

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

Nebraska Tractor Tests

Tractor Test and Power Museum, The Lester F.
Larsen

January 2002

Nebraska Summary 383: AGCO RT130 Diesel

Nebraska Tractor Test Lab

University of Nebraska-Lincoln, tractortestlab@unl.edu

Follow this and additional works at: <https://digitalcommons.unl.edu/tractormuseumlit>



Part of the [Energy Systems Commons](#), [History of Science, Technology, and Medicine Commons](#), [Other Mechanical Engineering Commons](#), [Physical Sciences and Mathematics Commons](#), [Science and Mathematics Education Commons](#), and the [United States History Commons](#)

Nebraska Tractor Test Lab, "Nebraska Summary 383: AGCO RT130 Diesel" (2002). *Nebraska Tractor Tests*. 154.

<https://digitalcommons.unl.edu/tractormuseumlit/154>

This Article is brought to you for free and open access by the Tractor Test and Power Museum, The Lester F. Larsen at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Nebraska Tractor Tests by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

SUMMARY OF OECD TEST 2001-NEBRASKA SUMMARY 383

AGCO RT 130 DIESEL

32 SPEED

POWER TAKE-OFF PERFORMANCE

Power HP (kW)	Crank shaft 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—1100 rpm)					
132.8 (99.0)	2198	7.79 (29.49)	0.416 (0.253)	17.06 (3.36)	
Standard Power Take-off Speed(1000rpm)					
140.9 (105.1)	2092	7.99 (30.23)	0.402 (0.244)	17.66 (3.48)	
Maximum Power (2 hours)					
151.8 (113.2)	1901	8.28 (31.33)	0.387 (0.235)	18.32 (3.61)	

VARYING POWER AND FUEL CONSUMPTION

132.8 (99.0)	2198	7.79 (29.49)	0.416 (0.253)	17.06 (3.36)	Air temperature
112.2 (83.7)	2229	6.71 (25.39)	0.423 (0.258)	16.75 (3.30)	75°F(24°C)
87.3 (65.1)	2260	5.54 (20.98)	0.450 (0.274)	15.74 (3.10)	Relative humidity
59.0 (44.0)	2296	4.36 (16.49)	0.524 (0.319)	13.54 (2.67)	33%
29.2 (21.8)	2325	3.11 (11.77)	0.753 (0.458)	9.42 (1.86)	Barometer
--	2354	2.00 (7.58)	--	--	29.6" Hg(100.4 kPa)

Maximum Torque - 454.6 lb.-ft. (616.3 Nm) at 1498 rpm
 Maximum Torque Rise - 43.3%
 Torque rise at 1790 engine rpm - 37%

DRAWBAR PERFORMANCE (Unballasted - Front Drive Engaged) 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—13th(1LA) Gear									
109.0 (81.3)	8440 (37.5)	4.84 (7.79)	2201	5	0.493 (0.300)	14.40 (2.84)	185 (85)	57 (14)	30.4 (102.9)
75% of Pull at Maximum Power—13th(1LA) Gear									
84.6 (63.1)	6340 (28.2)	5.00 (8.05)	2230	4	0.516 (0.314)	13.76 (2.71)	185 (85)	57 (14)	30.4 (102.9)
50% of Pull at Maximum Power—13th(1LA) Gear									
57.7 (43.0)	4205 (18.7)	5.15 (8.29)	2263	3	0.587 (0.357)	12.08 (2.38)	183 (84)	57 (14)	30.4 (102.9)
75% of Pull at Reduced Engine Speed—16th(1LB) Gear									
84.5 (63.0)	6315 (28.1)	5.02 (8.08)	1914	4	0.467 (0.284)	15.18 (2.99)	185 (85)	57 (14)	30.4 (102.9)
50% of Pull at Reduced Engine Speed—16th(1LB) Gear									
57.7 (43.0)	4165 (18.5)	5.19 (8.36)	1949	2	0.525 (0.320)	13.50 (2.66)	185 (85)	57 (14)	30.4 (102.9)

Location of Test: Groupement d'Antony, Parc de Touvoie, BP 44 Antony, France 92163
Dates of Test: April - June, 2002
Manufacturer: AGCO S.A., BP307, Avenue Blaise Pascal, 60026 Beauvais, France

