

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number

2/3 043

OECD Approval Date

07/04/2017

Make	DEUTZ-FAHR
Model	AGROTRAC 115.6
Make	SAME
Model	LASER 115.6

Type

4 WD

Transmission

mechanical synchromesh

Speed

40 km/h

Manufacturer

SAME DEUTZ-FAHR ITALIA S.p.A.

Testing Station

CREA-ING – Italy



SPECIFICATIONS

ENGINE

<i>Make</i>	S.D.F.I.
<i>Model</i>	1000.6 WT9
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	in line
<i>Capacity</i>	6000 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	mechanical synchromesh	
<i>Number of forward and reverse speeds</i>	20	20
<i>Speed at rated engine speed</i>	from 0,53	to 40,13 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>	611 min ⁻¹	1044 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	6

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	79,3 kW	1901 min ⁻¹	845 min ⁻¹
Hourly and specific consumption		23,98 l/h	253 g/kWh
Hourly and specific urea consumption		-	-

Test at maximum power at rated engine speed

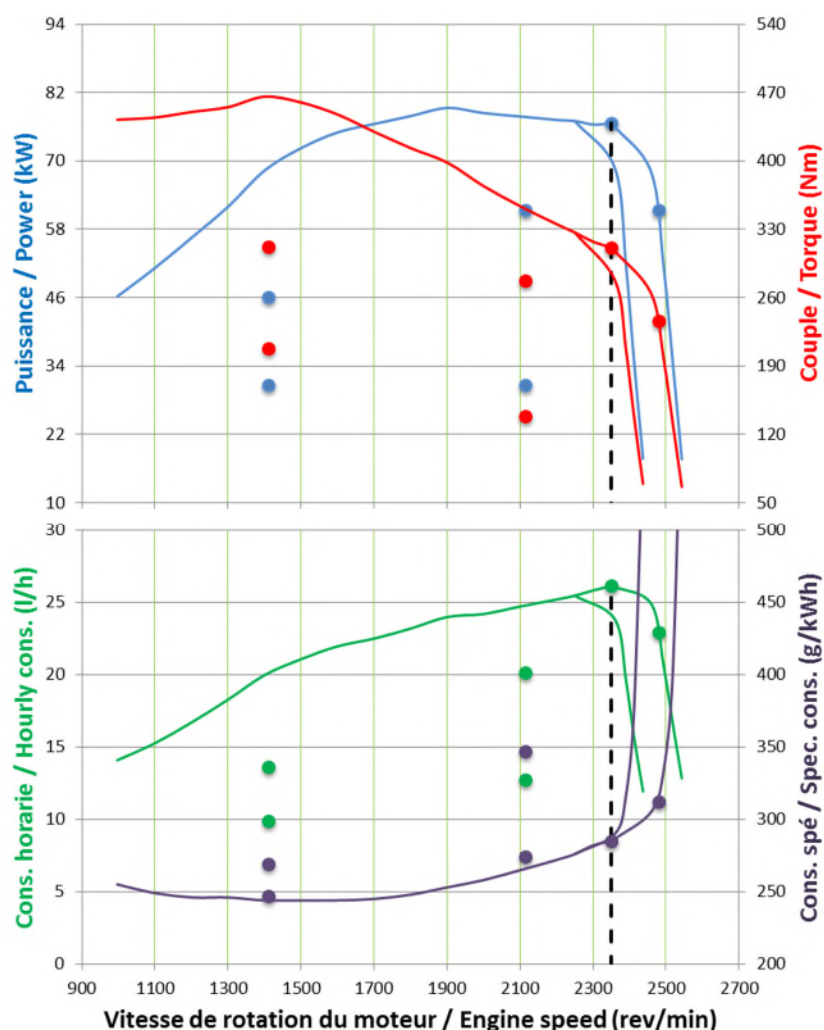
Power, Engine and Power take-off speed	76,6 kW	2351 min ⁻¹	1045 min ⁻¹
Hourly and specific consumption		26,13 l/h	285 g/kWh
Hourly and specific urea consumption		-	-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	77,0 kW	2250 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		25,45 l/h	276 g/kWh
Hourly and specific urea consumption		-	-

Torque rise

Maximum torque, Engine speed corresponding	465,78 Nm	1400 min ⁻¹	49,7 %
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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) 59,4 l/min 17,5 MPa 17,33 kW

