

# DLG-Data Sheet Tractors 2003

## Fendt Favorit 714 Vario

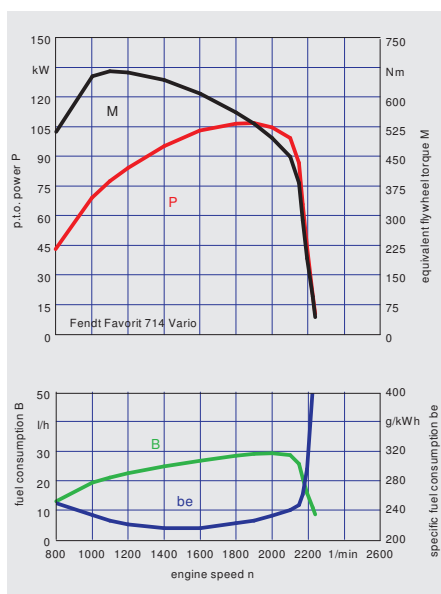
DLG-top agrar-Test Issue No. 12/2002

### Engine

Deutz BF6M 2013C, rated engine power 103 kW at 2100 min<sup>-1</sup>, turbocharger, intercooler, 6 cylinder, capacity 5702 cm<sup>3</sup>, bore 98 mm, stroke 126 mm, water cooled, viscous fan, average pressure 10,3 daN/cm<sup>2</sup>, fuel tank capacity 305 l

### Measurement at main power take off

	Rated engine speed 2100 min <sup>-1</sup>	Engine speed at max power 1900 min <sup>-1</sup>
Power	99,4 kW	106,9 kW
Fuel consumption	28,7 l/h	29,1 l/h
Specific fuel cons.	241 g/kWh	227 g/kWh



### Average fuel consumption of

the 6 measurement points from the governor curve 18,4 l/h, 280 g/kWh

### Equivalent flywheel torque

Max. torque 669 Nm at 1100 min<sup>-1</sup>, torque increase 48 % at a speed drop of 47 %

### Torque at engine speed 1000 min<sup>-1</sup>

145 % rated to the torque at rated engine speed

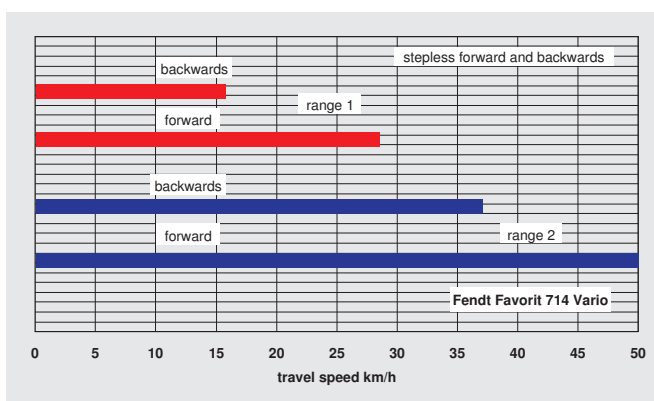
### Power take off

Wet multi-disc clutch, electro-hydraulically operated with switch, 1 rear p.t.o., form 1, triple shifting

Standard speed	540	540 E	1000	1000E
Engine speed	1938 min <sup>-1</sup>	1472 min <sup>-1</sup>	1903 min <sup>-1</sup>	-

### Gearbox

Stepless, variable power branching gearbox, 2 speed ranges for forward and reverse; 1 shift lever, 3 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 86,5 kW at 7,3 km/h and engine speed 1900 min<sup>-1</sup>, at 281 g/kWh; at rated engine speed 81,1 kW at 9,2 km/h, at 296 g/kWh

### Chassis

All wheel drive, central driving shaft with universal joints, wet multi-disc clutch, electro hydraulically operated, front and rear multi-plate differential locks, electro-hydraulically operated; hydro-pneumatically suspended front axle

Front	Tyre 540/65 R 24
Rear	Tyre 600/65 R 38

Turning circle: 14,3 m left, 13,6 m right

### Brakes

Oil-immersed disc brake at the rear axle; oil-immersed disc brake at the front axle driving shaft

### Cab

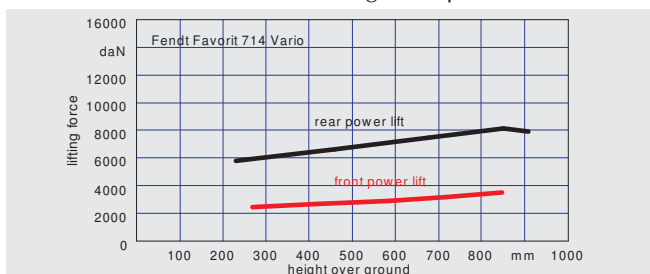
AGCO Fendt 716.810, OECD-No. 4/0 535, 2 doors, rear, front and side windows tiltable, roof hatch, cooling water heat exchanger, air conditioner

### Sound levels at drivers ear

	Unloaded	Under load
At 7.5km/h, nominal gear selected, all openings closed	-	73,0 dB(A)
Open	-	-
In loudest gear, all openings closed	73,0 dB(A)	-

### Hydraulic system

Closed centre type; pressure and flow compensated system; power lift category 3, 2 external cylinders with 100 mm diameter, electronic lower link sensing, front power lift



### Oil tapping port

Max flow rate 111,0 l/min; max. hydraulic power 31,4 kW at 185 bar and 102,0 l/min; max. pressure 207 bar; separate hydraulic oil tank with 50 l capacity, available to external cylinders 45 l

### Masses/Axle load

Mass	Test tractor	Permissible total mass
Front	2540 kg	5000 kg
Rear	3750 kg	7500 kg
Total	6290 kg	11000 kg

Tractor mass to engine power ratio 61 kg/kW

### Dimensions

Width 2510 mm, length 5020 mm, height at top of exhaust silencer pipe 2855 mm, at cab 2860 mm, wheel base 2700 mm, distance from p.t.o. shaft end to trailer hitch 190 mm, distance from p.t.o. shaft end to lower link couplers 620 mm



Test centre  
DLG-Prüfstelle für Landmaschinen