FUEL and OIL: Fuel No. 2 Diesel **Specific gravity converted to 60°/60° F (15°/15°C)** 0.852
Fuel weight 7.09 lbs/gal (0.850 kg/l) **Oil SAE** 10W30 **API service classification** CD/CE
Transmission and hydraulic lubricant BP Terrac Manager 10W40 **Front axle lubricant** Terrac Manager 10W40 **API G-L4**

ENGINE: Make Cummins Diesel **Type** six cylinder vertical with turbocharger **Serial No.** 215060 **Crankshaft** lengthwise **Rated engine speed** 2200 **Bore and stroke** 4.016" x 4.724" (102.0 mm x 120.0 mm) **Compression ratio** 16.3 to 1 **Displacement** 359 cu in (5880 ml) **Starting system** 12 volt **Lubrication** pressure **Air cleaner** two paper elements **Oil filter** one full flow cartridge **Oil cooler** engine coolant heat exchanger for crankcase oil, radiator for hydraulic and transmission oil **Fuel filter** one paper element **Muffler** underhood **Exhaust** vertical **Cooling medium temperature control** thermostat and variable speed fan

CHASSIS: Type front wheel assist **Serial No.** L045025 **Tread width** rear 61.0" (1550 mm) to 120.0" (3049 mm) front 64.2" (1630 mm) to 81.1" (2060 mm) **Wheelbase** 117.5" (2985 mm) **Hydraulic control system** direct engine drive **Transmission** selective gear fixed ratio with partial (4) range operator controlled powershift **Nominal travel speeds mph (km/h)** first 1.51 (2.43) second 1.77 (2.85) third 2.09 (3.36) fourth 2.29 (3.69) fifth 2.44 (3.93) sixth 2.68 (4.32) seventh 3.17 (5.10) eighth 3.27 (5.27) ninth 3.71 (5.97) tenth 3.83 (6.17) eleventh 4.46 (7.18) twelfth 4.52 (7.28) thirteenth 4.98 (8.01) fourteenth 5.22 (8.40) fifteenth 5.30 (8.53) sixteenth 5.83 (9.38) seventeenth 6.16 (9.91) eighteenth 6.88 (11.07) nineteenth 7.21 (11.60) twentieth 7.56 (12.16) twenty-first 8.05 (12.95) twenty-second 8.84 (14.23) twenty-third 10.44 (16.80) twenty-fourth 10.79 (17.37) twenty-fifth 12.22 (19.66) twenty-sixth 12.63 (20.32) twenty-seventh 14.69 (23.64) twenty-eighth 14.91 (23.99) twenty-ninth 17.19 (27.67) thirtieth 17.45 (28.08) thirty-first 20.29 (32.66) thirty-second 23.76 (38.23) reverse 1.51 (2.43), 1.77 (2.85), 2.09 (3.36), 2.29 (3.69), 2.44 (3.93), 2.68 (4.32), 3.17 (5.10), 3.27 (5.27), 3.71 (5.97), 3.83 (6.17), 4.46 (7.18), 4.52 (7.28), 4.98 (8.01), 5.22 (8.40), 5.30 (8.53), 5.83 (9.38), 6.16 (9.91), 6.88 (11.07), 7.21 (11.60), 7.56 (12.16), 8.05 (12.95), 8.84 (14.23), 10.44 (16.80), 10.79 (17.37),

