



OECD approval number

2/2 287

Restricted Code

OECD approval date

21/10/2005

Make

Claas

Model

Ares 577 ATX

Type

4 WD

H5372EA - Renault Ares 577 ATX

Renault Agriculture Ares 577 ATX - 40 km/h

Manufacturer

CLAAS KGaA mbH

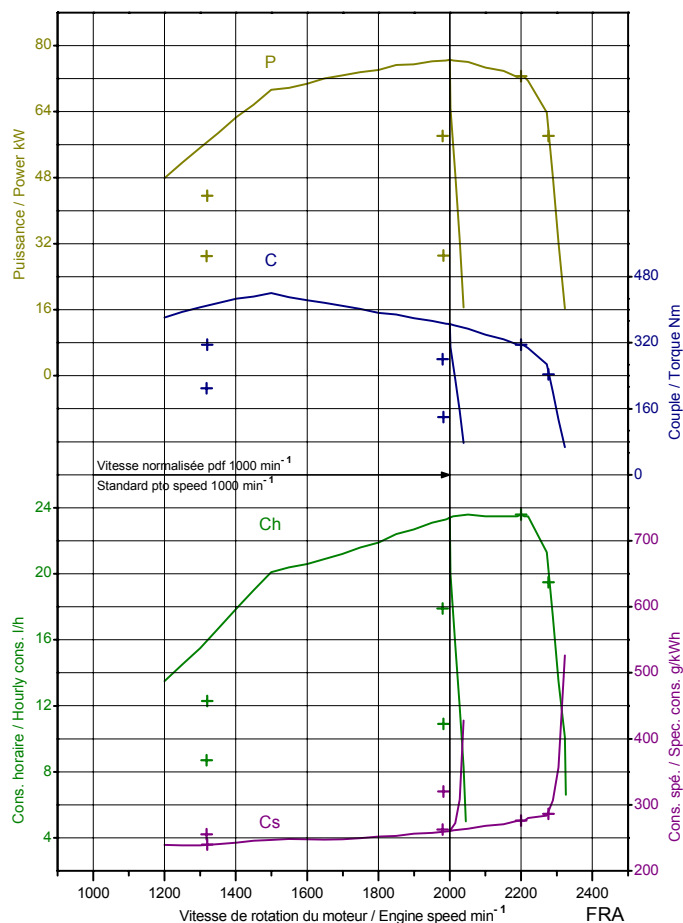
Testing station:

Cemagref, Antony, France

Claas Ares 577 ATX

4 RM/WD

OCDE/OECD 2/2287



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	DPS 4045HRT72
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4525 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 1.68 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>	76.6 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		23.41 l/h	260 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	72.6 kW	2200 min ⁻¹	1100 min ⁻¹
<i>Hourly and specific consumption</i>		23.57 l/h	276 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	76.6 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		23.41 l/h	260 g/kWh

Torque rise

		39.8 %
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Maximum torque, Engine speed corresponding

	440.8 Nm	1499 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

<u>Test with tractor</u>	480/65 R 28	600/65 R 38
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Total Mass

	<u>unballasted</u>	<u>ballasted</u>
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<i>Maximum drawbar pull</i>	5030 kg	
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<i>at speed of</i>	45.3 kN	Not
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<i>Maximum power</i>	1.54 km/h	required
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<i>at speed of</i>	64.6 kW	in
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	6.74 km/h	Code 2
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Hydraulic Performance and Power Lift Test*Hydraulic system*

		Opened centre
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<u>At maximum hydraulic power</u>		
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<i>Flow rate, Pressure, Power</i>	54.3 l/min	16.4 MPa	14.9 kW
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<u>Maximum lifting force</u>		
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<i>at hitch points, at frame</i>	47.0 kN	37.1 kN
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