

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 864
OECD Approval Date	14/01/2015
Make	CASE IH
Model	FARMALL 105 C
Type	4 WD
Transmission	mechanical
Speed	40 km/h
Manufacturer	CNH Industrial Europe Holding S.A.
Testing Station	DISTAL – Italy



SPECIFICATIONS

ENGINE

<i>Make</i>	FTP Industrial
<i>Model</i>	F5DFL413J
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	4
<i>Disposition</i>	vertical in line
<i>Capacity</i>	3387 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	Mechanical
<i>Number of forward and reverse speeds</i>	12
<i>Speed at rated engine speed</i>	from 0,94 to 38,68 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>	662 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	71,9 kW	1876 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		20,76 l/h	242 g/kWh
Hourly and specific urea consumption		-	-

Test at maximum power at rated engine speed

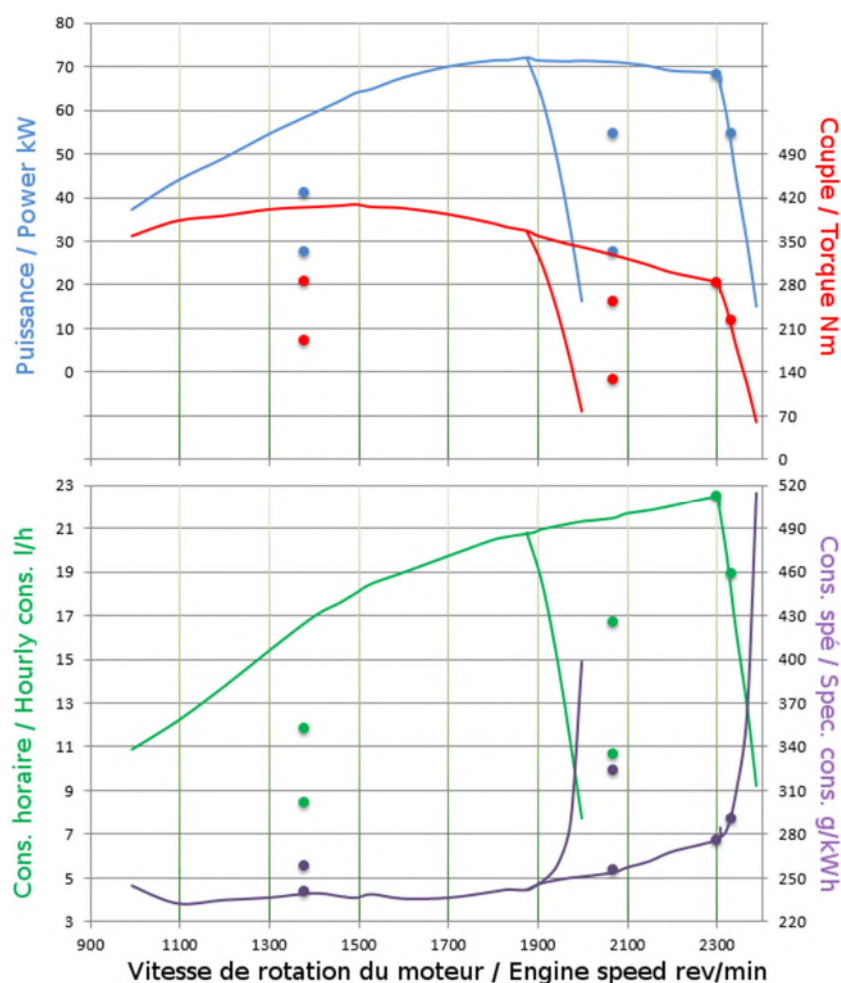
Power, Engine and Power take-off speed	68,2 kW	2300 min ⁻¹	662 min ⁻¹
Hourly and specific consumption		22,48 l/h	276 g/kWh
Hourly and specific urea consumption		-	-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	71,9 kW	1876 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		20,76 l/h	242 g/kWh
Hourly and specific urea consumption		-	-

Torque rise

			44,3 %
<u>Maximum torque, Engine speed corresponding</u>	408,7 Nm	1494 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):

