



**OECD approval number**

**1/2 292**

**OECD approval date**

**Full Code  
15/11/2005**

**Make**

**Dongfeng**

**Model**

**DF304**

**Type**

**4 WD**

**30 km/h**

*Manufacturer*

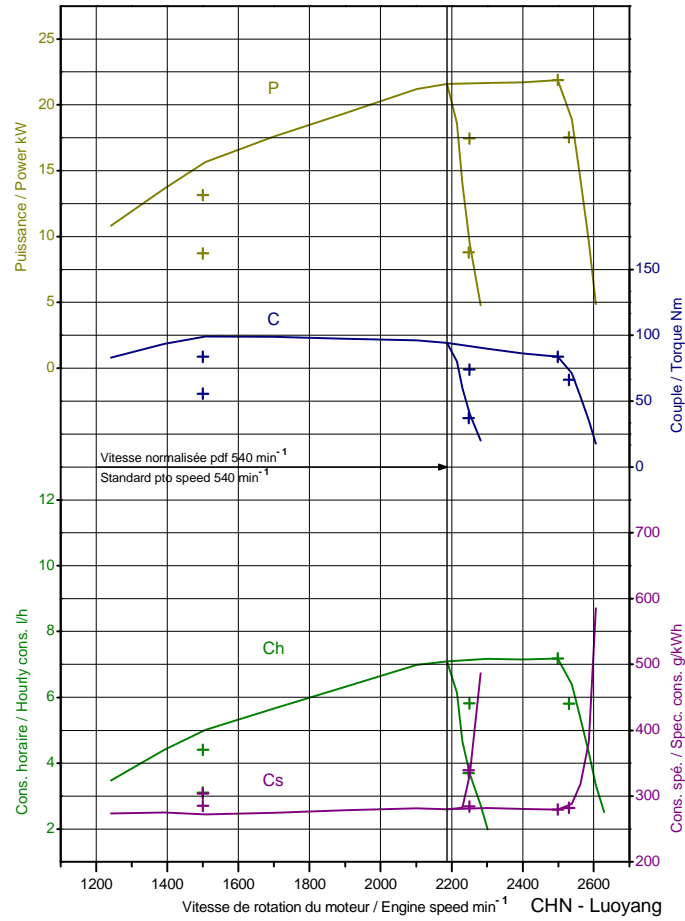
**Changzhou Dongfeng Agricultural  
Machinery Group Co., Ltd**

*Testing station:*

**COTTEC, Luoyang, China**

**Dongfeng DF304  
4 RM/WD**

**OCDE/OECD 1/2292**



**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 <sup>3</sup>	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<sup>-1</sup></u> <u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>		617 min <sup>-1</sup> 1116 min <sup>-1</sup>
<i>Diameter of the shaft</i>		35 mm              35 mm
<i>Number of splines</i>		6                      6

**Power take-off Test**Two hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	21.9 kW	2499 min <sup>-1</sup>	617 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		7.18 l/h	279 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	21.9 kW	2499 min <sup>-1</sup>	617 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		7.18 l/h	279 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	21.6 kW	2187 min <sup>-1</sup>	540 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		7.10 l/h	280 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		99.3 Nm	1507 min <sup>-1</sup>
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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>	1514 kg	1861 kg
<i>Maximum drawbar pull</i>	13.5 kN	15.3 kN
<i>at speed of</i>	1.64 km/h	1.65 km/h
<i>Maximum power</i>	18.8 kW	19.1 kW
<i>at speed of</i>	9.15 km/h	9.14 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>	26.2 l/min	11.0 MPa	4.8 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		6.6 kN	5.0 kN

