

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 986
OECD Approval Date	22/09/2016
Make	CASE IH
Model	OPTUM 270 CVX
Type	4 WD
Transmission	Continuously variable transmission
Speed	50 km/h
Manufacturer	CNH Industrial Europe Holding S.A.
Testing Station	DLG – Germany



SPECIFICATIONS

ENGINE

<i>Make</i>	FPT Industrial
<i>Model</i>	F4DFE617L*B
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	vertical in line
<i>Capacity</i>	6728 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 52 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>		1133 min ⁻¹
<i>Diameter of the shaft</i>	Not	45 mm
<i>Number of splines</i>	Available	21

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	201,44 kW	1800 min ⁻¹	971 min ⁻¹
Hourly and specific consumption		51,57 l/h	214 g/kWh
Hourly and specific urea consumption		3,94 l/h	21,5 g/kWh-

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	183,79 kW	2100 min ⁻¹	1133 min ⁻¹
Hourly and specific consumption		48,47 l/h	220 g/kWh
Hourly and specific urea consumption		3,76 l/h	22,5 g/kWh-

Test at standard Power take-off speed

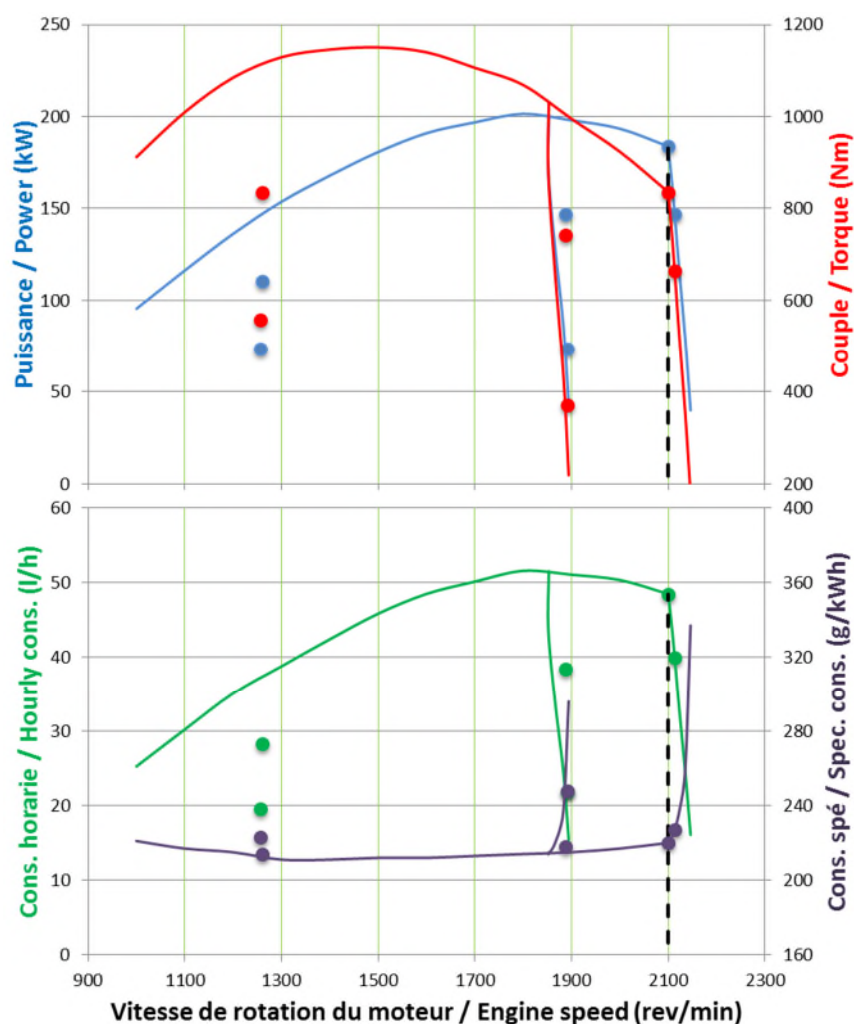
Power, Engine and Power take-off speed	200,0 kW	1853 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		51,5 l/h	215 g/kWh
Hourly and specific urea consumption		3,82 l/h	21 g/kWh-

Torque rise

37,7 %

Maximum torque, Engine speed corresponding

1150,53 Nm

1500 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 ± 0,5 MPa

 HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	149,1 l/min	15,0 MPa	37,2 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	108,8 l/min	18,3 MPa	33,3 kW

