



OECD approval number

1/2 150

OECD approval date

Full Code

23/07/2004

Make

New Holland

Model

TN 75 DA

Type

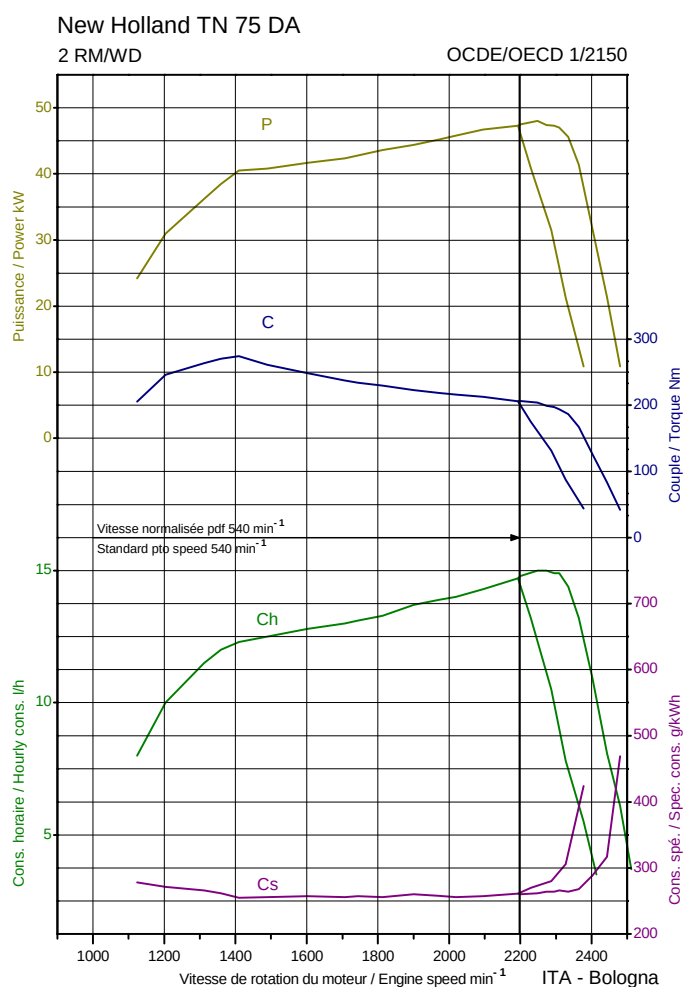
2 WD

E3C2 - 16 speeds - 30 km/h

Manufacturer

CNH International S.A.

Testing station: Università di Bologna, Bologna, Italy



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	CNH Italia	IVECO 8035.25
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	3	vertical in line
<i>Capacity, Cooling</i>	2930 cm ³	Liquid
<i>Gear box</i>		Mechanical synchronized
<i>Number of forward and reverse speeds</i>		16 16
<i>Speed at rated engine speed</i>		from 0.63 to 30.13 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>		565 min ⁻¹ 1017 min ⁻¹
<i>Diameter of the shaft</i>		35 mm 35 mm
<i>Number of splines</i>		6 21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	48.0 kW	2248 min ⁻¹	552 min ⁻¹
---	---------	------------------------	-----------------------

<i>Hourly and specific consumption</i>		15.00 l/h	262 g/kWh
--	--	-----------	-----------

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	47.3 kW	2295 min ⁻¹	564 min ⁻¹
---	---------	------------------------	-----------------------

<i>Hourly and specific consumption</i>		14.90 l/h	264 g/kWh
--	--	-----------	-----------

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	47.3 kW	2193 min ⁻¹	539 min ⁻¹
---	---------	------------------------	-----------------------

<i>Hourly and specific consumption</i>		14.70 l/h	261 g/kWh
--	--	-----------	-----------

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		274.2 Nm	1410 min ⁻¹
---	--	----------	------------------------

Drawbar Test

<i>Front tyres, Rear tyres</i>		7.50 - 16	16.9 R 30
--------------------------------	--	-----------	-----------

Test with tractor

<i>Total Mass</i>		<u>unballasted</u> 2675 kg	<u>ballasted</u> 3165 kg
-------------------	--	----------------------------	--------------------------

<i>Maximum drawbar pull</i>		21.8 kN	24.5 kN
-----------------------------	--	---------	---------

<i>at speed of</i>		1.84 km/h	1.84 km/h
--------------------	--	-----------	-----------

<i>Maximum power</i>		41.0 kW	41.0 kW
----------------------	--	---------	---------

<i>at speed of</i>		9.68 km/h	9.77 km/h
--------------------	--	-----------	-----------

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Opened centre
-------------------------	--	--	---------------

At maximum hydraulic power

<i>Flow rate, Pressure, Power</i>	59.5 l/min	15.9 MPa	15.7 kW
-----------------------------------	------------	----------	---------

Maximum lifting force

<i>at hitch points, at frame</i>		20.4 kN	17.2 kN
----------------------------------	--	---------	---------