

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 962
OECD Approval Date	12/07/2016
Make	CASE IH
Model	Puma 220 CVT
Type	4 WD
Transmission	Continuously variable transmission
Speed	40 km/h
Manufacturer	CNH Industrial Europe Holding S.A.
Testing Station	BLT – Austria



SPECIFICATIONS

ENGINE

<i>Make</i>	FTP Industrial	
<i>Model</i>	F4DFE613B*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 49,90 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	156,3 kW	1803 min ⁻¹	953 min ⁻¹
Hourly and specific consumption		42,5 l/h	225 g/kWh
Hourly and specific urea consumption		3,37 l/h	23,2 g/kWh

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	138,1 kW	2200 min ⁻¹	1163 min ⁻¹
Hourly and specific consumption		40,391 l/h	242 g/kWh
Hourly and specific urea consumption		3,19 l/h	24,9 g/kWh

Test at standard Power take-off speed

Power, Engine and Power take-off speed	153,5 kW	1892 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		42,23 l/h	228 g/kWh
Hourly and specific urea consumption		3,49 l/h	24,4 g/kWh

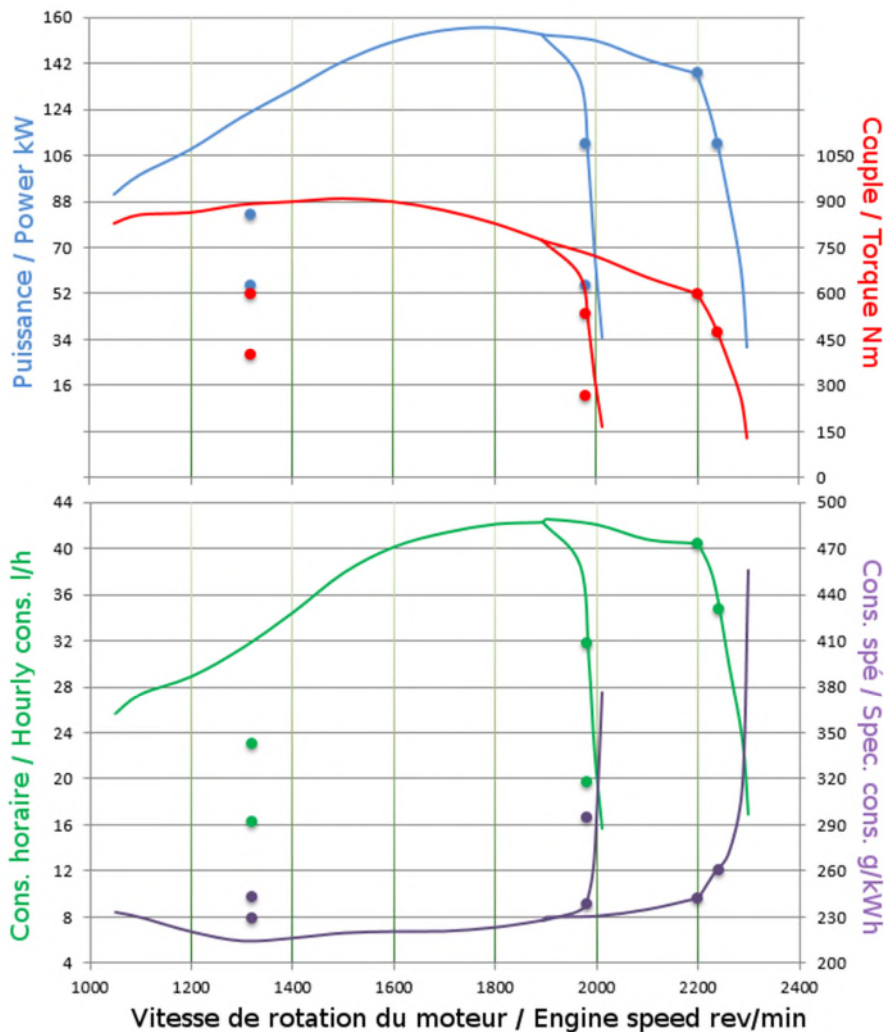
Torque rise

51,5 %

Maximum torque, Engine speed corresponding

908,5 Nm

1500 min⁻¹



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	-	-	-

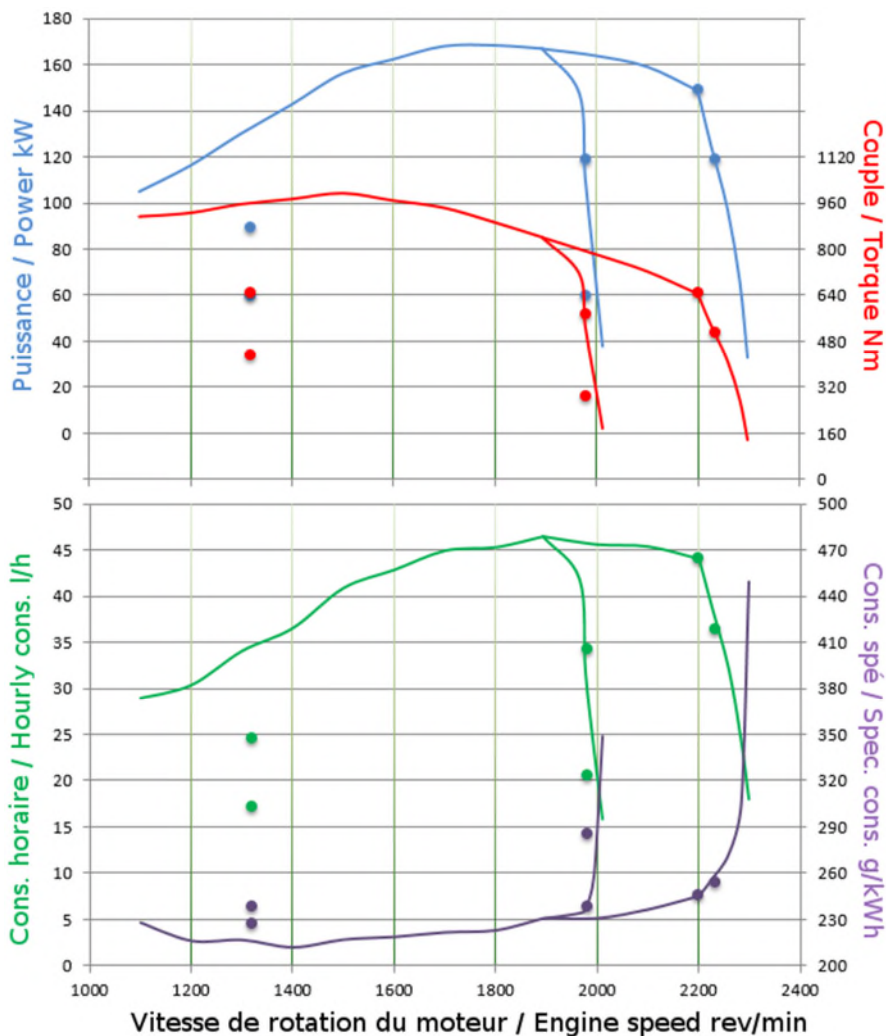
Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	148,8 kW	2200 min ⁻¹	1163 min ⁻¹
Hourly and specific consumption		44,07 l/h	245 g/kWh
Hourly and specific urea consumption		3,43 l/h	24,8 g/kWh

Test at standard Power take-off speed

Power, Engine and Power take-off speed	167,0 kW	1892 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		46,47 l/h	231 g/kWh
Hourly and specific urea consumption		3,62 l/h	23,3 g/kWh

<u>Torque rise</u>			53,9 %
<u>Maximum torque, Engine speed corresponding</u>		994,3 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

