



OECD approval number

1/1 953

OECD approval date

Full Code

10/05/2001

Make

Daedong

Model

DK 50

Type

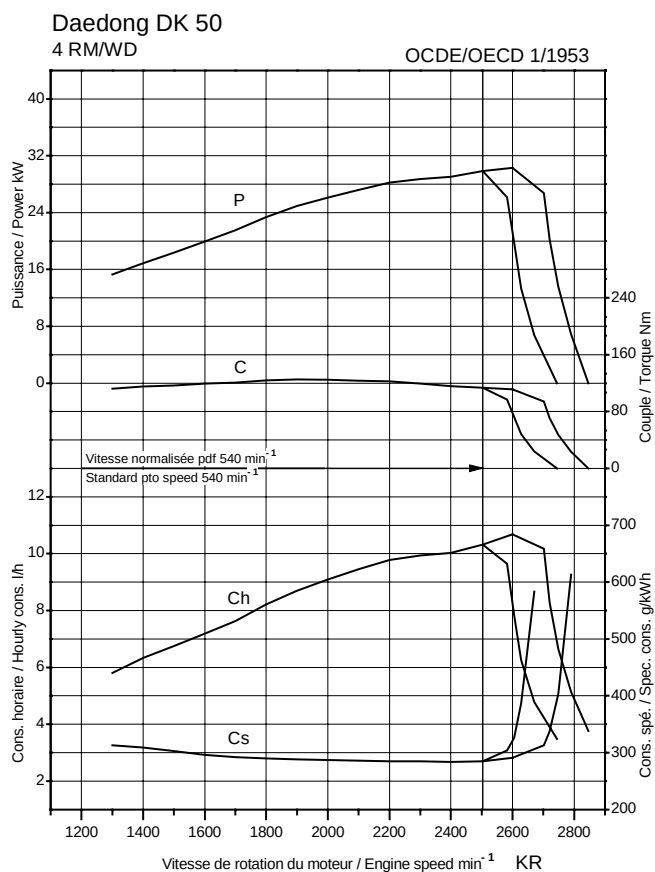
4 WD

Manufacturer

Daedong Industry Co., Ltd.

Testing station:

NAMRI, Suwon, Korea



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Daedong	4A220T
<i>Type, Supercharging</i>	Indirect injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	2000 cm ³	Liquid
<i>Gear box</i>		Mechanical synchronized
<i>Number of forward and reverse speeds</i>		8 8
<i>Speed at rated engine speed</i>		from 1.73 to 24.69 km/h
<u>Standard Power take-off speed</u>		<u>540 min⁻¹</u> <u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>		561 min ⁻¹ None
<i>Diameter of the shaft</i>		35 mm
<i>Number of splines</i>		6

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	30.3 kW	2600 min ⁻¹	561 min ⁻¹
<i>Hourly and specific consumption</i>		10.68 l/h	291 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	30.3 kW	2600 min ⁻¹	561 min ⁻¹
<i>Hourly and specific consumption</i>		10.68 l/h	291 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	29.8 kW	2503 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		10.32 l/h	285 g/kWh

Torque rise

			12.7 %
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Maximum torque, Engine speed corresponding

		125.3 Nm	1900 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	9.5 - 18	13.6 - 28
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	1769 kg	1877 kg
<i>Maximum drawbar pull</i>	13.5 kN	14.3 kN
<i>at speed of</i>	2.39 km/h	2.39 km/h
<i>Maximum power</i>	27.2 kW	27.5 kW
<i>at speed of</i>	10.45 km/h	10.47 km/h

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>		Opened centre
<i>Maximum lifting force at hitch points, at frame</i>	11.9 kN	11.3 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	31.9 l/min	15.8 MPa 8.4 kW