

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 930
OECD Approval Date	09/02/2016
Make	LS Mtron
Model	PLUS100
Type	4 WD
Transmission	mechanical
Speed	40 km/h
Manufacturer	LS Mtron Ltd.
Testing Station	F.A.C.T. – Korea



SPECIFICATIONS

ENGINE

<i>Make</i>	FIAT POWER TRAIN
<i>Model</i>	F4CE9484M*J
<i>Type</i>	direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	4
<i>Disposition</i>	in line
<i>Capacity</i>	4485 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 0,19 to 36,40 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	6

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	52,9 kW	2200 min ⁻¹	607 min ⁻¹
Hourly and specific consumption		18,15 l/h	285 g/kWh
Hourly and specific urea consumption		-	-

Test at maximum power at rated engine speed

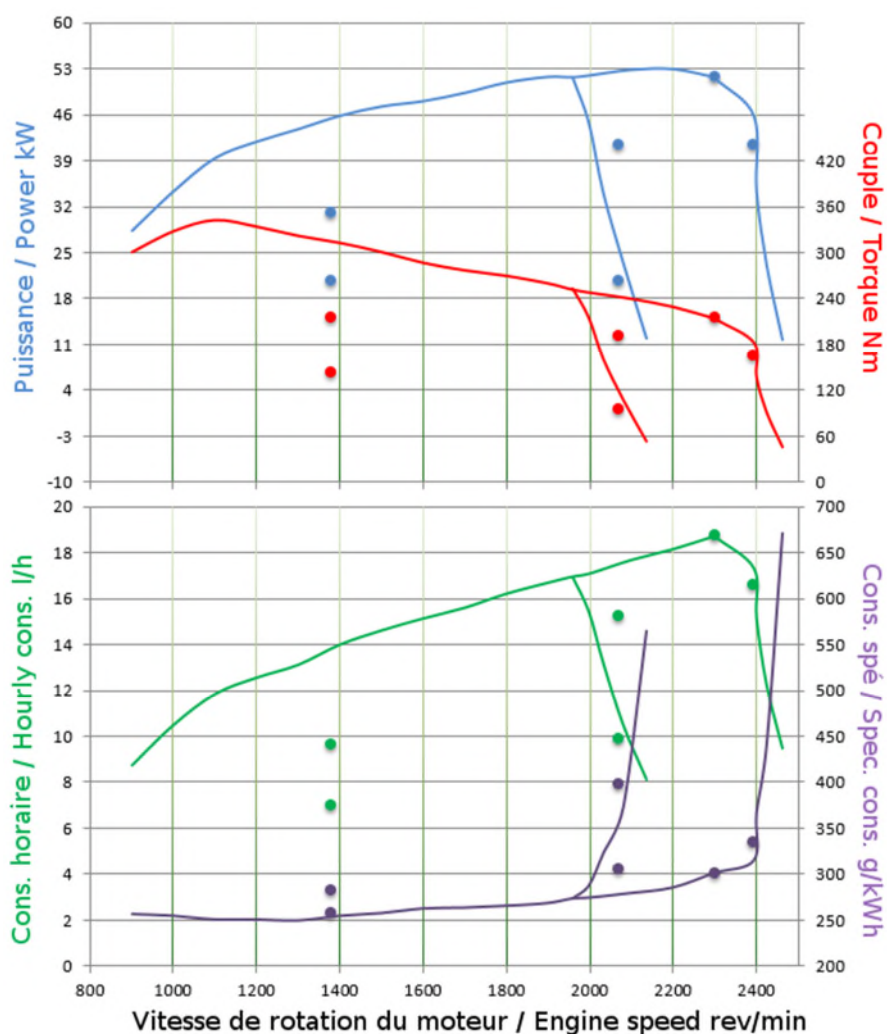
Power, Engine and Power take-off speed	51,7 kW	2300 min ⁻¹	635 min ⁻¹
Hourly and specific consumption		18,72 l/h	301 g/kWh
Hourly and specific urea consumption		-	-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	51,7 kW	1958 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		16,95 l/h	273 g/kWh
Hourly and specific urea consumption		-	-

Torque rise

Maximum torque, Engine speed corresponding	342,0 Nm	1100 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):

