John Deere 9400T PowerSync

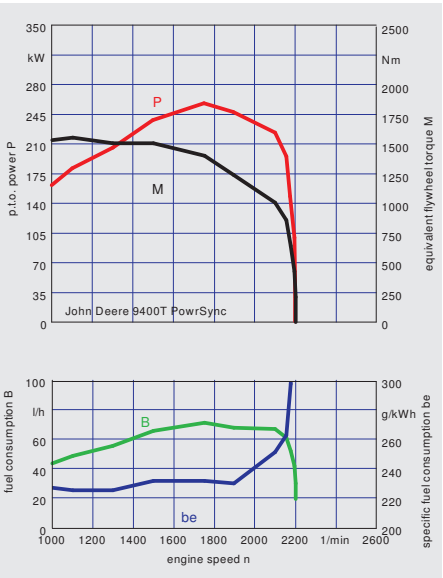
OECD-Test No. 2/19667(Date 09/2001)

Engine

John Deere 6125HRW08, rated engine power 312,5 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 14,2 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 1750 min^{-1}*
Power	223,5 kW	258,4 kW
Fuel consumption	66,8 l/h	71,3 l/h
Specific fuel cons.	252 g/kWh	232 g/kWh



Average fuel consumption of

the 6 measurement points from the governor curve 45,2 l/h, 319 g/kWh

Equivalent flywheel torque

Max. torque 1564 Nm at 1100 min^{-1}, torque increase 54 % at a speed drop of 48 %

Torque at engine speed 1000 min^{-1}

169 % rated to the torque at rated engine speed

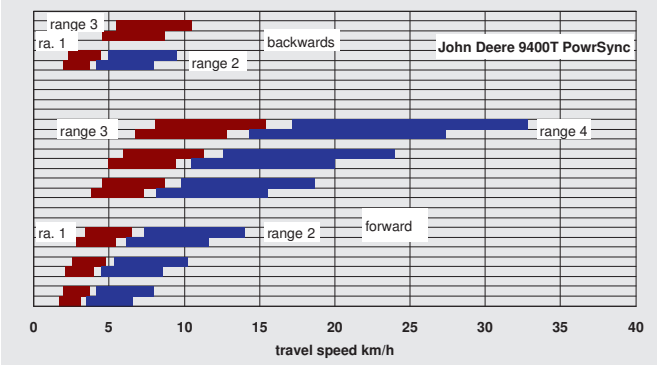
Power take off

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 273,2 kW at 7,9 km/h and engine speed 1800 min^{-1}, at 254 g/kWh; at rated engine speed 238,7 kW at 9,3 km/h, at 268 g/kWh



Chassis

Caterpillar track

Track width	915 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 4, 2 external cylinders with - mm diameter, electronic lower link sensing



Oil tapping port

Max flow rate 176,2 l/min; max. hydraulic power 46,2 kW at 168 bar and 165 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	19257 kg	22700 kg

Tractor mass to engine power ratio 62 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