



OECD approval number

1/2 282

OECD approval date

Full Code
17/10/2005

Make

Dongfeng

Model

DF354

Type

4 WD

30 km/h

Manufacturer

Changzhou Dongfeng Agricultural
Machinery Group Co., Ltd

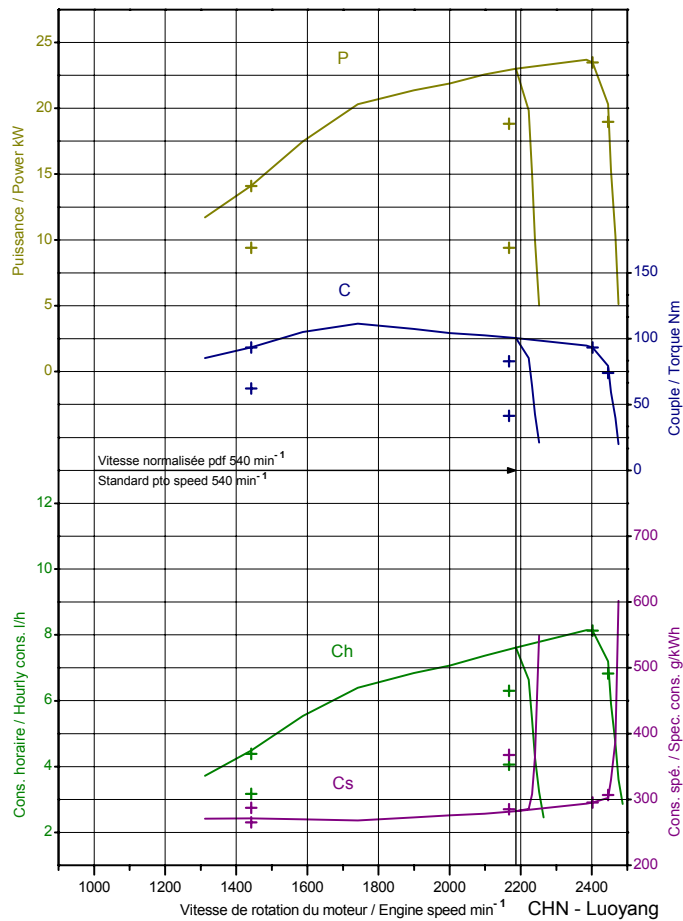
Testing station:

COTTEC, Luoyang, China

Dongfeng DF354

4 RM/WD

OCDE/OECD 1/2282



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 TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	23.7 kW	2385 min ⁻¹	589 min ⁻¹
<i>Hourly and specific consumption</i>		8.15 l/h	294 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	23.5 kW	2402 min ⁻¹	593 min ⁻¹
<i>Hourly and specific consumption</i>		8.13 l/h	295 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	23.0 kW	2187 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		7.61 l/h	282 g/kWh

Torque rise

		19.4 %	
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<u>Maximum torque, Engine speed corresponding</u>		111.4 Nm	1742 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	6.50 - 16	11.2 - 24
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	1594 kg	1941 kg
<i>Maximum drawbar pull</i>	13.9 kN	15.7 kN
<i>at speed of</i>	2.51 km/h	1.56 km/h
<i>Maximum power</i>	20.7 kW	21.3 kW
<i>at speed of</i>	8.73 km/h	8.78 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>	21.1 l/min	12.3 MPa	4.3 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		7.5 kN	6.0 kN