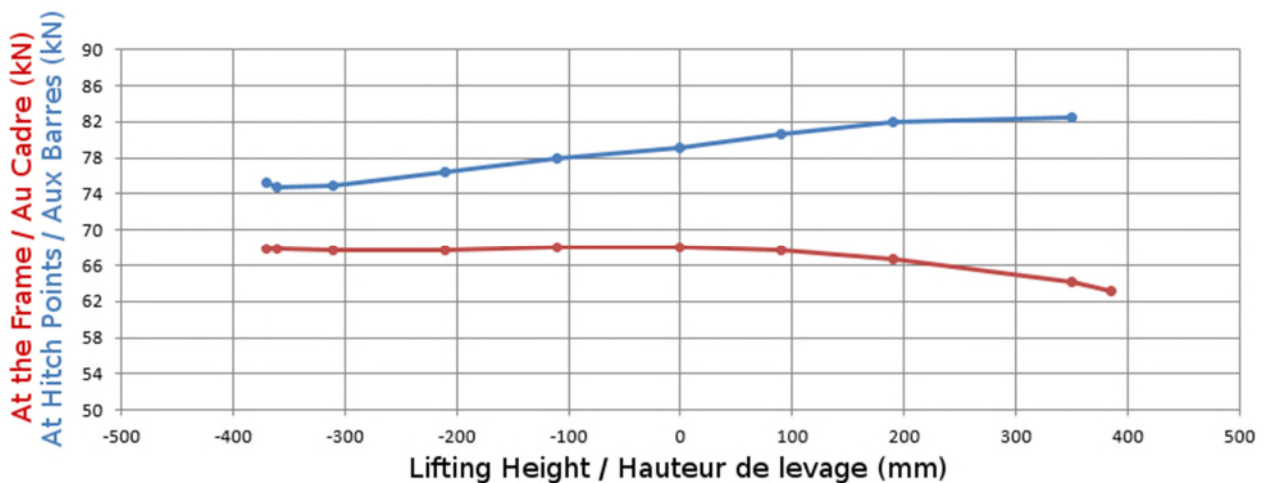
At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	103,0 l/min	17,0 MPa	29,2 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

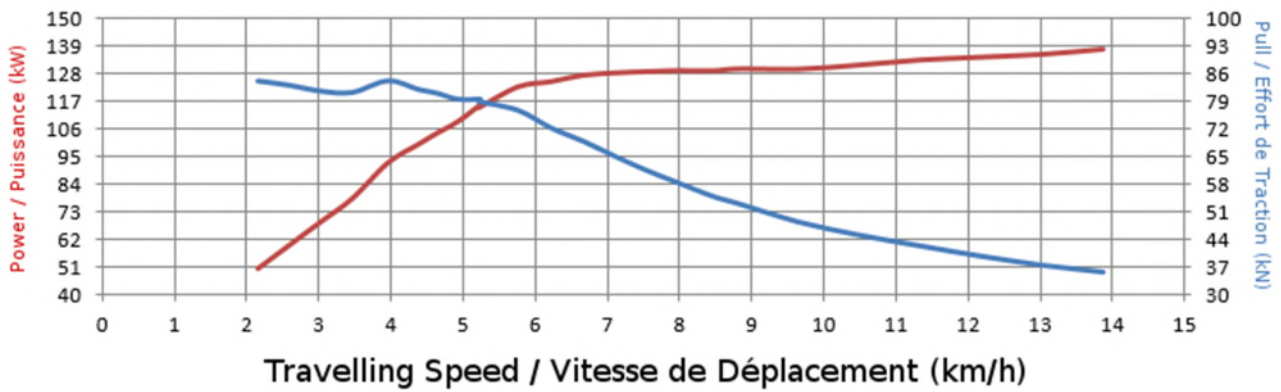


DRAWBAR TEST

Front tyres, Rear tyres	600/65 R 28	710/70 R 38
Inflation pressure	110 kPa	110 kPa

UNBALLASTED

Total Mass	8815 kg
Maximum drawbar pull	84,30 kN
at speed of	3,96 km/h
Maximum power	137,97 kW
at speed of	13,86 km/h



BALLASTED

Not available