

# OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

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<b>OECD Approval Number</b>	<b>2/2 971/1</b>
<b>OECD Approval Date</b>	<b>06/12/2016</b>
<b>Make</b>	<b>CASE IH</b>
<b>Model</b>	<b>PUMA 165 CVT</b>
<b>Type</b>	<b>4 WD</b>
<b>Transmission</b>	Continuously variable transmission
<b>Speed</b>	50 km/h
<b>Manufacturer</b>	CNH Industrial Europe Holding S.A.
<b>Testing Station</b>	BLT – Austria



## SPECIFICATIONS

### ENGINE

<i>Make</i>	FTP Industrial
<i>Model</i>	F4DFE613M*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>	2	1
<i>Speed at rated engine speed</i>	from 0	to 47,30 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>	603 min <sup>-1</sup>	1141 min <sup>-1</sup>
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

## PTO TEST RESULTS

### One hour test at maximum power

Power, Engine and Power take-off speed	113,5 kW	1800 min <sup>-1</sup>	933 min <sup>-1</sup>
Hourly and specific consumption		31,91 l/h	234 g/kWh
Hourly and specific urea consumption		-	-

### Test at maximum power at rated engine speed

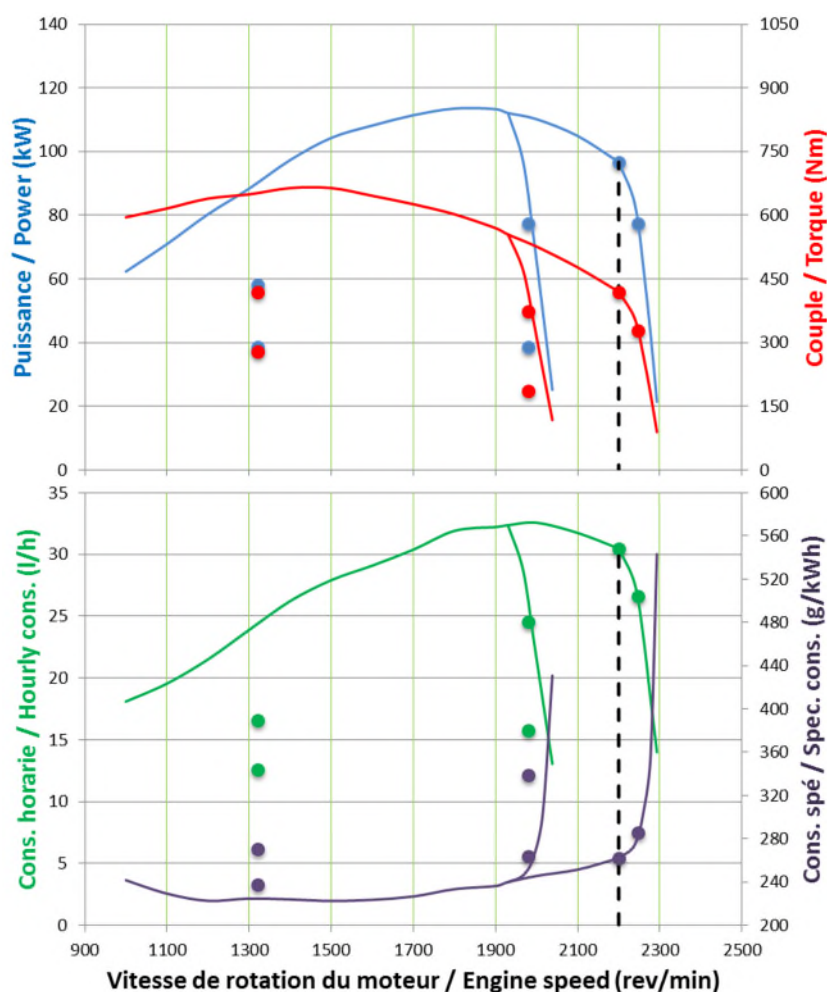
Power, Engine and Power take-off speed	96,7 kW	2200 min <sup>-1</sup>	1140 min <sup>-1</sup>
Hourly and specific consumption		30,48 l/h	262 g/kWh
Hourly and specific urea consumption		-	-

### Test at standard Power take-off speed

Power, Engine and Power take-off speed	112, kW	1930 min <sup>-1</sup>	1000 min <sup>-1</sup>
Hourly and specific consumption		32,36 l/h	240 g/kWh
Hourly and specific urea consumption		-	-

