

NEBRASKA OECD TRACTOR TEST 1790-SUMMARY 352

JOHN DEERE 9300T DIESEL

24 SPEED

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

Dates of Test: March 22-April 20, 2001

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) 0.8439 Fuel weight 7.027 lbs/gal (0.842 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: 42.5 hours

ENGINE: Make John Deere Diesel Type six cylinder vertical with turbocharger and air to air aftercooler Serial No.*RG6125H030011* 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: 118.2 - 125.7 lb/h(53.6 - 57.0 kg/h) High idle: 2160 - 2240 rpm Turbo boost: nominal 15.7 - 20.0 psi (108 - 138 kPa) as measured 19.5 psi (135 kPa)

CHASSIS: Type tracklayer-rubber tracked Serial No.*RW9300T902145* 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 partial (2) range operator controlled power shift Nominal travel speeds mph (km/h) first 1.93 (3.10) second 2.31 (3.72) third 2.47 (3.99) fourth 2.98 (4.79) fifth 3.40 (5.47) sixth 4.08 (6.56) seventh 4.11 (6.61) eighth 4.53 (7.29) ninth 4.93 (7.93) tenth 5.29 (8.51) eleventh 5.43 (8.74) twelfth 5.83 (9.38) thirteenth 6.34 (10.21) fourteenth 6.99 (11.25) fifteenth 7.24 (11.65) sixteenth 7.98 (12.84) seventeenth 8.68 (13.97) eighteenth 9.57 (15.40) nineteenth 9.66 (15.54) twentieth 11.58 (18.63) twenty-first 12.43 (20.00) twenty-second 14.90 (23.98) twenty-third 17.01 (27.37) twenty-fourth 20.39 (32.82) reverse 2.31 (3.72), 2.77 (4.46), 4.93 (7.93), 5.43 (8.74), 5.91 (9.51), 6.51 (10.48)

POWER TAKE-OFF PERFORMANCE

Power HP (kW)	Crank shaft speed rpm	Gal/ltr (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 1109 rpm)					
302.73 (225.75)	2101	17.62 (66.70)	0.409 (0.249)	17.18 (3.38)	
Standard Power Take-off Speed (PTO speed 1000 rpm)					
337.02 (251.32)	1895	18.23 (68.99)	0.380 (0.231)	18.49 (3.64)	
Maximum Power (2 hours)					
345.46 (257.61)	1700	19.09 (72.26)	0.388 (0.236)	18.10 (3.56)	

VARYING POWER AND FUEL CONSUMPTION

302.73 (225.75)	2101	17.62 (66.70)	0.409 (0.249)	17.18 (3.38)	Air temperature
264.41 (197.17)	2157	16.18 (61.25)	0.430 (0.262)	16.34 (3.22)	75°F(24°C)
199.85 (149.02)	2177	13.36 (50.58)	0.470 (0.286)	14.96 (2.95)	Relative humidity
134.49 (100.29)	2195	11.10 (42.02)	0.580 (0.353)	12.12 (2.39)	44%
67.37 (50.23)	2200	7.86 (29.74)	0.819 (0.498)	8.58 (1.69)	Barometer
1.66 (1.24)	2200	5.12 (19.39)	21.714 (13.208)	0.32 (0.06)	28.99" Hg(98.17 kPa)

Maximum Torque - 1145 lb.-ft. (1553 Nm) at 1102 rpm
Maximum Torque Rise - 51.5%
Torque rise at 1700 engine rpm - 41%

