



OECD approval number

1/2 283

OECD approval date

Full Code
17/10/2005

Make

Dongfeng

Model

DF300

Type

2 WD

30 km/h

Manufacturer

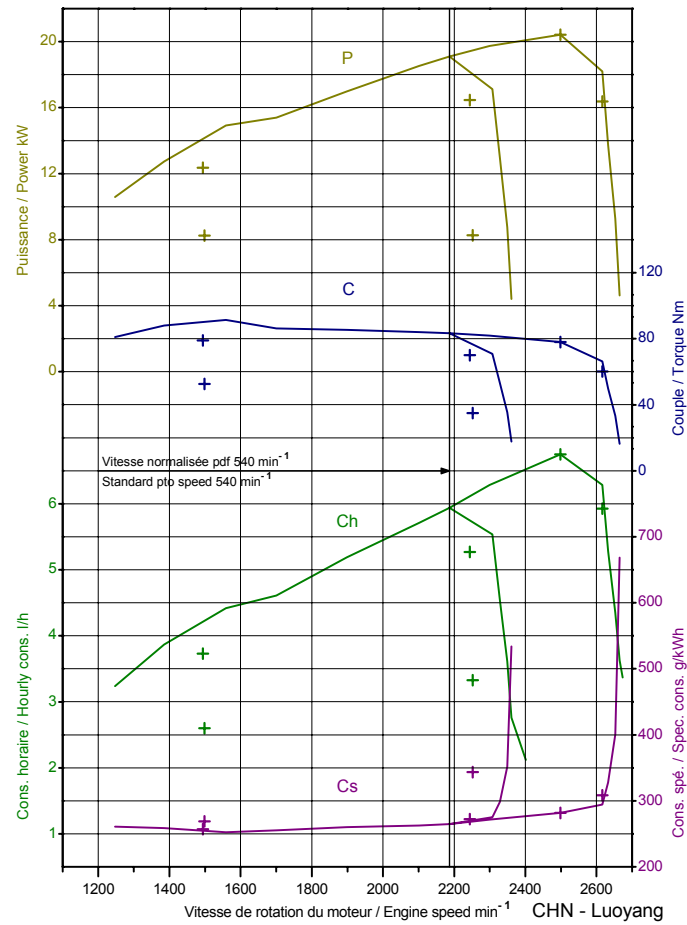
Changzhou Dongfeng Agricultural
Machinery Group Co., Ltd

Testing station:

COTTEC, Luoyang, China

Dongfeng DF300
2 RM/WD

OCDE/OECD 1/2283



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Changchai	ZN390T
<i>Type, Supercharging</i>	Indirect injection	None
<i>Cylinders, Disposition</i>	3	vertical in line
<i>Capacity, Cooling</i>	1813 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 1.81	to 31.94 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>	617 min ⁻¹	1117 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>	20.4 kW	2499 min ⁻¹	617 min ⁻¹
<i>Hourly and specific consumption</i>		6.75 l/h	282 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	20.4 kW	2499 min ⁻¹	617 min ⁻¹
<i>Hourly and specific consumption</i>		6.75 l/h	282 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	19.1 kW	2187 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		5.94 l/h	265 g/kWh

Torque rise

		17.2 %	
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Maximum torque, Engine speed corresponding

91.4 Nm	1559 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

5.00 - 15	11.2 - 24
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Test with tractor

<u>unballasted</u>	<u>ballasted</u>
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Total Mass

1392 kg	1739 kg
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Maximum drawbar pull

10.8 kN	11.8 kN
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at speed of

2.69 km/h	4.15 km/h
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Maximum power

18.2 kW	18.6 kW
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at speed of

8.96 km/h	8.96 km/h
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Hydraulic Performance and Power Lift Test*Hydraulic system*

Opened centre

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	25.2 l/min	11.0 MPa	4.6 kW
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Maximum lifting force

<i>at hitch points, at frame</i>	6.8 kN	5.1 kN
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