



OECD approval number

2/2 107

OECD approval date

Restricted Code

06/02/2004

Make

Claas

Model

Ares 656 RZ

Type

4 WD

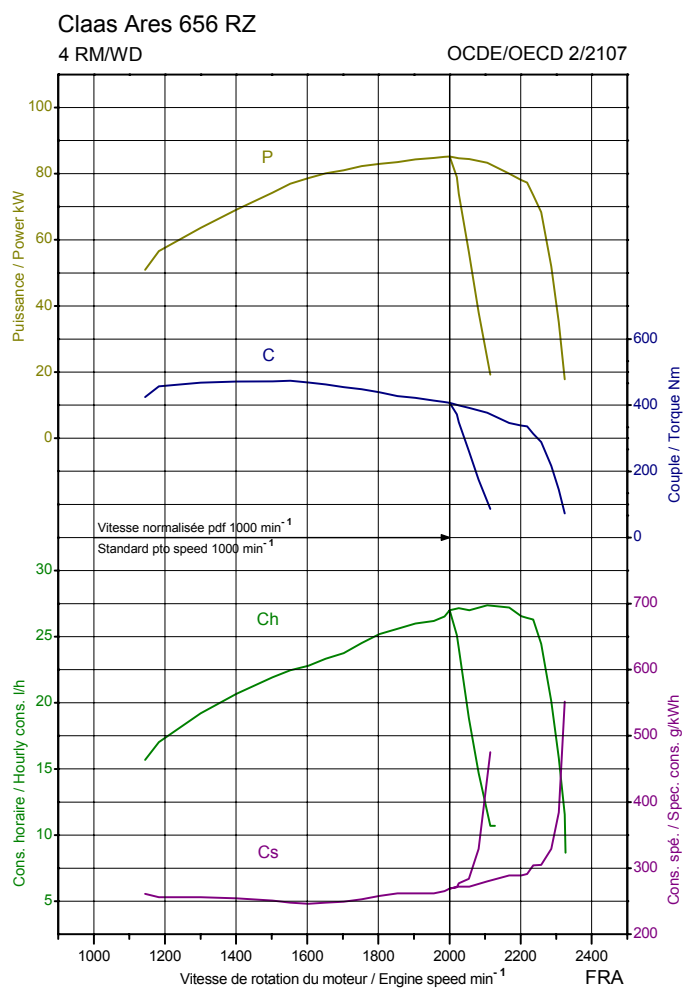
Manufacturer

H8232EA - 40 km/h

Testing station:

CLAAS KGaA mbH

Cemagref, Antony, France



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	6068 TRT 71
<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 2.26	to 42.10 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>	85.2 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		27.00 l/h	269 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	78.1 kW	2202 min ⁻¹	1101 min ⁻¹
<i>Hourly and specific consumption</i>		26.55 l/h	289 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	85.2 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		27.00 l/h	269 g/kWh

Torque rise

		39.9 %
<u>Maximum torque, Engine speed corresponding</u>	473.8 Nm	1522 min ⁻¹

Drawbar Test*Front tyres, Rear tyres*

<u>Test with tractor</u>	540/65 R 28	650/65 R 38
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Total Mass

	<u>unballasted</u>	<u>ballasted</u>
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*Maximum drawbar pull**at speed of**Maximum power**at speed of***Hydraulic Performance and Power Lift Test***Hydraulic system*At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	89.6 l/min	14.3 MPa	21.4 kW
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Maximum lifting force

<i>at hitch points, at frame</i>	50.1 kN	38.7 kN
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