January 2002

Test 1804: John Deere 9320T 18 Speed

Nebraska Tractor Test Lab
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NEBRASKA OECD TRACTOR TEST 1804–SUMMARY 370
JOHN DEERE 9320T DIESEL
18 SPEED

POWER TAKE-OFF PERFORMANCE

Power HP *(kW)*	Crank shaft speed rpm	Gal/hr *(l/h)*	lb/hp.hr *(kg/kW.h)*	Hp.hr/gal *(kW.h/l)*	Mean Atmospheric Conditions
MAXIMUM POWER AND FUEL CONSUMPTION					
		Rated Engine Speed (PTO speed 1108 rpm)			
333.14 *(248.42)*	2100	19.66 *(74.43)*	0.416 *(0.253)*	16.94 *(3.34)*	
		Standard Power Take-off Speed (PTO speed 1000 rpm)			
358.95 *(267.67)*	1895	20.30 *(76.84)*	0.398 *(0.242)*	17.68 *(3.48)*	
		Maximum Power (2 hours)			
389.14 *(290.18)*	1700	22.15 *(83.85)*	0.401 *(0.244)*	17.57 *(3.46)*	
VARYING POWER AND FUEL CONSUMPTION					
333.14 *(248.42)*	2101	19.66 *(74.43)*	0.416 *(0.253)*	16.94 *(3.34)*	Air temperature
290.63 *(216.72)*	2155	18.06 *(68.38)*	0.438 *(0.266)*	16.09 *(3.17)*	75°F *(24°C)*
220.03 *(164.07)*	2173	15.34 *(58.06)*	0.491 *(0.299)*	14.35 *(2.83)*	Relative humidity
147.34 *(109.87)*	2189	12.52 *(47.41)*	0.599 *(0.364)*	11.76 *(2.32)*	18%
74.04 *(55.21)*	2211	9.33 *(35.32)*	0.887 *(0.540)*	7.94 *(1.56)*	Barometer
1.12 *(0.84)*	2234	5.71 *(21.61)*	35.816 *(21.786)*	0.20 *(0.04)*	29.25" Hg *(99.05 kPa)*

Maximum Torque - 1291 lb.-ft. *(1750 Nm)* at 1102 rpm
Maximum Torque Rise - 55.0%
Torque rise at 1700 engine rpm - 44%

DRAWBAR PERFORMANCE(Unballasted)
FUEL CONSUMPTION CHARACTERISTICS

Power Hp *(kW)*	Drawbar pull lbs *(kN)*	Speed mph *(km/h)*	Crank-shaft speed rpm	Slip %	Fuel Consumption lb/hp.hr *(kg/kW.h)*	Fuel Consumption Hp.hr/gal *(kW.h/l)*	Temp.°F cool-ing med	*(°C)* Air dry bulb	Barom. inch Hg *(kPa)*
Maximum Power 7th Gear									
305.74 *(227.99)*	26599 *(118.32)*	4.31 *(6.94)*	2099	2.87	0.453 *(0.276)*	15.53 *(3.06)*	188 *(86)*	57 *(14)*	29.12 *(98.61)*
75% of Pull at Maximum Power 7th Gear									
240.68 *(179.47)*	20039 *(89.14)*	4.50 *(7.25)*	2164	1.64	0.507 *(0.308)*	13.89 *(2.74)*	188 *(87)*	72 *(22)*	28.85 *(97.70)*
50% of Pull at Maximum Power 7th Gear									
162.78 *(121.39)*	13323 *(59.26)*	4.58 *(7.37)*	2185	0.93	0.597 *(0.363)*	11.79 *(2.32)*	184 *(84)*	73 *(23)*	28.81 *(97.56)*
75% of Pull at Reduced Engine Speed 9th Gear									
240.17 *(179.10)*	20022 *(89.06)*	4.50 *(7.24)*	1756	1.64	0.472 *(0.287)*	14.93 *(2.94)*	187 *(86)*	72 *(22)*	28.82 *(97.60)*
50% of Pull at Reduced Engine Speed 9th Gear									
163.49 *(121.91)*	13360 *(59.43)*	4.59 *(7.39)*	1778	0.93	0.522 *(0.317)*	13.50 *(2.66)*	180 *(82)*	73 *(23)*	28.83 *(97.63)*

