

# DLG-Data Sheet Tractors 2003

## Zetor 117 41 Forterra

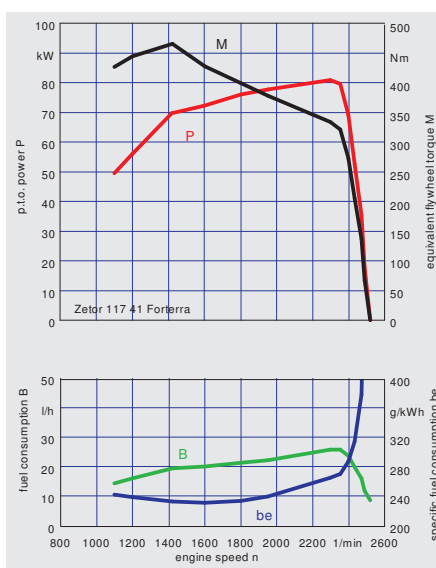
OECD-Test No. 2/2034 (Date: 01/2003)

### Engine

Same-Deutz-Fahr 1000.6WT1, rated engine power 88 kW at 2350 min<sup>-1</sup>, turbocharger, 6 cylinder, capacity 6001 cm<sup>3</sup>, bore 105 mm, stroke 115,5 mm, water cooled, uncontrolled fan, average pressure 7,5 daN/cm<sup>2</sup>, fuel tank capacity 180 l

### Measurement at main power take off

	Rated engine speed 2350 min <sup>-1</sup>	Engine speed at max power 2300 min <sup>-1</sup>
Power	79,6 kW	80,9 kW
Fuel consumption	25,8 l/h	25,7 l/h
Specific fuel cons.	272 g/kWh	267 g/kWh



### Average fuel consumption of

the 6 measurement points from the governor curve 17,6 l/h, 348 g/kWh

### Equivalent flywheel torque

Max. torque 469 Nm at 1420 min<sup>-1</sup>, torque increase 45 % at a speed drop of 40 %

**Torque at engine speed 1000 min<sup>-1</sup>**  
- % rated to the torque at rated engine speed

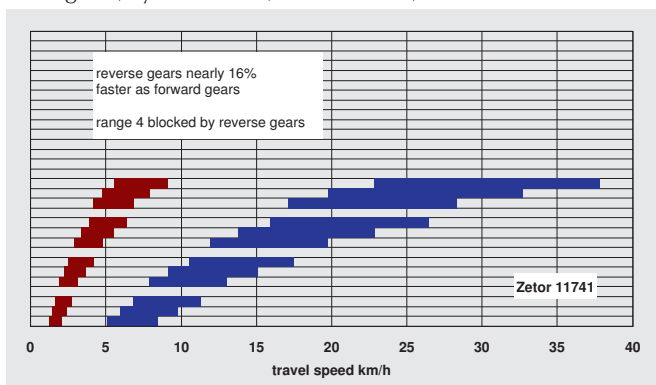
### Power take off

Wet multi-disc clutch, electro-hydraulically operated by switch; 1 rear p.t.o., form 1 or 2; changeable

Standard speed	540	540 E	1000	1000E
Engine speed	1913 min <sup>-1</sup>	-	1950 min <sup>-1</sup>	-

### Gearbox

Dry single disc clutch, 24 forward, 18 reverse; selectable gearbox with 4 gears, synchronised; range gearbox with 2 ranges, unsynchronised; triple power shift range; shuttle gearbox only for 3 gears, synchronised; 2 shift levers, 1 switch



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 71,5 kW at 9,3 km/h and engine speed 2300 min<sup>-1</sup>, at 310 g/kWh; at rated engine speed 70,6 kW at 9,4 km/h, at 314 g/kWh

### Chassis

All wheel drive, side driving shaft with universal joints, wet multi-disc clutch, electro-hydraulically operated; front self-engaging multi-plate differential lock, rear dog clutch differential lock, electro-pneumatically operated

Front	Tyre 14.9 R 24
Rear	Tyre 18.4 R 38

Turning circle: 13,7 m left; 13,8 m right

### Brakes

Oil-immersed disc brake at the rear axle, hydraulically operated; dry disc brake at the front axle driving shaft; maximum mean deceleration 4,6 m/s<sup>2</sup> at 29 daN applied pedal pressure

### Cab

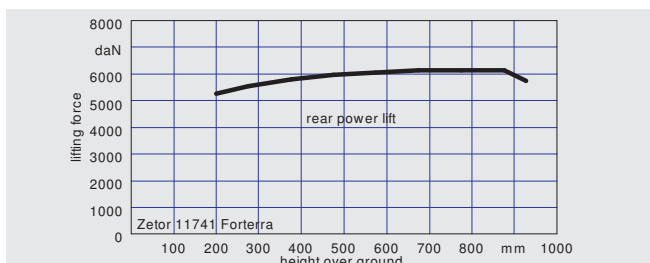
Zetor UBK 7461, OECD-No. 4/0 730, 2 doors, rear and side windows tiltable, cooling water heat exchanger

### 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, 1 additional cylinder with - mm diameter, electronic lower link sensing



### Oil tapping port

Max flow rate 64,0 l/min; max. hydraulic power 11,0 kW at 170 bar and 38,9 l/min; max. pressure 198 bar; oil together with gear box with 40 l capacity, available to external cylinders 12 l

### Masses/Axle load

Mass	Test tractor	Permissible total mass
Front	1925 kg	4000 kg
Rear	2715 kg	6800 kg
Total	4630 kg	8500 kg

Tractor mass to engine power ratio 53 kg/kW

### Dimensions

Width 2315 mm, length 5105 mm, height at top of exhaust silencer pipe 2785 mm, at cab 2780 mm, wheel base 2643 mm, distance from p.t.o. shaft end to trailer hitch 380 mm, distance from p.t.o. shaft end to lower link couplers 562 mm



Test centre  
SZZPLS, Czech Republic