DLG-Data Sheet Tractors 2003

Massey Ferguson 8250 xtra

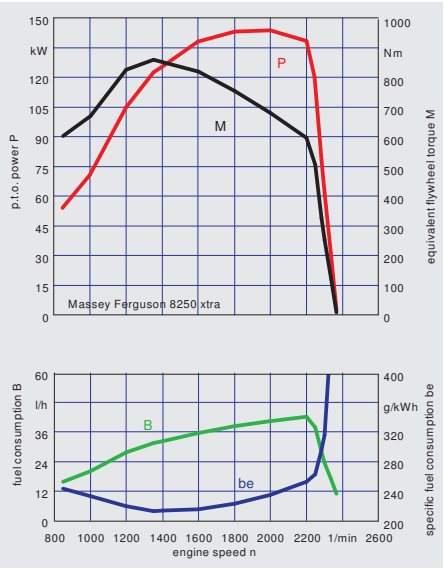
DLG-profi Test Issue No. 05/2003

Engine

SISU 634DWBAE, rated engine power 147 kW at 2200 min^{-1}, turbocharger, intercooler, 6 cylinder, capacity 7095 cm^3, bore 108 mm, stroke 134 mm, water cooled, viscous fan, average pressure 11,3 daN/cm^2, fuel tank capacity 410 l

Measurement at main power take off

	Rated engine speed 2200 min^{-1}	*Engine speed at max power 2000 min^{-1}*
Power	138,4 kW	143,6 kW
Fuel consumption	42,0 l/h	40,6 l/h
Specific fuel cons.	254 g/kWh	236 g/kWh



Average fuel consumption of

the 6 measurement points from the governor curve 26,5 l/h, 308 g/kWh

Equivalent flywheel torque

Max. torque 865 Nm at 1350 min^{-1}, torque increase 44 % at a speed drop of 39 %

Torque at engine speed 1000 min^{-1}

112 % rated to the torque at rated engine speed

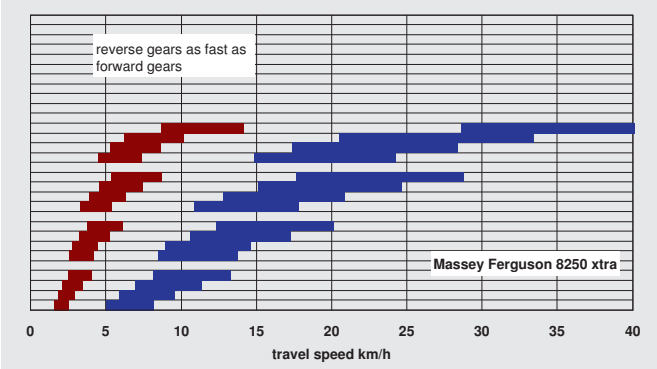
Power take off

Wet multi-disc clutch, electro-hydraulically operated by lever; 1 rear p.t.o., form 1, double shifting; changeable

Standard speed	540	540 E	1000	1000E
Engine speed	1440 min^{-1}	-	2090 min^{-1}	-

Gearbox

Wet multi-disc clutch, 32 forward, 32 reverse; selectable gearbox with 4 gears, power shifted; 1 range gearbox with 4 ranges, synchronised; 2 range gearboxes with 2 ranges, unsynchronised; shuttle gearbox, power shifted; 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 118,9 kW at 6,7 km/h and engine speed 1860 min^{-1}, at 267 g/kWh; at rated engine speed 112,1 kW at 8,1 km/h, at 305 g/kWh



Chassis

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

Front	Tyre 600/65 R 28
Rear	Tyre 650/75 R 38

Brakes

Oil-immersed disc brake at the rear axle; automatic engagement of 4WD; maximum mean deceleration 4,6 m/s^2 at 40 daN applied pedal pressure

Cab

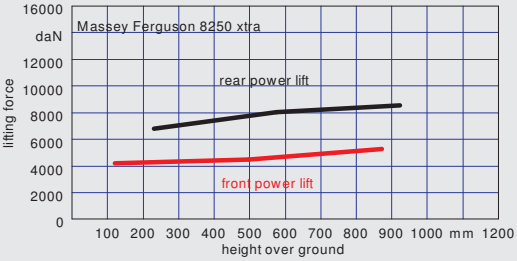
MF 5002, 2 doors, rear window tiltable, roof hatch, cooling water heat exchanger, air conditioner

Sound levels at drivers ear

	Unloaded	*Under load*
At 7.5km/h, nominal gear selected, all openings closed	72,5 dB(A)	76,0 dB(A)
Open	80,5 dB(A)	82,5 dB(A)
In loudest gear, all openings closed	73,0 dB(A)	76,5 dB(A)

Hydraulic system

Closed centre type; pressure and flow compensated system, power lift category 3, 2 external cylinders with 95 mm diameter, electronic lower link sensing, front power lift



Oil tapping port

Max flow rate 121,7 l/min; max. hydraulic power 32,1 kW at 170 bar and 113,2 l/min; max. pressure 195 bar; oil together with gear box with 135 l capacity, available to external cylinders 35 l

Masses/Axle load

Mass	*Test tractor*	*Permissable total mass*
Front	3640 kg	4600 kg
Rear	5145 kg	7400 kg
Total	8785 kg	12000 kg

Tractor mass to engine power ratio 60 kg/kW

Dimensions

Width 2690 mm, length 5675 mm, height at top of exhaust silencer pipe 3055 mm, at cab 3070 mm, wheel base 3075 mm, distance from p.t.o. shaft end to trailer hitch 180 mm, distance from p.t.o. shaft end to lower link couplers 580 mm

Test centre
DLG-Prüfstelle für Landmaschinen

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