Location of Test: Nebraska Tractor Test Laboratory, University of Nebraska, Lincoln, Nebraska 68583-0832

Dates of Test: April 5 - May 31, 2002

Manufacturer: John Deere Tractor Works, 3500 East Donald St., P.O. Box 270, Waterloo Ia, USA

FUEL, OIL and TIME: Fuel No. 2 Diesel **Specific gravity converted to 60°/60°F *(15°/15°C)*** 0.8461 **Fuel weight** 7.045 lbs/gal *(0.844 kg/l)* **Oil SAE** 15W-40 **API service classification** CH-4 **Transmission and hydraulic lubricant** John Deere Hy-Gard fluid **Total time engine was operated:** 36.5 hours

ENGINE: Make John Deere Diesel **Type** six cylinder vertical with turbocharger and air to air aftercooler **Serial No.***RG6125H032116* **Crankshaft** lengthwise **Rated engine speed** 2100 **Bore and stroke** 5.00" x 6.50"*(127.0 mm x 165.0 mm)* **Compression ratio** 17.0 to 1 **Displacement** 765 cu in *(12535 ml)* **Starting system** 12 volt **Lubrication** pressure **Air cleaner** two paper elements and aspirator **Oil filter** one full flow cartridge **Oil cooler** engine coolant heat exchanger for crankcase oil, separate radiators for hydraulic and transmission oil, radiator for rear axle oil **Fuel filter** one paper element and water separator **Muffler** vertical **Cooling medium temperature control** 2 thermostats and variable speed fan

ENGINE OPERATING PARAMETERS: Fuel rate: 126.0 - 138.9 lb/h *(57.1 - 63.0 kg/h)* **High idle:** 2205 - 2255 rpm **Turbo boost:** nominal 19.9 - 22.8 psi *(137 - 157 kPa)* as measured 21.6 psi *(149 kPa)*

CHASSIS: Type tracklayer-rubber tracked **Serial No.***RW9320T901024* **Track width** 106.0"*(2692 mm)* **Length of track on ground** 111.0" *(2819 mm)* **Hydraulic control system** direct engine drive **Transmission** selective gear fixed ratio with full range operator controlled power shift **Nominal travel speeds mph *(km/h)*** first 2.13 *(3.42)* second 2.62 *(4.21)* third 2.90 *(4.66)* fourth 3.24 *(5.21)* fifth 3.57 *(5.74)* sixth 3.98 *(6.41)* seventh 4.41*(7.10)* eighth 4.93 *(7.93)* ninth 5.43 *(8.74)* tenth 6.06 *(9.76)* eleventh 6.71 *(10.80)* twelfth 7.42 *(11.94)* thirteenth 8.26 *(13.29)* fourteenth 9.13 *(14.69)* fifteenth 11.29 *(18.17)* sixteenth 13.89 *(22.35)* seventeenth 17.17 *(27.63)* eighteenth 21.13 *(34.01)* reverse 2.13 *(3.42)*, 2.90 *(4.66)*, 3.24 *(5.21)*, 4.41, *(7.10)*, 4.93 *(7.93)*, 6.71 *(10.80)* **Clutch** wet multiple disc hydraulically actuated by foot pedal **Brakes** wet multiple disc hydraulically actuated foot pedal **Steering** electro-hydraulic differential steering controlled by steering wheel **Power take-off** 1000 rpm at 1895 engine rpm **Unladen tractor mass** 42840 lb *(19432 kg)*