DRAWBAR PERFORMANCE
(Unballasted - Front Drive Engaged)
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)	
95.1 (70.9)	12950 (57.6)	2.75 (4.43)	2209	15	7th(2TC) Gear 0.559 (0.340)		12.69 (2.50)	185 (85)	57 (14)	30.4 (102.9)
99.0 (73.8)	12770 (56.8)	2.91 (4.68)	2202	13	8th(3TA) Gear 0.539 (0.328)		13.15 (2.59)	182 (83)	57 (14)	30.4 (102.9)
110.8 (82.6)	12725 (56.6)	3.26 (5.25)	2145	12	9th(2TD) Gear 0.514 (0.313)		13.81 (2.72)	182 (83)	57 (14)	30.4 (102.9)
112.5 (83.9)	12570 (55.9)	3.36 (5.40)	2127	11	10th(3TB) Gear 0.512 (0.311)		13.86 (2.73)	187 (86)	57 (14)	30.4 (102.9)
118.3 (88.2)	11890 (52.9)	3.73 (6.00)	1995	10	11th(4TA) Gear 0.496 (0.301)		14.31 (2.82)	182 (83)	57 (14)	30.4 (102.9)
118.5 (88.4)	11800 (52.5)	3.77 (6.06)	1984	10	12th(3TC) Gear 0.494 (0.300)		14.36 (2.83)	183 (84)	57 (14)	30.4 (102.9)
122.6 (91.4)	11175 (49.7)	4.11 (6.62)	1942	9	13th(1LA) Gear 0.478 (0.291)		14.82 (2.92)	185 (85)	57 (14)	30.4 (102.9)
123.6 (92.2)	10725 (47.7)	4.32 (6.95)	1920	8	14th(4TB) Gear 0.473 (0.288)		15.00 (2.96)	185 (85)	57 (14)	30.4 (102.9)
123.9 (92.4)	10715 (47.7)	4.34 (6.98)	1907	8	15th(3TD) Gear 0.473 (0.288)		14.99 (2.95)	182 (83)	57 (14)	30.4 (102.9)
127.5 (95.1)	9855 (43.8)	4.85 (7.81)	1917	7	16th(1LB) Gear 0.458 (0.279)		15.48 (3.05)	180 (82)	57 (14)	30.4 (102.9)
124.8 (93.1)	9080 (40.4)	5.15 (8.29)	1903	6	17th(4TC) Gear 0.467 (0.284)		15.18 (2.99)	182 (83)	57 (14)	30.4 (102.9)
128.0 (95.5)	8230 (36.6)	5.83 (9.39)	1914	5	18th(1LC) Gear 0.459 (0.279)		15.44 (3.04)	183 (84)	59 (15)	30.4 (102.9)
125.3 (93.4)	7665 (34.1)	6.13 (9.87)	1905	4	19th(4TD) Gear 0.466 (0.284)		15.22 (3.00)	183 (84)	59 (15)	30.4 (102.9)
129.6 (96.7)	7475 (33.2)	6.50 (10.47)	1930	4	20th(2LA) Gear 0.452 (0.275)		15.68 (3.09)	183 (84)	59 (15)	30.4 (102.9)
127.4 (95.0)	6985 (31.1)	6.84 (11.01)	1899	4	21st(1LD) Gear 0.459 (0.279)		15.45 (3.04)	182 (83)	61 (16)	30.4 (102.8)
128.1 (95.5)	6325 (28.1)	7.59 (12.21)	1900	3	22nd(2LB) Gear 0.460 (0.280)		15.43 (3.04)	182 (83)	63 (17)	30.4 (102.8)
126.3 (94.2)	5400 (24.0)	8.77 (14.11)	1904	4	23rd(2LC) Gear 0.463 (0.282)		15.32 (3.02)	189 (87)	64 (18)	30.4 (102.8)
127.0 (94.7)	5250 (23.3)	9.07 (14.60)	1904	4	24th(3LA) Gear 0.461 (0.281)		15.38 (3.03)	183 (84)	64 (18)	30.4 (102.8)

12.22 (19.66), 12.63 (20.32), 14.69 (23.64), 14.91 (23.99), 17.19 (27.67), 17.45 (28.08), 20.29 (32.66), 23.76 (38.23) **Clutch** multiple wet disc operated by foot pedal **Brakes** multiple wet disc hydraulically operated by two foot pedals that can be locked together **Steering** hydrostatic **Power take-off** 540 rpm at 1993 engine rpm or 1000 rpm at 2091 engine rpm **Unladen tractor mass** 16030 lb (7270 kg)

REPAIRS AND ADJUSTMENTS: No repairs or adjustments

Note: This tractor has an electronic control system that automatically disengages the front axle when the travel speed exceeds 8.0 mph (13.0 km/h).

REMARKS: All test results were determined from observed data obtained in accordance with official OECD test procedures. The performance figures on this summary were taken from a test conducted under the OECD Code II test procedure.

We, the undersigned, certify that this is a true summary of data from OECD Report No. **2001**, Nebraska Summary 383, January 13, 2003.

