

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

| | |
|-----------------------------|------------------------------------|
| OECD Approval Number | 2/2 957 |
| OECD Approval Date | 06/07/2016 |
| Make | CASE IH |
| Model | Puma 185 CVT |
| Type | 4 WD |
| Transmission | Continuously variable transmission |
| Speed | 50 km/h |
| Manufacturer | CNH Industrial Europe Holding S.A. |
| Testing Station | BLT – Austria |



SPECIFICATIONS

ENGINE

| | |
|----------------------|----------------------|
| <i>Make</i> | FTP Industrial |
| <i>Model</i> | F4DFE613K*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> | 4 2 |
| <i>Speed at rated engine speed</i> | from 0 to 49,9 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> | 609 min ⁻¹ | 1162 min ⁻¹ |
| <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 | 129,4 kW | 1800 min ⁻¹ | 951 min ⁻¹ |
| Hourly and specific consumption | | 35,83 l/h | 229 g/kWh |
| Hourly and specific urea consumption | | 2,88 l/h | 24,0 g/kWh |

Test at maximum power at rated engine speed

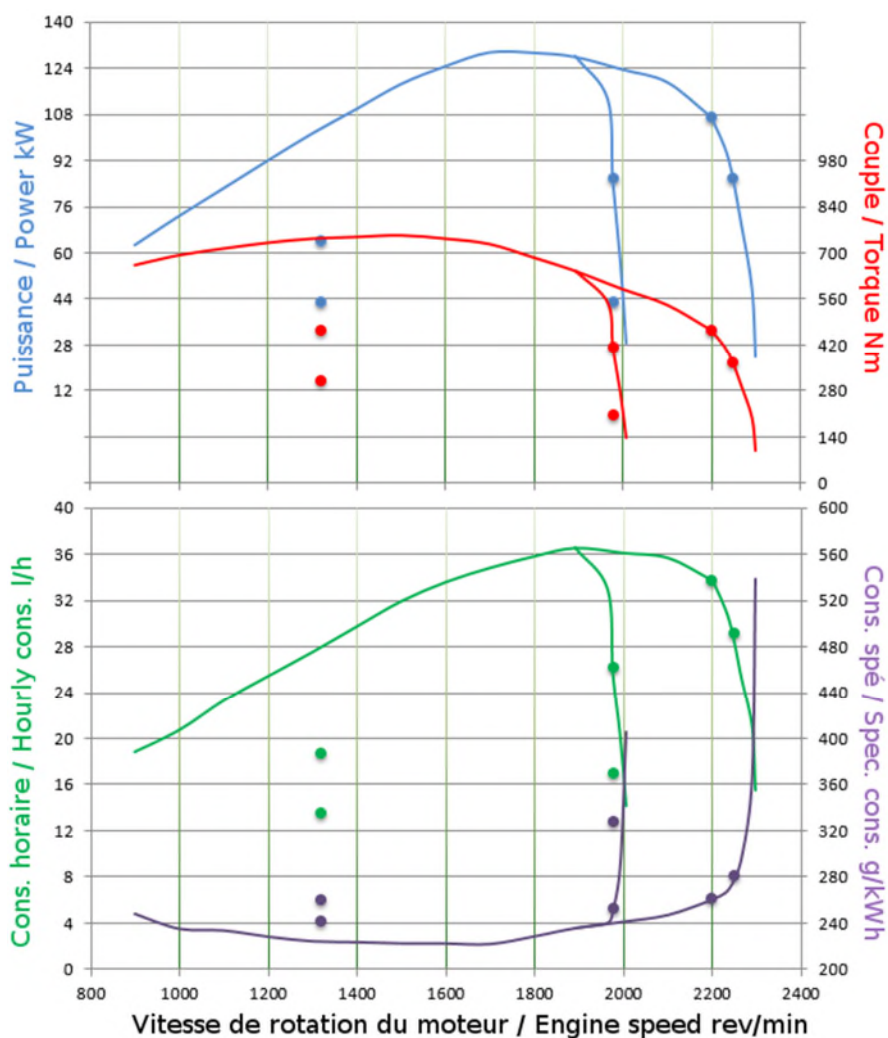
| | | | |
|--|----------|------------------------|------------------------|
| Power, Engine and Power take-off speed | 107,0 kW | 2200 min ⁻¹ | 1163 min ⁻¹ |
| Hourly and specific consumption | | 33,71 l/h | 261 g/kWh |
| Hourly and specific urea consumption | | 2,49 l/h | 25,2 g/kWh |