DRAWBAR PERFORMANCE
(Unballasted at 2100 rpm)

MAXIMUM POWER IN SELECTED GEARS

Power Hp *(kW)*	Drawbar pull lbs *(kN)*	Speed mph *(km/h)*	Crank-shaft speed rpm	Slip %	Fuel Consumption lb/hp.hr *(kg/kW.h)*	Temp.°F *(°C)* Hp.hr/gal *(kW.h/l)*	cool-ing med	Barom. Air dry bulb	inch Hg *(kPa)*
				1st Gear					
210.32 *(156.83)*	41342 *(183.90)*	1.91 *(3.07)*	2167	13.71	0.567 *(0.345)*	12.43 *(2.45)*	181 *(83)*	51 *(11)*	29.11 *(98.58)*
				2nd Gear					
251.81 *(187.77)*	40289 *(179.21)*	2.34 *(3.77)*	2151	13.23	0.532 *(0.323)*	13.24 *(2.61)*	184 *(84)*	60 *(16)*	29.02 *(98.27)*
				3rd Gear					
269.73 *(201.14)*	39229 *(174.50)*	2.58 *(4.15)*	2123	12.67	0.515 *(0.313)*	13.66 *(2.69)*	190 *(88)*	64 *(18)*	29.00 *(98.21)*
				4th Gear					
284.72 *(212.31)*	35435 *(157.62)*	3.01 *(4.85)*	2100	7.52	0.492 *(0.299)*	14.32 *(2.82)*	185 *(85)*	66 *(19)*	28.96 *(98.07)*
				5th Gear					
292.96 *(218.46)*	32353 *(143.91)*	3.40 *(5.46)*	2100	5.47	0.477 *(0.290)*	14.77 *(2.91)*	185 *(85)*	67 *(19)*	28.93 *(97.97)*
				6th Gear					
299.28 *(223.17)*	29106 *(129.47)*	3.86 *(6.21)*	2101	3.85	0.466 *(0.283)*	15.11 *(2.98)*	186 *(86)*	59 *(15)*	29.12 *(98.62)*
				7th Gear					
305.74 *(227.99)*	26599 *(118.32)*	4.31 *(6.94)*	2099	2.87	0.453 *(0.276)*	15.53 *(3.06)*	188 *(86)*	57 *(14)*	29.12 *(98.62)*
				8th Gear					
304.72 *(227.23)*	23552 *(104.76)*	4.85 *(7.81)*	2098	2.03	0.460 *(0.280)*	15.31 *(3.02)*	189 *(87)*	55 *(13)*	29.13 *(98.65)*
				9th Gear					
302.28 *(225.41)*	21096 *(93.84)*	5.37 *(8.65)*	2097	1.56	0.463 *(0.281)*	15.22 *(3.00)*	187 *(86)*	52 *(11)*	29.13 *(98.65)*
				10th Gear					
298.85 *(222.85)*	18598 *(82.73)*	6.03 *(9.70)*	2100	1.40	0.473 *(0.288)*	14.90 *(2.93)*	186 *(86)*	51 *(11)*	29.12 *(98.62)*
				11th Gear					
296.54 *(221.13)*	16631 *(73.98)*	6.69 *(10.76)*	2100	1.07	0.469 *(0.285)*	15.01 *(2.96)*	185 *(85)*	48 *(9)*	29.12 *(98.62)*
				12th Gear					
291.34 *(217.26)*	14785 *(65.77)*	7.39 *(11.89)*	2098	1.01	0.483 *(0.294)*	14.57 *(2.87)*	184 *(84)*	59 *(15)*	29.11 *(98.58)*
				13th Gear					
286.58 *(213.70)*	13065 *(58.11)*	8.23 *(13.24)*	2098	0.85	0.490 *(0.298)*	14.39 *(2.83)*	190 *(88)*	60 *(16)*	29.11 *(98.58)*

REPAIRS AND ADJUSTMENTS: No repairs or adjustments.