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)	Hp.hr/gal (kW.h/l)	Temp. °F (°C) cool-ing med	Air dry bulb	Barom. inch Hg (kPa)
Maximum Power 8th(C1 Lo) Gear									
269.06 (200.64)	22714 (101.04)	4.44 (7.15)	2097	2.39	0.461 (0.280)	15.24 (3.00)	186 (86)	65 (18)	28.75 (97.36)
75% of Pull at Maximum Power 8th(C1 Lo) Gear									
210.54 (157.00)	17055 (75.86)	4.63 (7.45)	2166	1.38	0.510 (0.310)	13.79 (2.72)	183 (84)	63 (17)	28.07 (95.06)
50% of Pull at Maximum Power 8th(C1 Lo) Gear									
141.98 (105.88)	11340 (50.44)	4.70 (7.56)	2187	0.90	0.613 (0.373)	11.47 (2.26)	178 (81)	65 (18)	28.07 (95.06)
75% of Pull at Reduced Engine Speed 10th(B2 Lo) Gear									
210.22 (156.76)	17009 (75.66)	4.63 (7.46)	1857	1.38	0.469 (0.285)	14.98 (2.95)	180 (82)	65 (18)	28.08 (95.09)
50% of Pull at Reduced Engine Speed 10th(B2 Lo) Gear									
142.08 (105.95)	11331 (50.40)	4.70 (7.57)	1875	0.98	0.556 (0.338)	12.65 (2.49)	174 (79)	63 (17)	28.06 (95.02)

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)	Consumption Hp.hr/gal (kW.h/l)	Temp. °F (°C) cool- ing med	Air dry bulb	Barom. inch Hg (kPa)
3rd (A2 Lo) Gear									
233.63 (174.22)	39939 (177.66)	2.19 (3.53)	2143	13.75	0.521 (0.317)	13.50 (2.66)	177 (80)	53 (12)	28.73 (97.29)
4th (A2 Hi) Gear									
257.13 (191.74)	34879 (155.15)	2.76 (4.45)	2098	7.50	0.480 (0.292)	14.63 (2.88)	180 (82)	54 (12)	28.77 (97.43)
5th (A3 Lo) Gear									
263.80 (196.71)	30679 (136.47)	3.22 (5.19)	2096	5.30	0.470 (0.286)	14.96 (2.95)	186 (85)	65 (18)	28.07 (95.06)
6th (A3 Hi) Gear									
263.79 (196.71)	24896 (110.74)	3.97 (6.39)	2098	2.85	0.470 (0.286)	14.95 (2.95)	186 (86)	65 (18)	28.73 (97.29)
7th (B1 Lo) Gear									
270.74 (201.89)	25344 (112.74)	4.01 (6.45)	2098	2.85	0.459 (0.279)	15.32 (3.02)	187 (86)	65 (18)	28.73 (97.29)
8th (C1 Lo) Gear									
269.06 (200.64)	22714 (101.04)	4.44 (7.15)	2097	2.39	0.461 (0.280)	15.24 (3.00)	186 (86)	65 (18)	28.75 (97.36)
9th (B1 Hi) Gear									
264.45 (197.20)	20426 (90.86)	4.86 (7.81)	2097	1.77	0.470 (0.286)	14.95 (2.94)	185 (85)	64 (18)	28.76 (97.39)
10th (B2 Lo) Gear									
267.19 (199.24)	19153 (85.19)	5.23 (8.42)	2099	1.46	0.467 (0.284)	15.04 (2.96)	187 (86)	64 (18)	28.76 (97.39)
11th (C1 Hi) Gear									
263.21 (196.28)	18346 (81.60)	5.38 (8.66)	2099	1.46	0.472 (0.287)	14.90 (2.93)	186 (86)	59 (15)	28.77 (97.43)
12th (C2 Lo) Gear									
262.66 (195.87)	17030 (75.75)	5.78 (9.31)	2099	1.30	0.472 (0.287)	14.89 (2.93)	182 (83)	50 (10)	28.74 (97.33)
13th (B2 Hi) Gear									
257.81 (192.25)	15363 (68.34)	6.29 (10.13)	2098	1.14	0.483 (0.294)	14.54 (2.86)	185 (85)	54 (12)	28.76 (97.39)
14th (C2 Hi) Gear									
253.84 (189.29)	13695 (60.92)	6.95 (11.19)	2099	0.98	0.490 (0.298)	14.34 (2.82)	184 (84)	56 (13)	28.76 (97.39)
15th (B3 Lo) Gear									
254.86 (190.05)	13265 (59.01)	7.20 (11.60)	2100	0.98	0.490 (0.298)	14.35 (2.83)	185 (85)	57 (14)	28.76 (97.39)
16th (C3 Lo) Gear									
250.51 (186.81)	11842 (52.67)	7.93 (12.77)	2096	0.83	0.497 (0.302)	14.15 (2.79)	185 (85)	58 (14)	28.76 (97.39)
17th (B3 Hi) Gear									
241.18 (179.85)	10456 (46.51)	8.65 (13.92)	2100	0.83	0.517 (0.314)	13.59 (2.68)	186 (86)	58 (14)	28.76 (97.39)

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** 41915 lb (19012 kg)

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 95°F(35°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. **1790**, Nebraska Summary 352, June 11, 2001.

