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2015

## Test 2134: John Deere 9570RT

Nebraska Tractor Test Lab

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# NEBRASKA OECD TRACTOR TEST 2134—SUMMARY 1004

## JOHN DEERE 9570RT DIESEL

### 18 SPEED

#### POWER TAKE-OFF PERFORMANCE

Power HP (kW)	Crank shaft speed rpm	Diesel Consumption Gal/hr (l/h)	lb/hp.hr (kg/kW.h)	Hp.hr/gal (kW.h/l)	D.E.F. Consumption Gal/hr (l/h)	Mean Atmospheric Conditions
MAXIMUM POWER AND FUEL CONSUMPTION						
Rated Engine Speed—(PTO speed—1109 rpm)						
307.32 (229.17)	2101	19.31 (73.11)	0.440 (0.268)	15.91 (3.13)	0.82 (3.11)	Fuel used during active exhaust regeneration-0.85 gal (3.20 l) (see note 1, p.2)
Standard Power Take-off Speed(1000 rpm)						
347.69 (259.28)	1895	20.33 (76.94)	0.409 (0.249)	17.11 (3.37)	0.70 (2.66)	
Maximum Power (1 hour)						
357.27 (266.42)	1701	20.02 (75.79)	0.393 (0.239)	17.84 (3.52)	0.79 (3.00)	

#### VARYING POWER AND FUEL CONSUMPTION

307.32 (229.17)	2101	19.31 (73.11)	0.440 (0.268)	15.91 (3.13)	0.82 (3.11)	Air temperature
262.69 (195.89)	2112	17.31 (65.54)	0.462 (0.281)	15.17 (2.99)	0.76 (2.87)	73°F (23°C)
197.79 (147.49)	2123	14.37 (54.41)	0.509 (0.310)	13.76 (2.71)	0.53 (1.99)	Relative humidity
132.74 (98.99)	2134	11.56 (43.77)	0.610 (0.371)	11.48 (2.26)	0.48 (1.81)	37%
66.54 (49.62)	2145	9.02 (34.15)	0.950 (0.578)	7.38 (1.45)	0.28 (1.06)	Barometer
0.81 (0.60)	2157	6.67 (25.26)	58.007 (35.284)	0.12 (0.02)	0.17 (0.66)	28.14" Hg (95.30 kPa)

Maximum Torque - 1160 lb.-ft. (1573 Nm) at 1552 rpm

Maximum Torque Rise - 51.0%

Torque rise at 1682 engine rpm - 44%

Power increase at 1701 rpm - 16.3%

#### 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)	D.E.F. Consumption lb/hp.hr (kg/kW.h)	Temp. °F (°C) cool- ing med	Air dry bulb	Barom. inch Hg (kPa)
Maximum Power—7th Gear- Manual mode										
441.46 (329.20)	32641 (145.19)	5.07 (8.16)	2099	2.1	0.437 (0.266)	16.03 (3.16)	0.017 (0.011)	208 (98)	51 (11)	28.70 (97.19)
75% of Pull at Maximum Power—7th Gear- Manual mode										
345.92 (257.95)	24453 (108.77)	5.31 (8.54)	2173	1.1	0.455 (0.277)	15.40 (3.03)	0.025 (0.015)	207 (97)	57 (14)	28.60 (96.85)
50% of Pull at Maximum Power—7th Gear- Manual mode										
234.78 (175.07)	16295 (72.48)	5.40 (8.69)	2202	0.6	0.510 (0.310)	13.73 (2.70)	0.031 (0.019)	205 (96)	58 (14)	28.57 (96.75)
75% of Pull at Reduced Engine Speed—5.3 mph (8.6 km/h)-Auto mode										
344.97 (257.24)	24451 (108.76)	5.29 (8.51)	1585	1.2	0.404 (0.245)	17.36 (3.42)	0.027 (0.016)	206 (97)	57 (14)	28.59 (96.82)
50% of Pull at Reduced Engine Speed—5.5 mph (8.8 km/h)-Auto mode										
234.80 (175.09)	16173 (71.94)	5.44 (8.75)	1467	0.5	0.432 (0.263)	16.23 (3.20)	0.030 (0.018)	193 (89)	58 (15)	28.56 (96.72)