REMARKS: All test results were determined from observed data obtained in accordance with official OECD, SAE and Nebraska test procedures. For the maximum power tests the fuel temperature at the injection pump inlet was maintained at 102°F*(39°C)*. The performance figures on this summary were taken from a test conducted under the OECD Code II test code procedure.

We, the undersigned, certify that this is a true and correct report of official Tractor Test No. **1804**, Nebraska Summary 370, July 23, 2002.

Brent T. Sampson
Test Engineer

L.L. Bashford
G.J. Hoffman
V.I. Adamchuk
Board of Tractor Test Engineers

TRACTOR SOUND LEVEL WITH CAB	**dB(A)**
At no load in 7th gear	76.5
Transport speed - no load - 18th gear	77.2
Bystander in 18th gear	92.7

TIRES, BALLAST AND WEIGHT	**With Ballast**	**Without Ballast**
Track width	30.0 in *(760 mm)*	30.0 in *(760 mm)*
Ballast - Cast iron(front)	3045 lb *(1381 kg)*	None
- Cast iron (side)	None	None
Height of Drawbar	19.0 in *(485 mm)*	19.0 in *(485 mm)*
Static Weight with operator	46060 lb*(20892 kg)*	43015 lb*(19511 kg)*

DRAWBAR PERFORMANCE
(Unballasted at 1700 RPM)
MAXIMUM POWER IN SELECTED GEARS

Power Hp *(kW)*	Drawbar pull lbs *(kN)*	Speed mph *(km/h)*	Crank-shaft speed rpm	Slip %	Fuel Consumption lb/hp.hr *(kg/kW.h)*	Hp.hr/gal *(kW.h/l)*	Temp.°F(°C) cool-ing med	Air dry bulb	Barom. inch Hg *(kPa)*
				1st Gear					
213.55 *(159.24)*	41473 *(184.48)*	1.93 *(3.11)*	2165	12.55	0.560 *(0.340)*	12.59 *(2.48)*	181 *(83)*	51 *(11)*	29.11 *(98.58)*
				2nd Gear					
250.22 *(186.59)*	40185 *(178.75)*	2.34 *(3.76)*	2153	13.65	0.538 *(0.327)*	13.10 *(2.58)*	185 *(85)*	60 *(16)*	29.02 *(98.27)*
				3rd Gear					
271.34 *(202.34)*	39637 *(176.31)*	2.57 *(4.13)*	2122	13.04	0.511 *(0.311)*	13.79 *(2.72)*	189 *(87)*	64 *(18)*	29.00 *(98.21)*
				4th Gear					
287.13 *(214.11)*	38485 *(171.19)*	2.80 *(4.50)*	2041	11.74	0.508 *(0.309)*	13.87 *(2.73)*	186 *(85)*	65 *(18)*	28.98 *(98.14)*
				5th Gear					
297.83 *(222.09)*	36981 *(164.50)*	3.02 *(4.86)*	1973	10.53	0.489 *(0.298)*	14.39 *(2.83)*	187 *(86)*	68 *(20)*	28.90 *(97.87)*
				6th Gear					
307.86 *(229.57)*	36533 *(162.51)*	3.16 *(5.09)*	1835	9.87	0.479 *(0.291)*	14.72 *(2.90)*	190 *(88)*	69 *(21)*	28.88 *(97.80)*
				7th Gear					
326.67 *(243.60)*	36823 *(163.79)*	3.33 *(5.36)*	1723	8.68	0.470 *(0.286)*	14.97 *(2.95)*	185 *(85)*	58 *(14)*	29.12 *(98.61)*
				8th Gear					
339.64 *(253.27)*	33142 *(147.42)*	3.84 *(6.19)*	1720	5.33	0.455 *(0.277)*	15.47 *(3.05)*	187 *(86)*	57 *(14)*	29.12 *(98.61)*
				9th Gear					
343.13 *(255.87)*	30194 *(134.31)*	4.26 *(6.86)*	1704	3.93	0.453 *(0.276)*	15.54 *(3.06)*	186 *(86)*	53 *(12)*	29.13 *(98.65)*
				10th Gear					
345.62 *(257.73)*	27006 *(120.13)*	4.80 *(7.72)*	1700	2.87	0.448 *(0.272)*	15.72 *(3.10)*	190 *(88)*	51 *(11)*	29.12 *(98.61)*
				11th Gear					
347.58 *(259.19)*	24298 *(108.08)*	5.36 *(8.63)*	1705	2.18	0.436 *(0.265)*	16.15 *(3.18)*	189 *(87)*	50 *(10)*	29.12 *(98.61)*
				12th Gear					
344.89 *(257.18)*	21826 *(97.09)*	5.93 *(9.54)*	1698	1.87	0.449 *(0.273)*	15.68 *(3.09)*	188 *(87)*	60 *(16)*	29.11 *(98.58)*
				13th Gear					
339.63 *(253.26)*	19211 *(85.45)*	6.63 *(10.67)*	1697	1.40	0.456 *(0.277)*	15.46 *(3.05)*	189 *(87)*	61 *(16)*	29.10 *(98.54)*
				14th Gear					
343.58 *(256.21)*	17561 *(78.12)*	7.34 *(11.81)*	1698	1.17	0.454 *(0.276)*	15.50 *(3.05)*	193 *(89)*	62 *(17)*	29.10 *(98.54)*
				15th Gear					
333.23 *(248.49)*	13640 *(60.67)*	9.16 *(14.74)*	1708	0.85	0.470 *(0.286)*	14.97 *(2.95)*	194 *(90)*	63 *(17)*	29.10 *(98.54)*

