

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 854
OECD Approval Date	12/12/2014
Make	CASE IH
Model	Magnum 370
Type	4 WD
Transmission	CVT
Speed	40 km/h
Manufacturer	CNH Industrial America LLC
Testing Station	NTTL – U.S.A.



SPECIFICATIONS

ENGINE

<i>Make</i>	FPT (Fiat Powertrain)
<i>Model</i>	Cursor 8.7L
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	vertical in line
<i>Capacity</i>	8704 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	CVT
<i>Number of forward and reverse speeds</i>	-
<i>Speed at rated engine speed</i>	from 0 to 42,60 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>	597 min ⁻¹	1124 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	44 mm
<i>Number of splines</i>	6	20

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	262,25 kW	1749 min ⁻¹	983 min ⁻¹
Hourly and specific consumption		69,59 l/h	223 g/kWh
Hourly and specific urea consumption		4,77 l/h	19,8 g/kWh-

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	228,15 kW	2000 min ⁻¹	1124 min ⁻¹
Hourly and specific consumption		62,48 l/h	230 g/kWh
Hourly and specific urea consumption		4,79 l/h	22,8 g/kWh-

Test at standard Power take-off speed

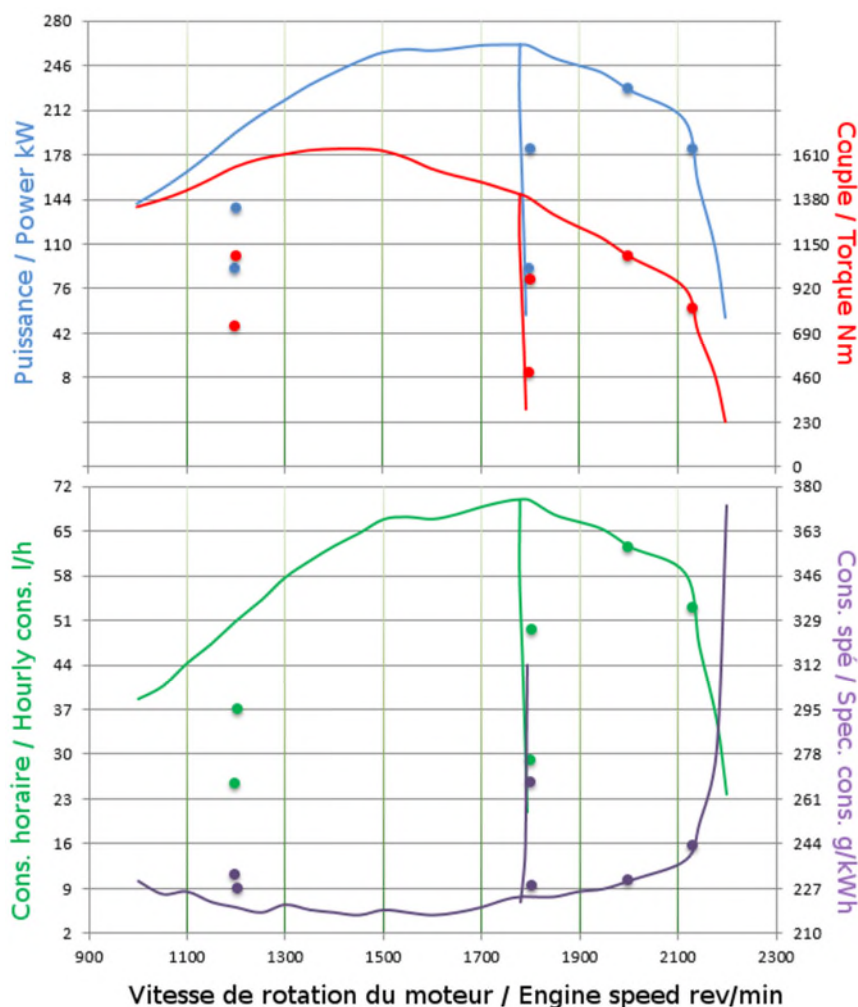
Power, Engine and Power take-off speed	262,07 kW	1779 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		69,79 l/h	223 g/kWh
Hourly and specific urea consumption		4,78 l/h	19,8 g/kWh-

Torque rise

50,7 %

Maximum torque, Engine speed corresponding

1641,5 Nm

1450 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):

20,65 ± 0,75 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	162,6 l/min	16,04 MPa	43,5 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	152,2 l/min	19,58 MPa	49,7 kW

