

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 909
OECD Approval Date	21/09/2015
Make	Massey Ferguson
Model	8735 DynaVT
Type	4WD
Transmission	Dyna VT
Speed	40 km/h
Manufacturer	AGCO S.A.S.
Testing Station	IRSTEA – France



SPECIFICATIONS

ENGINE

<i>Make</i>	AGCO POWER Inc
<i>Model</i>	84AWF 1021
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	vertical in line
<i>Capacity</i>	8419 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	Dyna VT
<i>Number of forward and reverse speeds</i>	-
<i>Speed at rated engine speed</i>	from 0,0 to 40,0 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>	719 min ⁻¹	1066 min ⁻¹
<i>Diameter of the shaft</i>	34,9 mm	34,9 mm
<i>Number of splines</i>	6	6

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	234,4 kW	1948 min ⁻¹	989 min ⁻¹
Hourly and specific consumption		64,39 l/h	230 g/kWh
Hourly and specific urea consumption		3,12 l/h	15,0 g/kWh-

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	214,0 kW	2096 min ⁻¹	1064 min ⁻¹
Hourly and specific consumption		61,79 l/h	241 g/kWh
Hourly and specific urea consumption		2,93 l/h	14,9 g/kWh-

Test at standard Power take-off speed

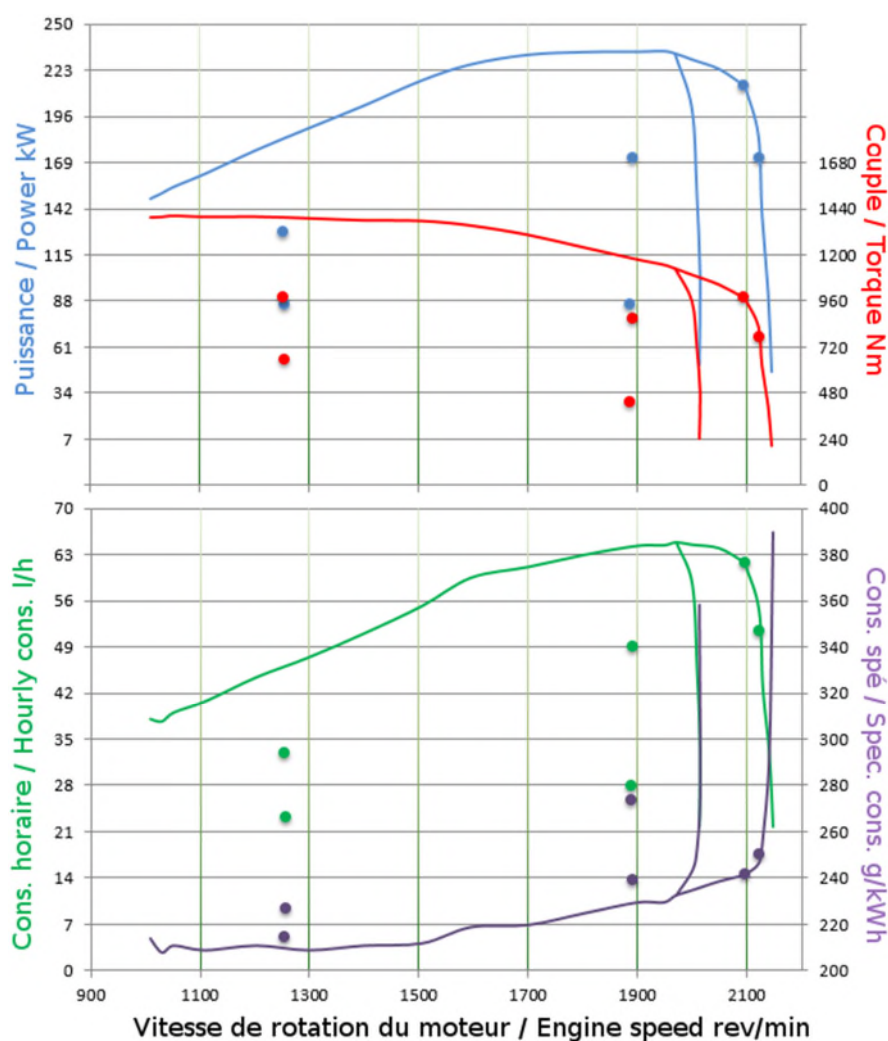
Power, Engine and Power take-off speed	232,9 kW	1970 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		64,83 l/h	233 g/kWh
Hourly and specific urea consumption		2,78 l/h	13,0 g/kWh-

