not
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<i>Maximum power</i>		2.28 km/h	required
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<i>at speed of</i>		71.9 kW	in
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		9.64 km/h	Code 2
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Power Lift and Hydraulic Performance Test*Hydraulic system*

<i>Maximum lifting force at hitch points, at frame</i>		49.4 kN	Closed centre 39.4 kN
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At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	106.0 l/min	15.4 MPa	27.2 kW
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