Leonard L. Bashford
Director

M.F. Kocher
V.I. Adamchuk
W.P. Campbell
Board of Tractor Test Engineers

DRAWBAR PERFORMANCE
(Ballasted - Front Drive Engaged)
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) cool- ing med	Air dry bulb	Barom. inch Hg (kPa)	
108.8 (81.1)	14335 (63.8)	2.85 (4.58)	2136	14	8th(3TA) Gear 0.514 (0.313)	13.81 (2.72)	183 (84)	61 (16)	30.3 (102.5)
114.9 (85.7)	14060 (62.5)	3.06 (4.93)	2019	13	9th(2TD) Gear 0.511 (0.311)	13.88 (2.74)	183 (84)	61 (16)	30.2 (102.4)
116.0 (86.5)	13265 (59.0)	3.28 (5.28)	2041	11	10th(3TB) Gear 0.503 (0.306)	14.11 (2.78)	185 (85)	61 (16)	30.2 (102.4)
119.5 (89.1)	11905 (53.0)	3.76 (6.06)	1958	9	11th(4TA) Gear 0.487 (0.296)	14.57 (2.87)	183 (84)	61 (16)	30.2 (102.4)
119.6 (89.2)	11780 (52.4)	3.81 (6.13)	1953	9	12th(3TC) Gear 0.487 (0.296)	14.57 (2.87)	181 (83)	61 (16)	30.2 (102.4)
122.7 (91.5)	10905 (48.5)	4.22 (6.79)	1942	8	13th(1LA) Gear 0.472 (0.287)	15.02 (2.96)	181 (83)	63 (17)	30.2 (102.4)
122.0 (91.0)	10510 (46.8)	4.35 (7.01)	1904	7	14th(4TB) Gear 0.477 (0.290)	14.87 (2.93)	181 (83)	63 (17)	30.2 (102.4)
124.0 (92.5)	10410 (46.3)	4.47 (7.19)	1919	7	15th(3TD) Gear 0.467 (0.284)	15.18 (2.99)	181 (83)	63 (17)	30.2 (102.4)
128.9 (96.1)	9845 (43.8)	4.91 (7.90)	1900	6	16th(1LB) Gear 0.458 (0.279)	15.48 (3.05)	178 (81)	64 (18)	30.2 (102.4)
125.3 (93.4)	8910 (39.6)	5.27 (8.48)	1911	5	17th(4TC) Gear 0.472 (0.287)	15.02 (2.96)	181 (83)	66 (19)	30.2 (102.4)
127.9 (95.4)	8095 (36.0)	5.93 (9.54)	1913	5	18th(1LC) Gear 0.460 (0.280)	15.43 (3.04)	183 (84)	66 (19)	30.2 (102.4)
124.7 (93.0)	7475 (33.3)	6.26 (10.07)	1916	5	19th(4TD) Gear 0.470 (0.286)	15.08 (2.97)	180 (82)	66 (19)	30.2 (102.4)
126.7 (94.5)	7285 (32.4)	6.52 (10.50)	1903	4	20th(2LA) Gear 0.461 (0.280)	15.39 (3.03)	181 (83)	66 (19)	30.2 (102.4)
127.1 (94.8)	6850 (30.5)	6.96 (11.20)	1900	4	21st(1LD) Gear 0.461 (0.280)	15.39 (3.03)	183 (84)	66 (19)	30.2 (102.3)
126.7 (94.5)	6105 (27.2)	7.78 (12.53)	1924	4	22nd(2LB) Gear 0.461 (0.280)	15.39 (3.03)	181 (83)	68 (20)	30.2 (102.3)
122.0 (91.0)	5140 (22.9)	8.90 (14.33)	1899	5	23rd(2LC) Gear 0.477 (0.290)	14.87 (2.93)	183 (84)	68 (20)	30.2 (102.3)
123.2 (91.9)	5020 (22.3)	9.20 (14.81)	1902	5	24th(3LA) Gear 0.473 (0.288)	14.97 (2.95)	181 (83)	68 (20)	30.2 (102.3)

TIRES, BALLAST AND WEIGHT

	With Ballast	Without Ballast
Rear Tires - No., size, ply & psi(kPa)	Four 480/80R42;**,15(100)	Two 480/80R42;**,15(100)
Ballast - Duals (total)	940 lb (428 kg)	None
- Cast Iron (total)	None	None
Front Tires - No., size, ply & psi(kPa)	Two 380/85R30;**,16(110)	Two 380/85R30;**,16(110)
Ballast - Liquid (total)	None	None
- Cast Iron (total)	1240 lb (562 kg)	None
Height of Drawbar	17.7 in (450 mm)	17.7 in (450 mm)
Static Weight with operator - Rear	10805 lb (4900 kg)	10320 lb (4680 kg)
- Front	7575 lb (3435 kg)	5875 lb (2665 kg)
- Total	18375 lb (8335 kg)	16195 lb (7345 kg)

