



OECD approval number

1/2 312

OECD approval date

**Full Code
24/01/2006**

Make

Dongfeng

Model

250

Type

2 WD

30 km/h - 8 speeds

Manufacturer

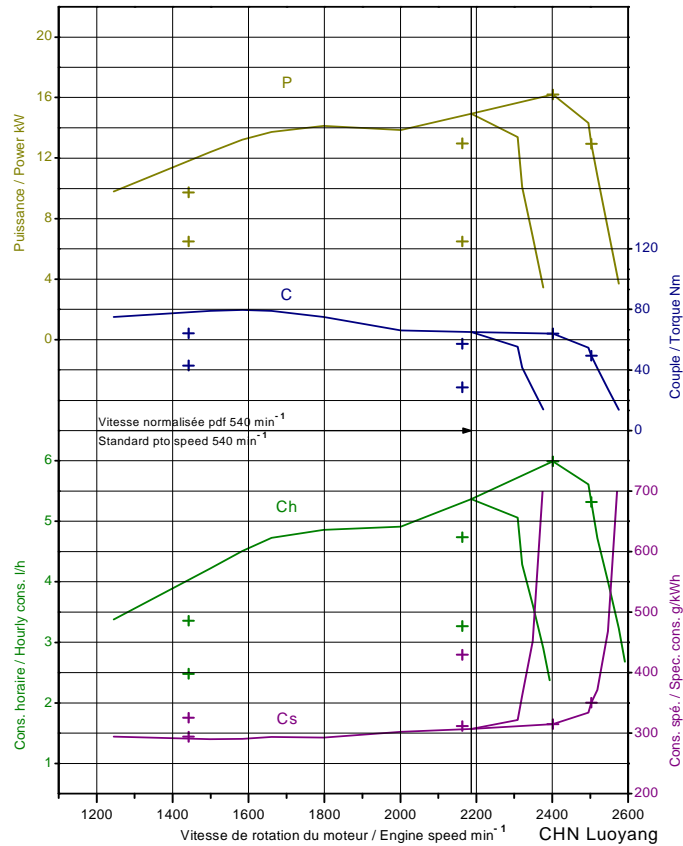
Changzhou Dongfeng Agricultural
Machinery Group Co., Ltd

Testing station:

COTTEC, Luoyang, China

**Dongfeng DF250
2 RM/WD**

OCDE/OECD 1/2312



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Yangdong	Y385T
<i>Type, Supercharging</i>	Indirect injection	None
<i>Cylinders, Disposition</i>	3	vertical in line
<i>Capacity, Cooling</i>	1532 cm ³	By water
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>		8 2
<i>Speed at rated engine speed</i>		from 1.12 to 26.54 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>		593 min ⁻¹ 1071 min ⁻¹
<i>Diameter of the shaft</i>		35 mm 35 mm
<i>Number of splines</i>		6 6

Power take-off Test

<u>Two hours test at maximum power</u>			
<i>Power, Engine and Power take-off speed</i>	16.2 kW	2402 min ⁻¹	593 min ⁻¹
<i>Hourly and specific consumption</i>		5.99 l/h	315 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	16.2 kW	2402 min ⁻¹	593 min ⁻¹
<i>Hourly and specific consumption</i>		5.99 l/h	315 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	14.9 kW	2187 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		5.37 l/h	307 g/kWh
<u>Torque rise</u>			23.9 %
<u>Maximum torque, Engine speed corresponding</u>		79.8 Nm	1584 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>	4.00-16	8.3-24
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	1194 kg	1500 kg
<i>Maximum drawbar pull</i>	8.6 kN	10.5 kN
<i>at speed of</i>	1.64 km/h	1.63 km/h
<i>Maximum power</i>	13.7 kW	14.2 kW
<i>at speed of</i>	8.87 km/h	9.06 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Opened centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	19.6 l/min	11.3 MPa	3.7 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		7.6 kN	5.9 kN

