



OECD approval number

2/2 026

Restricted Code

OECD approval date

22/11/2002

Make

Renault

Model

Ares 696 RZ

Type

4 WD

Manufacturer

H8242EA - 40 km/h

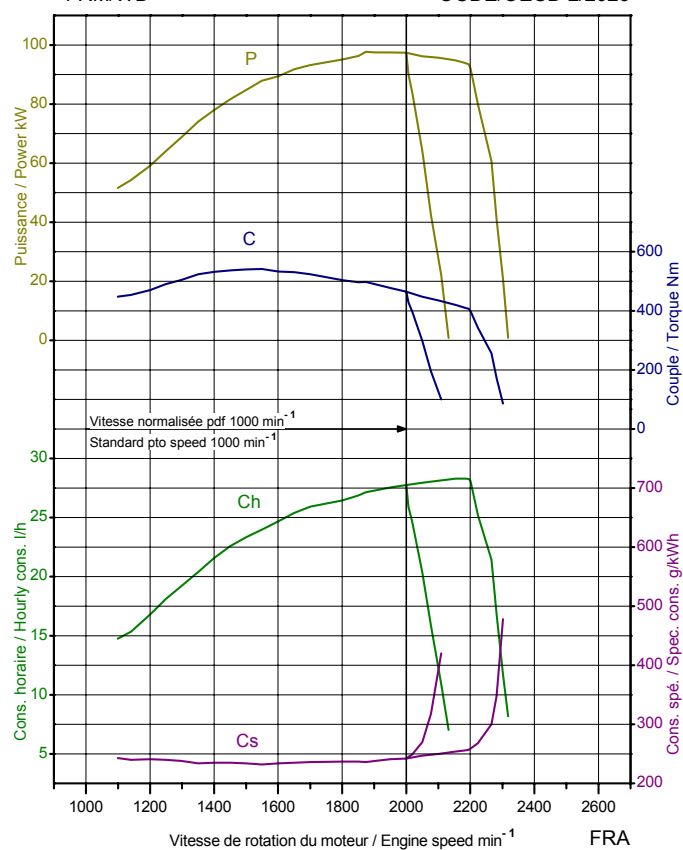
Testing station:

Renault Agriculture  
Cemagref, Antony, France

Renault Ares 696 RZ

4 RM/WD

OCDE/OECD 2/2026



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

|                                                   |                      |                                                          |
|---------------------------------------------------|----------------------|----------------------------------------------------------|
| <i>Make, Model</i>                                | John Deere           | DPS 6068 TRT55                                           |
| <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>       |                      | 32 32                                                    |
| <i>Speed at rated engine speed</i>                |                      | from 2.13 to 39.12 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> | 97.7 kW | 1874 min <sup>-1</sup> | 937 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 27.15 l/h              | 236 g/kWh             |

Test at maximum power at rated engine speed

|                                               |         |                        |                        |
|-----------------------------------------------|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 93.5 kW | 2195 min <sup>-1</sup> | 1097 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 28.27 l/h              | 257 g/kWh              |

Test at standard Power take-off speed

|                                               |         |                        |                        |
|-----------------------------------------------|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 97.4 kW | 2000 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 27.75 l/h              | 242 g/kWh              |

Torque rise

|                                                   |  |          |                        |
|---------------------------------------------------|--|----------|------------------------|
| <i>Maximum torque, Engine speed corresponding</i> |  | 542.0 Nm | 1549 min <sup>-1</sup> |
|---------------------------------------------------|--|----------|------------------------|

**Drawbar Test***Front tyres, Rear tyres*

|                          |           |           |
|--------------------------|-----------|-----------|
| <u>Test with tractor</u> | 16.9 R 28 | 20.8 R 38 |
|--------------------------|-----------|-----------|

*Total Mass*

|                             |             |           |
|-----------------------------|-------------|-----------|
| <i>Maximum drawbar pull</i> | unballasted | ballasted |
|-----------------------------|-------------|-----------|

*at speed of*

|                      |         |  |
|----------------------|---------|--|
| <i>Maximum power</i> | 6035 kg |  |
|----------------------|---------|--|

*at speed of*

|  |         |     |
|--|---------|-----|
|  | 55.1 kN | Not |
|--|---------|-----|

**Power Lift and Hydraulic Performance Test***Hydraulic system*

|                                                        |         |               |
|--------------------------------------------------------|---------|---------------|
| <i>Maximum lifting force at hitch points, at frame</i> | 48.3 kN | Closed centre |
|--------------------------------------------------------|---------|---------------|

At maximum hydraulic power

|                                   |         |  |
|-----------------------------------|---------|--|
| <i>Flow rate, Pressure, Power</i> | 39.6 kN |  |
|-----------------------------------|---------|--|

96.1 l/min 14.2 MPa 22.7 kW

