



OECD approval number

2/2 022

Restricted Code

OECD approval date

15/11/2002

Make

Renault

Model

Ares 636 RZ

Type

4 WD

Manufacturer

H8232EA - 40 km/h

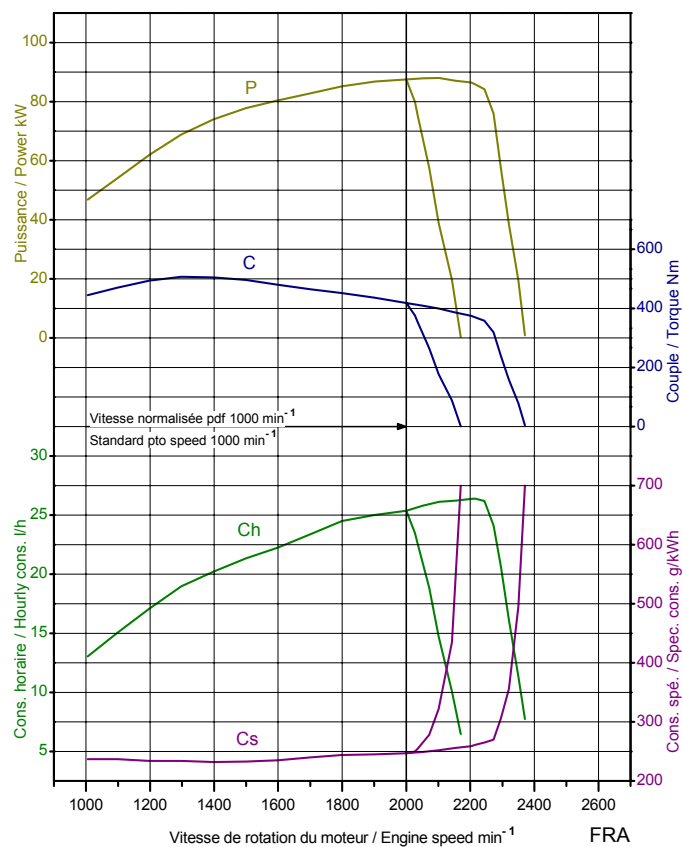
Testing station:

Renault Agriculture
Cemagref, Antony, France

Renault Ares 636 RZ

4 RM/WD

OCDE/OECD 2/2022



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	DPS 6068 TRT54
<i>Type, Supercharging</i>	Direct injection	Yes
<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 2.19 to 40.10 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>	88.0 kW	2103 min ⁻¹	1051 min ⁻¹
<i>Hourly and specific consumption</i>		26.13 l/h	252 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	86.5 kW	2202 min ⁻¹	1101 min ⁻¹
<i>Hourly and specific consumption</i>		26.38 l/h	259 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	87.5 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		25.38 l/h	247 g/kWh

Torque rise

		35.1 %	
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Maximum torque, Engine speed corresponding

	506.7 Nm	1298 min ⁻¹	
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Drawbar Test*Front tyres, Rear tyres*

	16.9 R 28	20.8 R 38
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Test with tractor

	<u>unballasted</u>	<u>ballasted</u>
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Total Mass

	5890 kg	
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Maximum drawbar pull

	53.5 kN	Not
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at speed of

	1.99 km/h	required
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Maximum power

	80.6 kW	in
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at speed of

	10.75 km/h	Code 2
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Power Lift and Hydraulic Performance Test*Hydraulic system*

		Closed centre
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Maximum lifting force at hitch points, at frame

	48.0 kN	39.4 kN
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At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	94.2 l/min	13.9 MPa	21.8 kW
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