

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 903
OECD Approval Date	02/07/2015
Make	KIOTI
Model	CK4010
Type	4WD
Transmission	Synchro-mesh
Speed	30 km/h
Manufacturer	DAEDONG INS. CO., Ltd.
Testing Station	F.A.C.T. – Korea



SPECIFICATIONS

ENGINE

<i>Make</i>	DAEDONG
<i>Model</i>	3B183LWM-E
<i>Type</i>	Indirect injection
<i>Supercharging</i>	No
<i>Cylinders</i>	3
<i>Disposition</i>	vertical in line
<i>Capacity</i>	1826 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	Synchro-mesh
<i>Number of forward and reverse speeds</i>	9 3
<i>Speed at rated engine speed</i>	from 1,56 to 23,05 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>	572 min ⁻¹	
<i>Diameter of the shaft</i>	35 mm	Not
<i>Number of splines</i>	6	Applicable

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	24,7 kW	2400 min ⁻¹	528 min ⁻¹
Hourly and specific consumption		8,39 l/h	282 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

Test at maximum power at rated engine speed

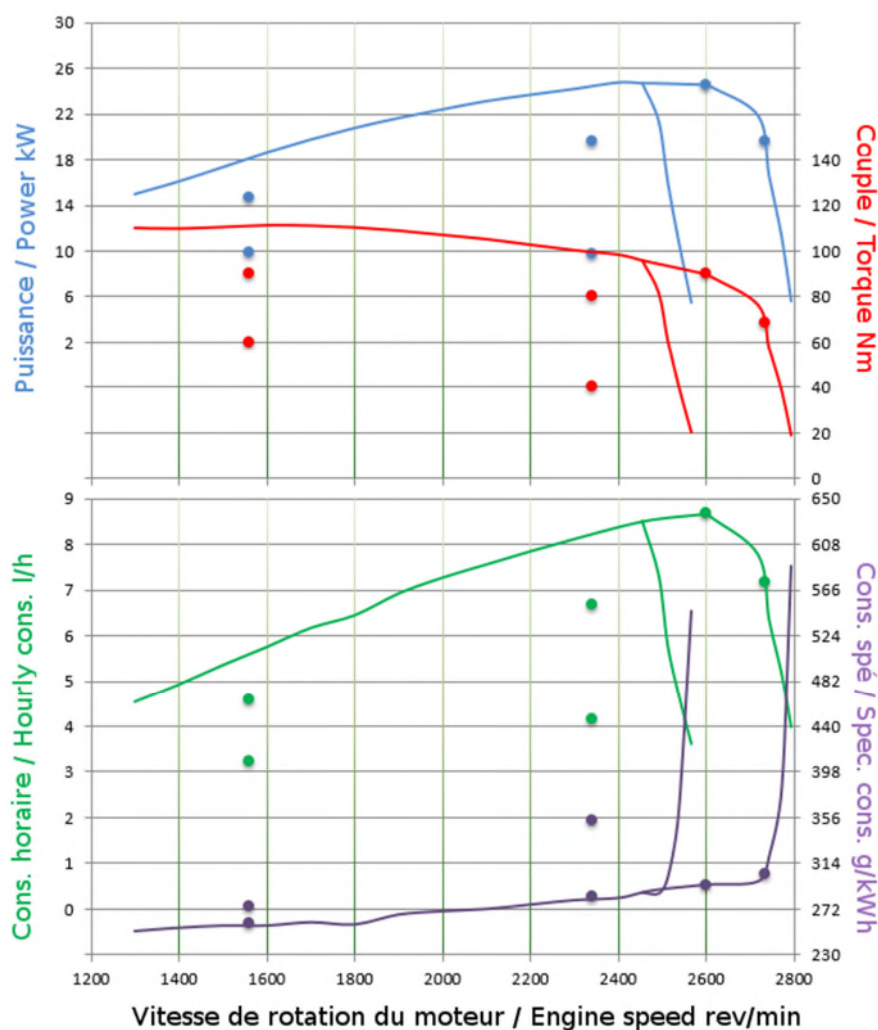
Power, Engine and Power take-off speed	24,5 kW	2600 min ⁻¹	572 min ⁻¹
Hourly and specific consumption		8,68 l/h	294 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	24,7 kW	2454 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		8,51 l/h	287 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

Torque rise

Maximum torque, Engine speed corresponding	111,0 Nm	1600 min ⁻¹	23,2 %
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 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)

25,5 l/min

16,0 MPa

6,8 kW

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

Not

Applicable

 POWER LIFT

Maximum lifting force

at the hitch points

9,4 kN

at the frame

6,1 kN

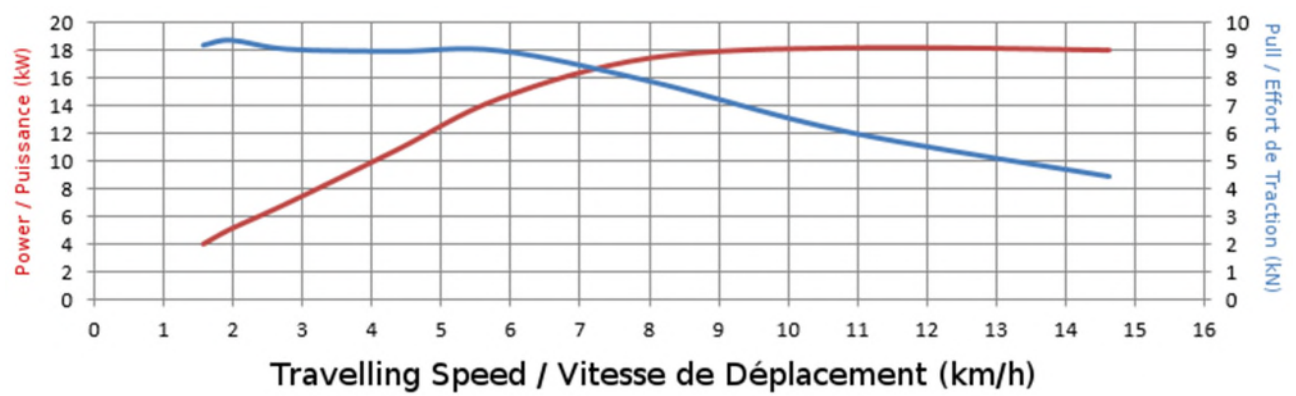


DRAWBAR TEST

Front tyres, Rear tyres	7 - 16	11.2 - 24
Inflation pressure	255 kPa	118 kPa

UNBALLASTED

Total Mass	1195 kg
Maximum drawbar pull	9,35 kN
at speed of	1,96 km/h
Maximum power	18,24 kW
at speed of	10,87 km/h



BALLASTED

Not Applicable