



OECD approval number

1/1 809

OECD approval date

Full Code
03/02/1999

Make

Dong Feng

Model

254

Type

4 WD

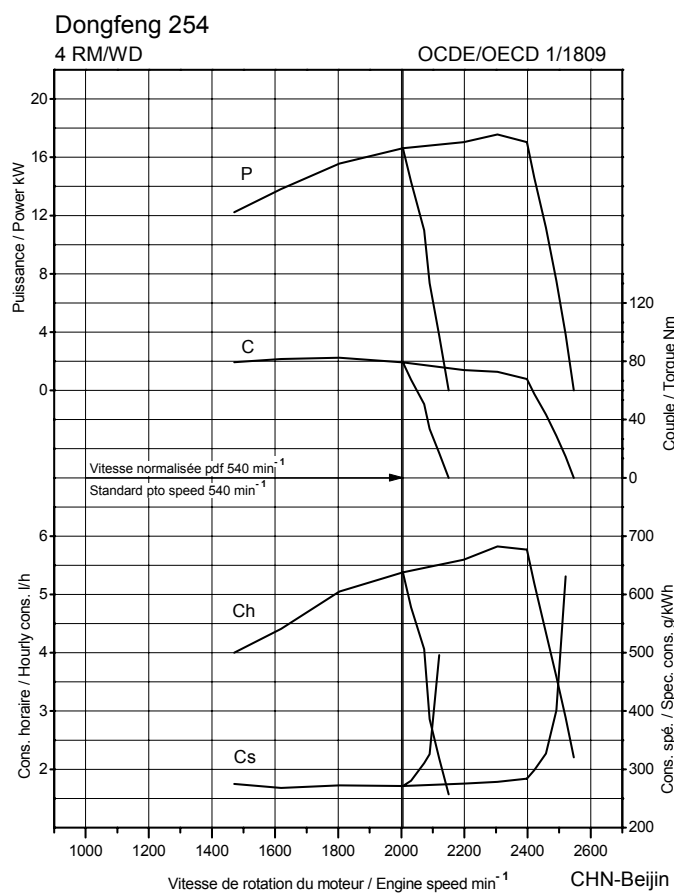
30 km/h

Manufacturer

DongFeng Agricultural Machinery Group Co.

Testing station:

CAMTC, Beijing, China



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Yangzhou Engine Machinery Works		385
<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 1.17	to 26.14 km/h
<u>Standard Power take-off speed</u>		540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>		646 min ⁻¹	1224 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>	17.6 kW	2305 min ⁻¹	621 min ⁻¹
<i>Hourly and specific consumption</i>		5.82 l/h	279 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	17.1 kW	2398 min ⁻¹	646 min ⁻¹
<i>Hourly and specific consumption</i>		5.77 l/h	284 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	16.6 kW	2005 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		5.38 l/h	272 g/kWh

Torque rise

		21.4 %	
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<u>Maximum torque, Engine speed corresponding</u>		82.4 Nm	1804 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	6.00 - 12	8.30 - 24
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	1240 kg	1508 kg
<i>Maximum drawbar pull</i>	10.2 kN	12.0 kN
<i>at speed of</i>	1.45 km/h	2.61 km/h
<i>Maximum power</i>	13.5 kW	13.5 kW
<i>at speed of</i>	7.60 km/h	5.47 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>	11.4 l/min	10.0 MPa	1.9 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		6.5 kN	4.6 kN