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

**Dates of tests:** October 27 to November 13, 2015

**Manufacturer:** John Deere Tractor Works, 3500 East Donald St., P.O. Box 270, Waterloo Ia, 50704-0270

**CONSUMABLE Fluids, OIL and TIME: Fuel** No. 2 Diesel **Specific gravity converted to 60°/60°F (15°/15°C)** 0.8412 **Fuel weight** 7.004 lbs/gal (0.839 kg/l) **Diesel Exhaust Fluid (DEF)** 32% aqueous urea solution **DEF weight** 9.071 lbs/gal (1.087 kg/l) **Oil SAE 10W-30 API service classification** CJ-4 **Transmission, hydraulic and final drive lubricant** John Deere Hy-Gard fluid **Total time engine was operated:** 33.0 hours

**ENGINE: Make** Cummins **Diesel Type** six cylinder vertical with turbocharger, air to air aftercooler and D.E.F. (diesel exhaust fluid) exhaust treatment **Serial No.** \*79809376\* **Crankshaft** lengthwise **Rated engine speed** 2100 **Bore and stroke** 5.394" x 6.654" (137.0 mm x 169.0 mm) **Compression ratio** 17.2 to 1 **Displacement** 912 cu in (14948 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, radiator for transmission/hydraulic oil also feeding rear axle **Fuel filter** two paper cartridges **Fuel cooler** radiator for returned fuel **Exhaust** DOC (diesel oxidation catalyst), SCR (selective catalyst reduction) and regenerative DPF (diesel particulate filter) integrated within a vertical muffler **Cooling medium temperature control** thermostat and variable speed fan

**ENGINE OPERATING PARAMETERS: Fuel rate:** Stationary PTO operation (395 engine hp) 130.3 - 141.0 lb/h (59.1 - 64.0 kg/h), Drawbar operations (470 engine hp) 155.1 - 167.2 lb/h (70.4 - 75.8 kg/h), (495 engine hp) 165.3 - 178.4 lb/h (75.0 - 80.9 kg/h), (520 engine hp) 173.5 - 187.6 lb/h (78.7 - 85.1 kg/h), (545 engine hp) 180.7 - 194.8 lb/h (82.0 - 88.4 kg/h), (570 engine hp) 189.0 - 204.1 lb/h (85.7 - 92.6 kg/h) **High idle:** 2215 - 2265 rpm (2125 - 2175 rpm with PTO engaged) **Turbo boost:** (570 engine hp) nominal 26.8 - 29.7 psi (185 - 205 kPa) as measured 28.0 psi (195 kPa)

**CHASSIS: Type** tracklayer-rubber tracked **Serial No.** \*1RW9570RJFP907080\* **Track width** 107.4" (2728 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 2.51 (4.04) second 3.09 (4.97) third 3.41 (5.49) fourth 3.82 (6.14) fifth 4.20 (6.76) sixth 4.70 (7.56) seventh 5.20 (8.36)

