

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 898
OECD Approval Date	22/06/2015
Make	Fendt
Model	828 Vario S4
Type	4WD
Transmission	CVT
Speed	60 km/h
Manufacturer	AGCO GmbH
Testing Station	DLG – Germany



SPECIFICATIONS

ENGINE

<i>Make</i>	Deutz
<i>Model</i>	TTCD 6.1L6
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	vertical in line
<i>Capacity</i>	6056 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	CVT
<i>Number of forward and reverse speeds</i>	-
<i>Speed at rated engine speed</i>	from 0,02 to 60,00 km/h

POWER TAKE-OFF SPECIFICATIONS

<i>Standard Power take-off speed</i>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>		1116 min ⁻¹
<i>Diameter of the shaft</i>	Not	44,45 mm
<i>Number of splines</i>	Applicable	20

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	195,49 kW	1800 min ⁻¹	957 min ⁻¹
Hourly and specific consumption		51,97 l/h	223 g/kWh
Hourly and specific urea consumption		1,69 l/h	9,4 g/kWh-

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	193,62 kW	2100 min ⁻¹	1116 min ⁻¹
Hourly and specific consumption		54,71 l/h	237 g/kWh
Hourly and specific urea consumption		1,71 l/h	9,6 g/kWh-

Test at standard Power take-off speed

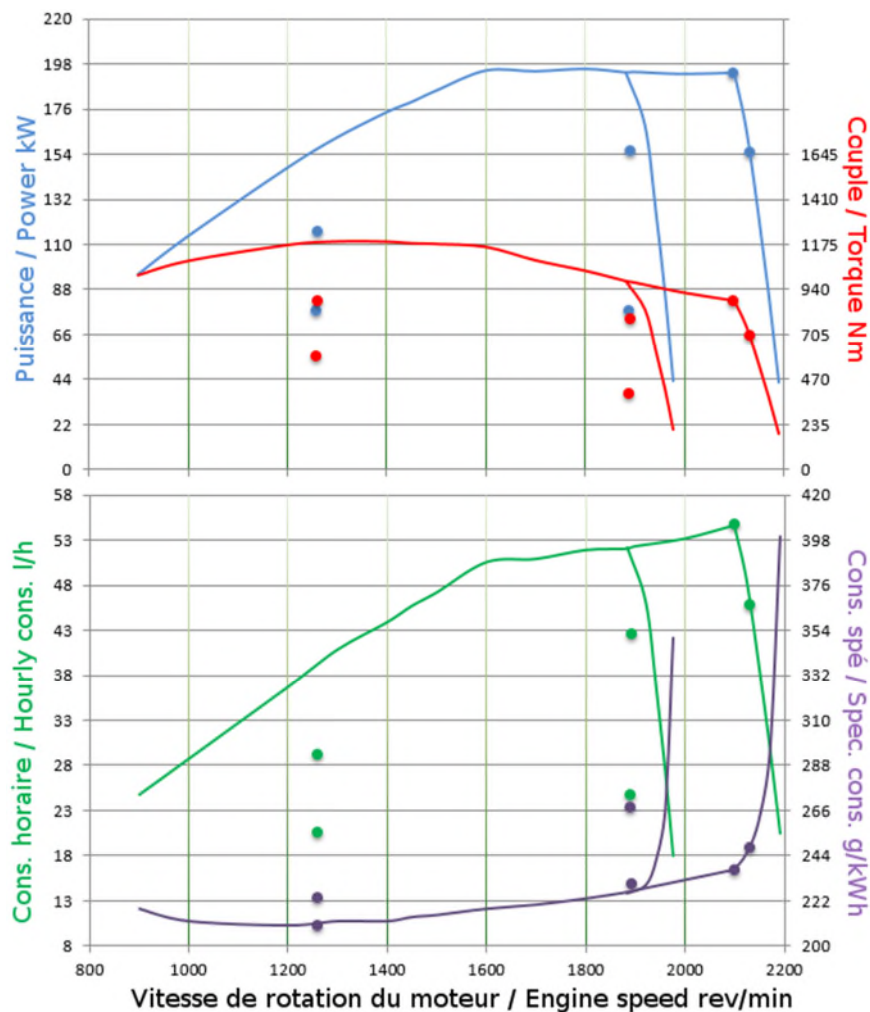
Power, Engine and Power take-off speed	193,8 kW	1882 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		52,10 l/h	226 g/kWh
Hourly and specific urea consumption		1,74 l/h	9,8 g/kWh-

Torque rise

		35,2 %
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Maximum torque, Engine speed corresponding