Test at standard Power take-off speed

| | | | |
|--|----------|------------------------|------------------------|
| Power, Engine and Power take-off speed | 128,0 kW | 1892 min ⁻¹ | 1000 min ⁻¹ |
| Hourly and specific consumption | | 36,53 l/h | 236 g/kWh |
| Hourly and specific urea consumption | | 2,85 l/h | 24,0 g/kWh |

Torque rise

| | | | |
|--|----------|------------------------|--------|
| Maximum torque, Engine speed corresponding | 754,6 Nm | 1500 min ⁻¹ | 62,5 % |
|--|----------|------------------------|--------|



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

121,6 kW

2200 min⁻¹1163 min⁻¹

Hourly and specific consumption

36,39 l/h

247 g/kWh

Hourly and specific urea consumption

2,91 l/h

25,8 g/kWh

Test at standard Power take-off speed

Power, Engine and Power take-off speed

142,0 kW

1892 min⁻¹1000 min⁻¹

Hourly and specific consumption

39,94 l/h

232 g/kWh

Hourly and specific urea consumption

3,26 l/h

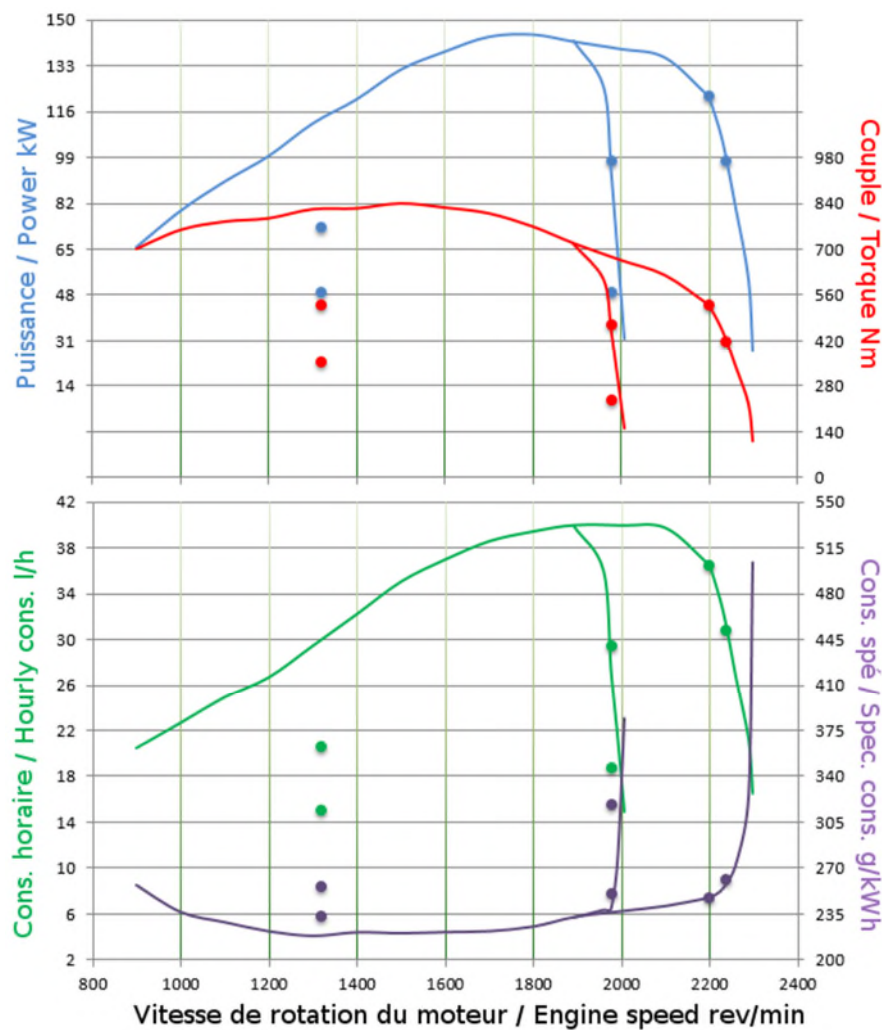
24,7 g/kWh

Torque rise

58,7 %

Maximum torque, Engine speed corresponding

837,8 Nm

1500 min⁻¹

PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

Not available

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system

closed centre

Relief valve pressure setting (tolerance):

21,0 ± 0,5 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

| | | | |
|---|-------------|----------|---------|
| Flow rate, Pressure, Power (couplers: 1 pair) | 113,4 l/min | 17,0 MPa | 32,1 kW |
| Flow rate, Pressure, Power (couplers: 2 pairs or +) | 129,4 l/min | 17,0 MPa | 36,7 kW |