Torque rise

44,1 %

Maximum torque, Engine speed corresponding

1404,5 Nm

1053 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):

21 ± 1,5 MPa

 HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	127,9 l/min	15,6 MPa	33,2 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	179,2 l/min	16,8 MPa	50,2 kW

 POWER LIFT

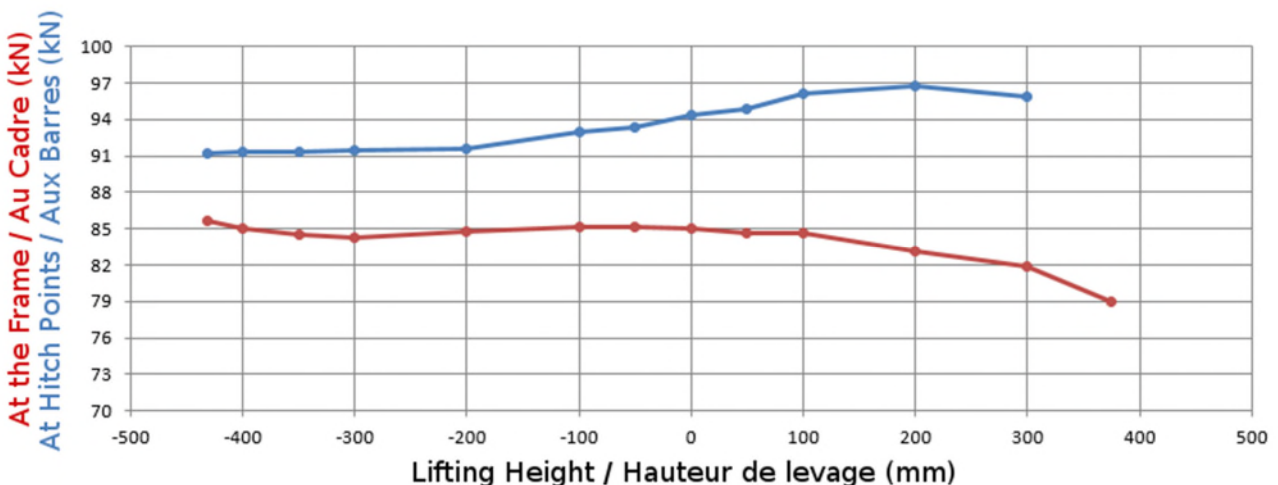
Maximum lifting force

at the hitch points

91,2 kN

at the frame

79,0 kN

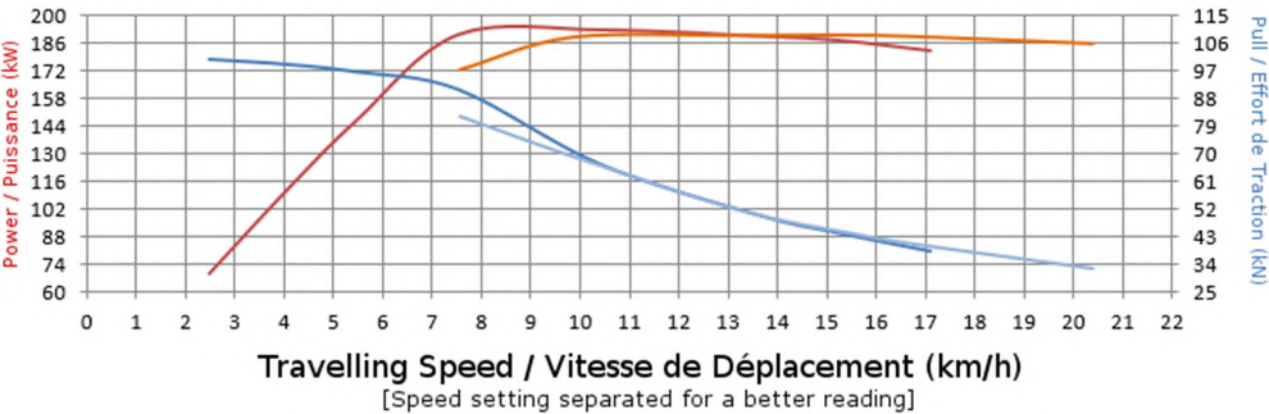


DRAWBAR TEST

Front tyres, Rear tyres	600/65 R34	710/75 R42
Inflation pressure	130 kPa	80 kPa

UNBALLASTED

Total Mass	11190 kg
Maximum drawbar pull	100,7 kN
at speed of	2,48 km/h
Maximum power	192,5 kW
at speed of	10,42 km/h



BALLASTED

Not Applicable