**DRAWBAR PERFORMANCE**  
**(Unballasted at 2100 rpm, Manual Mode)**

**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)	D.E.F Consumption lb/hp.hr (kg/kW.h)	Temp.°F(°C) cool- ing med	Air dry bulb	Barom. inch Hg (kPa)
300.91 (224.39)	51005 (226.88)	2.22 (3.56)	2118	12.3	1st Gear 0.520 (0.317)	13.46 (2.65)	0.027 (0.016)	206 (97)	51 (11)	28.73 (97.29)
336.15 (250.67)	43355 (192.85)	2.91 (4.68)	2100	5.7	2nd Gear 0.472 (0.287)	14.85 (2.92)	0.024 (0.015)	206 (97)	53 (12)	28.71 (97.22)
366.42 (273.24)	42557 (189.30)	3.23 (5.20)	2099	5.2	3rd Gear 0.457 (0.278)	15.33 (3.02)	0.023 (0.014)	207 (97)	54 (12)	28.71 (97.22)
390.56 (291.24)	40153 (178.61)	3.65 (5.87)	2100	4.2	4th Gear 0.450 (0.273)	15.58 (3.07)	0.022 (0.013)	207 (97)	55 (13)	28.72 (97.26)
412.68 (307.73)	38285 (170.30)	4.05 (6.51)	2100	3.5	5th Gear 0.443 (0.270)	15.80 (3.11)	0.020 (0.012)	207 (97)	50 (10)	28.54 (96.65)
436.55 (325.53)	35911 (159.74)	4.56 (7.34)	2100	2.8	6th Gear 0.442 (0.269)	15.83 (3.12)	0.017 (0.010)	208 (98)	54 (12)	28.64 (97.00)
441.46 (329.20)	32641 (145.19)	5.07 (8.16)	2099	2.1	7th Gear 0.437 (0.266)	16.03 (3.16)	0.017 (0.011)	208 (98)	51 (11)	28.70 (97.19)
440.79 (328.69)	29197 (129.87)	5.66 (9.11)	2100	1.6	8th Gear 0.434 (0.264)	16.14 (3.18)	0.018 (0.011)	208 (98)	49 (10)	28.71 (97.22)
440.40 (328.40)	26235 (116.70)	6.30 (10.13)	2100	1.3	9th Gear 0.436 (0.265)	16.08 (3.17)	0.017 (0.011)	208 (98)	52 (11)	28.69 (97.16)
440.50 (328.48)	23556 (104.78)	7.01 (11.28)	2100	1.0	10th Gear 0.437 (0.266)	16.03 (3.16)	0.017 (0.010)	208 (98)	53 (12)	28.69 (97.16)
437.87 (326.52)	21150 (94.08)	7.76 (12.49)	2099	0.8	11th Gear 0.438 (0.266)	16.01 (3.15)	0.018 (0.011)	208 (98)	54 (12)	28.67 (97.09)
438.19 (326.76)	19009 (84.56)	8.65 (13.91)	2099	0.6	12th Gear 0.438 (0.266)	16.00 (3.15)	0.018 (0.011)	208 (98)	54 (12)	28.66 (97.05)

eighth 5.77 (9.29) ninth 6.39 (10.29) tenth 7.10 (11.43) eleventh 7.85 (12.63) twelfth 8.73 (14.05) thirteenth 9.66 (15.55) fourteenth 10.75 (17.30) fifteenth 13.29 (21.39) sixteenth 16.35 (26.31) seventeenth 20.07 (32.30) eighteenth 24.72 (39.77) reverse 2.51 (4.04), 3.41 (5.49), 3.82 (6.14), 5.20 (8.36), 5.77 (9.29), 7.85 (12.63) **Clutch** wet multiple disc hydraulically actuated by foot pedal **Brakes** wet multiple disc hydraulically actuated by foot pedal **Steering** electro-hydraulic differential steering controlled by steering wheel **Power take-off** 1000 rpm at 1895 engine rpm **Unladen tractor mass** 47500 lb (21546 kg)

**REPAIRS AND ADJUSTMENTS:** No repairs or adjustments.

**NOTE 1.** The manufacturer declares that the average time between active regenerations is 60 hours.

**NOTE 2.** The 9570RT engine has an electronic control system which provides a vehicle protection system to avoid overloading the drive train. This system provides five different engine power levels. At 2100 rpm the engine produces up to 470 hp when the transmission is in forward gears 1 and 2. At 2100 rpm the engine produces 495 hp when the transmission is in gear 3. The engine produces 520 hp when the transmission is in gear 4. The engine produces 545 hp when the transmission is in gear 5. The engine produces 570 hp at 2100 rpm for all other gears.

