

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number

2/2 979

OECD Approval Date

05/09/2016

Make	Case IH
Model	Magnum 280
Make	New Holland
Model	T8.350

Type

4 WD

Transmission

Full Power Shift

Speed

40 km/h

Manufacturer

CNH Industrial LLC

Testing Station

NTTL – USA



SPECIFICATIONS

ENGINE

<i>Make</i>	FIAT Powertrain (FPT)
<i>Model</i>	Cursor 9L
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	in line
<i>Capacity</i>	8704 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	Full Power Shift
<i>Number of forward and reverse speeds</i>	19 4
<i>Speed at rated engine speed</i>	from 3,32 to 42,00 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	1803 min ⁻¹
<i>Diameter of the shaft</i>	34,9 mm	34,9 mm
<i>Number of splines</i>	6	21

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	221,15 kW	1800 min ⁻¹	998 min ⁻¹
Hourly and specific consumption		57,23 l/h	217 g/kWh
Hourly and specific urea consumption		5,90 l/h	29,0 g/kWh

Test at maximum power at rated engine speed

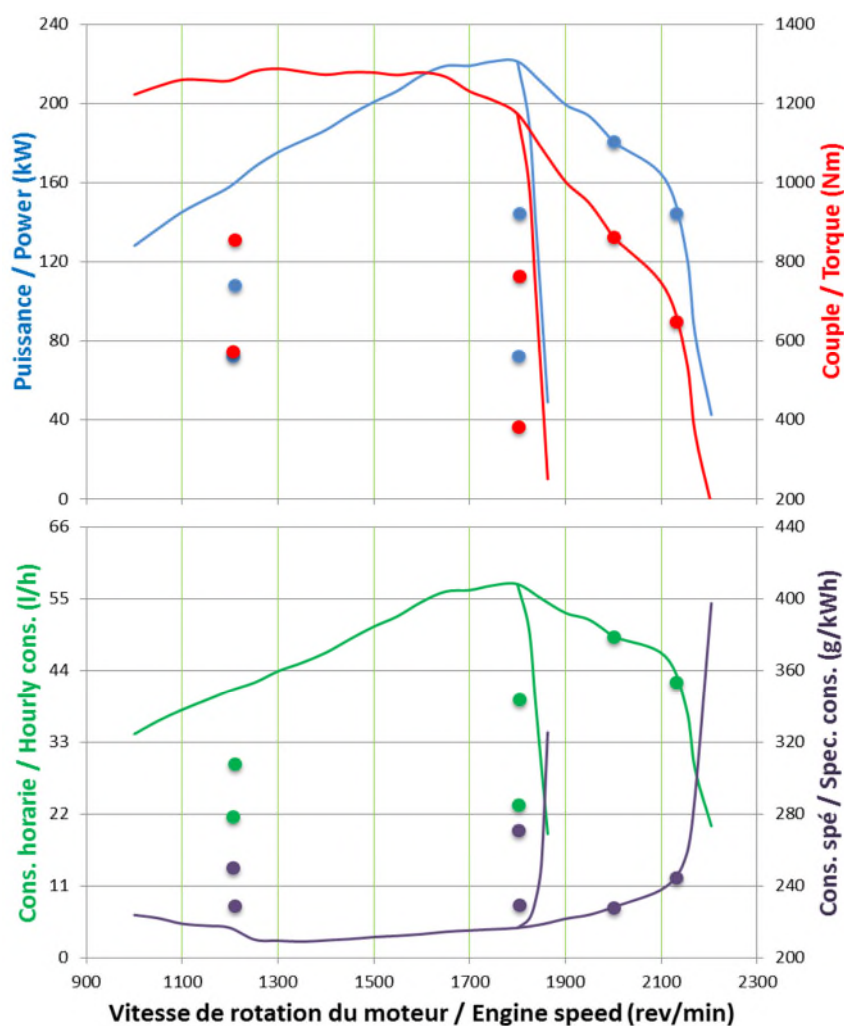
Power, Engine and Power take-off speed	180,52 kW	2000 min ⁻¹	1109 min ⁻¹
Hourly and specific consumption		49,18 l/h	228 g/kWh
Hourly and specific urea consumption		4,47 l/h	26,9 g/kWh

Test at standard Power take-off speed

Power, Engine and Power take-off speed	221,15 kW	1800 min ⁻¹	998 min ⁻¹
Hourly and specific consumption		57,23 l/h	217 g/kWh
Hourly and specific urea consumption		5,90 l/h	29,0 g/kWh

Torque rise

<u>Maximum torque, Engine speed corresponding</u>	1287 Nm	1300 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):

