

Deutz-Fahr Agrotron 135 MK3

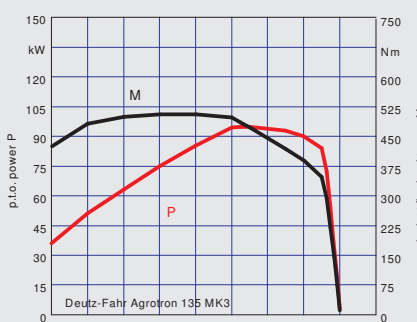
DLG-top agrar Test Issue No. 12/2002

Engine

Deutz BF6M 1013 E, rated engine power 103 kW at 2300 min⁻¹, turbocharger, 6 cylinder, capacity 7146 cm³, bore 108 mm, stroke 130 mm, water cooled, average pressure 7,3 daN/cm², fuel tank capacity 270 l

Measurement at main power take off

	Rated engine speed 2300 min ⁻¹	Engine speed at max power 1850 min ⁻¹
Power	84,0 kW	94,6 kW
Fuel consumption	28,4 l/h	27,8 l/h
Specific fuel cons.	282 g/kWh	245 g/kWh

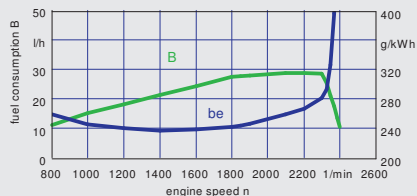


Average fuel consumption of

the 6 measurement points from the governor curve 19,4 l/h, 363 g/kWh

Equivalent flywheel torque

Max. torque 508 Nm at 1400 min⁻¹, torque increase 46 % at a speed drop of 39 %



Torque at engine speed 1000 min⁻¹

132 % rated to the torque at rated engine speed

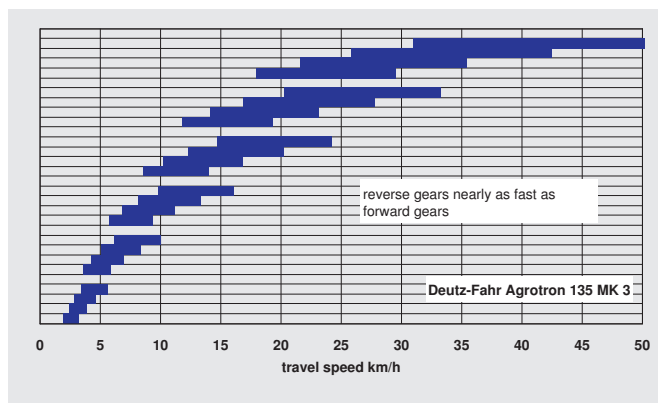
Power take off

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

Standard speed	540	540 E	1000	1000E
Engine speed	2208 min ⁻¹	1608 min ⁻¹	2197 min ⁻¹	1600 min ⁻¹

Gearbox

Wet multi-disc clutch, 24 forward, 24 reverse, selectable gearbox with 6 gears, synchronised, quadruple power shift range; shuttle gearbox, power shifted, 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 83,8 kW at 7,9 km/h and engine speed 1850 min⁻¹, at 279 g/kWh; at rated engine speed 75,3 kW at 9,3 km/h, at 318 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

Cab

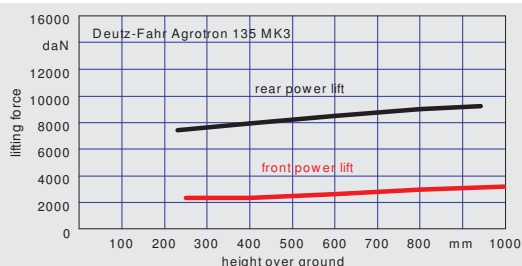
Same-Deutz-Fahr GC4, OECD-No. 4/0 669, 2 doors, rear, front and side windows tiltable, roof hatch, cooling water heat exchanger, air conditioner

Sound levels at drivers ear

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

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 117,9 l/min; max. hydraulic power 35,6 kW at 190 bar and 112,4 l/min; max. pressure 205 bar; oil together with gearbox with 72 l capacity, available to external cylinders 40 l

Masses/Axle load

Mass	Test tractor	Permissible total mass
Front	2570 kg	4700 kg
Rear	3845 kg	7200 kg
Total	6515 kg	9000 kg

Tractor mass to engine power ratio 63 kg/kW

Dimensions

Width 2520 mm, length 5200 mm, height at top of exhaust silencer pipe 2860 mm, at cab 2960 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