**REMARKS:** All test results were determined from observed data obtained in accordance with official OECD, SAE and Nebraska test procedures. The performance figures on this summary were taken from a test conducted under the OECD Code 2 test procedure.

We, the undersigned, certify that this is a true and correct report of official Tractor Test No. **2134**, Nebraska Summary 1004, January 19, 2016

Roger M. Hoy  
Director

M.F. Kocher  
P.J. Jasa  
S.K. Pitla  
Board of Tractor Test Engineers

**TRACTOR SOUND LEVEL WITH CAB**

**dB(A)**

At no load in 6th gear	73.2
Transport speed - no load - 18th gear	75.0
Bystander in 18th gear	89.9

**TIRES, BALLAST AND WEIGHT**

**Track width**

**Ballast** - Cast iron (front)  
- Cast iron (idlers)  
- Cast iron (side)

**Height of Drawbar**

**Static Weight with operator**

**With Ballast**

36.0 in (915 mm)  
3260 lb (1479 kg)  
340 lb (154 kg)  
2725 lb (1236 kg)  
21.0 in (535 mm)  
54000 lb (24494 kg)

**Without Ballast**

36.0 in (915 mm)  
None  
None  
None  
21.0 in (535 mm)  
47675 lb (21625 kg)

**DRAWBAR PERFORMANCE**  
**UNBALLASTED - AUTO MODE**  
**(Loads based on 2100 engine rpm manual mode performance runs)**  
**DRAWBAR POWER AT SELECTED TRAVEL SPEEDS**

Power Hp (kW)	Drawbar pull lbs (kN)	Speed mph (km/h)	Crank- shaft speed rpm	Slip %	Fuel Consumption		D.E.F. Consumption	Temp. °F (°C)	Air cool- ing med	Barom. inch Hg (kPa)
					lb/hp.hr (kg/kW.h)	Hp.hr/gal (kW.h/l)	lb/hp.hr (kg/kW.h)			
3.9 mph (6.2 km/h)										
390.21 (290.98)	39538 (175.87)	3.70 (5.95)	1562	4.0	0.410 (0.249)	17.10 (3.37)	0.022 (0.013)	208 (98)	54 (12)	28.72 (97.26)
4.2 mph (6.8 km/h)										
413.66 (308.47)	38027 (169.15)	4.08 (6.57)	1713	3.5	0.411 (0.250)	17.02 (3.35)	0.022 (0.013)	207 (97)	51 (10)	28.53 (96.61)
4.7 mph (7.6 km/h)										
438.21 (326.77)	35793 (159.21)	4.59 (7.39)	1723	2.8	0.407 (0.248)	17.21 (3.39)	0.022 (0.013)	208 (98)	55 (13)	28.63 (96.95)
5.2 mph (8.4 km/h)										
440.74 (328.66)	32318 (143.76)	5.11 (8.22)	1719	2.1	0.408 (0.248)	17.17 (3.38)	0.023 (0.014)	207 (97)	52 (11)	28.70 (97.19)
5.7 mph (9.2 km/h)										
439.52 (327.75)	29281 (130.25)	5.63 (9.06)	1696	1.6	0.403 (0.245)	17.37 (3.42)	0.024 (0.015)	207 (97)	50 (10)	28.70 (97.19)
6.3 mph (10.2 km/h)										
440.27 (328.31)	26364 (117.27)	6.26 (10.07)	1700	1.3	0.404 (0.246)	17.35 (3.42)	0.025 (0.015)	207 (97)	53 (12)	28.69 (97.16)
7.1 mph (11.4 km/h)										
439.46 (327.71)	23496 (104.51)	7.01 (11.28)	1708	1.0	0.403 (0.245)	17.39 (3.43)	0.024 (0.015)	207 (97)	54 (12)	28.68 (97.12)
7.8 mph (12.6 km/h)										
438.50 (326.99)	21156 (94.10)	7.77 (12.50)	1707	0.8	0.408 (0.248)	17.16 (3.38)	0.024 (0.015)	208 (98)	54 (12)	28.66 (97.05)
8.7 mph (14.0 km/h)										
437.87 (326.52)	19004 (84.53)	8.64 (13.90)	1704	0.7	0.405 (0.246)	17.31 (3.41)	0.024 (0.015)	207 (97)	54 (12)	28.65 (97.02)

