

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/3 008
OECD Approval Date	29/11/2016
Make	CASE IH
Model	FARMALL 120 C
Type	4 WD
Transmission	mechanical synchronised
Speed	40 km/h
Manufacturer	CNH Industrial Europe Holding S.A.
Testing Station	DISTAL – Italy



SPECIFICATIONS

ENGINE

<i>Make</i>	FPT Industrial
<i>Model</i>	F5GFL413G
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	4
<i>Disposition</i>	in line
<i>Capacity</i>	3387 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	mechanical synchronised	
<i>Number of forward and reverse speeds</i>	12	12
<i>Speed at rated engine speed</i>	from 0,97	to 39,98 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>	634 min ⁻¹	1082 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	79,1 kW	1958 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		21,47 l/h	227 g/kWh
Hourly and specific urea consumption		0,49 l/h	6,74 g/kWh

Test at maximum power at rated engine speed

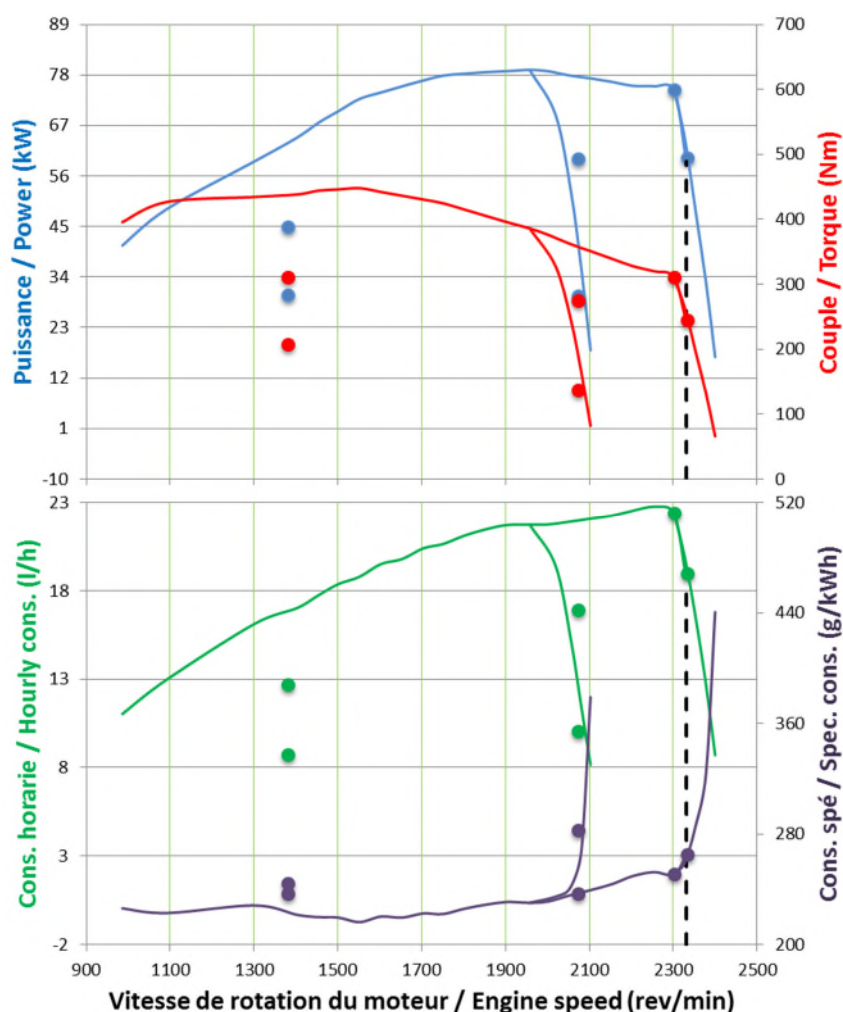
Power, Engine and Power take-off speed	74,8 kW	2302 min ⁻¹	635 min ⁻¹
Hourly and specific consumption		22,37 l/h	251 g/kWh
Hourly and specific urea consumption		0,88 l/h	12,78 g/kWh

Test at standard Power take-off speed

Power, Engine and Power take-off speed	79,1 kW	1958 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		21,73 l/h	230 g/kWh
Hourly and specific urea consumption		0,49 l/h	6,74 g/kWh

Torque rise

			84,8 %
<u>Maximum torque, Engine speed corresponding</u>	447,9 Nm	1552 min ⁻¹	



PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

Not applicable

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system

open centre

Relief valve pressure setting (tolerance):