DRAWBAR PERFORMANCE
(Unballasted - Front Drive Disengaged)
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)
10th(3TB) Gear									
93.7 (69.9)	10575 (47.0)	3.32 (5.35)	2221	15	0.557 (0.339)	12.74 (2.51)	183 (84)	61 (16)	30.3 (102.7)
11th(4TA) Gear									
107.3 (80.0)	10230 (45.5)	3.93 (6.33)	2184	12	0.527 (0.320)	13.47 (2.65)	185 (85)	61 (16)	30.3 (102.7)
12th(3TC) Gear									
108.9 (81.2)	10330 (46.0)	3.95 (6.36)	2157	12	0.522 (0.318)	13.58 (2.68)	185 (85)	61 (16)	30.3 (102.7)
13th(1LA) Gear									
113.7 (84.8)	9975 (44.4)	4.28 (6.88)	2107	11	0.502 (0.305)	14.13 (2.78)	187 (86)	63 (17)	30.3 (102.7)
14th(4TB) Gear									
115.1 (85.8)	9890 (44.0)	4.36 (7.02)	2041	11	0.498 (0.303)	14.25 (2.81)	184 (84)	63 (17)	30.3 (102.7)
15th(3TD) Gear									
116.7 (87.0)	9825 (43.7)	4.45 (7.16)	2041	11	0.494 (0.301)	14.35 (2.83)	184 (84)	63 (17)	30.3 (102.7)
16th(1LB) Gear									
121.2 (90.4)	9285 (41.3)	4.89 (7.87)	2010	10	0.481 (0.293)	14.72 (2.90)	181 (83)	63 (17)	30.3 (102.7)
17th(4TC) Gear									
119.5 (89.1)	9070 (40.3)	4.94 (7.95)	1914	9	0.487 (0.296)	14.57 (2.87)	183 (84)	63 (17)	30.3 (102.7)
18th(1LC) Gear									
124.4 (92.8)	8455 (37.6)	5.52 (8.89)	1894	8	0.469 (0.285)	15.13 (2.98)	181 (83)	63 (17)	30.3 (102.7)
19th(4TD) Gear									
122.2 (91.1)	7800 (34.7)	5.88 (9.46)	1902	7	0.473 (0.288)	14.97 (2.95)	183 (84)	64 (18)	30.3 (102.7)
20th(2LA) Gear									
126.6 (94.4)	7580 (33.7)	6.26 (10.08)	1931	7	0.460 (0.280)	15.43 (3.04)	183 (84)	64 (18)	30.3 (102.7)
21st(1LD) Gear									
125.8 (93.8)	7105 (31.6)	6.64 (10.68)	1904	6	0.461 (0.280)	15.39 (3.03)	181 (83)	64 (18)	30.3 (102.7)
22nd(2LB) Gear									
126.2 (94.1)	6405 (28.5)	7.39 (11.89)	1913	5	0.461 (0.281)	15.39 (3.03)	183 (84)	64 (18)	30.3 (102.7)
23rd(2LC) Gear									
125.1 (93.3)	5360 (23.8)	8.75 (14.09)	1899	4	0.463 (0.282)	15.32 (3.02)	190 (88)	64 (18)	30.3 (102.7)
24th(3LA) Gear									
126.2 (94.1)	5195 (23.1)	9.11 (14.66)	1908	4	0.458 (0.278)	15.50 (3.05)	183 (84)	64 (19)	30.3 (102.7)

TIRES, BALLAST AND WEIGHT

	With Ballast	Without Ballast
Rear Tires - No., size, ply & psi(kPa)	Four 480/80R42;**,15(100)	Two 480/80R42;**,15(100)
Ballast - Duals (total)	940 lb (428 kg)	None
- Cast Iron (total)	None	None
Front Tires - No., size, ply & psi(kPa)	Two 380/85R30;**,16(110)	Two 380/85R30;**,16(110)
Ballast - Liquid (total)	None	None
- Cast Iron (total)	None	None
Height of Drawbar	33.5 in (850 mm)	33.5 in (850 mm)
Static Weight with operator - Rear	11260 lb (5108 kg)	10320 lb (4680 kg)
- Front	5875 lb (2665 kg)	5875 lb (2665 kg)
- Total	17135 lb (7773 kg)	16195 lb (7345 kg)