**DRAWBAR PERFORMANCE**  
**(Unballasted at 1750 RPM, Manual mode)**  
**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)	D.E.F Consumption lb/hp.hr (kg/kW.h)	Temp. °F(°C) cool- ing med	Air dry bulb	Barom. inch Hg (kPa)
301.96 (225.17)	51150 (227.53)	2.22 (3.56)	2118	12.3	1st Gear 0.518 (0.315)	13.52 (2.66)	0.028 (0.017)	206 (97)	51 (11)	28.74 (97.33)
348.56 (259.92)	47255 (210.20)	2.77 (4.46)	2043	7.7	2nd Gear 0.475 (0.289)	14.76 (2.91)	0.024 (0.015)	207 (97)	53 (11)	28.73 (97.29)
376.18 (280.52)	45535 (202.55)	3.10 (4.99)	2054	7.0	3rd Gear 0.459 (0.279)	15.27 (3.01)	0.023 (0.014)	207 (97)	54 (12)	28.71 (97.22)
408.50 (304.62)	44141 (196.35)	3.48 (5.59)	2033	5.8	4th Gear 0.448 (0.272)	15.65 (3.08)	0.021 (0.012)	208 (98)	54 (12)	28.71 (97.22)
440.83 (328.73)	43431 (193.19)	3.81 (6.13)	2019	5.5	5th Gear 0.442 (0.269)	15.84 (3.12)	0.019 (0.012)	208 (98)	54 (12)	28.71 (97.22)
471.29 (351.44)	42570 (189.36)	4.16 (6.69)	1961	5.2	6th Gear 0.438 (0.266)	16.00 (3.15)	0.017 (0.010)	209 (98)	55 (13)	28.71 (97.22)
486.50 (362.78)	41530 (184.73)	4.40 (7.07)	1867	4.8	7th Gear 0.425 (0.258)	16.49 (3.25)	0.017 (0.011)	209 (98)	55 (13)	28.71 (97.22)
491.26 (366.33)	40073 (178.25)	4.60 (7.40)	1750	4.2	8th Gear 0.419 (0.255)	16.73 (3.30)	0.018 (0.011)	209 (98)	51 (11)	28.52 (96.58)
494.67 (368.87)	35984 (160.06)	5.16 (8.30)	1749	3.0	9th Gear 0.415 (0.253)	16.87 (3.32)	0.018 (0.011)	209 (98)	49 (9)	28.55 (96.68)
498.19 (371.50)	32322 (143.77)	5.78 (9.30)	1750	2.1	10th Gear 0.411 (0.250)	17.06 (3.36)	0.019 (0.011)	209 (98)	46 (8)	28.58 (96.78)
498.47 (371.71)	29096 (129.42)	6.43 (10.34)	1750	1.6	11th Gear 0.411 (0.250)	17.04 (3.36)	0.018 (0.011)	208 (98)	46 (8)	28.58 (96.78)
500.05 (372.88)	26173 (116.42)	7.17 (11.53)	1750	1.3	12th Gear 0.411 (0.250)	17.06 (3.36)	0.018 (0.011)	208 (98)	47 (8)	28.58 (96.78)
492.88 (367.54)	23238 (103.37)	7.95 (12.79)	1750	1.0	13th Gear 0.416 (0.253)	16.85 (3.32)	0.019 (0.011)	208 (98)	48 (9)	28.56 (96.72)

