



OECD approval number

1/2 003

OECD approval date

Full Code
26/09/2002

Make

Daedong

Model

DK90

Type

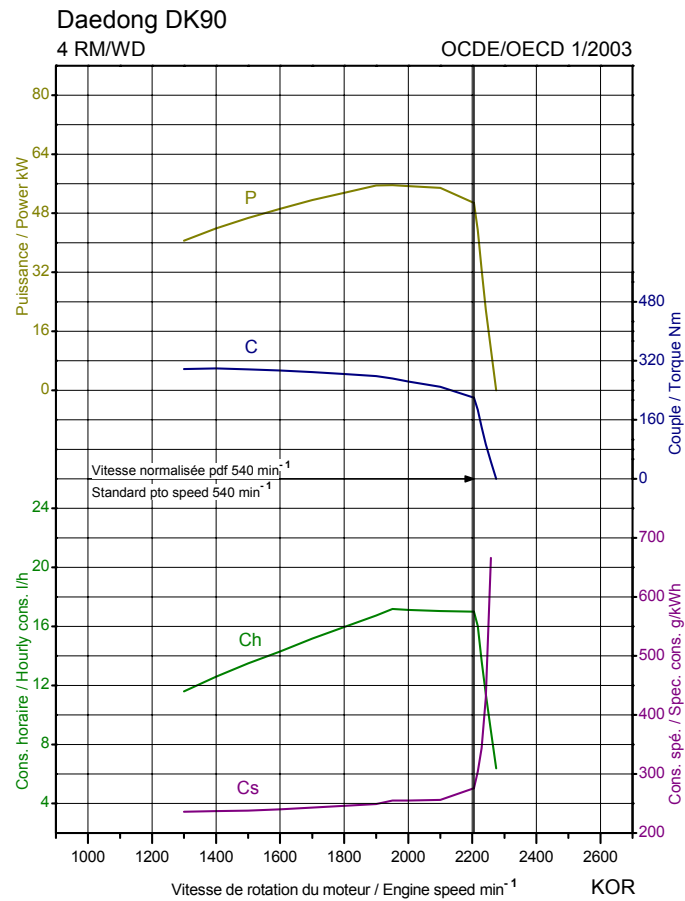
4 WD

Manufacturer

Daedong Ins. Co., Ltd.

Testing station:

NAMRI, Suwon, Korea



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	1004.4T
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	3990 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	12	12
<i>Speed at rated engine speed</i>	from 0.41	to 28.66 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>	539 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>	55.6 kW	1950 min ⁻¹	478 min ⁻¹
<i>Hourly and specific consumption</i>		17.19 l/h	255 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	50.8 kW	2205 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		17.01 l/h	276 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	50.8 kW	2205 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		17.01 l/h	276 g/kWh

Torque rise

36.2 %

Maximum torque, Engine speed corresponding299.4 Nm 1400 min⁻¹**Drawbar Test***Front tyres, Rear tyres*

11.2 - 24 18.4 - 30

Test with tractorunballasted ballasted*Total Mass*

3171 kg 3531 kg

Maximum drawbar pull

24.9 kN 27.2 kN

at speed of

1.84 km/h 1.81 km/h

Maximum power

47.9 kW 47.8 kW

at speed of

7.86 km/h 7.95 km/h

Power Lift and Hydraulic Performance Test*Hydraulic system*

Opened centre

Maximum lifting force at hitch points, at frame

18.2 kN 17.3 kN

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	39.0 l/min	16.4 MPa	10.7 kW
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