Flow rate, Pressure, Power (couplers: 2 pairs or +) 59,1 l/min 18,3 MPa 18,03 kW

POWER LIFT

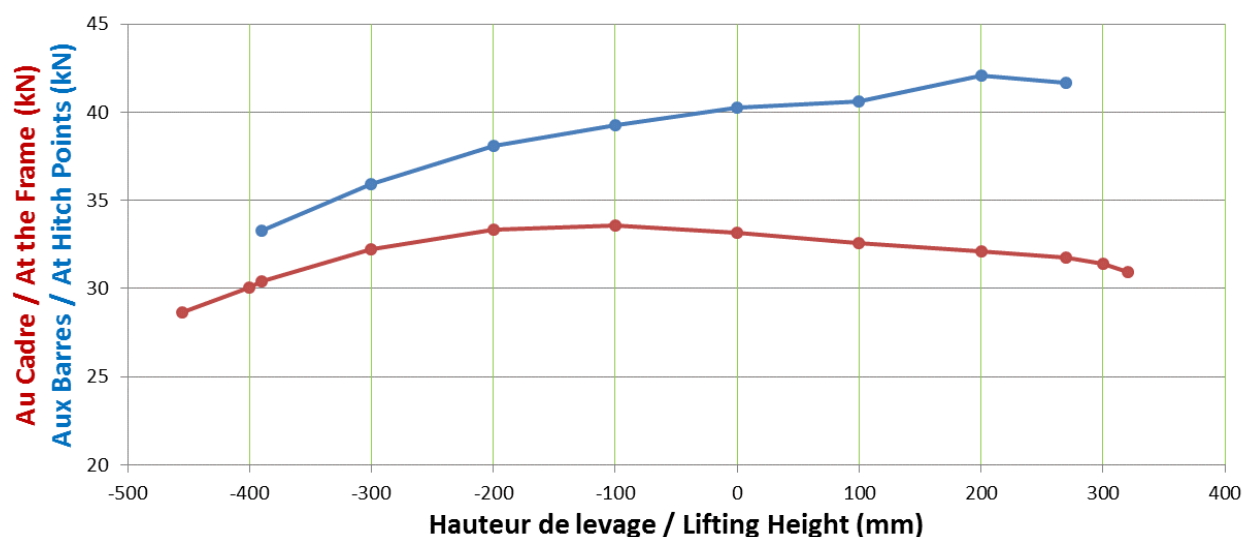
Maximum lifting force

at the hitch points

33,30 kN

at the frame

28,62 kN

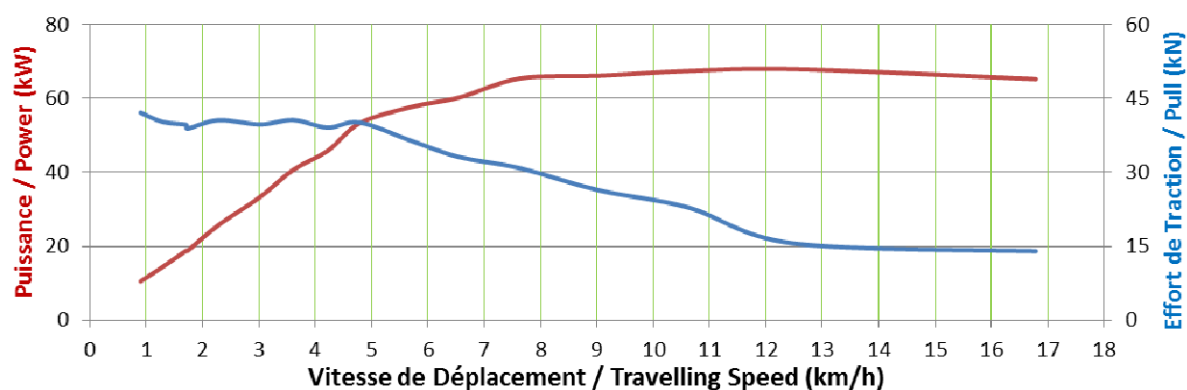


DRAWBAR TEST

Front tyres, Rear tyres	420/85R24	460/85R34
Inflation pressure	160 kPa	160 kPa

UNBALLASTED

Total Mass	4400 kg
Maximum drawbar pull	42,1 kN
at speed of	0,90 km/h
Maximum power	67,9 kW
at speed of	12,48 km/h



BALLASTED

Not applicable