

DLG-Data Sheet Tractors 2003

Massey Ferguson 6290

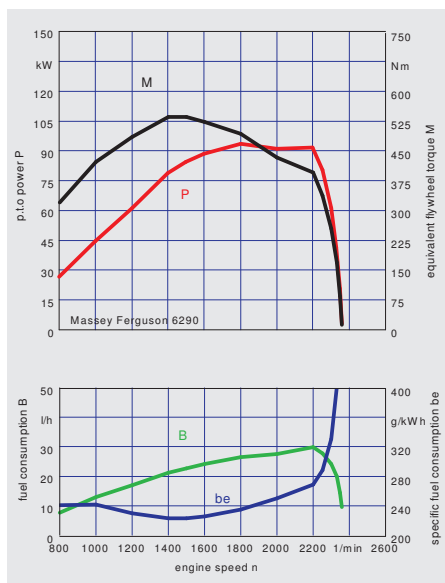
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Engine

Perkins 100.6.6T, rated engine power 99 kW at 2200 min⁻¹, turbocharger, 6 cylinder, capacity 5985 cm³, bore 100 mm, stroke 127 mm, water cooled, viscous fan, average pressure 9,0 daN/cm², fuel tank capacity 225 l

Measurement at main power take off

	Rated engine speed 2200 min ⁻¹	Engine speed at max power 1800 min ⁻¹
Power	91,9 kW	93,5 kW
Fuel consumption	29,8 l/h	26,5 l/h
Specific fuel cons.	271 g/kWh	236 g/kWh



Average fuel consumption of

the 6 measurement points from the governor curve 20,9 l/h, 352 g/kWh

Equivalent flywheel torque

Max. torque 538 Nm at 1500 min⁻¹, torque increase 35 % at a speed drop of 32 %

Torque at engine speed 1000 min⁻¹

107 % rated to the torque at rated engine speed

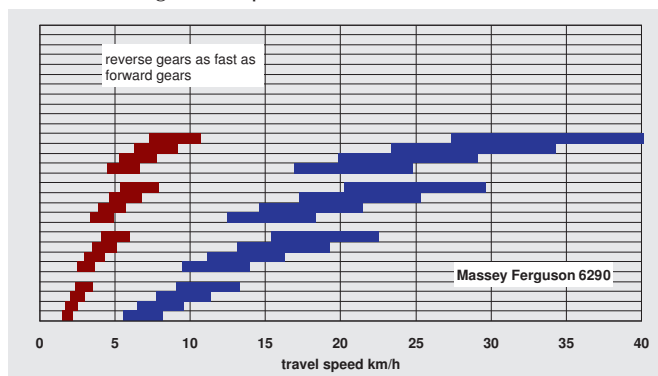
Power take off

Wet multi-disc clutch, electro-hydraulically operated by switch; 1 rear p.t.o., form 1 or 2, quadruple shifting; changeable

Standard speed	540	540 E	1000	1000E
Engine speed	1980 min ⁻¹	1533 min ⁻¹	2000 min ⁻¹	1548 min ⁻¹

Gearbox

Wet multi-disc clutch, 32 forward, 32 reverse; selectable gearbox with 4 gears, power shifted; 1 range gearbox with 3 ranges, synchronised; 2 range gearboxes with 2 ranges, synchronised; 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 80,0 kW at 7,5 km/h and engine speed 1800 min⁻¹, at 276 g/kWh; at rated engine speed 70,5 kW at 8,1 km/h, at 350 g/kWh

Chassis

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

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

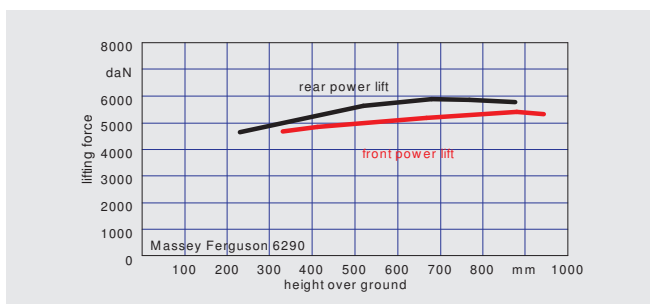
MF 65831, 2 doors, rear and side windows tiltable, roof hatch, cooling water heat exchanger, air conditioner

Sound levels at drivers ear

	Unloaded	Under load
At 7.5km/h, nominal gear selected, all openings closed	-	75,5 dB(A)
Open	-	-
In loudest gear, all openings closed	77,0 dB(A)	-

Hydraulic system

Closed centre type; pressure and flow compensated system, power lift category 3, 2 additional cylinders with 115 mm diameter, electronic upper link sensing, front power lift



Oil tapping port

Max flow rate 116,3 l/min; max. hydraulic power 30,8 kW at 180 bar and 102,7 l/min; max. pressure 195 bar; oil together with gear box with 70 l capacity, available to external cylinders 25 l

Masses/Axle load

Mass	Test tractor	Permissible total mass
Front	2880 kg	3400 kg
Rear	3540 kg	5850 kg
Total	6420 kg	9250 kg

Tractor mass to engine power ratio 65 kg/kW

Dimensions

Width 2505 mm, length 5170 mm, height at top of exhaust silencer pipe 2880 mm, at cab 2900 mm, wheel base 2700 mm, distance from p.t.o. shaft end to trailer hitch 175 mm, distance from p.t.o. shaft end to lower link couplers 712 mm



Test centre

DLG-Prüfstelle für Landmaschinen