

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 884
OECD Approval Date	01/04/2015
Make	DEUTZ-FAHR
Model	AGROTRAC 170
Type	4 WD
Transmission	Mechanical
Speed	40 km/h
Manufacturer	SAME DEUTZ-FAHR ITALIA S.p.A
Testing Station	CRA-ING – Italy



SPECIFICATIONS

ENGINE

<i>Make</i>		S.D.F.I.
<i>Model</i>		100.6 WT113
<i>Type</i>		Direct injection
<i>Supercharging</i>		Yes
<i>Cylinders</i>		6
<i>Disposition</i>		vertical in line
<i>Capacity</i>		6000 cm ³
<i>Cooling</i>		Liquid

TRANSMISSION

<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	24	12
<i>Speed at rated engine speed</i>	from 1,01	to 38,91 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>	596 min ⁻¹	1076 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	112,4 kW	2300 min ⁻¹	1077 min ⁻¹
Hourly and specific consumption		36,87 l/h	275 g/kWh
Hourly and specific urea consumption		-	-

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	112,4 kW	2300 min ⁻¹	1077 min ⁻¹
Hourly and specific consumption		36,87 l/h	275 g/kWh
Hourly and specific urea consumption		-	-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	110,7 kW	2136 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		34,70 l/h	262 g/kWh
Hourly and specific urea consumption		-	-

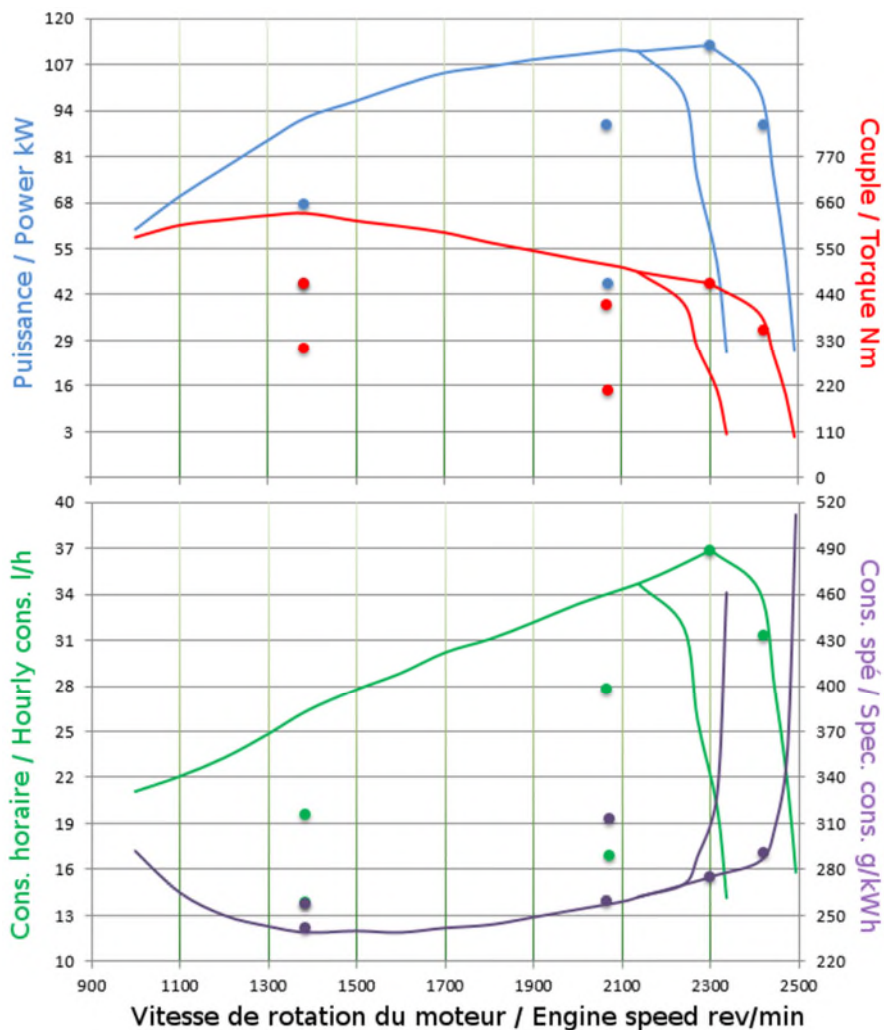
Torque rise

35,7 %

Maximum torque, Engine speed corresponding

633,4 Nm

1388 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):

