

DLG-Data Sheet Tractors 2003

Renault Temis 630 X

OECD Test No. 2/1983 (Date: 05/2002)

Engine

IVECO 8065.05.820, rated engine power 95 kW at 2250 min⁻¹, turbocharger, 6 cylinder, capacity 5861 cm³, bore 104 mm, stroke 115 mm, water cooled, viscous fan, average pressure 8,6 daN/cm², fuel tank capacity 210 l

Measurement at main power take off

	Rated engine speed 2250 min ⁻¹	Engine speed at max power 2050 min ⁻¹
Power	82,3 kW	83,9 kW
Fuel consumption	25,5 l/h	24,5 l/h
Specific fuel cons.	262 g/kWh	247 g/kWh

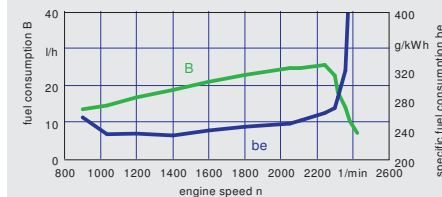


Average fuel consumption of

the 6 measurement points from the governor curve 16,2 l/h, 312 g/kWh

Equivalent flywheel torque

Max. torque 478 Nm at 1030 min⁻¹, torque increase 37 % at a speed drop of 54 %



Torque at engine speed 1000 min⁻¹

136 % rated to the torque at rated engine speed

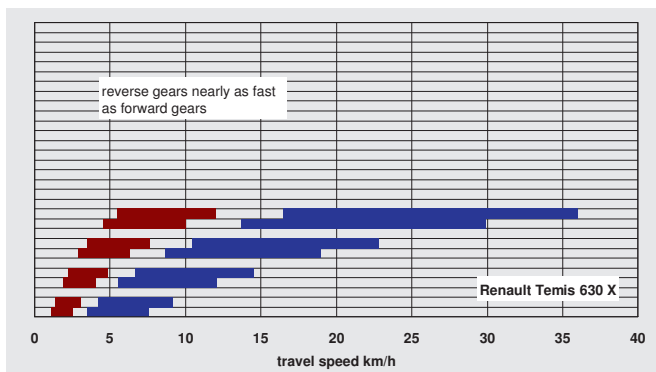
Power take off

2nd plate of main clutch, mechanically-hydraulically operated by hand lever; 1 rear p.t.o., form 1, double shifting

Standard speed	540	540 E	1000	1000E
Engine speed	1970 min ⁻¹	-	2105 min ⁻¹	-

Gearbox

1st plate of main clutch, 16 forward, 16 reverse; selectable gearbox with 4 gears, synchronised; range gearbox with 2 ranges, synchronised; double power shift range; shuttle gearbox, synchronised; 3 shift levers, 2 switches



Speed scheme arranged by groups, for every gear in the speed range from the engine speed at max. torque to the rated engine speed.

Drawbar power

Max. power 79,5 kW at 11,0 km/h and engine speed 2060 min⁻¹, at 276 g/kWh; at rated engine speed 79,1 kW at 12,0 km/h, at 283 g/kWh

Chassis

All wheel drive, central driving shaft, wet multi-disc clutch, electro-hydraulically operated; front self-engaging multi-plate differential lock, rear dog clutch differential lock, electro-hydraulically operated

Front	Tyre 16.9 R 28
Rear	Tyre 20.8 R 38



Brakes

Oil-immersed disc brake at the rear axle; automatic engagement of 4WD

Cab

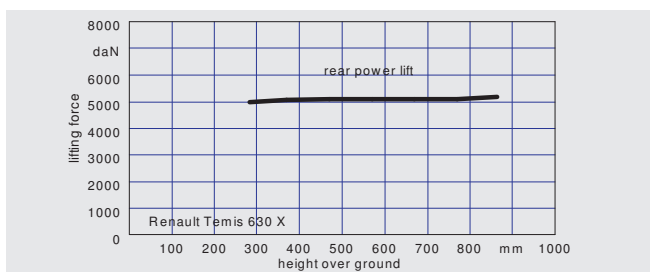
Renault TX1-A, OECD-No. 4/0 640, 2 doors, rear and side windows tiltable, cooling water heat exchanger, air conditioner

Sound levels at drivers ear

	Unloaded	Under load
At 7.5km/h, nominal gear selected, all openings closed	-	-
Open	-	-
In loudest gear, all openings closed	-	-

Hydraulic system

Open centre type; power lift category 2, 2 additional cylinders with 50 mm diameter, electronic lower link sensing



Oil tapping port

Max flow rate 55,6 l/min; max. hydraulic power 13,9 kW at 169 bar and 49,2 l/min; max. pressure 196 bar; oil together with gear box with 60 l capacity, available to external cylinders 10 l

Masses/Axle load

Mass	Test tractor	Permissible total mass
Front	2505 kg	4500 kg
Rear	3070 kg	7750 kg
Total	5575 kg	10000 kg

Tractor mass to engine power ratio 59 kg/kW

Dimensions

Width 2422 mm, length 5074 mm, height at top of exhaust silencer pipe 2855 mm, at cab 2960 mm, wheel base 2719 mm, distance from p.t.o. shaft end to trailer hitch 217 mm, distance from p.t.o. shaft end to lower link couplers 695 mm



Test centre
CEMAGREF, France