DRAWBAR PERFORMANCE
(Ballasted - Front Drive Disengaged)
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) cool- ing med	Air dry bulb	Barom. inch Hg (kPa)
11th(4TA) Gear								
110.1 (82.1)	11625 (51.7)	3.55 (5.71)	2000	14.9	0.531 (0.323)	13.35 (2.63)	185 (85)	68 (20) (101.4)
12th(3TC) Gear								
110.0 (82.0)	11385 (50.6)	3.62 (5.83)	2000	14.8	0.527 (0.321)	13.45 (2.65)	183 (84)	68 (20) (101.4)
13th(1LA) Gear								
115.3 (86.0)	11085 (49.3)	3.90 (6.28)	1935	13.6	0.504 (0.307)	14.06 (2.77)	181 (83)	70 (21) (101.4)
14th(4TB) Gear								
116.1 (86.6)	10600 (47.2)	4.11 (6.61)	1916	12.8	0.500 (0.304)	14.17 (2.79)	183 (84)	70 (21) (101.4)
15th(3TD) Gear								
116.4 (86.8)	10410 (46.3)	4.19 (6.74)	1924	12.0	0.499 (0.303)	14.22 (2.80)	185 (85)	72 (22) (101.4)
16th(1LB) Gear								
120.2 (89.6)	9675 (43.0)	4.66 (7.49)	1910	11.0	0.483 (0.294)	14.67 (2.89)	185 (85)	72 (22) (101.4)
17th(4TC) Gear								
118.0 (88.0)	8840 (39.4)	5.00 (8.05)	1909	8.9	0.492 (0.299)	14.42 (2.84)	189 (87)	72 (22) (101.3)
18th(1LC) Gear								
122.2 (91.1)	8055 (35.8)	5.70 (9.17)	1919	8.2	0.475 (0.289)	14.92 (2.94)	185 (85)	72 (22) (101.3)
19th(4TD) Gear								
120.6 (89.9)	7555 (33.6)	5.99 (9.64)	1910	7.9	0.478 (0.291)	14.82 (2.92)	187 (86)	73 (23) (101.3)
20th(2LA) Gear								
123.9 (92.4)	7395 (32.9)	6.28 (10.11)	1906	7.6	0.472 (0.287)	15.02 (2.96)	183 (84)	73 (23) (101.3)
21st(1LD) Gear								
123.9 (92.4)	6915 (30.8)	6.72 (10.81)	1902	7.2	0.466 (0.283)	15.23 (3.00)	191 (88)	73 (23) (101.3)
22nd(2LB) Gear								
124.0 (92.5)	6230 (27.7)	7.46 (12.01)	1902	5.5	0.470 (0.286)	15.08 (2.97)	187 (86)	73 (23) (101.3)
23rd(2LC) Gear								
123.5 (92.1)	5190 (23.1)	8.92 (14.36)	1903	4.8	0.466 (0.283)	15.23 (3.00)	185 (85)	73 (23) (101.3)
24th(3LA) Gear								
123.1 (91.8)	5035 (22.4)	9.17 (14.75)	1891	4.2	0.468 (0.285)	15.16 (2.99)	185 (85)	75 (24) (101.3)

TRACTOR SOUND LEVEL WITH CAB	Front Wheel Drive	
	Disengaged dB(A)	Engaged dB(A)
At no load in 12th(3TC) gear	75.0	75.0
Bystander	--	--

THREE POINT HITCH PERFORMANCE (OECD Static Test)

CATEGORY: II

Quick Attach: None

Maximum Force Exerted

Through Whole Range: 15510 lbs (69.0 kN)

- | | |
|---|------------------------|
| i) Opening pressure of relief valve: | NA |
| Sustained pressure of the open relief valve: | 2830 psi (195 bar) |
| ii) Pump delivery rate at minimum pressure: | 31.5 GPM (119.3 l/min) |
| iii) Pump delivery rate at maximum hydraulic power: | 28.6 GPM (108.1 l/min) |
| Delivery pressure: | 2205 psi (152 bar) |
| Power: | 36.7 HP (27.4 kW) |

HITCH DIMENSIONS AS TESTED—NO LOAD

	inch	mm
A	30.3	770
B	15.0	380
C	19.5	495
D	17.7	450
E	4.3	108
F	13.0	330
G	34.7	882
H	3.0	77
I	18.5	471
J	21.7	552
K	22.8	580
L	47.9	1217
M	23.1	587
N	38.1	967
O	8.9	225
P	45.7	1162
Q	35.4	899
R	35.6	905

