

DLG-Data Sheet Tractors 2003

John Deere 6920 AutoPower, TIER 2

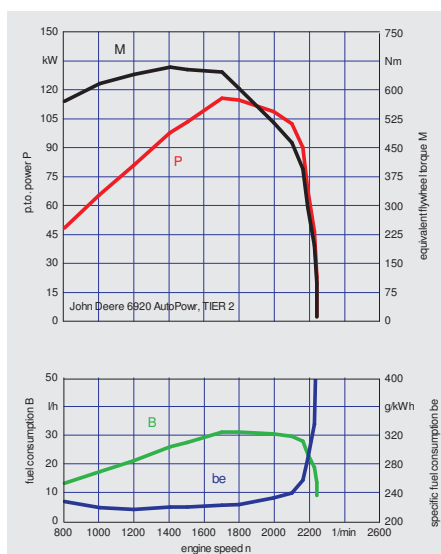
DLG-profi-Test Issue No. 05/2003

Engine

John Deere 6068HLA73/4VHPCR, Common Rail, rated engine power 110 kW at 2100 min⁻¹, turbocharger, intercooler, 6 cylinder, 4 valves, capacity 6790 cm³, bore 106.5 mm, stroke 127 mm, water cooled, viscous fan, average pressure 9.3 daN/cm², fuel tank capacity 207 l

Measurement at main power take off

	Rated engine speed 2100 min ⁻¹	Engine speed at max power 1700 min ⁻¹
Power	102.4 kW	115.8 kW
Fuel consumption	29.6 l/h	31.1 l/h
Specific fuel cons.	241 g/kWh	224 g/kWh



Average fuel consumption of

the 6 measurement points from the governor curve 20.4 l/h, 306 g/kWh

Equivalent flywheel torque

Max. torque 662 Nm at 1400 min⁻¹, torque increase 42 % at a speed drop of 33 %

Torque at engine speed 1000 min⁻¹

133 % rated to the torque at rated engine speed

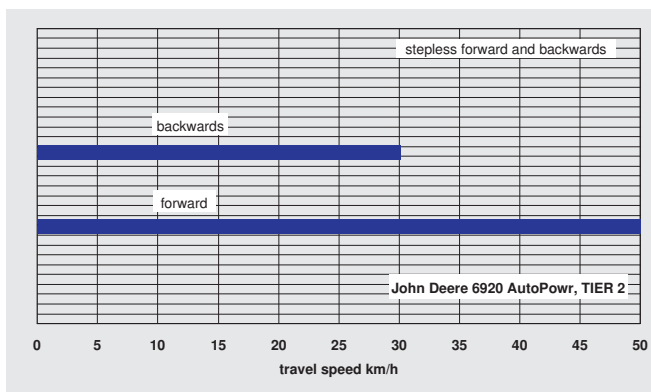
Power take off

Wet multi-disc clutch, electro-hydraulically operated by rotary switch, 1 rear p.t.o., form 1, triple shifting, changeable

Standard speed	540	540 E	1000	1000E
Engine speed	1995 min ⁻¹	1743 min ⁻¹	1995 min ⁻¹	-

Gearbox

Stepless, variable power branching gearbox with 4 gears; shuttle gearbox, power shifted; 2 shift levers



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 97.6 kW at 7.2 km/h and engine speed 1700 min⁻¹, at 265 g/kWh; at rated engine speed 89.4 kW at 9.3 km/h, at 278 g/kWh

Chassis

All wheel drive, central driving shaft with universal joints, wet multi-disc clutch, electro hydraulically operated, front self-engaging multi-plate differential lock, rear multi-plate differential lock, 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; hydraulically operated; automatic engagement of 4WD

Cab

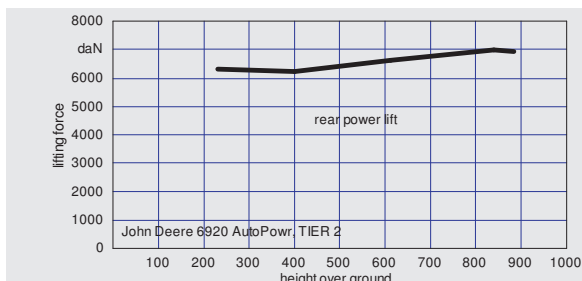
John Deere SG 068, OECD-No. 4/0 742, 2 doors, rear and side windows tiltable, roof hatch, cooling water heat exchanger, air conditioner

Sound levels at drivers ear

	Unloaded	Under load
At 7.5km/h, nominal gear selected, all openings closed	70.0 dB(A)	72.5 dB(A)
Open	79.0 dB(A)	81.0 dB(A)
In loudest gear, all openings closed	72.0 dB(A)	74.0 dB(A)

Hydraulic system

Closed centre type; pressure and flow compensated system; power lift category 3; 2 external cylinders with 85 mm diameter, electronic lower link sensing



Oil tapping port

Max flow rate 113.1 l/min (2 coupler pairs); max. hydraulic power 33.6 kW at 190 bar and 106.1 l/min (2 coupler pairs); max. pressure 207 bar; oil together with gear box with 65 l capacity, available to external cylinders 25 l (stationary), 15 l (in transport)

Masses/Axle load

Mass	Test tractor	Permissible total mass
Front	2640 kg	4070 kg
Rear	3950 kg	6640 kg
Total	6590 kg	10710 kg

Tractor mass to engine power ratio 60 kg/kW

Dimensions

Width 2430 mm, length 5380 mm, height at top of exhaust silencer pipe 2895 mm, at cab 2915 mm, wheel base 2650 mm, distance from p.t.o. shaft end to trailer hitch 180 mm, distance from p.t.o. shaft end to lower link couplers 530 mm



Test centre
DLG-Prüfstelle für Landmaschinen

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