**Lugging ability in 11th gear**

Crankshaft speed rpm	2099	2001	1900	1850	1749	1599	1399	1100
Pull-lbs (kN)	21100 (93.86)	24116 (107.27)	26317 (117.06)	27269 (121.30)	29166 (129.74)	30894 (137.42)	30225 (134.45)	28186 (125.38)
Increase in pull%	0	14	25	29	38	46	43	34
Power-Hp (kW)	436.88 (325.78)	474.73 (354.01)	491.08 (366.20)	494.87 (369.02)	499.31 (372.34)	482.42 (359.74)	413.44 (308.30)	304.02 (226.71)
Speed-mp/h (km/h)	7.76 (12.49)	7.38 (11.88)	7.00 (11.27)	6.81 (10.96)	6.42 (10.33)	5.86 (9.43)	5.13 (8.26)	4.04 (6.50)
Slip %	0.8	1.0	1.3	1.4	1.6	1.8	1.7	1.4

**DRAWBAR PERFORMANCE**  
**(Ballasted at 1750 RPM, Manual mode)**  
**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)	D.E.F Consumption lb/hp.hr (kg/kW.h)	Temp. °F(°C) cool- ing med	Air dry bulb	Barom. inch Hg (kPa)
335.66 (250.30)	58525 (260.33)	2.15 (3.46)	2035	11.6	1st Gear 0.493 (0.300)	14.20 (2.80)	0.023 (0.014)	208 (98)	58 (14)	28.59 (96.82)
374.08 (278.95)	55187 (245.48)	2.55 (4.10)	1891	8.8	2nd Gear 0.457 (0.278)	15.31 (3.02)	0.022 (0.013)	208 (98)	60 (15)	28.59 (96.82)
409.21 (305.14)	54023 (240.31)	2.85 (4.58)	1894	7.9	3rd Gear 0.442 (0.269)	15.83 (3.12)	0.020 (0.012)	208 (98)	62 (16)	28.60 (96.85)
425.54 (317.32)	50001 (222.42)	3.20 (5.14)	1900	7.6	4th Gear 0.453 (0.275)	15.47 (3.05)	0.019 (0.012)	212 (100)	81 (27)	28.54 (96.65)
450.83 (336.18)	49516 (220.26)	3.42 (5.50)	1843	7.4	5th Gear 0.445 (0.271)	15.73 (3.10)	0.018 (0.011)	212 (100)	82 (28)	28.55 (96.68)
473.32 (352.95)	48592 (216.15)	3.66 (5.88)	1750	7.1	6th Gear 0.442 (0.269)	15.86 (3.13)	0.017 (0.011)	214 (101)	81 (27)	28.56 (96.72)
491.07 (366.19)	44601 (198.40)	4.13 (6.64)	1750	4.6	7th Gear 0.427 (0.260)	16.41 (3.23)	0.016 (0.010)	213 (101)	79 (26)	28.57 (96.75)
498.58 (371.79)	40225 (178.93)	4.65 (7.48)	1750	3.4	8th Gear 0.421 (0.256)	16.62 (3.27)	0.017 (0.010)	214 (101)	80 (27)	28.56 (96.72)
496.96 (370.58)	35821 (159.34)	5.20 (8.37)	1750	2.4	9th Gear 0.419 (0.255)	16.73 (3.30)	0.016 (0.009)	211 (99)	75 (24)	28.59 (96.82)
500.27 (373.05)	32303 (143.69)	5.81 (9.34)	1750	1.9	10th Gear 0.419 (0.255)	16.71 (3.29)	0.016 (0.010)	212 (100)	76 (24)	28.59 (96.82)
500.49 (373.21)	29130 (129.57)	6.45 (10.37)	1750	1.5	11th Gear 0.419 (0.255)	16.74 (3.30)	0.016 (0.009)	212 (100)	77 (25)	28.58 (96.78)
501.16 (373.72)	26163 (116.38)	7.19 (11.56)	1750	1.2	12th Gear 0.417 (0.254)	16.80 (3.31)	0.016 (0.010)	211 (99)	78 (25)	28.58 (96.78)
493.05 (367.67)	23204 (103.22)	7.97 (12.83)	1749	1.0	13th Gear 0.424 (0.258)	16.54 (3.26)	0.016 (0.010)	212 (100)	78 (25)	28.58 (96.78)



