January 2001

Test 1790: 9300 T 24 Speed

Nebraska Tractor Test Lab
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NEBRASKA OECD TRACTOR TEST 1790–SUMMARY 352
JOHN DEERE 9300T DIESEL
24 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 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)*	Fuel Consumption Hp.hr/gal *(kW.h/l)*	Temp.°F cool-ing med	*(°C)* 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)*

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)*

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)*	Hp.hr/gal *(kW.h/l)*	Temp.°F cool-ing med	*(°C)* 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)*

TRACTOR SOUND LEVEL WITH CAB	**dB(A)**
At no load in 8th (C1 Lo) gear	75.6
Transport speed - no load - 24th (D3Hi) 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*)

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

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)*
				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)*

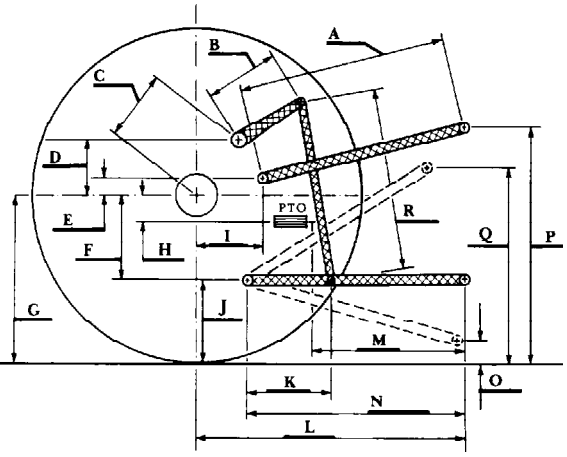
DRAWBAR PERFORMANCE
(Ballasted at 1700 RPM)
MAXIMUM POWER IN SELECTED GEARS

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

	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:	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)*
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

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

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