David L. Morgan
Assistant Director

L. L. Bashford
M. F. Kocher
G. J. Hoffman
Board of Tractor Test Engineers

TRACTOR SOUND LEVEL WITH CAB

dB(A)

At no load in 8th (C1 Lo) gear	75.6
Transport speed-no load-24th (D3 Hi) gear	78.4
Bystander in 24th (D3 Hi) gear	90.5

TIRES, BALLAST AND WEIGHT

	With Ballast	Without Ballast
Track width	30.0 in (760 mm)	30.0 in (760 mm)
Ballast - Cast iron (front)	2550 lb (1159 kg)	None
- Cast iron (side)	None	None
Height of Drawbar	19.0 in (485 mm)	19.0 in (485 mm)
Static Weight with operator	44645 lb (20250 kg)	42090 lb (19091 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)	Fuel Consumption Hp.hr/gal (kW.h/l)	Temp.°F(°C) cool- ing med	Air dry bulb	Barom. inch Hg (kPa)
3rd(A2 Lo)Gear									
235.45 (175.58)	40128 (178.50)	2.20 (3.54)	2140	13.38	0.516 (0.314)	13.61 (2.68)	177 (80)	53 (12)	28.73 (97.29)
4th(A2 Hi)Gear									
254.80 (190.01)	35489 (157.86)	2.69 (4.33)	2081	9.05	0.488 (0.297)	14.40 (2.84)	184 (84)	65 (18)	28.08 (95.09)
5th(A3 Lo)Gear									
272.52 (203.22)	34328 (152.70)	2.98 (4.79)	1988	7.91	0.463 (0.282)	15.17 (2.99)	187 (86)	66 (19)	28.07 (95.06)
6th(A3 Hi)Gear									
286.23 (213.44)	35014 (155.75)	3.07 (4.93)	1706	7.77	0.468 (0.284)	15.03 (2.96)	185 (85)	65 (18)	28.72 (97.26)
7th(B1 Lo)Gear									
289.28 (215.71)	35136 (156.29)	3.09 (4.97)	1708	7.98	0.463 (0.282)	15.17 (2.99)	184 (84)	65 (18)	28.73 (97.29)
8th(C1 Lo)Gear									
297.11 (221.55)	31814 (141.51)	3.50 (5.64)	1708	5.37	0.452 (0.275)	15.53 (3.06)	187 (86)	65 (18)	28.75 (97.36)
9th(B1 Hi)Gear									
298.12 (222.31)	29011 (129.05)	3.85 (6.20)	1705	4.05	0.451 (0.274)	15.58 (3.07)	185 (85)	64 (18)	28.76 (97.39)
10th(B2 Lo)Gear									
303.59 (226.39)	27260 (121.26)	4.18 (6.72)	1707	3.46	0.443 (0.270)	15.86 (3.12)	189 (87)	64 (18)	28.76 (97.39)
11th(C1 Hi)Gear									
301.69 (224.97)	26219 (116.63)	4.32 (6.94)	1710	2.93	0.446 (0.271)	15.77 (3.11)	185 (85)	61 (16)	28.77 (97.43)
12th(C2 Lo)Gear									
304.17 (226.82)	24456 (108.78)	4.66 (7.51)	1711	2.31	0.439 (0.267)	16.01 (3.15)	184 (84)	51 (11)	28.74 (97.33)
13th(B2 Hi)Gear									
302.80 (225.80)	22252 (98.98)	5.10 (8.21)	1714	1.85	0.442 (0.269)	15.89 (3.13)	186 (86)	55 (13)	28.76 (97.39)
14th(C2 Hi)Gear									
299.64 (223.44)	19997 (88.95)	5.62 (9.04)	1707	1.61	0.448 (0.272)	15.70 (3.09)	188 (87)	57 (14)	28.76 (97.39)
15th(B3 Lo)Gear									
299.71 (223.49)	19271 (85.72)	5.83 (9.39)	1709	1.61	0.447 (0.272)	15.72 (3.10)	188 (87)	58 (14)	28.76 (97.39)
16th(C3 Lo)Gear									
297.11 (221.56)	17261 (76.78)	6.46 (10.39)	1712	1.30	0.450 (0.274)	15.63 (3.08)	188 (87)	58 (14)	28.76 (97.39)
17th(B3 Hi)Gear									
290.76 (216.82)	15516 (69.02)	7.03 (11.31)	1711	1.14	0.459 (0.279)	15.30 (3.01)	189 (87)	58 (14)	28.76 (97.39)
18th(C3 Hi)Gear									
284.77 (212.35)	13804 (61.40)	7.74 (12.45)	1708	1.06	0.470 (0.286)	14.94 (2.94)	189 (87)	65 (18)	28.74 (97.33)
19th(D1 Lo)Gear									
288.78 (215.34)	13828 (61.51)	7.83 (12.60)	1714	0.98	0.465 (0.283)	15.10 (2.97)	189 (87)	65 (18)	28.74 (97.33)
20th(D1 Hi)Gear									
276.05 (205.85)	11030 (49.06)	9.39 (15.10)	1710	0.90	0.488 (0.297)	14.39 (2.83)	190 (88)	65 (18)	28.74 (97.33)

