

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 883
OECD Approval Date	23/03/2015
Make	DEUTZ-FAHR
Model	AGROTRON 180
Type	4 WD
Transmission	Mechanical
Speed	50 km/h
Manufacturer	SAME DEUTZ-FAHR DEUTSCHLAND GmbH
Testing Station	CRA-ING – Italy



SPECIFICATIONS

ENGINE

<i>Make</i>	DEUTZ AG
<i>Model</i>	BF 6 M 1013
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	vertical in line
<i>Capacity</i>	7146 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	Mechanical
<i>Number of forward and reverse speeds</i>	24
<i>Speed at rated engine speed</i>	from 3,17 to 50,04 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>	575 min ⁻¹	1070 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	116,7 kW	2100 min ⁻¹	956 min ⁻¹
Hourly and specific consumption		38,08 l/h	273 g/kWh
Hourly and specific urea consumption		-	-

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	110,5 kW	2350 min ⁻¹	1070 min ⁻¹
Hourly and specific consumption		39,00 l/h	295 g/kWh
Hourly and specific urea consumption		-	-

Test at standard Power take-off speed

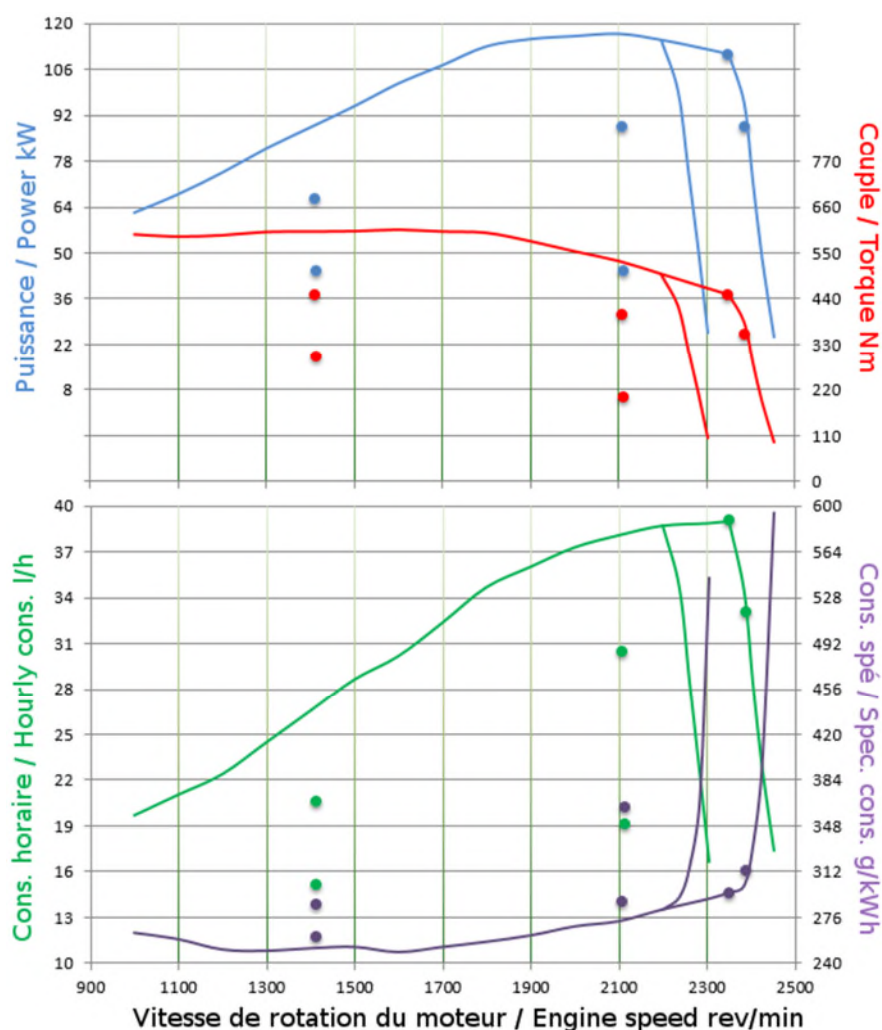
Power, Engine and Power take-off speed	114,8 kW	2198 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		38,70 l/h	282 g/kWh
Hourly and specific urea consumption		-	-

Torque rise

		35,0 %
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Maximum torque, Engine speed corresponding

606,5 Nm	1599 min ⁻¹
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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):