19,5 ± 0,5 MPa

 HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	58,8 l/min	18,0 MPa	17,64 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	59,1 l/min	18,5 MPa	18,22 kW

 POWER LIFT

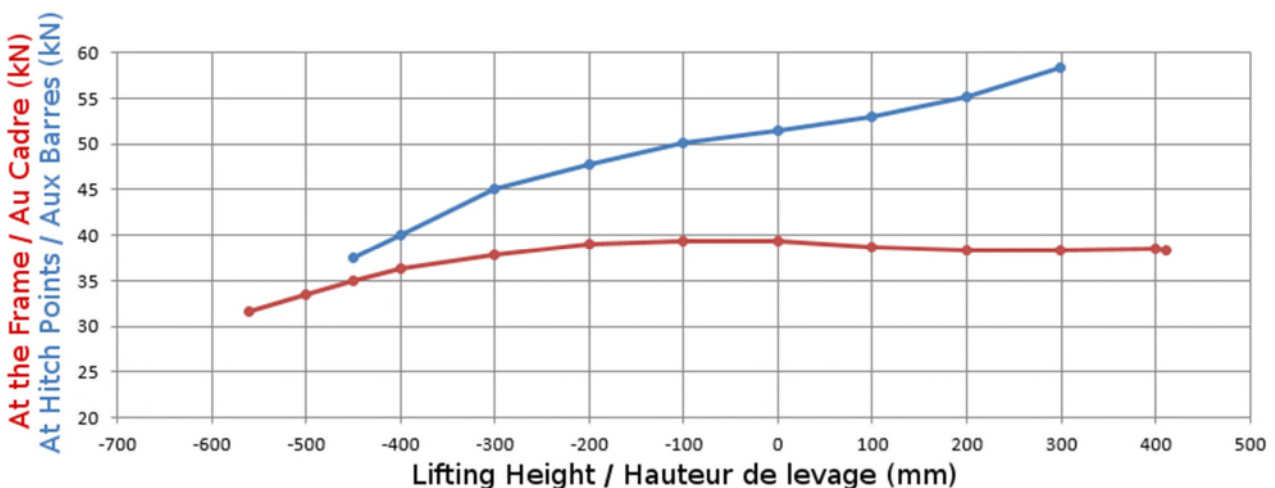
Maximum lifting force

at the hitch points

37,45 kN

at the frame

31,59 kN

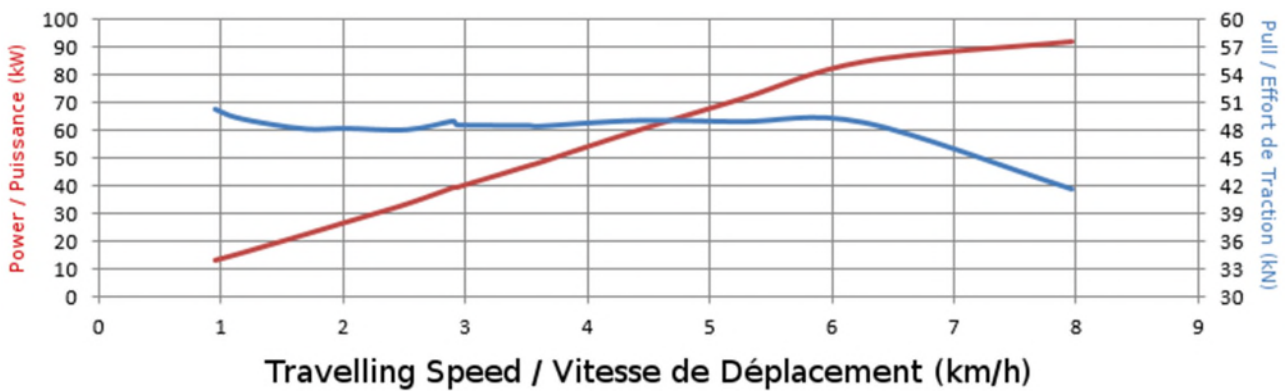


DRAWBAR TEST

Front tyres, Rear tyres	420/85R30	520/85R38
Inflation pressure	160 kPa	160 kPa

UNBALLASTED

Total Mass	5870 kg
Maximum drawbar pull	50,30 kN
at speed of	0,95 km/h
Maximum power	94,0 kW
at speed of	9,54 km/h



BALLASTED

Not Applicable