



OECD approval number

1/2 002

OECD approval date

Full Code

24/09/2002

Make

Daedong

Model

DK80

Type

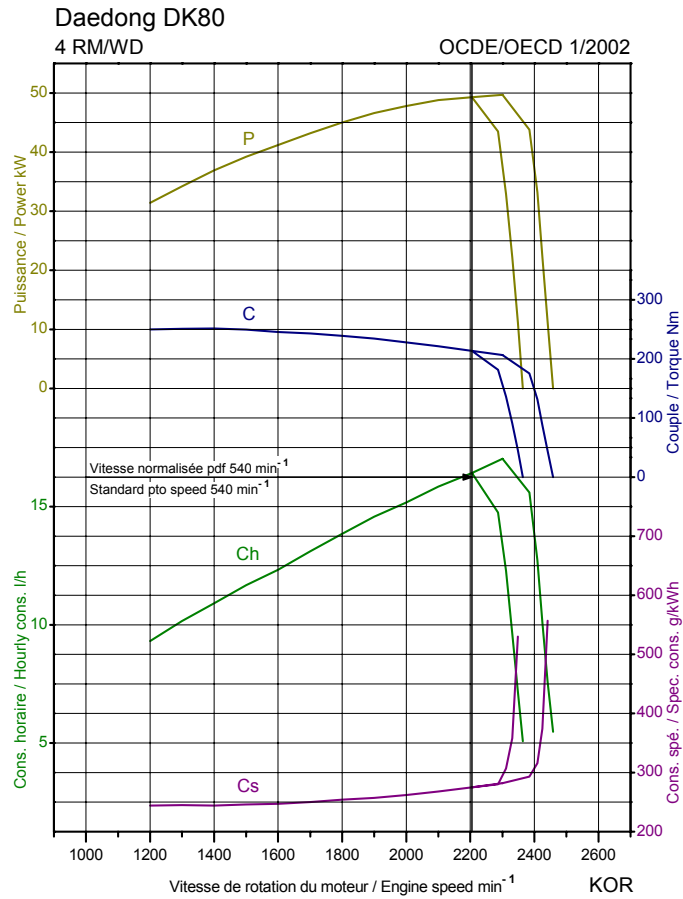
4 WD

Manufacturer

Daedong Ins. Co., Ltd.

Testing station:

NAMRI, Suwon, Korea



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	1004.42
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4233 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>		12
<i>Speed at rated engine speed</i>		from 0.43 to 29.96 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>		563 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>	49.7 kW	2300 min ⁻¹	563 min ⁻¹
<i>Hourly and specific consumption</i>		17.03 l/h	282 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	49.7 kW	2300 min ⁻¹	563 min ⁻¹
<i>Hourly and specific consumption</i>		17.03 l/h	282 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	49.3 kW	2205 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		16.43 l/h	275 g/kWh

Torque rise

<i>Maximum torque. Engine speed corresponding</i>		251.7 Nm	1400 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	11.2 - 24	18.4 - 30
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3180 kg	3540 kg
<i>Maximum drawbar pull</i>	23.7 kN	26.3 kN
<i>at speed of</i>	2.87 km/h	1.97 km/h
<i>Maximum power</i>	43.6 kW	43.0 kW
<i>at speed of</i>	9.70 km/h	9.83 km/h

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>		Opened centre
<i>Maximum lifting force at hitch points, at frame</i>	19.3 kN	16.8 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	43.5 l/min	16.5 MPa 12.0 kW