### Torque rise

Maximum torque, Engine speed corresponding	664,0 Nm	1500 min <sup>-1</sup>	58,3 %
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## POWERBOOST - PTO TEST RESULTS

### One hour test at maximum power

Power, Engine and Power take-off speed	-	-	-
Hourly and specific consumption	-	-	-
Hourly and specific urea consumption	-	-	-

### Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	115,7 kW	2200 min <sup>-1</sup>	1140 min <sup>-1</sup>
Hourly and specific consumption		35,13 l/h	252 g/kWh
Hourly and specific urea consumption		-	-

### Test at standard Power take-off speed

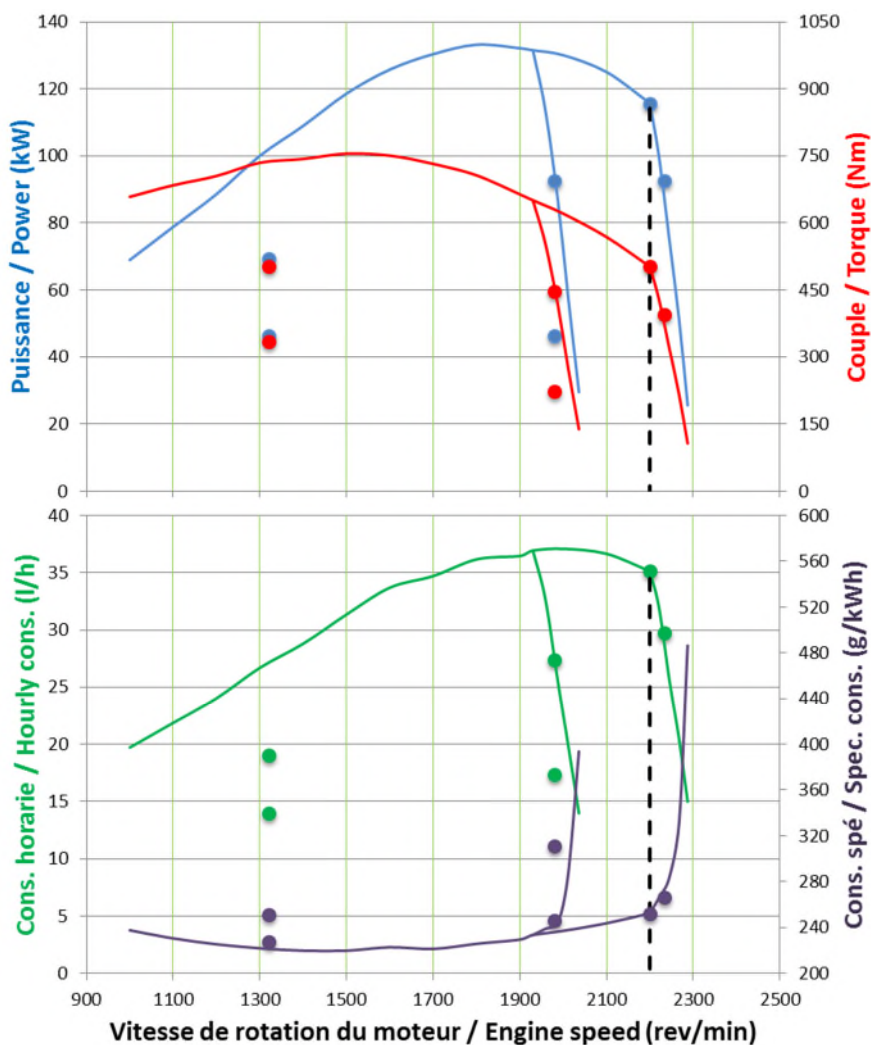
Power, Engine and Power take-off speed	131,5 kW	1930 min <sup>-1</sup>	1000 min <sup>-1</sup>
Hourly and specific consumption		36,93 l/h	234 g/kWh
Hourly and specific urea consumption		-	-

### Torque rise

50,3 %

### Maximum torque, Engine speed corresponding

755,0 Nm

1500 min<sup>-1</sup>

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## PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

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*Not available*

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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 ± 0,5 MPa