19,5 ± 0,5 MPa

 HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	91,8 l/min	17,5 MPa	26,78 kW
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Flow rate, Pressure, Power (couplers: 2 pairs or +)	112,0 l/min	18,5 MPa	34,53 kW
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 POWER LIFT

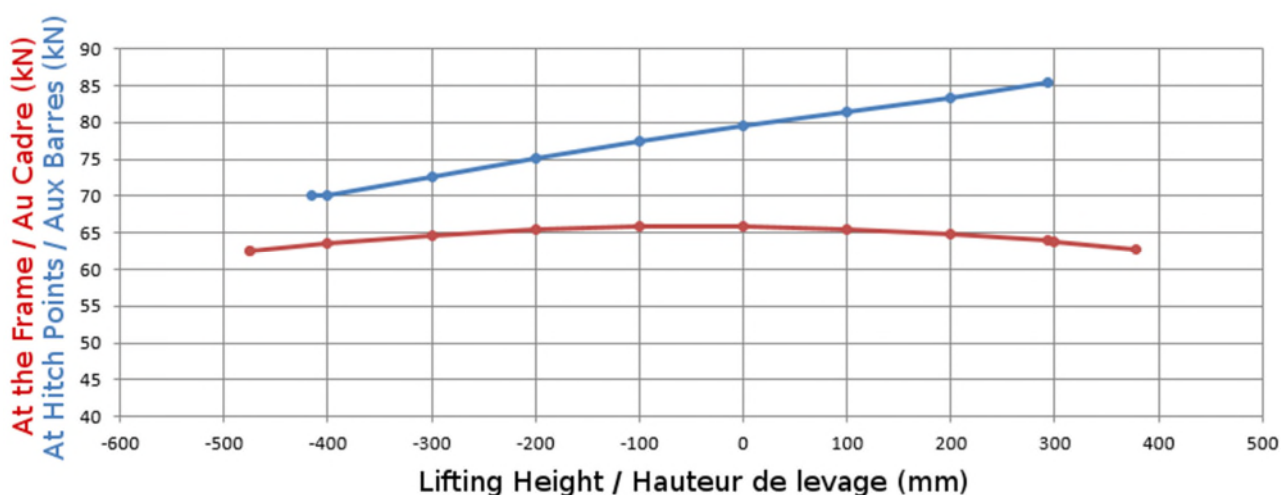
Maximum lifting force

at the hitch points

70,12 kN

at the frame

62,42 kN

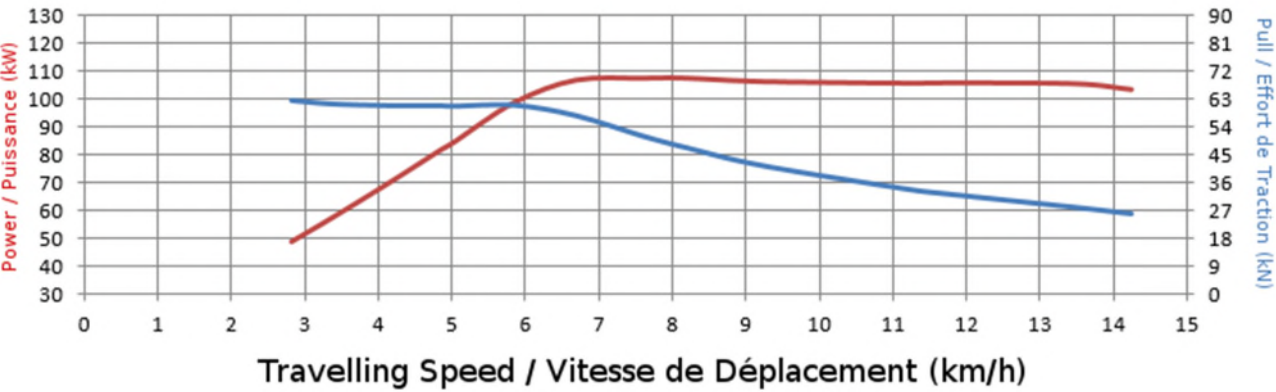


DRAWBAR TEST

Front tyres, Rear tyres	540/65R28	650/65R38
Inflation pressure	160 kPa	160 kPa

UNBALLASTED

Total Mass	6485 kg
Maximum drawbar pull	62,57 kN
at speed of	2,81 km/h
Maximum power	107,8 kW
at speed of	8,19 km/h



BALLASTED

Not Applicable