



**OECD approval number**

**2/2 295**

**Restricted Code**

**29/11/2005**

**OECD approval date**

**Make**

**Claas**

**Model**

**Ares 697 ATZ**

**Type**

**4 WD**

**H8272EA - Renault Ares 697 ATZ**

**Renault Agriculture Ares 697 ATZ - 40 km/h**

**Manufacturer**

**CLAAS KGaA mbH**

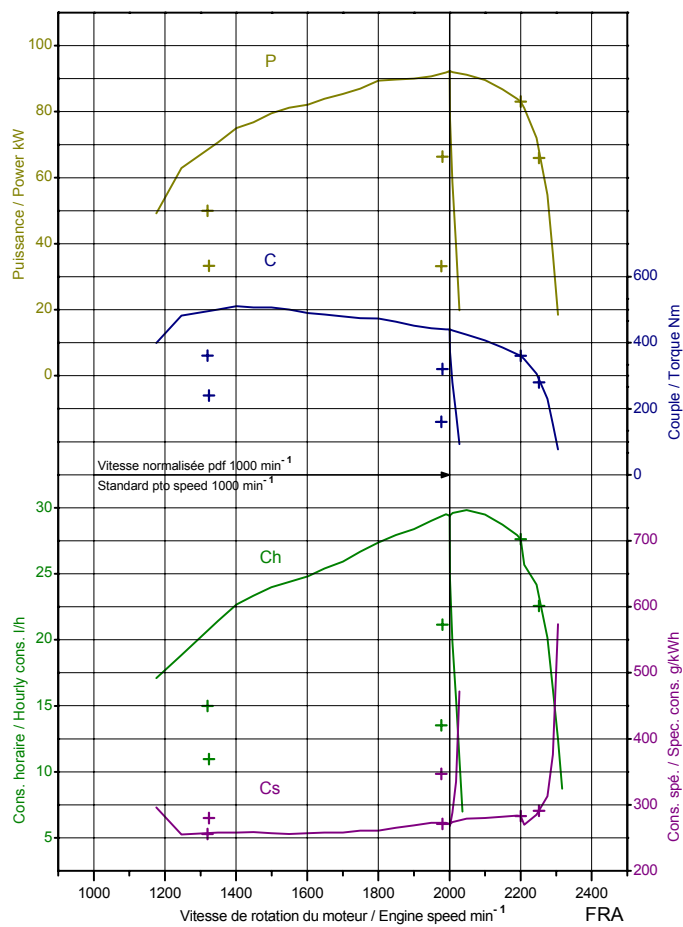
**Testing station:**

**Cemagref, Antony, France**

**Claas Ares 697 ATZ**

**4 RM/WD**

**OCDE/OECD 2/2295**



**Engine, Transmission, Power take-off Specifications**

<i>Make, Model</i>	John Deere	DPS 6068TRT73	
<i>Type, Supercharging</i>	Direct injection	Yes	
<i>Cylinders, Disposition</i>	6	vertical in line	
<i>Capacity, Cooling</i>	6788 cm <sup>3</sup>	Liquid	
<i>Gear box</i>		Mechanical	
<i>Number of forward and reverse speeds</i>		24	24
<i>Speed at rated engine speed</i>		from 1.62	to 40.00 km/h
<u>Standard Power take-off speed</u>		<u>540 min<sup>-1</sup></u>	<u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>		601 min <sup>-1</sup>	1100 min <sup>-1</sup>
<i>Diameter of the shaft</i>		34.9 mm	34.9 mm
<i>Number of splines</i>		6	21

**Power take-off Test**Two hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	92.3 kW	2000 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		29.41 l/h	271 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	83.1 kW	2200 min <sup>-1</sup>	1100 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		27.63 l/h	283 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	92.3 kW	2000 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		29.41 l/h	271 g/kWh

Torque rise

<u>Maximum torque. Engine speed corresponding</u>		511.1 Nm	1401 min <sup>-1</sup>
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**Drawbar Test**

<i>Front tyres, Rear tyres</i>	540/65 R 28	650/65 R 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6385 kg	
<i>Maximum drawbar pull</i>	57.6 kN	Not
<i>at speed of</i>	1.45 km/h	required
<i>Maximum power</i>	80.7 kW	in
<i>at speed of</i>	7.73 km/h	Code 2

**Hydraulic Performance and Power Lift Test**

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	80.1 l/min	15.0 MPa	20.0 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		48.7 kN	40.2 kN

