

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/3 051
OECD Approval Date	12/06/2017
Make	John Deere
Model	6130M
Type	4 WD
Transmission	PowerQuad
Speed	40 km/h
Manufacturer	John Deere GmbH &Co. KG
Testing Station	DLG e.V. – Germany



SPECIFICATIONS

ENGINE

<i>Make</i>	John Deere Power System
<i>Model</i>	4045HL501 PSS
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	4
<i>Disposition</i>	in line
<i>Capacity</i>	4525 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	PowerQuad
<i>Number of forward and reverse speeds</i>	24
<i>Speed at rated engine speed</i>	from 1,50 to 38,02 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>	577 min ⁻¹	1071 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	84,29 kW	1800 min ⁻¹	917 min ⁻¹
Hourly and specific consumption		24,95 l/h	247 g/kWh
Hourly and specific urea consumption		0,68 l/h	8,7 g/kWh

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	77,24 kW	2100 min ⁻¹	1070 min ⁻¹
Hourly and specific consumption		25,04 l/h	271 g/kWh
Hourly and specific urea consumption		0,65 l/h	9,2 g/kWh

Test at standard Power take-off speed

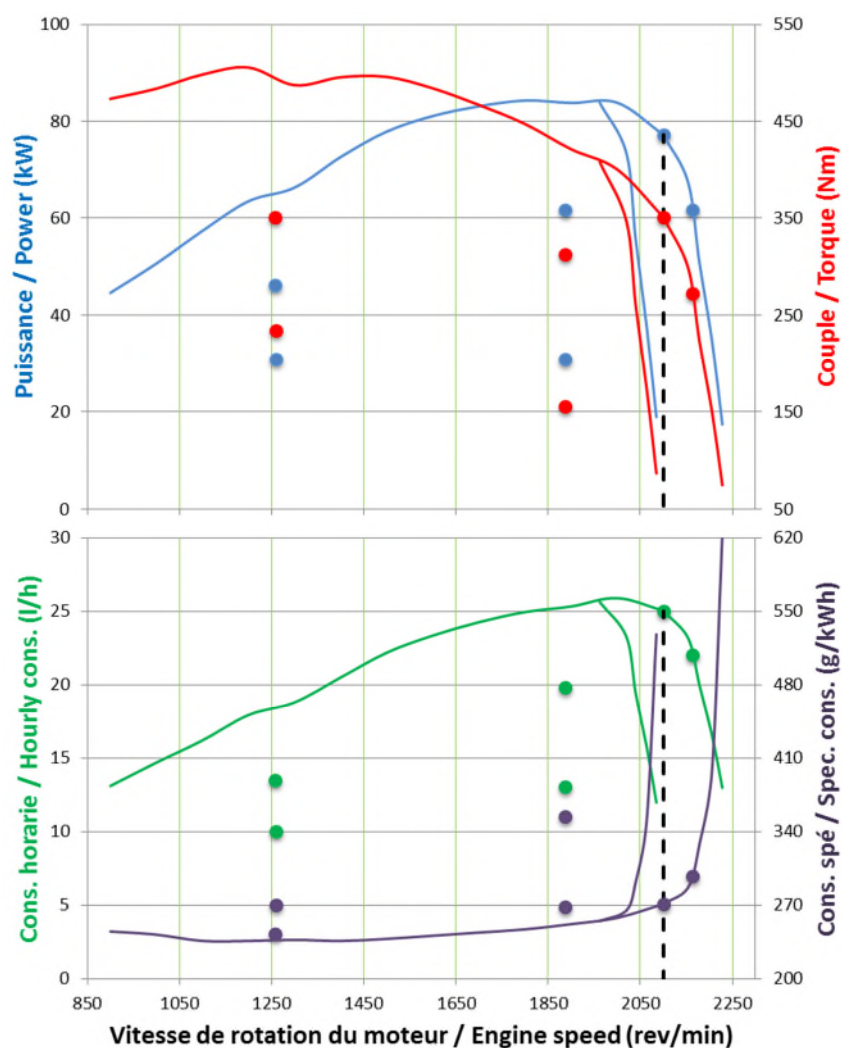
Power, Engine and Power take-off speed	83,9 kW	1962 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		25,6 l/h	255 g/kWh
Hourly and specific urea consumption		0,73 l/h	9,5 g/kWh

Torque rise

43,9 %

Maximum torque, Engine speed corresponding

505,5 Nm

1200 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):

