



OECD approval number

1/2 281

OECD approval date

**Full Code
17/10/2005**

Make

Dongfeng

Model

DF350

Type

2 WD

30 km/h

Manufacturer

**Changzhou Dongfeng Agricultural
Machinery Group Co., Ltd**

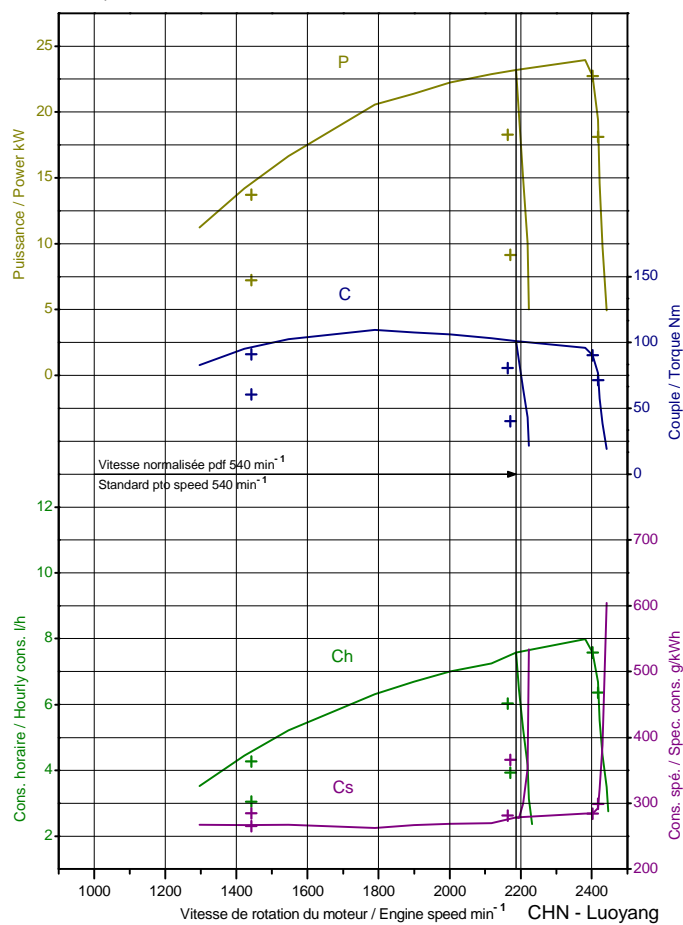
Testing station:

COTTEC, Luoyang, China

Dongfeng DF350

2 RMWD

OCDE/OECD 1/2281



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Jiangdong	TY395I
<i>Type, Supercharging</i>	Indirect injection	None
<i>Cylinders, Disposition</i>	3	vertical in line
<i>Capacity, Cooling</i>	2230 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 1.74 to 30.68 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 1072 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>	24.0 kW	2381 min ⁻¹	588 min ⁻¹
<i>Hourly and specific consumption</i>		7.99 l/h	284 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	22.7 kW	2402 min ⁻¹	593 min ⁻¹
<i>Hourly and specific consumption</i>		7.58 l/h	284 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	23.2 kW	2187 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		7.58 l/h	279 g/kWh
<u>Torque rise</u>			21.2 %
<u>Maximum torque, Engine speed corresponding</u>		109.6 Nm	1790 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>		5.00 - 15	11.2 - 24
<u>Test with tractor</u>		<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>		1474 kg	1821 kg
<i>Maximum drawbar pull</i>		10.2 kN	11.5 kN
<i>at speed of</i>		2.45 km/h	2.47 km/h
<i>Maximum power</i>		19.1 kW	19.6 kW
<i>at speed of</i>		8.37 km/h	8.42 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>	21.2 l/min	12.6 MPa	4.5 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		7.7 kN	6.2 kN

