OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	**2/2 960**
OECD Approval Date	**11/07/2016**
Make	**CASE IH**
Model	**PUMA 175 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

Make	FTP Industrial
Model	F4DFE613M*B
Type	Direct injection
Supercharging	Yes
Cylinders	6
Disposition	vertical in line
Capacity	6728 cm^3
Cooling	Liquid

TRANSMISSION

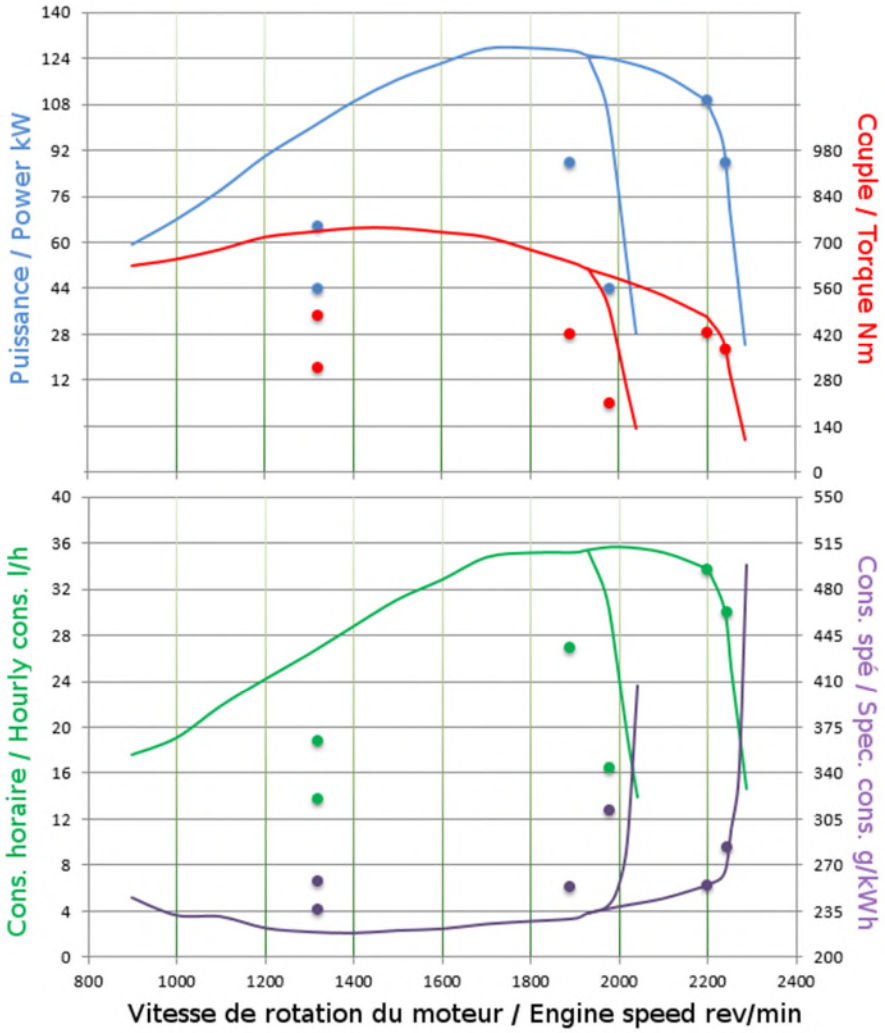
Gear box		CVT
Number of forward and reverse speeds	2	1
Speed at rated engine speed	from 0	to 47,3 km/h

POWER TAKE-OFF SPECIFICATIONS

Standard Power take-off speed	540 min^{-1}	1000 min^{-1}
Power take-off speed at rated engine speed	603 min^{-1}	1141 min^{-1}
Diameter of the shaft	35 mm	35 mm
Number of splines	6	21