POWER LIFT

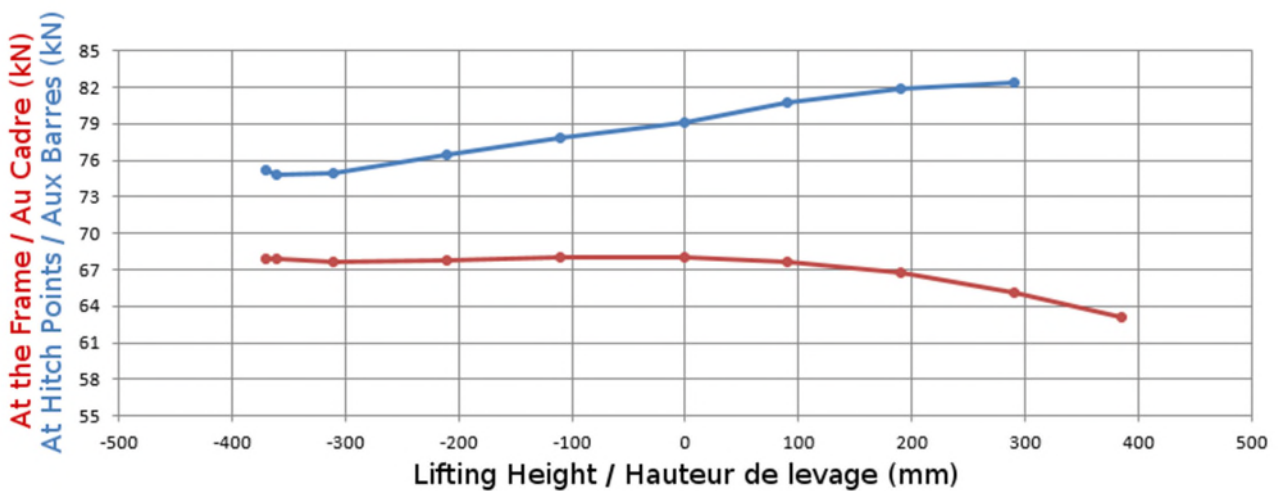
Maximum lifting force

at the hitch points

74,8 kN

at the frame

63,1 kN

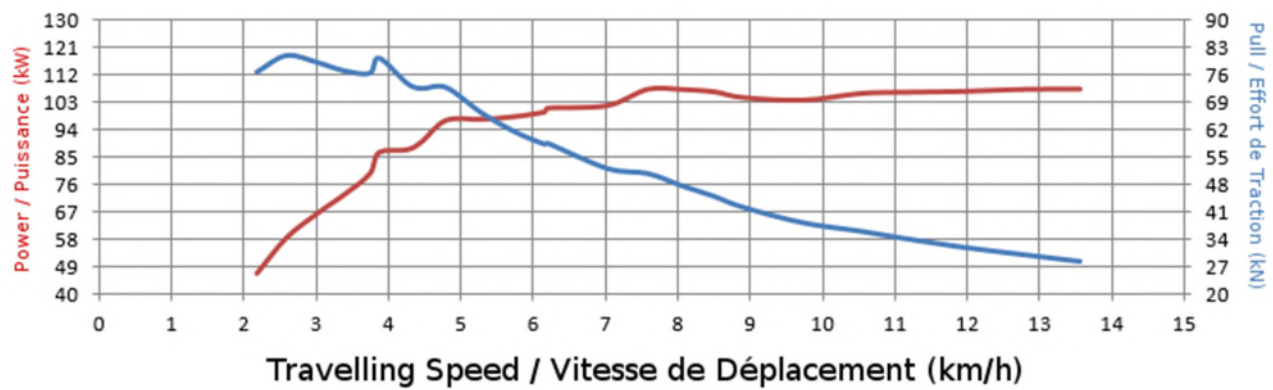


DRAWBAR TEST

| | | |
|-------------------------|---------------|---------------|
| Front tyres, Rear tyres | VF600/60 R 30 | VF710/60 R 42 |
| Inflation pressure | 110 kPa | 110 kPa |

UNBALLASTED

| | |
|----------------------|------------|
| Total Mass | 8815 kg |
| Maximum drawbar pull | 81,01 kN |
| at speed of | 2,59 km/h |
| Maximum power | 107,43 kW |
| at speed of | 13,57 km/h |



BALLASTED

Not available