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### HYDRAULIC PERFORMANCES

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#### At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	93,5 l/min	17,0 MPa	26,5 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	113,2 l/min	17,0 MPa	32,1 kW

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### POWER LIFT

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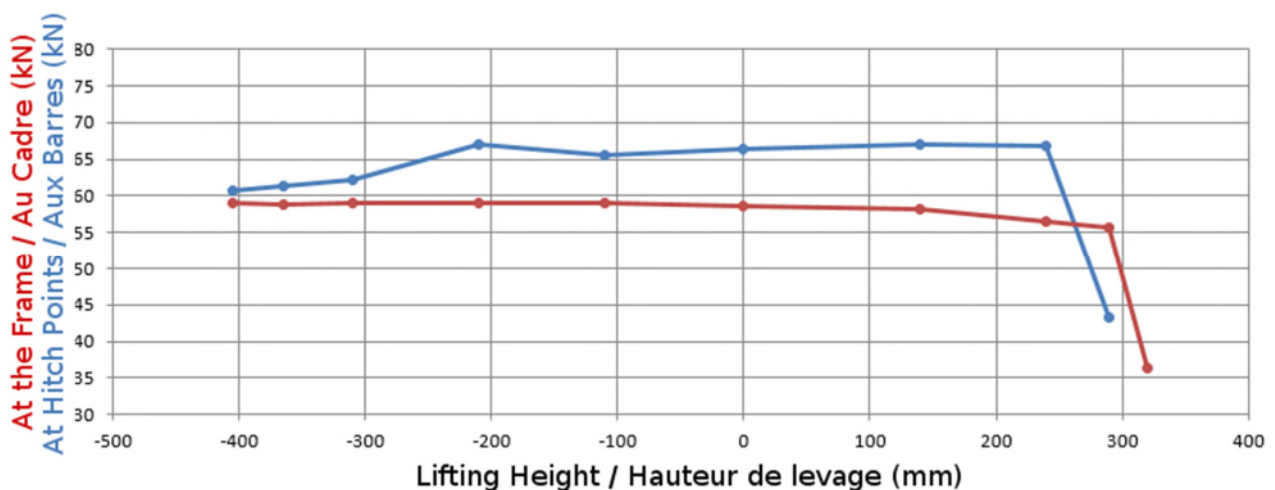
#### Maximum lifting force

at the hitch points

43,3 kN

at the frame

36,4 kN

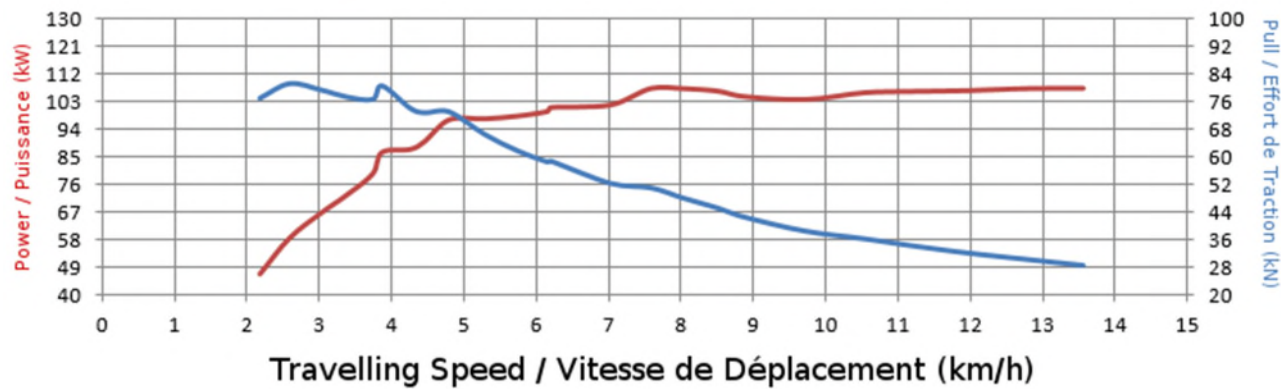


DRAWBAR TEST

Front tyres, Rear tyres	420/85 R 28	520/85 R 38
Inflation pressure	110 kPa	110 kPa

UNBALLASTED

Total Mass	7105 kg
Maximum drawbar pull	67,41 kN
at speed of	2,60 km/h
Maximum power	94,94 kW
at speed of	10,40 km/h



BALLASTED

Not available