19,3 to 21,4 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	139,9 l/min	15,28 MPa	34,9 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	218,8 l/min	16,03 MPa	58,5 kW

POWER LIFT

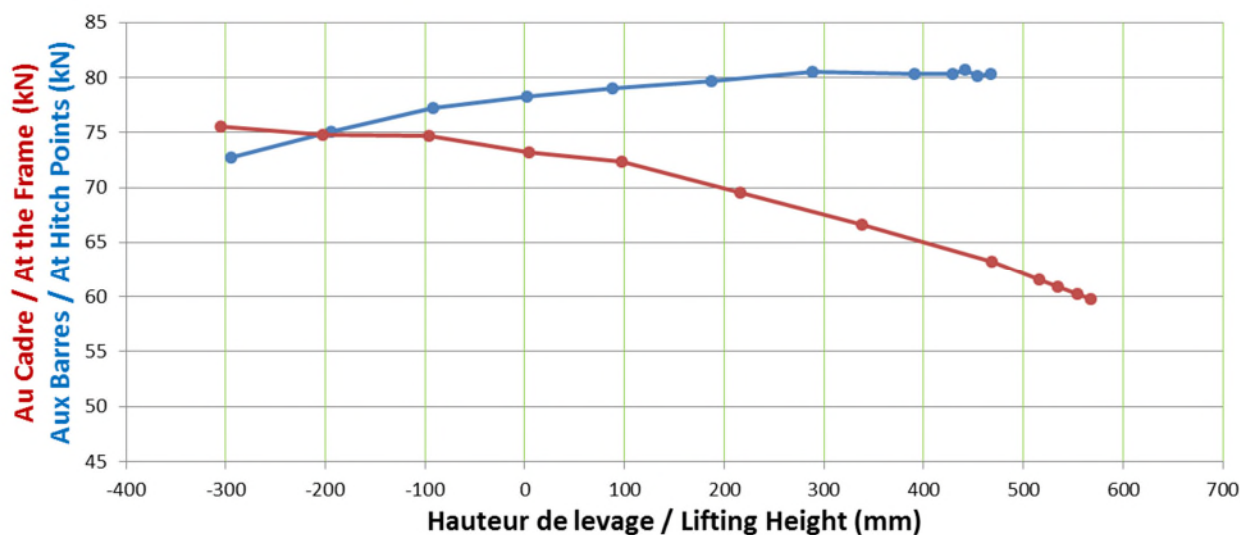
Maximum lifting force

at the hitch points

72,7 kN

at the frame

59,8 kN

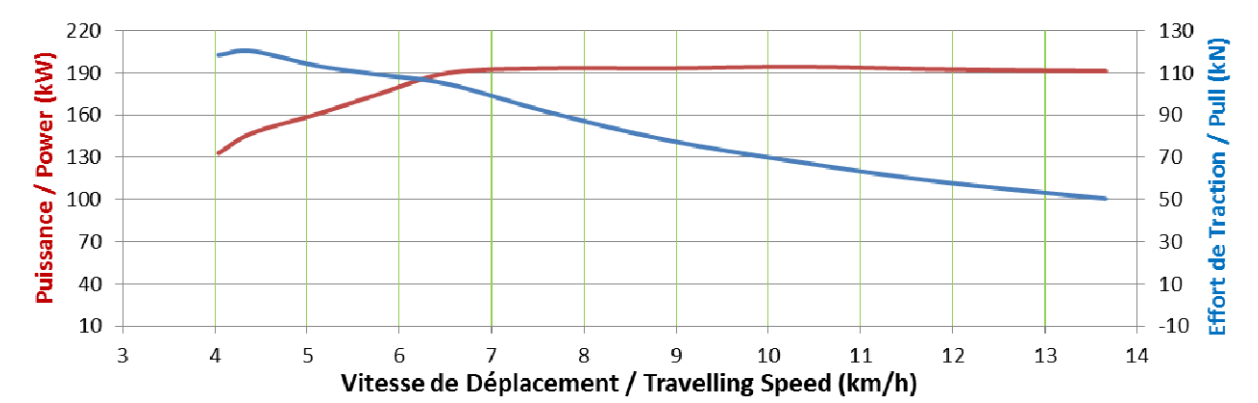


DRAWBAR TEST

Front tyres, Rear tyres	420/85R34	480/80R50
Inflation pressure	159 kPa	83 kPa

UNBALLASTED

Total Mass	12492 kg
Maximum drawbar pull	120,20 kN
at speed of	4,40 km/h
Maximum power	194,24 kW
at speed of	10,30 km/h



BALLASTED

Not applicable