

## OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

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<b>OECD Approval Number</b>	<b>2/2 985</b>
<b>OECD Approval Date</b>	<b>22/09/2016</b>
<b>Make</b>	<b>CASE IH</b>
<b>Model</b>	<b>OPTUM 300 CVX</b>
<b>Type</b>	<b>4 WD</b>
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 <sup>3</sup>
<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<sup>-1</sup></u>	<u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>		1133 min <sup>-1</sup>
<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	216,83 kW	1800 min <sup>-1</sup>	971 min <sup>-1</sup>
Hourly and specific consumption		56,01 l/h	217 g/kWh
Hourly and specific urea consumption		4,08 l/h	20,7 g/kWh-

### Test at maximum power at rated engine speed

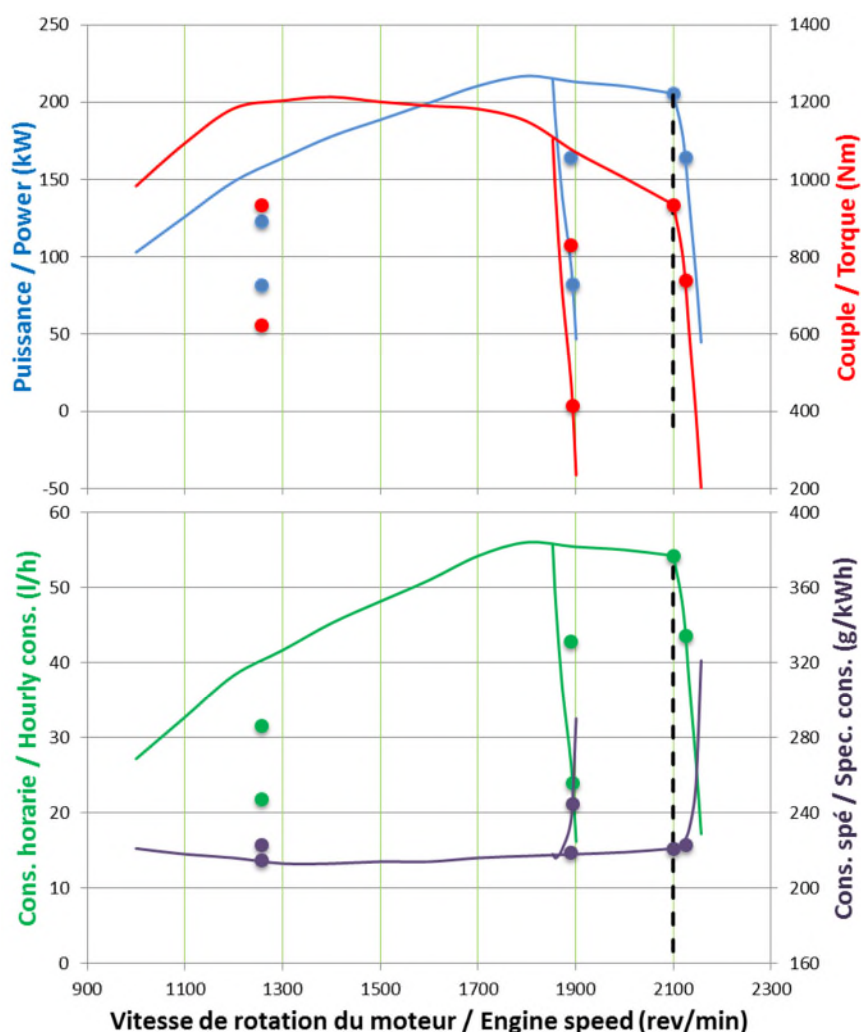
Power, Engine and Power take-off speed	205,62 kW	2100 min <sup>-1</sup>	1133 min <sup>-1</sup>
Hourly and specific consumption		54,23 l/h	221 g/kWh
Hourly and specific urea consumption		3,9 l/h	20,8 g/kWh-

### Test at standard Power take-off speed

Power, Engine and Power take-off speed	214,3 kW	1853 min <sup>-1</sup>	1000 min <sup>-1</sup>
Hourly and specific consumption		55,7 l/h	218 g/kWh
Hourly and specific urea consumption		4,02 l/h	20,6 g/kWh-

### Torque rise

Maximum torque, Engine speed corresponding	1213,23 Nm	29,8 %	1400 min <sup>-1</sup>
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 PARTICULATE FILTER ACTIVE REGENERATION FUEL USE
 

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*Not Applicable*

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 HYDRAULIC PERFORMANCE AND POWER LIFT TEST
 

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Hydraulic system

closed centre

Relief valve pressure setting (tolerance):