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)
2nd (A1 Hi) Gear									
238.00 (177.48)	44938 (199.89)	1.99 (3.20)	2099	14.50	0.516 (0.314)	13.62 (2.68)	177 (80)	48 (9)	29.15 (98.71)
3rd (A2 Lo) Gear									
251.82 (187.78)	42413 (188.66)	2.23 (3.58)	2101	10.86	0.488 (0.297)	14.39 (2.83)	177 (80)	51 (10)	29.14 (98.68)
4th (A2 Hi) Gear									
274.59 (204.76)	40187 (178.76)	2.56 (4.12)	1970	8.76	0.459 (0.279)	15.30 (3.01)	178 (81)	52 (11)	29.14 (98.68)
5th (A3 Lo) Gear									
290.22 (216.42)	38646 (171.91)	2.82 (4.53)	1875	7.80	0.444 (0.270)	15.84 (3.12)	182 (83)	55 (13)	29.13 (98.64)
6th (A3 Hi) Gear									
298.41 (222.53)	35467 (157.77)	3.16 (5.08)	1719	5.91	0.448 (0.273)	15.68 (3.09)	186 (85)	55 (13)	29.12 (98.61)
7th (B1 Lo) Gear									
300.94 (224.41)	35400 (157.46)	3.19 (5.13)	1723	6.05	0.444 (0.270)	15.82 (3.12)	185 (85)	57 (14)	29.10 (98.54)
8th (C1 Lo) Gear									
303.33 (226.19)	31924 (142.00)	3.56 (5.73)	1719	4.52	0.441 (0.268)	15.94 (3.14)	185 (85)	58 (14)	29.10 (98.54)
9th (B1 Hi) Gear									
303.49 (226.31)	29060 (129.27)	3.92 (6.30)	1721	3.56	0.441 (0.268)	15.95 (3.14)	187 (86)	59 (15)	29.09 (98.51)
10th (B2 Lo) Gear									
304.96 (227.41)	26945 (119.86)	4.24 (6.83)	1727	2.87	0.439 (0.267)	15.99 (3.15)	189 (87)	61 (16)	29.06 (98.41)
11th (C1 Hi) Gear									
301.60 (224.91)	25904 (115.22)	4.37 (7.03)	1726	2.72	0.444 (0.270)	15.82 (3.12)	188 (86)	63 (17)	29.04 (98.34)
12th (C2 Lo) Gear									
303.34 (226.20)	24222 (107.74)	4.70 (7.56)	1723	2.34	0.442 (0.269)	15.89 (3.13)	188 (87)	63 (17)	29.03 (98.31)
13th (B2 Hi) Gear									
300.83 (224.33)	21895 (97.39)	5.15 (8.29)	1730	1.87	0.446 (0.271)	15.76 (3.10)	190 (88)	63 (17)	29.02 (98.27)
14th (C2 Hi) Gear									
298.77 (222.79)	19707 (87.66)	5.69 (9.15)	1726	1.64	0.450 (0.274)	15.61 (3.08)	189 (87)	64 (18)	29.01 (98.24)
15th (B3 Lo) Gear									
298.79 (222.81)	19080 (84.87)	5.87 (9.45)	1721	1.56	0.450 (0.274)	15.60 (3.07)	190 (88)	64 (18)	29.00 (98.20)
16th (C3 Lo) Gear									
295.66 (220.47)	17019 (75.70)	6.51 (10.48)	1728	1.33	0.455 (0.277)	15.45 (3.04)	190 (88)	65 (18)	28.99 (98.17)
17th (B3 Hi) Gear									
289.51 (215.88)	15333 (68.20)	7.08 (11.40)	1724	1.09	0.462 (0.281)	15.20 (2.99)	190 (88)	66 (19)	28.98 (98.13)
18th (C3 Hi) Gear									
285.37 (212.80)	13707 (60.97)	7.81 (12.56)	1722	0.93	0.469 (0.286)	14.97 (2.95)	190 (88)	67 (19)	28.97 (98.10)
19th (D1 Lo) Gear									
289.72 (216.04)	13763 (61.22)	7.89 (12.70)	1726	1.01	0.463 (0.282)	15.17 (2.99)	190 (88)	68 (20)	28.96 (98.07)
20th (D1 Hi) Gear									
276.59 (206.26)	10956 (48.73)	9.47 (15.24)	1724	0.93	0.486 (0.296)	14.45 (2.85)	190 (88)	68 (20)	28.95 (98.04)