19 ± 0,5 MPa

 HYDRAULIC PERFORMANCES

At maximum hydraulic power

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

59,9 l/min

16,1 MPa

16,0 kW

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

Not

Applicable

 POWER LIFT

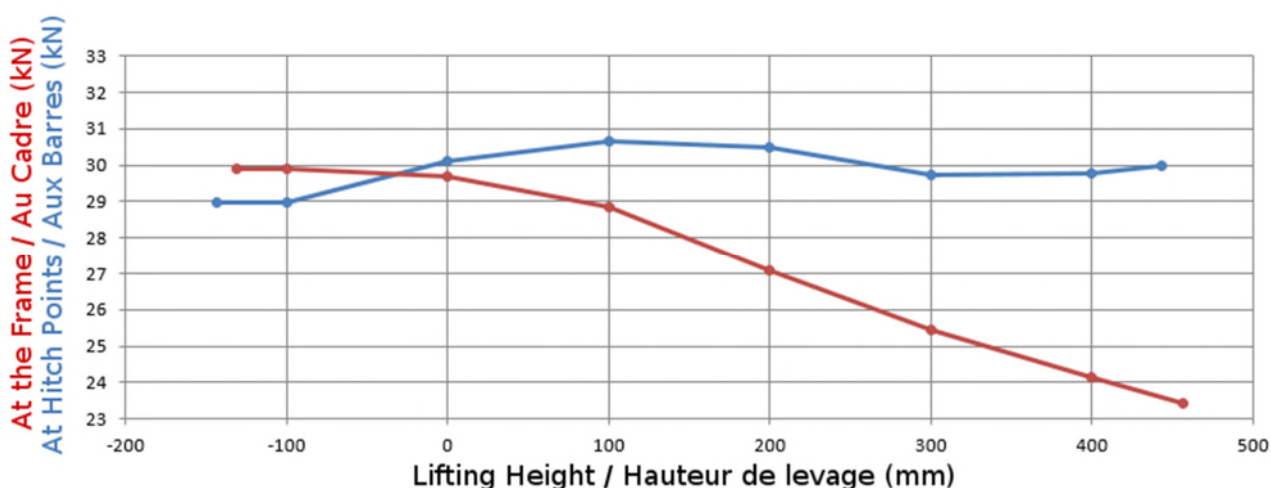
Maximum lifting force

at the hitch points

29,0 kN

at the frame

23,4 kN

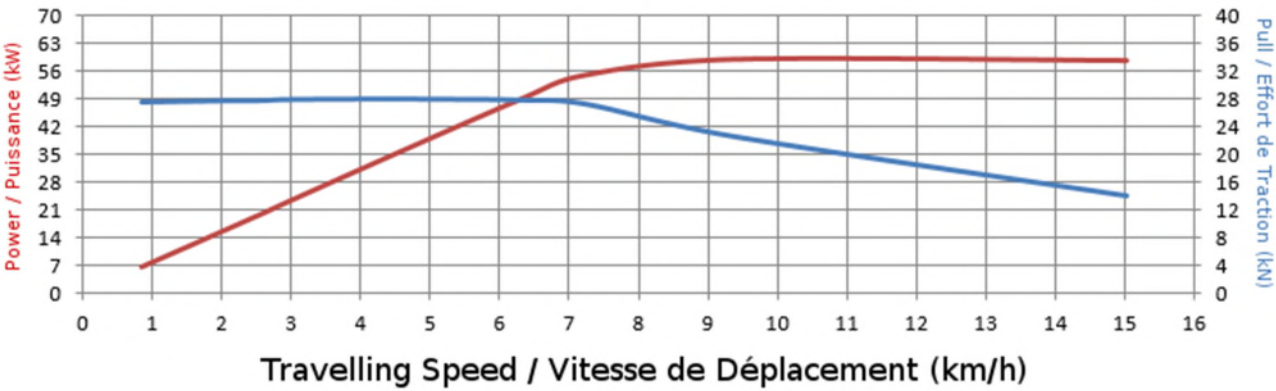


DRAWBAR TEST

Front tyres, Rear tyres	380/70 R 24	480/70 R 34
Inflation pressure	160 kPa	160 kPa

UNBALLASTED

Total Mass	3445 kg
Maximum drawbar pull	28,0 kN
at speed of	4,34 km/h
Maximum power	58,9 kW
at speed of	9,37 km/h



BALLASTED

Not Applicable