DRAWBAR PERFORMANCE
(Ballasted at 1700 RPM)
MAXIMUM POWER IN SELECTED GEARS

Power Hp *(kW)*	Drawbar pull lbs *(kN)*	Speed mph *(km/h)*	Crank-shaft speed rpm	Slip %	Fuel Consumption lb/hp.hr *(kg/kW.h)*	Hp.hr/gal *(kW.h/l)*	Temp.°F*(°C)* cool-ing med	Air dry bulb	Barom. inch Hg *(kPa)*
				1st Gear					
230.37 *(171.79)*	45560 *(202.66)*	1.90 *(3.05)*	2163	14.20	0.545 *(0.332)*	12.82 *(2.53)*	183 *(84)*	53 *(12)*	28.88 *(97.80)*
				2nd Gear					
272.21 *(202.99)*	43883 *(195.20)*	2.33 *(3.74)*	2117	12.63	0.508 *(0.309)*	13.75 *(2.71)*	186 *(85)*	56 *(13)*	28.87 *(97.77)*
				3rd Gear					
294.23 *(219.41)*	42713 *(189.99)*	2.58 *(4.16)*	2086	11.00	0.480 *(0.292)*	14.57 *(2.87)*	186 *(86)*	59 *(15)*	28.86 *(97.73)*
				4th Gear					
303.90 *(226.62)*	41617 *(185.12)*	2.74 *(4.41)*	1963	10.16	0.475 *(0.289)*	14.72 *(2.90)*	186 *(85)*	59 *(15)*	28.85 *(97.70)*
				5th Gear					
313.72 *(233.94)*	41350 *(183.93)*	2.85 *(4.58)*	1854	10.36	0.473 *(0.287)*	14.79 *(2.91)*	188 *(87)*	59 *(15)*	28.84 *(97.66)*
				6th Gear					
334.83 *(249.68)*	38978 *(173.38)*	3.22 *(5.18)*	1811	6.98	0.460 *(0.280)*	15.32 *(3.02)*	188 *(86)*	52 *(11)*	29.01 *(98.24)*
				7th Gear					
343.34 *(256.03)*	38107 *(169.51)*	3.38 *(5.44)*	1700	6.14	0.454 *(0.276)*	15.51 *(3.06)*	190 *(88)*	51 *(11)*	29.01 *(98.24)*
				8th Gear					
350.59 *(261.44)*	34190 *(152.08)*	3.85 *(6.19)*	1697	4.24	0.443 *(0.269)*	15.90 *(3.13)*	189 *(87)*	50 *(10)*	29.00 *(98.21)*
				9th Gear					
352.48 *(262.84)*	30759 *(136.82)*	4.30 *(6.92)*	1700	3.19	0.440 *(0.267)*	16.02 *(3.16)*	189 *(87)*	48 *(9)*	29.01 *(98.24)*
				10th Gear					
352.21 *(262.64)*	27353 *(121.67)*	4.83 *(7.77)*	1697	2.27	0.439 *(0.267)*	16.03 *(3.16)*	190 *(88)*	49 *(9)*	29.00 *(98.21)*