 POWER LIFT

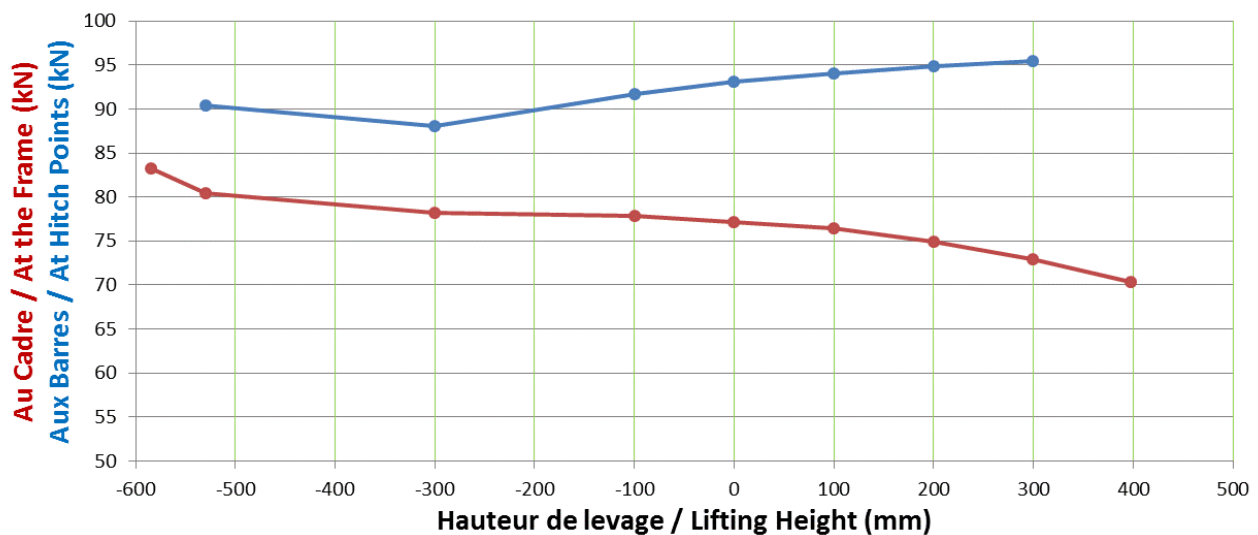
Maximum lifting force

at the hitch points

88,1 kN

at the frame

70,3 kN

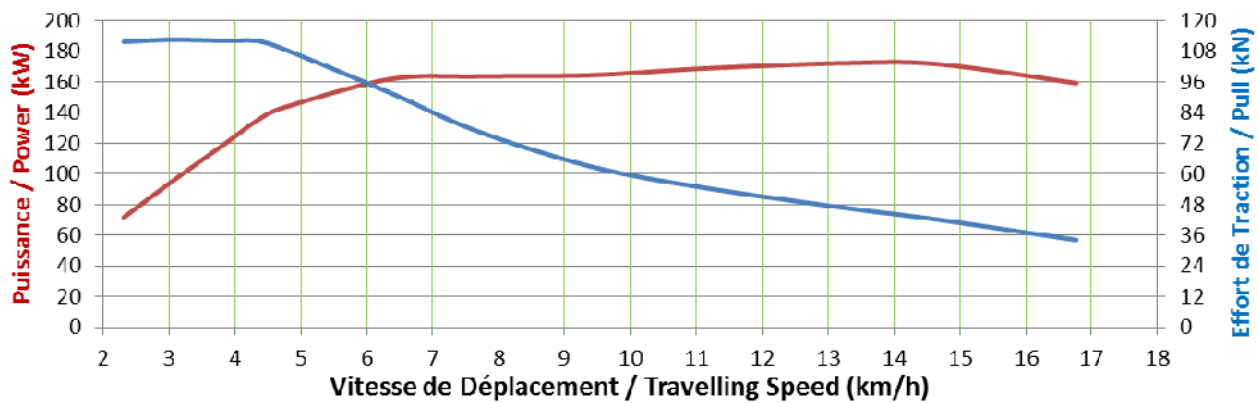


DRAWBAR TEST

Front tyres, Rear tyres	IF650/60 R34	IF710/75 R42
Inflation pressure	80 kPa	80 kPa

UNBALLASTED

Total Mass	11500 kg
Maximum drawbar pull	112,52 kN
at speed of	3,04 km/h
Maximum power	172,2 kW
at speed of	13,23 km/h



BALLASTED

Not available