



OECD approval number

2/2 285

Restricted Code

OECD approval date

21/10/2005

Make

Claas

Model

Ares 557 ATX

Type

4 WD

H5352EA - Renault Ares 557 ATX

Renault Agriculture Ares 557 ATX - 40 km/h

Manufacturer

CLAAS KGaA mbH

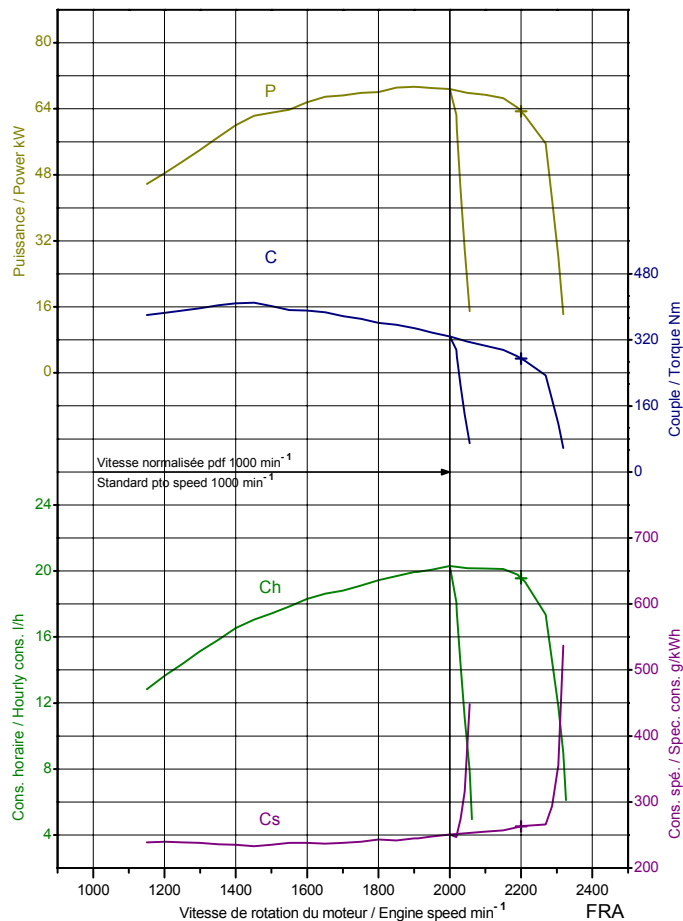
Testing station:

Cemagref, Antony, France

Claas Ares 557 ATX

4 RM/WD

OCDE/OECD 2/2285



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	DPS 4045HRT70
<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>	69.4 kW	1900 min ⁻¹	950 min ⁻¹
<i>Hourly and specific consumption</i>		19.94 l/h	245 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	63.4 kW	2200 min ⁻¹	1100 min ⁻¹
<i>Hourly and specific consumption</i>		19.57 l/h	263 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	68.8 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		20.31 l/h	251 g/kWh

Torque rise

		49.1 %	
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Maximum torque, Engine speed corresponding

410.4 Nm	1451 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

480/65 R 28	600/65 R 38
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Test with tractor

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

5200 kg

Maximum drawbar pull

48.8 kN

at speed of

1.55 km/h	Not required
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Maximum power

62.1 kW

at speed of

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

Opened centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	54.9 l/min	16.1 MPa	14.8 kW
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Maximum lifting force

<i>at hitch points, at frame</i>		46.1 kN	35.9 kN
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