20,0 ± 1 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)

59,80 l/min

18,42 MPa

18,36 kW

Flow rate, Pressure, Power (couplers: 2 pairs or +)

-

-

-

POWER LIFT

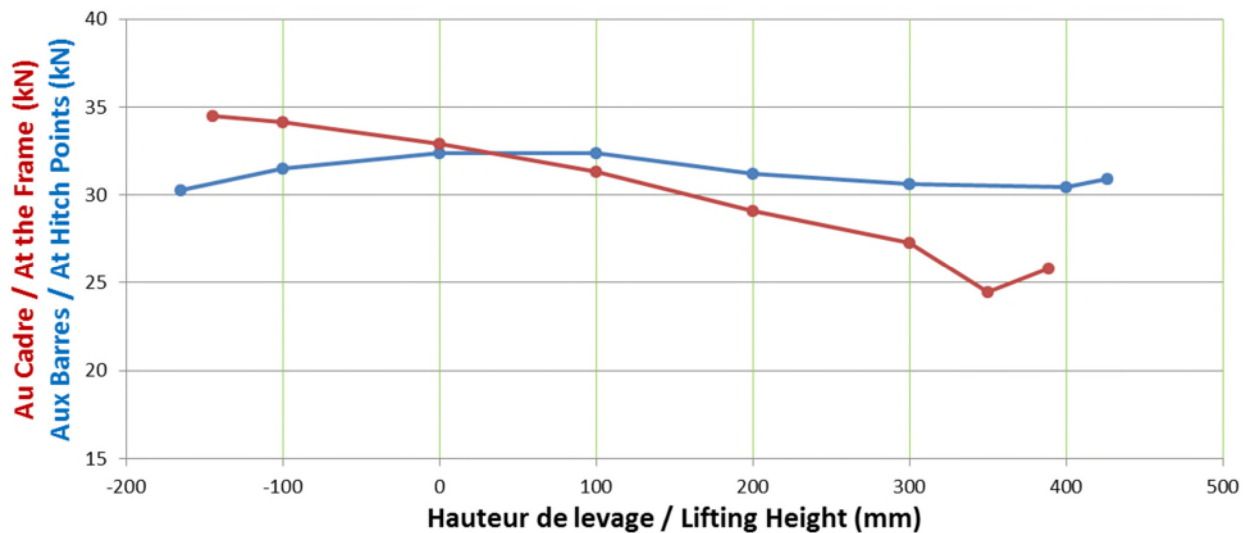
Maximum lifting force

at the hitch points

30,30 kN

at the frame

25,81 kN

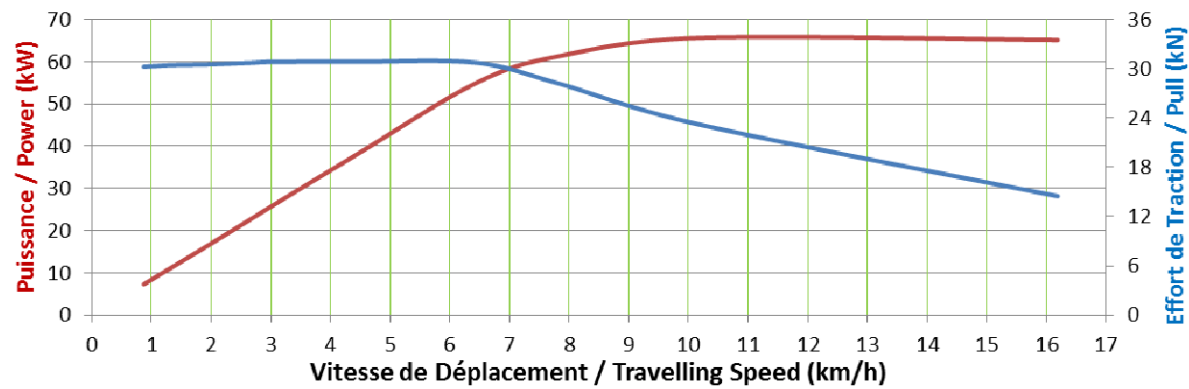


DRAWBAR TEST

Front tyres, Rear tyres	380/85 R24	460/85 R34
Inflation pressure	160 kPa	160 kPa

UNBALLASTED

Total Mass	3740 kg
Maximum drawbar pull	30,85 kN
at speed of	4,48 km/h
Maximum power	65,63 kW
at speed of	10,18 km/h



BALLASTED

Not applicable