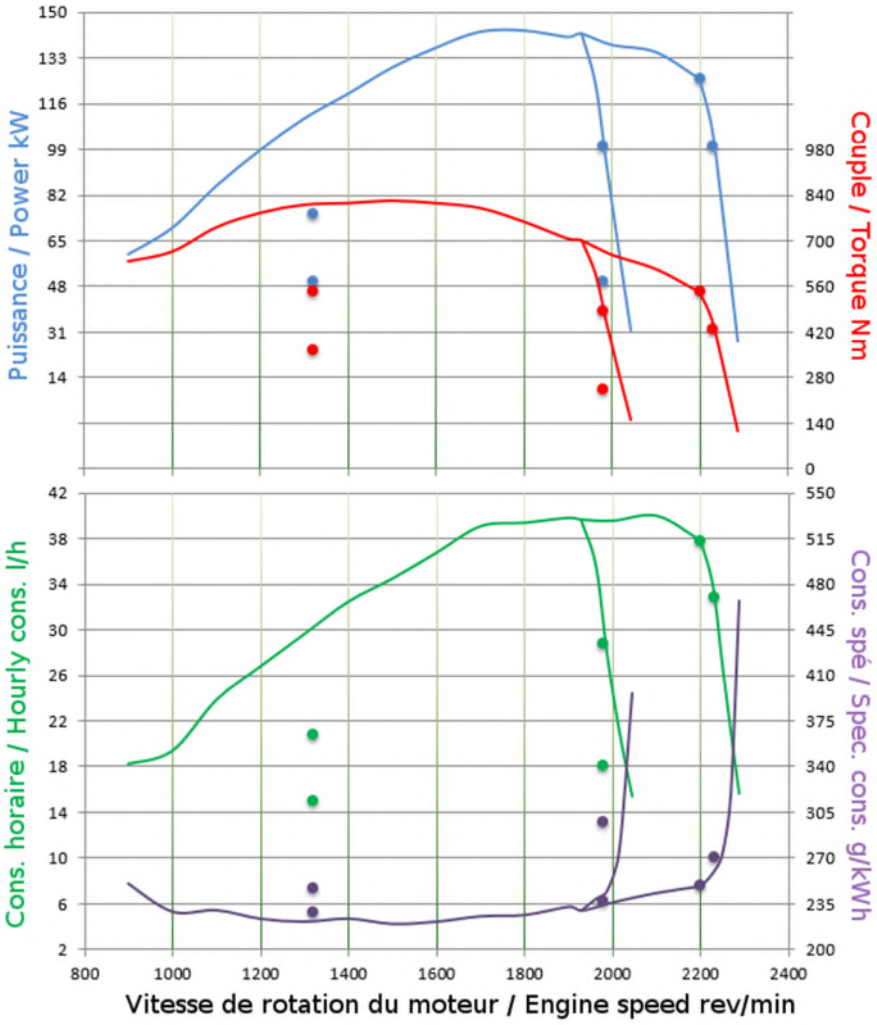
PTO TEST RESULTS

<u>One hour test at maximum power</u>			
Power, Engine and Power take-off speed	127,5 kW	1799 min^{-1}	932 min^{-1}
Hourly and specific consumption		35,05 l/h	226 g/kWh
Hourly and specific urea consumption		2,69 l/h	22,8 g/kWh
<u>Test at maximum power at rated engine speed</u>			
Power, Engine and Power take-off speed	109,2 kW	2200 min^{-1}	1140 min^{-1}
Hourly and specific consumption		33,70 l/h	255 g/kWh
Hourly and specific urea consumption		2,48 l/h	24,5 g/kWh
<u>Test at standard Power take-off speed</u>			
Power, Engine and Power take-off speed	125,0 kW	1930 min^{-1}	1000 min^{-1}
Hourly and specific consumption		35,36 l/h	233 g/kWh
Hourly and specific urea consumption		2,73 l/h	23,5 g/kWh
<u>Torque rise</u>			56,6 %
<u>Maximum torque, Engine speed corresponding</u>		742,2 Nm	1500 min^{-1}



POWERBOOST - PTO TEST RESULTS

<u>One hour test at maximum power</u>			
Power, Engine and Power take-off speed	-	-	-
Hourly and specific consumption	-	-	-
Hourly and specific urea consumption	-	-	-
<u>Test at maximum power at rated engine speed</u>			
Power, Engine and Power take-off speed	125,2 kW	2200 min^{-1}	1140 min^{-1}
Hourly and specific consumption		37,76 l/h	249 g/kWh
Hourly and specific urea consumption		2,81 l/h	24,2 g/kWh
<u>Test at standard Power take-off speed</u>			
Power, Engine and Power take-off speed	142,0 kW	1930 min^{-1}	1000 min^{-1}
Hourly and specific consumption		39,61 l/h	230 g/kWh
Hourly and specific urea consumption		2,88 l/h	21,9 g/kWh
<u>Torque rise</u>			51,6 %
<u>Maximum torque, Engine speed corresponding</u>		823,8 Nm	1500 min^{-1}



PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

Not available

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

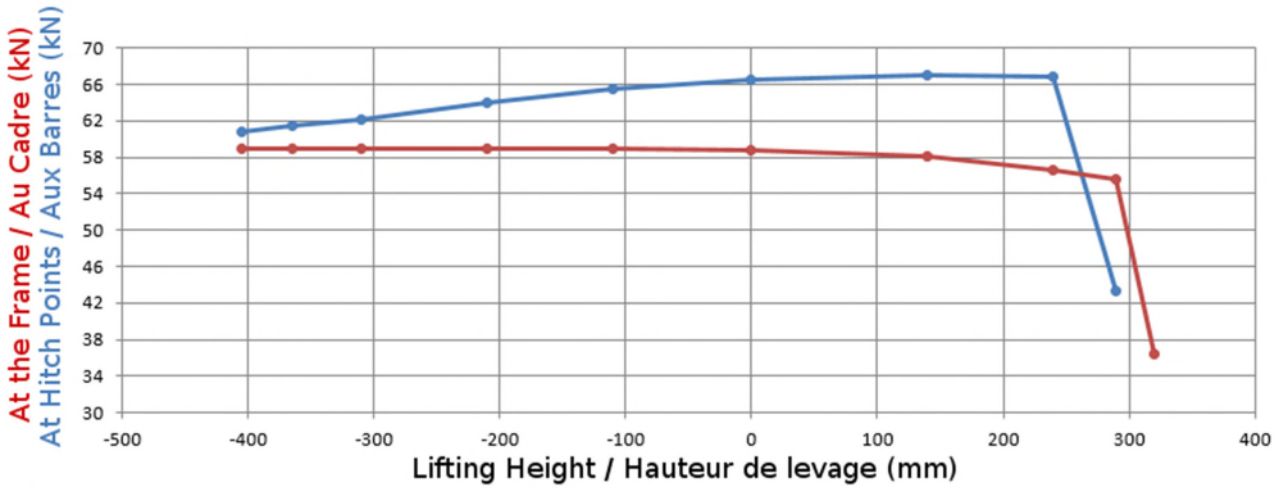
Hydraulic system	closed centre
Relief valve pressure setting (tolerance):	21,0 ± 0,5 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power			
Flow rate, Pressure, Power (couplers: 1 pair)	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

POWER LIFT

Maximum lifting force	
at the hitch points	43,3 kN
at the frame	36,4 kN

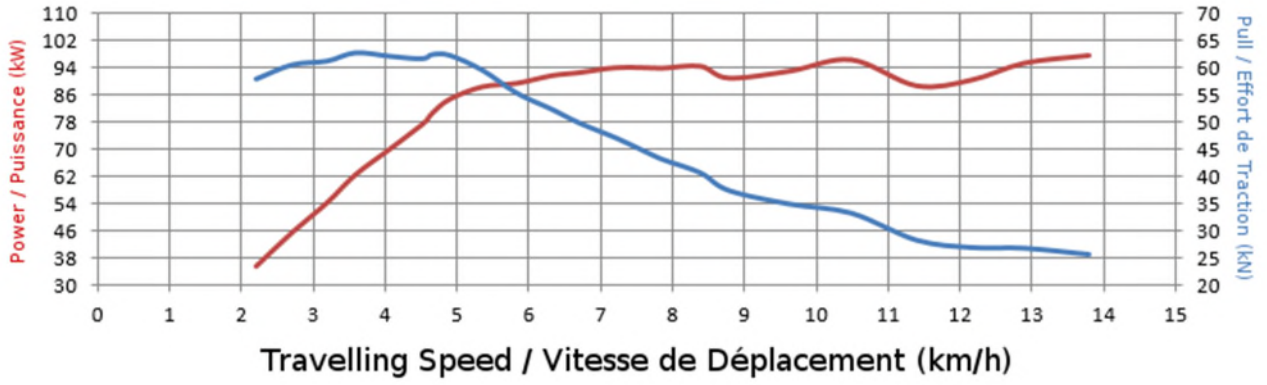


DRAWBAR TEST

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	62,80 kN
at speed of	3,58 km/h
Maximum power	96,55 kW
at speed of	10,49 km/h



BALLASTED

Not available