20,5 ± 0,5 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	106,4 l/min	16,5 MPa	29,3 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	108,5 l/min	18,2 MPa	32,9 kW

POWER LIFT

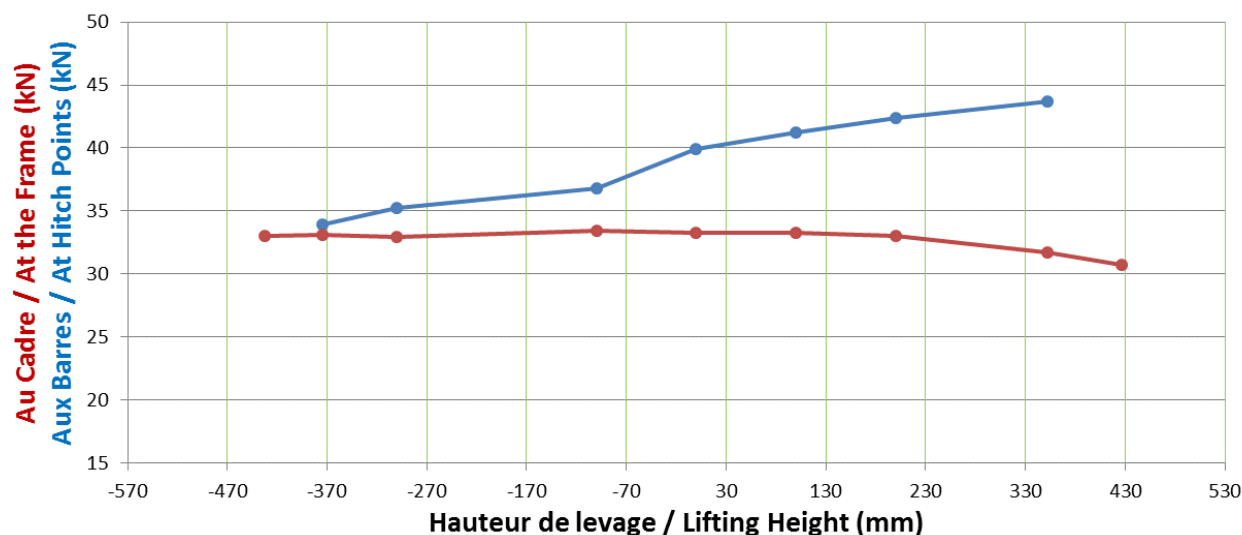
Maximum lifting force

at the hitch points

33,9 kN

at the frame

30,7 kN

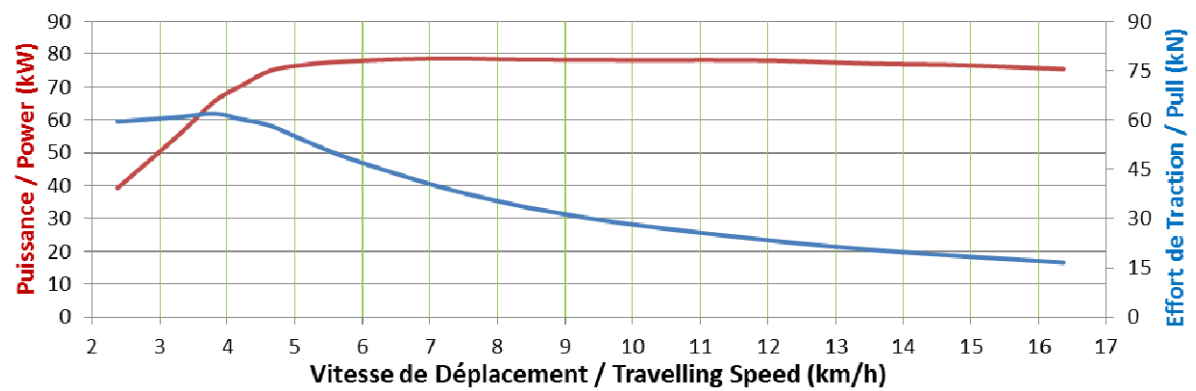


DRAWBAR TEST

Front tyres, Rear tyres	420/70R24	480/70R38
Inflation pressure	80 kPa	80 kPa

UNBALLASTED

Total Mass	5990 kg
Maximum drawbar pull	61,96 kN
at speed of	3,81 km/h
Maximum power	78,7 kW
at speed of	7,13 km/h



BALLASTED

Not applicable