## HYDRAULIC PERFORMANCE

CATEGORY: 4N/4

Quick Attach: Yes

OECD Static test

	Category 4N	lift cylinders
Maximum force exerted through whole range:	15410 lbs(68.5 kN) (1 x 90 mm and 1x100 mm) 20679 lbs(92.0 kN) (2 x 110 mm)	
	Category 4	
	15346 lbs(68.3 kN) (1 x 90 mm and 1x100 mm) 20526 lbs(91.3 kN) (2 x 110 mm)	
	<b>Base pump</b>	<b>Tandem pump</b>
	three outlet sets combined	
i) Sustained pressure at compensator cutoff:	2959 psi (204 bar)	2910 psi (201 bar)
ii) Pump delivery rate at minimum pressure and rated engine speed:	61.2 GPM (231.6 l/min)	56.8 GPM (214.9 l/min)
Combined flow:	118.0 GPM (446.5 l/min)	
iii) Pump delivery rate at maximum hydraulic power:	61.2 GPM (231.8 l/min)	57.2 GPM (216.3 l/min)
Delivery pressure:	2614 psi (180 bar)	2458 psi (169 bar)
Power:	93.4 HP (69.6 kW)	82.0 HP (61.1 kW)
	single outlet set	
	3/4" couplers	1/2" couplers
i) Sustained pressure at compensator cutoff:	2856 psi (197 bar)	2957 psi (204 bar)
ii) Pump delivery rate at minimum pressure and rated engine speed:	43.1 GPM (163.2 l/min)	37.0 GPM (140.2 l/min)
iii) Pump delivery rate at maximum hydraulic power:	42.5 GPM (160.9 l/min)	35.0 GPM (132.6 l/min)
Delivery pressure:	2226 psi (153 bar)	2284 psi (157 bar)
Power:	55.2 HP (41.2 kW)	46.7 HP (34.8 kW)

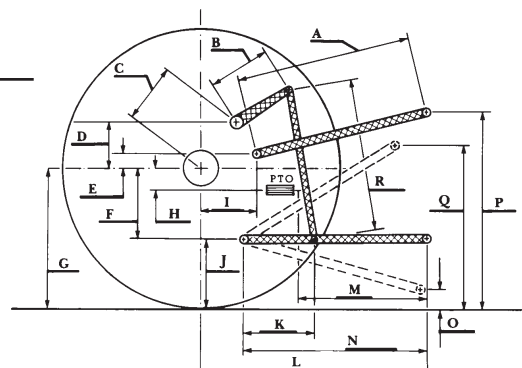
### Category 4N

### Category 4

	inch	mm	inch	mm
A	31.4	798	30.1	765
B	19.7	500	19.7	500
C	25.0	635	25.0	635
D	24.4	620	24.4	620
E	12.8	325	12.8	325
F	13.8	350	13.8	350
G	36.6	930	36.6	930
H	2.4	60	2.4	60
I	18.7	474	18.7	474
J	22.8	580	22.8	580
K	30.9	785	30.9	785
L	52.8	1342	52.8	1342
*L'	58.7	1491	59.6	1515
M	22.8	580	22.8	580
N	51.5	1308	51.5	1308
O	9.0	230	9.0	230
P	49.8	1266	49.8	1266
Q	40.3	1023	40.1	1018
R	50.2	1275	50.4	1280

\*L' to Quick Attach ends

### HITCH DIMENSIONS AS TESTED—NO LOAD



JOHN DEERE 9570RT DIESEL

Institute of Agriculture and Natural Resources  
University of Nebraska-Lincoln