



OECD approval number

OECD approval date

Make

Model

Type

Manufacturer:

Testing station:

2/2 623

04/08/2011

Shanghai New Holland

TS120

4 WD

mechanical - 30 km/h

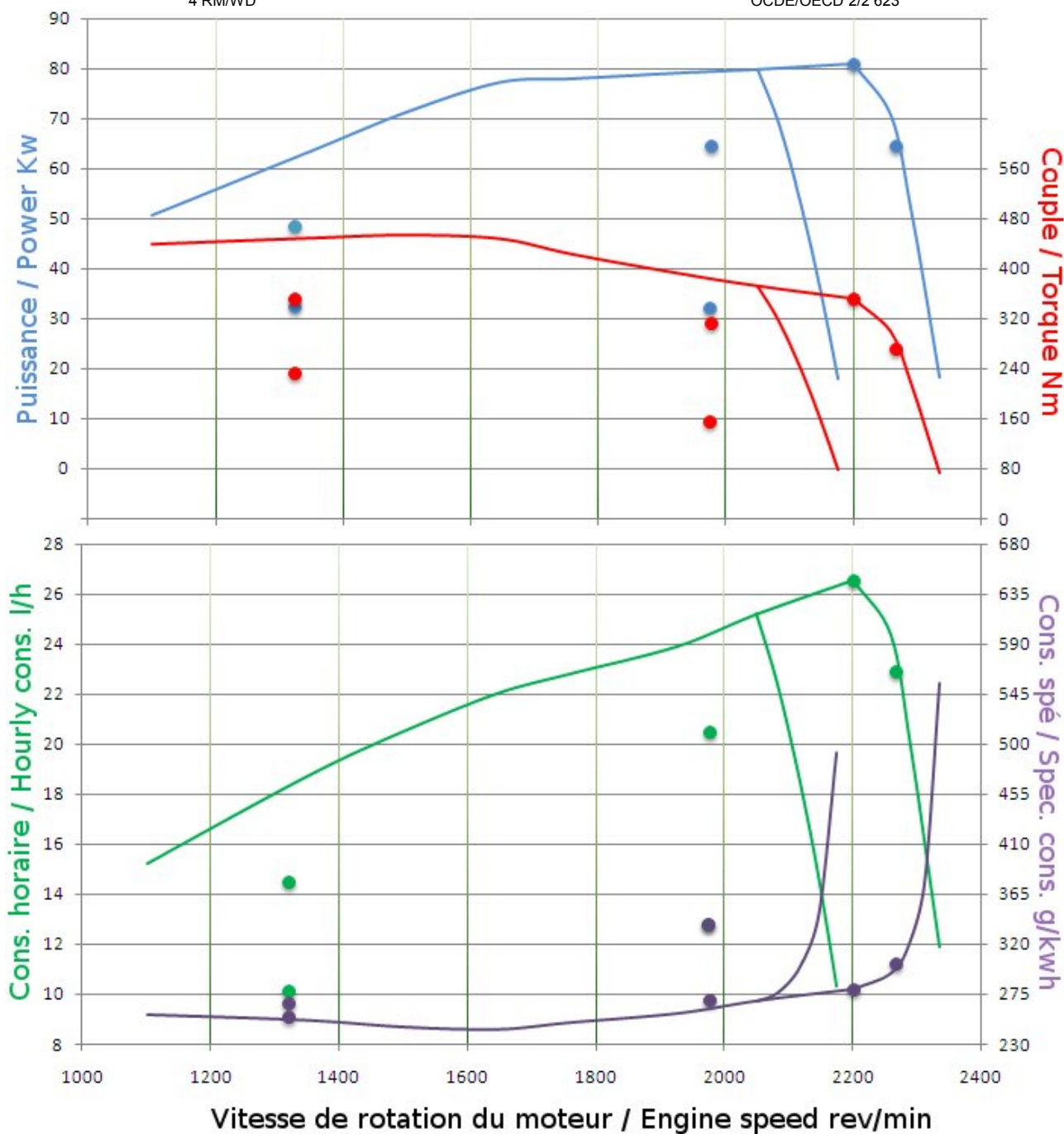
Shanghai New Holland Agricultural

Machinery CO. Ltd.

COTTEC, Luoyang, Henan, China

Shanghai New Holland TS120
4 RM/WD

OCDE/OECD 2/2 623



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Weifang Weichai Deutz Diesel Engine Co., Ltd	TD226B-6IT2
<i>Type, Supercharging</i>	Direct Injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6230 cm ³	Liquid
<i>Gear box</i>		mechanical
<i>Number of forward and reverse speeds</i>	12	12
<i>Speed at rated engine speed</i>	from 2,1	to 31.85 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>	629 min ⁻¹	1073 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

Power take-off Test

One hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	80,91 kW	2200 min ⁻¹	1073 min ⁻¹
<i>Hourly and specific consumption</i>		26,55 l/h	279,7 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	80,91 kW	2200 min ⁻¹	1073 min ⁻¹
<i>Hourly and specific consumption</i>		26,55 l/h	279,7 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	79,79 kW	2050 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		25,20 l/h	269,2 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		453,7 Nm	1501 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	14.9-28	18.4-38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	4949 kg	5649 kg
<i>Maximum drawbar pull</i>	41,66 kN	45,54 kN
<i>at speed of</i>	2,74 km/h	1,88 km/h
<i>Maximum power</i>	64,08 kW	67,31 kW
<i>at speed of</i>	6,26 km/h	6,30 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Open centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	46,8 l/min	17,9 MPa	13,96 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	47,1 l/min	17,9 MPa	14,05 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		38,51 kN	30,88 kN