John Deere 9300T PowerSync

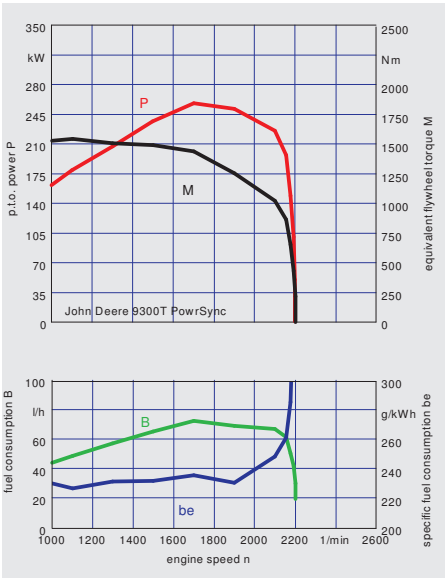
OECD-Test No. 2/1966 (Date 09/2001)

Engine

John Deere 6125HRW06, rated engine power 275,5 kW at 2100 min^{-1}, turbocharger, intercooler, 6 cylinder, capacity 12535 cm^3, bore 127 mm, stroke 165 mm, water cooled, viscous fan, average pressure 12,5 daN/cm^2, fuel tank capacity 1143 l

Measurement at main power take off

	Rated engine speed 2100 min^{-1}	*Engine speed at max power 1700 min^{-1}*
Power	225,8 kW	257,6 kW
Fuel consumption	66,7 l/h	72,3 l/h
Specific fuel cons.	249 g/kWh	236 g/kWh



Average fuel consumption of

the 6 measurement points from the governor curve 44,9 l/h, 314 g/kWh

Equivalent flywheel torque

Max. torque 1550 Nm at 1100 min^{-1}, torque increase 51 % at a speed drop of 48 %

Torque at engine speed 1000 min^{-1}

132 % rated to the torque at rated engine speed

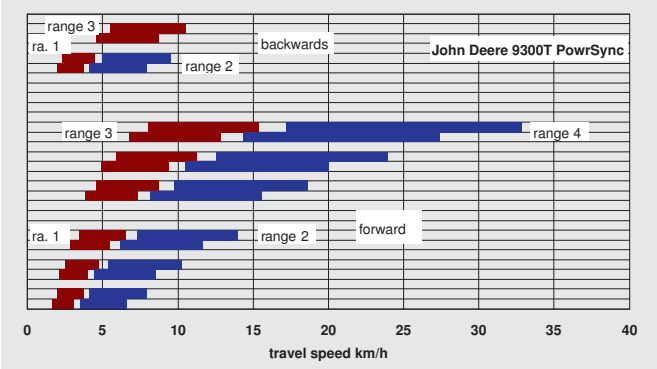
Power take off

Wet multi-disc clutch, hydraulic hand operated lever, 1 rear p.t.o., form 3

Standard speed	540	540 E	1000	1000E
Engine speed	-	-	1895 min^{-1}	-

Gearbox

Wet multi-disc clutch, 24 forward, 6 reverse; selectable gearbox with 3 gears forward and 1 gear reverse, synchronised; range gearbox with 4 ranges, synchronised; shuttle gearbox for 3 ranges, synchronised; double power shift range; 3 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 226,8 kW at 7,5 km/h and engine speed 1700 min^{-1}, at 267 g/kWh; at rated engine speed 195,9 kW at 9,3 km/h, at 287 g/kWh



Chassis

Caterpillar track

Track width	762 mm
Contact Length	2819 mm

Brakes

Oil-immersed disc brake at the rear axle

Cab

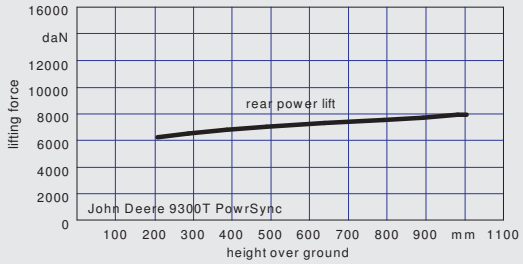
John Deere SG 063, 1 door, rear window tiltable, cooling water heat exchanger, air conditioner

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 90 mm diameter, electronic lower link sensing



Oil tapping port

Max flow rate 174,5 l/min; max. hydraulic power 46,1 kW at 170 bar and 163,2 l/min; max. pressure 202 bar; separate hydraulic oil tank with 87 l capacity, available to external cylinders 52 l

Masses/Axle load

Mass	*Test tractor*	*Permissable total mass*
Front	-	-
Rear	-	-
Total	19017 kg	22700 kg

Tractor mass to engine power ratio 69 kg/kW

Dimensions

Width 3646 mm, length 6020 mm, height at top of exhaust silencer pipe 3835 mm, at cab 3454 mm, wheel base 2819 mm, distance from p.t.o. shaft end to trailer hitch - mm, distance from p.t.o. shaft end to lower link couplers 623 mm

Test centre

Nebraska, USA