POWER LIFT

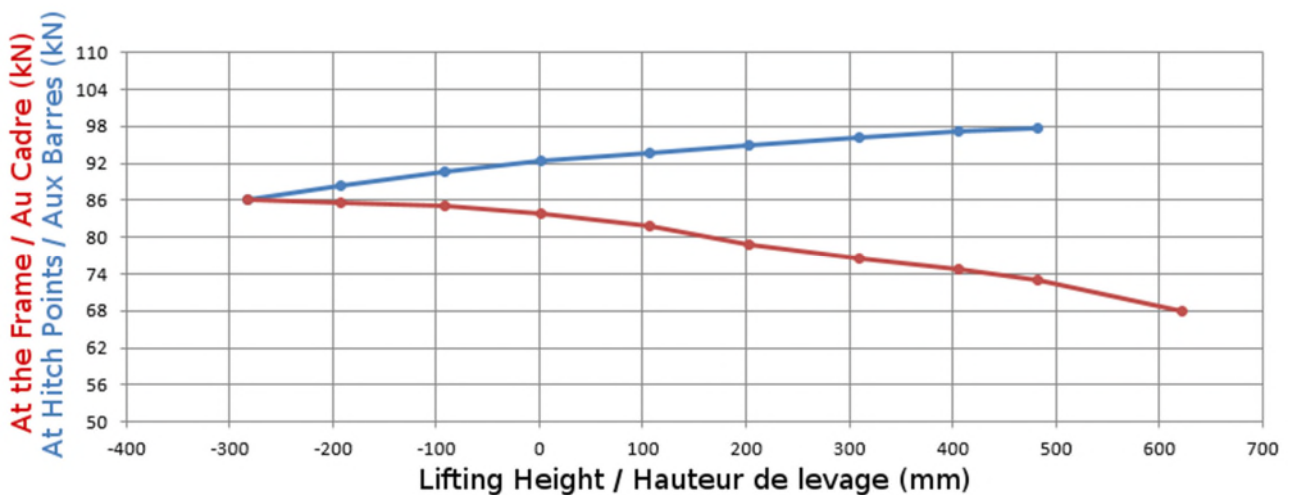
Maximum lifting force

at the hitch points

86,1 kN

at the frame

67,9 kN

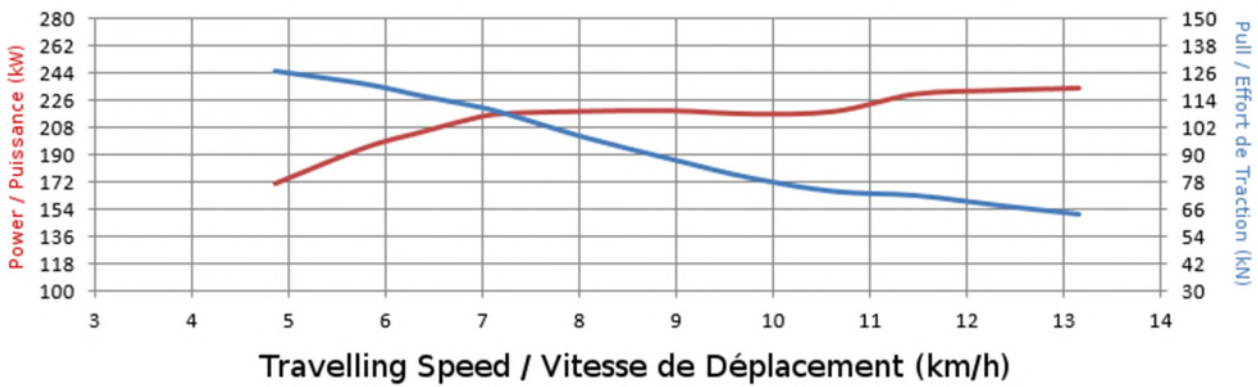


DRAWBAR TEST

Front tyres, Rear tyres	420/90 R30	520/85 R42
Inflation pressure	83 kPa	159 kPa

UNBALLASTED

Total Mass	13687 kg
Maximum drawbar pull	126,7 kN
at speed of	4,86 km/h
Maximum power	233,88 kW
at speed of	13,16 km/h



BALLASTED

Total Mass	17925 kg
Maximum drawbar pull	170,71 kN
at speed of	3,26 km/h
Maximum power	233,06 kW
at speed of	13,20 km/h

