

Fendt Favorit 818 Vario TMS

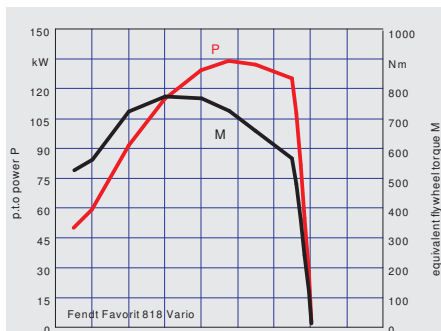
DLG-profi-Test Issue No. 10/2003

Engine

Deutz BF6M 2013C, rated engine power 132 kW at 2100 min⁻¹, turbocharger, intercooler, 6 cylinder, capacity 6871 cm³, bore 108 mm, stroke 125 mm, water cooled, viscous fan, average pressure 11,0 daN/cm², fuel tank capacity 340 l

Measurement at main power take off

	Rated engine speed 2100 min ⁻¹	Engine speed at max power 1750 min ⁻¹
Power	125,3 kW	134,2 kW
Fuel consumption	35,8 l/h	35,8 l/h
Specific fuel cons.	237 g/kWh	222 g/kWh



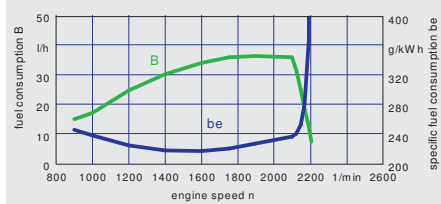
Average fuel consumption of

the 6 measurement points from the governor curve 21,7 l/h, 271 g/kWh

Equivalent flywheel torque

Max. torque 779 Nm at 1400 min⁻¹, torque increase 37 % at a speed drop of 33 %

Torque at engine speed 1000 min⁻¹
99 % rated to the torque at rated engine speed



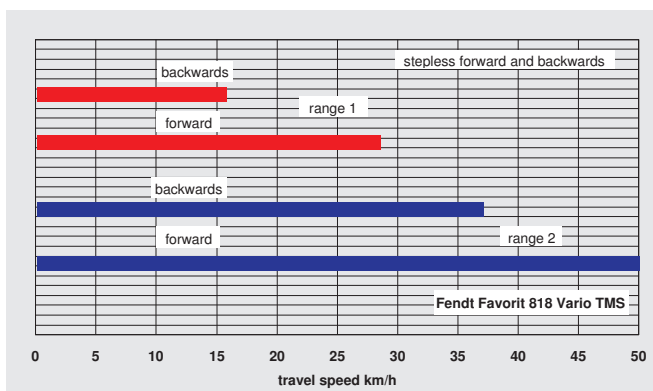
Power take off

Wet multi-disc clutch, electro-hydraulically operated with switch, 1 rear p.t.o., form 1, 2 or 3, triple shifting, changeable

Standard speed	540	540 E	1000	1000E
Engine speed	1938 min ⁻¹	1473 min ⁻¹	1965 min ⁻¹	-

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 111,1 kW at 6,4 km/h and engine speed 1750 min⁻¹, at 268 g/kWh; at rated engine speed 104,7 kW at 8,3 km/h, at 285 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, common electro-hydraulically operated; hydro-pneumatically suspended front axle

Front	Tyre 540/65 R 30
Rear	Tyre 650/65 R 42

Brakes

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

Cab

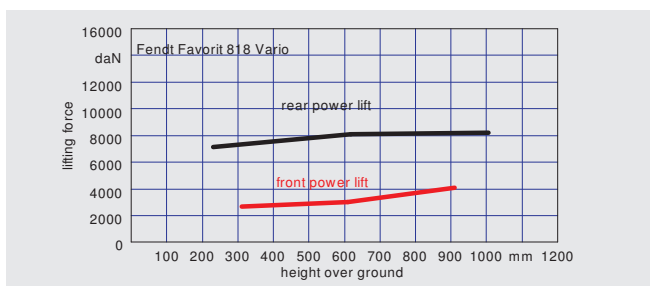
AGCO Fendt 718.810, OECD-No. 4/0 738, 2 doors, rear, front and side windows tiltable, roof hatch, cooling water heat exchanger, air conditioner

Sound levels at drivers ear

	Unloaded	Under load
At 7.5km/h, nominal gear selected, all openings closed	67,3 dB(A)	73,8 dB(A)
Open	80,5 dB(A)	81,7 dB(A)
In loudest gear, all openings closed	67,4 dB(A)	73,8 dB(A)

Hydraulic system

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



Oil tapping port

Max flow rate 112,5 l/min; max. hydraulic power 31,4 kW at 190 bar and 99,0 l/min; max. pressure 207 bar; separate hydraulic oil tank with 50 l capacity, available to external cylinders 40 l

Masses/Axle load

Mass	Test tractor	Permissible total mass
Front	2850 kg	5400 kg
Rear	5495 kg	8000 kg
Total	8345 kg	12500 kg

Tractor mass to engine power ratio 63 kg/kW

Dimensions

Width 2555 mm, length 5130 mm, height at top of exhaust silencer pipe 2960 mm, at cab 2990 mm, wheel base 2700 mm, distance from p.t.o. shaft end to trailer hitch 220 mm, distance from p.t.o. shaft end to lower link couplers 680 mm



Test centre
DLG-Prüfstelle für Landmaschinen

profi