				11th Gear					
352.08 *(262.55)*	24469 *(108.84)*	5.40 *(8.68)*	1704	1.89	0.440 *(0.268)*	16.00 *(3.15)*	189 *(87)*	45 *(7)*	29.02 *(98.27)*
				12th Gear					
351.59 *(262.18)*	22034 *(98.01)*	5.98 *(9.63)*	1706	1.42	0.442 *(0.269)*	15.93 *(3.14)*	192 *(89)*	47 *(8)*	29.01 *(98.24)*
				13th Gear					
340.65 *(254.02)*	19178 *(85.31)*	6.66 *(10.72)*	1701	1.34	0.457 *(0.278)*	15.40 *(3.03)*	193 *(89)*	53 *(12)*	29.01 *(98.24)*
				14th Gear					
341.33 *(254.53)*	17430 *(77.53)*	7.34 *(11.82)*	1695	1.18	0.457 *(0.278)*	15.43 *(3.04)*	194 *(90)*	55 *(13)*	29.02 *(98.27)*
				15th Gear					
330.71 *(246.61)*	13601 *(60.50)*	9.12 *(14.67)*	1699	1.02	0.473 *(0.288)*	14.89 *(2.93)*	194 *(90)*	56 *(13)*	29.02 *(98.27)*

THREE POINT HITCH PERFORMANCE (OECD Static Test)

CATEGORY: III , IV
Quick Attach: yes

	Category III	Category IV
Maximum Force Exerted Through Whole Range:	13605 lbs *(60.5 kN)*	14921 lbs *(66.4 kN)*
i) Opening pressure of relief valve:	NA	
Sustained pressure at compensator cutoff:	2970 psi *(205 bar)*	
	Single outlet set	**Two outlet sets combined**
ii) Pump delivery rate at minimum pressure and rated engine speed:	34.1 GPM *(129.1 l/min)*	51.5 GPM *(194.9 l/min)*
iii)Pump delivery rate at maximum hydraulic power:	31.9 GPM *(120.8 l/min)*	51.4 GPM *(194.6 l/min)*
Delivery pressure:	2155 psi *(149 bar)*	2204 psi *(152 bar)*
Power:	40.1 Hp *(29.9 kW)*	66.1 HP *(49.3 kW)*

THREE POINT HITCH PERFORMANCE

Observed Maximum Pressure psi.*(bar)*:	2980 *(205)*
Location:	lift cylinder
Hydraulic oil temperature: °F *(°C)*:	145 *(63)*
Location:	hydraulic valve
Category:	III, IV
Quick attach:	yes

Category III (lift cylinders - 2x90 mm)
SAE Static Test - System pressure 2680 psi *(185 Bar)*