21 ± 0,5 MPa

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 HYDRAULIC PERFORMANCES
 

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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

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 POWER LIFT
 

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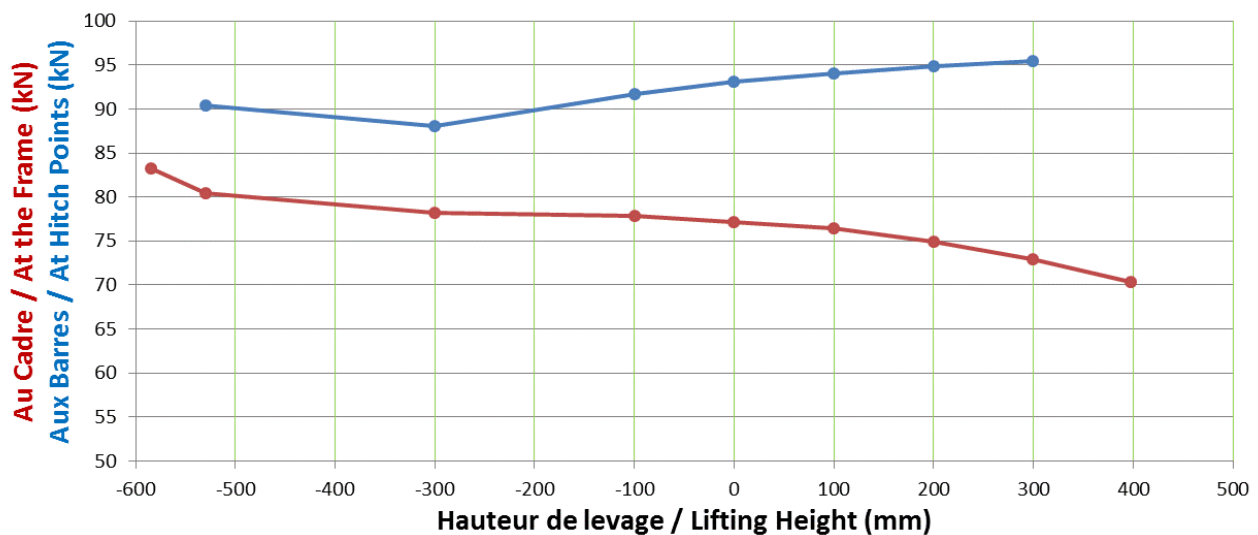
Maximum lifting force

at the hitch points

88,1 kN

at the frame

70,3 kN

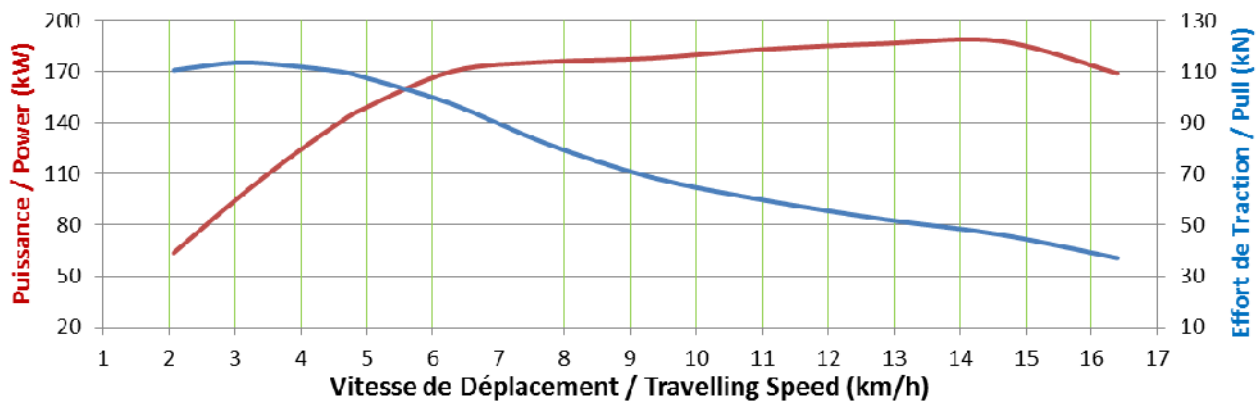


DRAWBAR TEST

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

UNBALLASTED

Total Mass	11500 kg
Maximum drawbar pull	113,56 kN
at speed of	3,02 km/h
Maximum power	187,9 kW
at speed of	14,62 km/h



BALLASTED

Not available