THREE POINT HITCH PERFORMANCE (OECD Static Test)

CATEGORY: III, IV

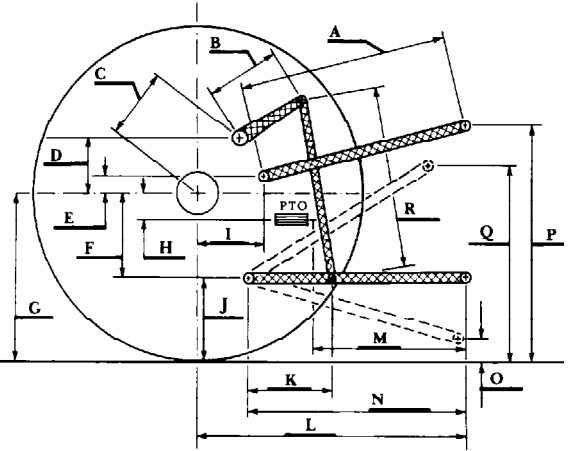
Quick Attach: yes

	<u>Category III</u>	<u>Category IV</u>
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:	2930 psi (202 bar)
	Single outlet set Two outlet sets combined

ii) Pump delivery rate at minimum pressure and rated engine speed:	33.6 GPM (127.2 l/min)	46.1 GPM (174.5 l/min)
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iii) Pump delivery rate at maximum hydraulic power:	30.3 GPM (114.7 l/min)	43.1 GPM (163.2 l/min)
Delivery pressure:	2300 psi (159 bar)	2460 psi (170 bar)
Power:	40.7 Hp (30.3 kW)	61.9 HP (46.1 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

HITCH DIMENSIONS AS TESTED NO LOAD

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)
Lift force on frame lb	15954	16238	16328	16020	15372
" " " " " " (kN)	(71.0)	(72.2)	(72.6)	(71.3)	(68.4)
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)
Lift force on frame lb	17014	17317	17417	17094	16403
" " " " " " (kN)	(75.7)	(77.0)	(77.5)	(76.0)	(65.7)

	Category III		Category IV	
	inch	mm	inch	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 9300T DIESEL

Agricultural Research Division
 Institute of Agriculture and Natural Resources
 University of Nebraska Lincoln
 Darrell Nelson, Dean and Director