17,0 ± 0,5 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

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

51,1 l/min

13,8 MPa

11,8 kW

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

Not

Applicable

POWER LIFT

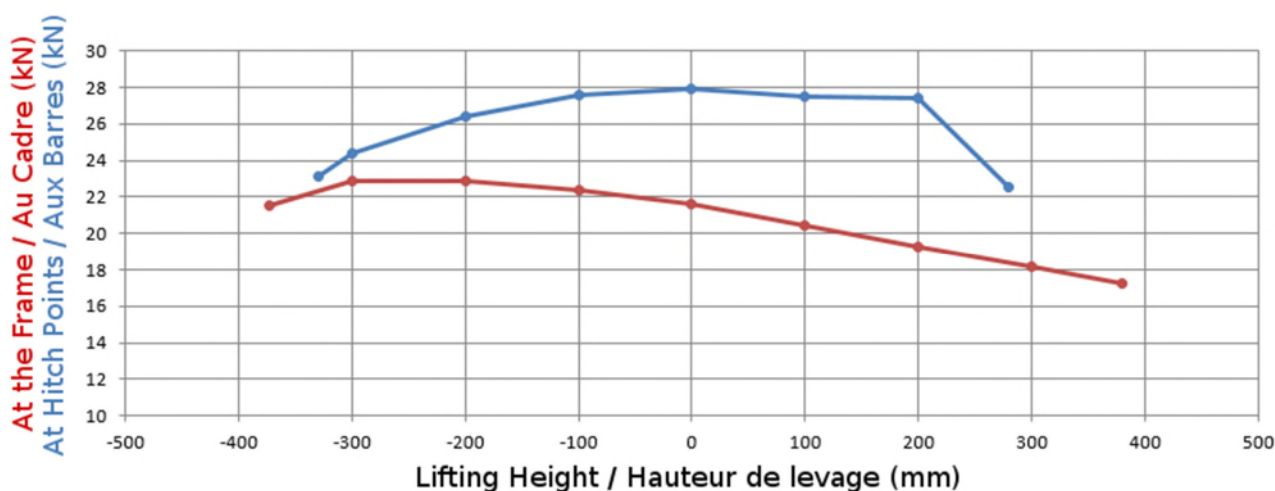
Maximum lifting force

at the hitch points

22,5 kN

at the frame

17,2 kN

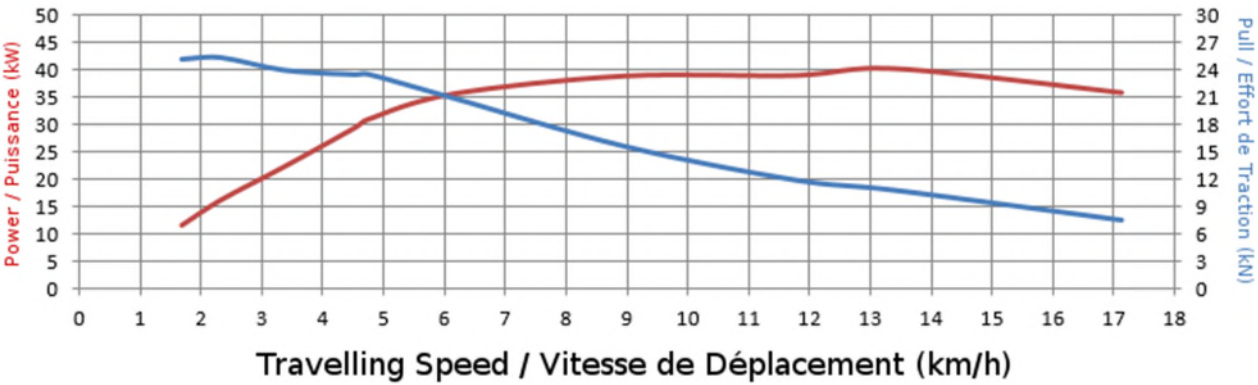


DRAWBAR TEST

Front tyres, Rear tyres	12.4-24	18.4-30
Inflation pressure	216 kPa	157 kPa

UNBALLASTED

Total Mass	3280 kg
Maximum drawbar pull	25,27 kN
at speed of	2,33 km/h
Maximum power	40,09 kW
at speed of	13,43 km/h



BALLASTED

Not available