DLG-Data Sheet Tractors 2003

Deutz-Fahr Agrotron 1160 ttv

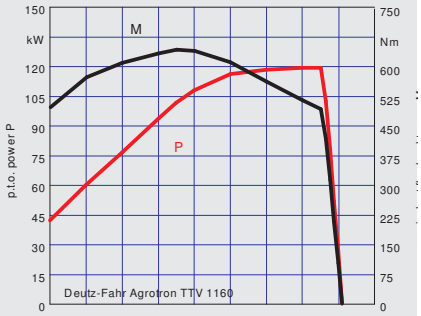
DLG-profi Test Issue No. 04/2003

Engine

Deutz BF6M 1013 E, rated engine power 110 kW at 2300 min^{-1}, turbocharger, 6 cylinder, capacity 7146 cm^3, bore 108 mm, stroke 130 mm, water cooled, viscous fan, average pressure 8,0 daN/cm^2, fuel tank capacity 270 l

Measurement at main power take off

	Rated engine speed 2300 min^{-1}	*Engine speed at max power 2000 min^{-1}*
Power	101,6 kW	105,6 kW
Fuel consumption	34,0 l/h	32,5 l/h
Specific fuel cons.	280 g/kWh	256 g/kWh



Average fuel consumption of

the 6 measurement points from the governor curve 23,2 l/h, 359 g/kWh

Equivalent flywheel torque

Max. torque 596 Nm at 1500 min^{-1}, torque increase 42 % at a speed drop of 35 %

Torque at engine speed 1000 min^{-1}

126 % rated to the torque at rated engine speed

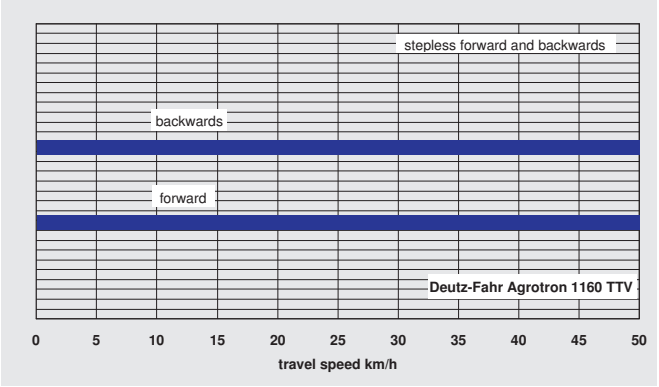
Power take off

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

Standard speed	540	540 E	1000	1000E
Engine speed	1093 min^{-1}	889 min^{-1}	2036 min^{-1}	2036 min^{-1}

Gearbox

Stepless, variable power branching gearbox with 4 gears, shuttle gearbox, power shifted; 1 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 88,4 kW at 8,0 km/h and engine speed 2000 min^{-1}, at 301 g/kWh; at rated engine speed 85,7 kW at 9,3 km/h, at 334 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

Front	Tyre 540/65 R 28
Rear	Tyre 650/65 R 38

Brakes

Oil-immersed disc brake at the rear axle, automatic engagement of 4WD; maximum mean deceleration 3,9 m/s^2 at 60 daN applied pedal pressure

Cab

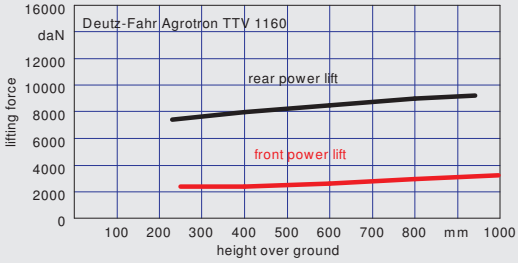
Same-Deutz-Fahr GC4, OECD-No. 4/0 669, 2 doors, rear and front windows tiltable, roof hatch, cooling water heat exchanger, air conditioner

Sound levels at drivers ear

	Unloaded	*Under load*
At 7.5km/h, nominal gear selected, all openings closed	75,0 dB(A)	75,0 dB(A)
Open	83,0 dB(A)	84,0 dB(A)
In loudest gear, all openings closed	76,0 dB(A)	77,0 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 119,4 l/min; max. hydraulic power 33,9 kW at 185 bar and 110,2 l/min; max. pressure 205 bar; oil together with gearbox with 80 l capacity, available to external cylinders 40 l

Masses/Axle load

Mass	*Test tractor*	*Permissable total mass*
Front	2650 kg	4700 kg
Rear	4410 kg	8000 kg
Total	7060 kg	9500 kg

Tractor mass to engine power ratio 64 kg/kW

Dimensions

Width 2510 mm, length 5200 mm, height at top of exhaust silencer pipe 2895 mm, at cab 2965 mm, wheel base 2767 mm, distance from p.t.o. shaft end to trailer hitch 192 mm, distance from p.t.o. shaft end to lower link couplers 660 mm

Test centre
DLG-Prüfstelle für Landmaschinen

profi