# 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
Туре	4 WD
Transmission	Continuously variable transmission
Speed	50 km/h
Manufacturer	CNH Industrial Europe Holding S.A.
Testing Station	BLT – Austria







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## SPECIFICATIONS

ENGINE

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

TRANSMISSION
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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	<u>540 min<sup>-1</sup></u>	<u>1000 min-1</u>
Power take-off speed at rated engine speed	603 min <sup>-1</sup>	1141 min <sup>-1</sup>
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 <sup>-1</sup>	932 min <sup>-1</sup>
Hourly and specific consumption	12, jo mit	35,05 l/h	226 g/kWh
Hourly and specific urea consumption		2,69 l/h	22,8 g/kWh
Test at maximum power at rated engine speed		,,	,- 0 <u>,</u>
Power, Engine and Power take-off speed	109,2 kW	2200 min <sup>-1</sup>	1140 min <sup>-1</sup>
Hourly and specific consumption		33,70 l/h	255 g/kWh
Hourly and specific urea consumption		2,48 l/h	24,5 g/kWh
Test at standard Power take-off speed			0.
Power, Engine and Power take-off speed	125,0 kW	1930 min <sup>-1</sup>	1000 min <sup>-1</sup>
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 <sup>-1</sup>
Maximum torque, Engine speed corresponding		742,2 MIII	1300 11111 -
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		FIL	BLT
	/6]	WIESELB	URG
BETTER POLICIES FOR BETTER LIVES [Page 3,	lo]		

## **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 <u>Test at maximum power at rated engine speed</u> Power, Engine and Power take-off speed Hourly and specific consumption <u>Test at standard Power take-off speed</u> Power, Engine and Power take-off speed Power, Engine and Power take-off speed Hourly and specific consumption <u>Test at standard Power take-off speed</u> Hourly and specific consumption	- - 125,2 kW 142,0 kW	- 2200 min <sup>-1</sup> 37,76 l/h 2,81 l/h 1930 min <sup>-1</sup> 39,61 l/h 2,88 l/h	- - - 249 g/kWh 24,2 g/kWh 2000 min <sup>-1</sup> 230 g/kWh 21,9 g/kWh
<u>Torque rise</u> <u>Maximum torque, Engine speed corresponding</u>		823,8 Nm	51,6 % 1500 min <sup>-1</sup>
Maximum torque, Engine speed corresponding		823,8 MIII	1500 mm <sup>-1</sup>
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U 38 34 30 26 26 26 26 26 26 26 26 26 26			
BETTER POLICIES FOR BETTER LIVES [Page	e 4/6]	<b>F</b> J WIESELB	<b>BLT</b> URG

#### PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

#### Not available

### HYDRAULIC PERFORMANCE AND POWER LIFT TEST

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

#### HYDRAULIC PERFORMANCES

<u>At maximum hydraulic power</u>			
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 at the frame

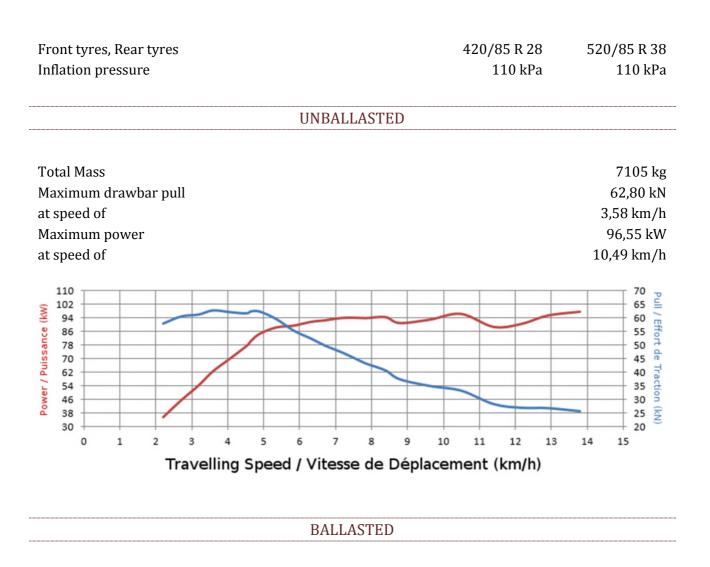
43,3 kN 36,4 kN

At Hitch Points / Aux Barres (kN) At the Frame / Au Cadre (kN) 70 66 62 58 54 50 46 42 38 34 30 -400 -300 -200 -100 0 100 200 300 400 -500 Lifting Height / Hauteur de levage (mm)





### DRAWBAR TEST



Not available