1190,28 Nm

1300 min⁻¹

PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

Not Applicable

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system

Closed centre

Relief valve pressure setting (tolerance):

20 + 2 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)

105,7 l/min

17,0 MPa

30,0 kW

Flow rate, Pressure, Power (couplers: 2 pairs or +)

192,6 l/min

18,2 MPa

58,4 kW

POWER LIFT

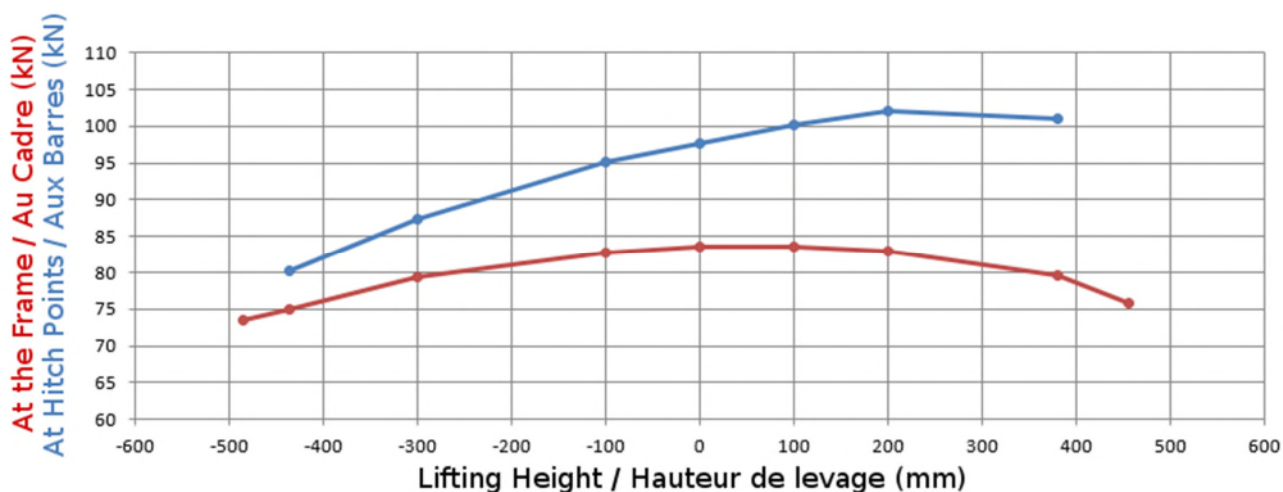
Maximum lifting force

at the hitch points

80,3 kN

at the frame

73,5 kN

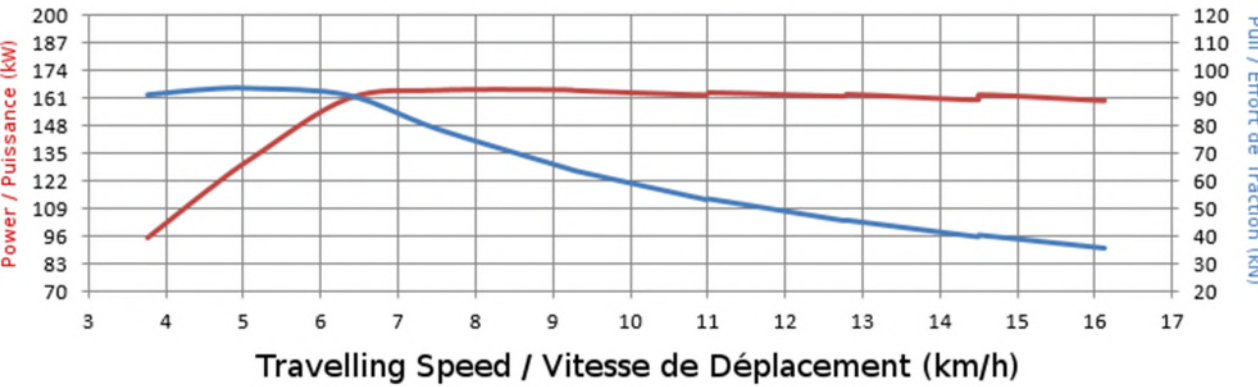


DRAWBAR TEST

Front tyres, Rear tyres	IF 600/70 R 30	IF 710/70 R 42
Inflation pressure	80 kPa	80 kPa

UNBALLASTED

Total Mass	9475 kg
Maximum drawbar pull	93,60 kN
at speed of	5,13 km/h
Maximum power	164,8 kW
at speed of	9,17 km/h



BALLASTED

Not Applicable