Hitch point distance to ground level in. *(mm)*	7.9 *(201)*	16.0 *(407)*	24.1 *(613)*	31.8 *(807)*	40.0 *(1016)*
Lift force on frame lb	14426	14737	14682	14307	13430
" " " " " " *(kN)*	*(64.2)*	*(65.6)*	*(65.3)*	*(63.6)*	*(59.7)*

ASAE Static Test - System pressure 2860 psi *(197 Bar)*

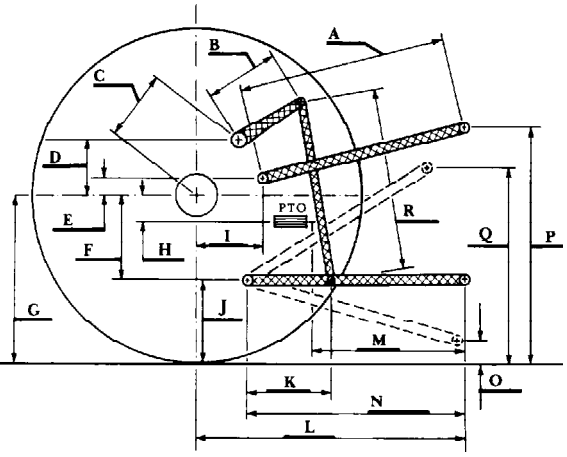
Hitch point distance to ground level in. *(mm)*	7.9 *(201)*	16.0 *(407)*	24.1 *(613)*	31.8 *(807)*	40.0 *(1016)*
Lift force on frame lb	15373	15703	15643	15248	14312
" " " " " " *(kN)*	*(68.4)*	*(69.9)*	*(69.6)*	*(67.8)*	*(63.7)*

Category IV (lift cylinders - 1x90 mm & 1x100 mm)
SAE Static Test - System pressure 2680 psi *(185 Bar)*

Hitch point distance to ground level in. *(mm)*	9.0 *(228)*	15.2 *(387)*	22.3 *(566)*	29.6 *(751)*	36.8 *(935)*	44.0 *(1118)*
Lift force on frame lb	15954	16238	16328	16020	15372	13856
" " " " " " *(kN)*	*(71.0)*	*(72.2)*	*(72.6)*	*(71.3)*	*(68.4)*	*(61.6)*

ASAE Static Test - System pressure 2860 psi *(197 Bar)*

Hitch point distance to ground level in. *(mm)*	9.0 *(228)*	15.2 *(387)*	22.3 *(566)*	29.6 *(751)*	36.8 *(935)*	44.0 *(1118)*
Lift force on frame lb	17014	17317	17417	17094	16403	14772
" " " " " " *(kN)*	*(75.7)*	*(77.0)*	*(77.5)*	*(76.0)*	*(73.0)*	*(65.7)*



HITCH DIMENSIONS AS TESTED NO LOAD

	Category III inch	Category III *mm*	Category IV inch	Category IV *mm*
A	30.8	*783*	30.0	*762*
B	18.5	*471*	18.5	*471*
C	31.9	*810*	31.9	*810*
D	30.4	*772*	30.4	*772*
E	11.3	*288*	11.3	*288*
F	13.8	*350*	13.8	*350*
G	32.9	*836*	32.9	*836*
H	0.7	*19*	0.7	*19*
I	22.7	*577*	22.7	*577*
J	19.1	*486*	19.1	*486*
K	29.4	*746*	29.4	*746*
L	54.4	*1383*	54.4	*1383*
*L'	61.0	*1550*	61.4	*1560*
M	24.5	*623*	24.5	*623*
N	43.1	*1095*	43.1	*1095*
O	8.0	*203*	9.0	*229*
P	49.6	*1260*	49.6	*1260*
Q	39.5	*1003*	40.5	*1029*
R	48.7	*1238*	47.9	*1216*

*L' to Quick Attach ends

JOHN DEERE 9320T DIESEL

Agricultural Research Division
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University of Nebraska Lincoln
Darrell Nelson, Dean and Director