

DLG-Data Sheet Tractors 2003

Massey Ferguson 4355

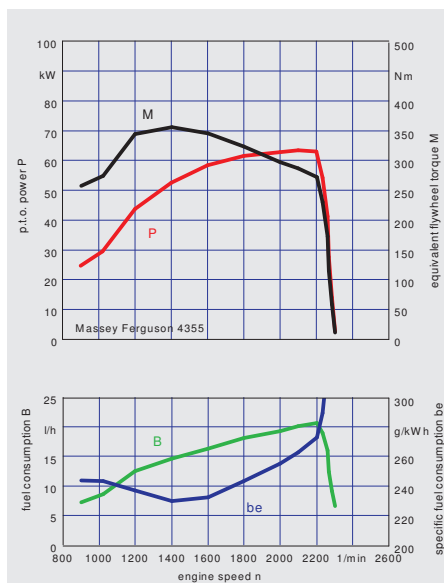
DLG-profi Test Issue No. 11/2002

Engine

Perkins 100.40TWG, rated engine power 74 kW at 2200 min⁻¹, turbocharger, 4 cylinder, capacity 3990 cm³, bore 100 mm, stroke 127 mm, water cooled, uncontrolled fan, average pressure 10,1 daN/cm², fuel tank capacity 127 l

Measurement at main power take off

	Rated engine speed 2200 min ⁻¹	Engine speed at max power 2100 min ⁻¹
Power	62,9 kW	63,4 kW
Fuel consumption	20,7 l/h	20,1 l/h
Specific fuel cons.	273 g/kWh	263 g/kWh



Average fuel consumption of

the 6 measurement points from the governor curve 13,9 l/h, 344 g/kWh

Equivalent flywheel torque

Max. torque 358 Nm at 1400 min⁻¹, torque increase 31 % at a speed drop of 36 %

Torque at engine speed 1000 min⁻¹

101 % rated to the torque at rated engine speed

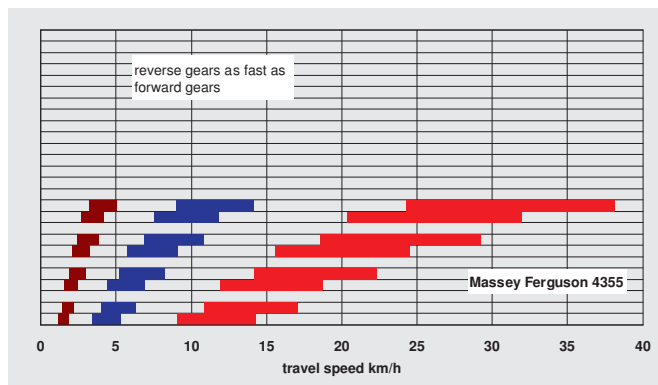
Power take off

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

Standard speed	540	540 E	1000	1000E
Engine speed	1902 min ⁻¹	-	2000 min ⁻¹	-

Gearbox

Wet multi-disc clutch, 24 forward, 24 reverse; selectable gearbox with 4 gears, synchronised; range gearbox with 3 gears, synchronised; shuttle gearbox, power shifted; double 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 52,5 kW at 8,5 km/h and engine speed 2100 min⁻¹, at 321 g/kWh; at rated engine speed 51,6 kW at 8,9 km/h, at 336 g/kWh

Chassis

All wheel drive, central driving shaft, dog clutch, electro-hydraulically operated; front and rear dog clutch differential lock, electro-hydraulically operated

Front	Tyre 440/65 R 28
Rear	Tyre 540/65 R 38



Brakes

Hydraulically operated, oil-immersed disc brake at the rear axle; automatic engagement of 4WD; maximum mean deceleration 3,9 m/s² at 60 daN applied pedal pressure

Cab

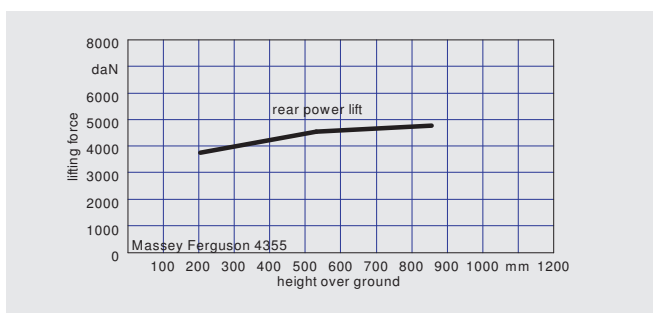
MF 5001, OECD-No. CSS 0434/2, 2 doors, rear and side windows tiltable, roof hatch, cooling water heat exchanger, air conditioner

Sound levels at drivers ear

	Unloaded	Under load
At 7.5km/h, nominal gear selected, all openings closed	77,5 dB(A)	81,0 dB(A)
Open	84,0 dB(A)	86,5 dB(A)
In loudest gear, all openings closed	-	-

Hydraulic system

Open centre type; power lift category 2, 2 additional cylinders with 40 mm diameter, hydraulic upper link sensing



Oil tapping port

Max flow rate 72,3 l/min; max. hydraulic power 19,4 kW at 180 bar and 64,7 l/min; max. pressure 226 bar; oil together with gear box with 50 l capacity, available to external cylinders 20 l

Masses/Axle load

Mass	Test tractor	Permissible total mass
Front	1775 kg	3320 kg
Rear	2535 kg	4550 kg
Total	4310 kg	7870 kg

Tractor mass to engine power ratio 58 kg/kW

Dimensions

Width 2260 mm, length 4065 mm, height at top of exhaust silencer pipe 2590 mm, at cab 2733 mm, wheel base 2350 mm, distance from p.t.o. shaft end to trailer hitch 155 mm, distance from p.t.o. shaft end to lower link couplers 680 mm



Test centre
DLG-Prüfstelle für Landmaschinen

