



OECD approval number

2/2 294

Restricted Code

OECD approval date

29/11/2005

Make

Claas

Model

Ares 657 ATZ

Type

4 WD

H8262EA - Renault Ares 657 ATZ

Renault Agriculture Ares 657 ATZ - 40 km/h

Manufacturer

CLAAS KGaA mbH

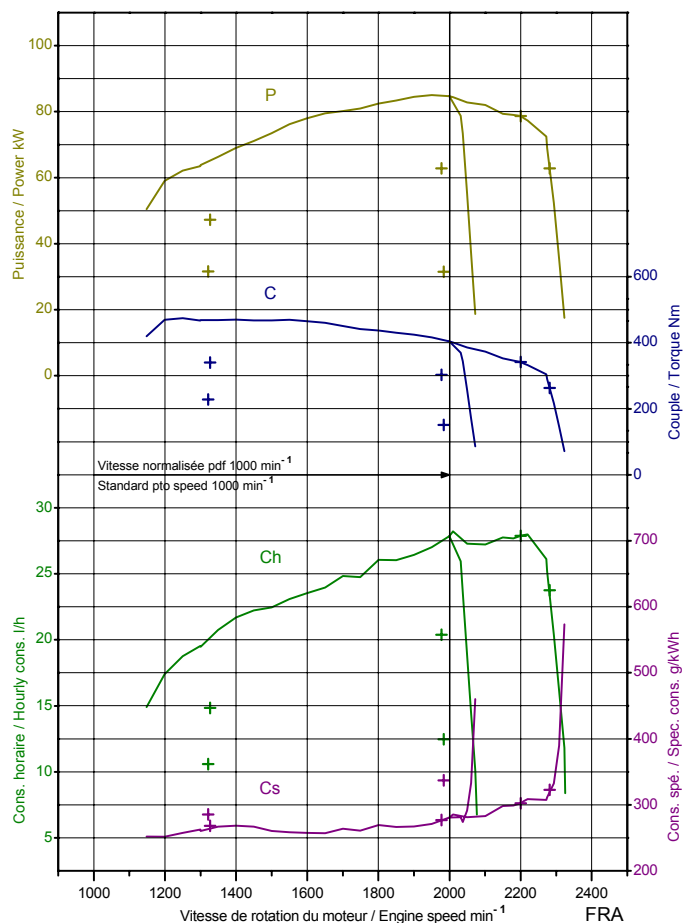
Testing station:

Cemagref, Antony, France

Claas Ares 657 ATZ

4 RM/WD

OCDE/OECD 2/2294



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	DPS 6068TRT71
<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>		24 24
<i>Speed at rated engine speed</i>		from 1.78 to 40.00 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>	85.0 kW	1950 min ⁻¹	975 min ⁻¹
<i>Hourly and specific consumption</i>		27.02 l/h	271 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	78.7 kW	2200 min ⁻¹	1100 min ⁻¹
<i>Hourly and specific consumption</i>		27.88 l/h	302 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	84.7 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		27.87 l/h	281 g/kWh

Torque rise

		39.1 %
<u>Maximum torque, Engine speed corresponding</u>	474.9 Nm	1250 min ⁻¹

Drawbar Test*Front tyres, Rear tyres*

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

	5825 kg	
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Maximum drawbar pull

	54.4 kN	Not
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at speed of

	1.60 km/h	required
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Maximum power

	75.5 kW	in
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at speed of

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

		Opened centre
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At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	49.1 l/min	16.4 MPa	13.4 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		44.5 kN	36.9 kN
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