



OECD approval number

1/1 808

OECD approval date

Full Code
01/02/1999

Make

Shang Hai

Model

650

Type

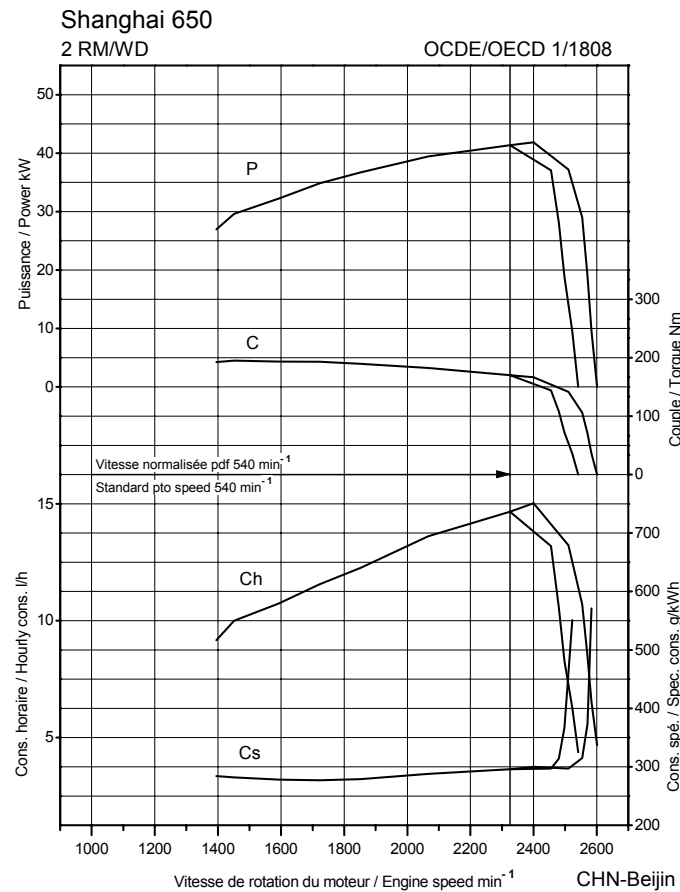
2 WD
40 km/h

Manufacturer

Shanghai Tractor & Internal Combustion Engine Co.
(STEC)

Testing station:

CAMTC, Beijing, China



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Shanghai Tractor & Internal Combustion Engine Co.	4100 A-6 (-7)
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	3610 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 3.13	to 39.21 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>	557 min ⁻¹	1013 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>	41.8 kW	2399 min ⁻¹	557 min ⁻¹
<i>Hourly and specific consumption</i>		15.03 l/h	300 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	41.8 kW	2399 min ⁻¹	557 min ⁻¹
<i>Hourly and specific consumption</i>		15.03 l/h	300 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	41.3 kW	2325 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		14.65 l/h	196 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		195.0 Nm	1451 min ⁻¹
---	--	----------	------------------------

Drawbar Test

<i>Front tyres, Rear tyres</i>	6.50 - 20	13.6 - 32
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	2260 kg	3190 kg
<i>Maximum drawbar pull</i>	15.2 kN	19.3 kN
<i>at speed of</i>	4.69 km/h	4.47 km/h
<i>Maximum power</i>	35.3 kW	35.5 kW
<i>at speed of</i>	9.41 km/h	9.33 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>	33.4 l/min	14.2 MPa	7.9 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		18.4 kN	11.1 kN