

DRAWBAR PERFORMANCE
UNBALLASTED - FRONT DRIVE ENGAGED - 2100 RPM
MAXIMUM POWER AT SELECTED SPEED SETTINGS

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 cool- ing med	Temp. °F Air dry bulb	Barom. inch Hg (kPa)	
3.7 mph (6.0 km/h)									
241.00 (179.71)	27396 (121.86)	3.30 (5.30)	2151	11.6	0.495 (0.301)	14.24 (2.81)	200 (93)	48 (9)	28.56 (96.72)
4.2 mph (6.8 km/h)									
261.79 (195.21)	26538 (118.04)	3.70 (5.95)	2102	10.5	0.481 (0.291)	14.69 (2.89)	208 (98)	49 (9)	28.62 (96.92)
4.7 mph (7.6 km/h)									
274.30 (204.54)	24000 (106.76)	4.29 (6.90)	2101	7.3	0.459 (0.279)	15.38 (3.03)	213 (100)	50 (10)	28.37 (96.07)
5.1 mph (8.2 km/h)									
279.55 (208.46)	22452 (99.87)	4.67 (7.52)	2100	6.3	0.447 (0.272)	15.79 (3.11)	213 (100)	51 (10)	28.35 (96.01)
5.6 mph (9.0 km/h)									
279.15 (208.16)	20226 (89.97)	5.18 (8.33)	2101	5.4	0.445 (0.271)	15.86 (3.12)	213 (100)	50 (10)	28.92 (97.93)
6.2 mph (10.0 km/h)									
278.16 (207.42)	17973 (79.95)	5.81 (9.34)	2100	4.5	0.449 (0.273)	15.73 (3.10)	212 (100)	48 (9)	28.94 (98.00)
6.8 mph (11.0 km/h)									
277.33 (206.80)	16216 (72.13)	6.41 (10.32)	2101	4.1	0.453 (0.276)	15.58 (3.07)	213 (101)	50 (10)	28.93 (97.97)
7.5 mph (12.0 km/h)									
276.60 (206.26)	14762 (65.66)	7.03 (11.31)	2099	3.6	0.453 (0.275)	15.59 (3.07)	213 (100)	52 (11)	28.86 (97.73)
8.1 mph (13.0 km/h)									
273.22 (203.74)	13437 (59.77)	7.63 (12.27)	2101	3.4	0.456 (0.278)	15.46 (3.05)	215 (101)	52 (11)	28.84 (97.66)
8.7 mph (14.0 km/h)									
272.24 (203.01)	12374 (55.04)	8.25 (13.28)	2101	3.1	0.458 (0.279)	15.40 (3.03)	214 (101)	52 (11)	28.81 (97.56)

TRACTOR SOUND LEVEL WITH CAB	Front Wheel Drive	
	Engaged dB(A)	Disengaged dB(A)
At no load at 4.6 mph (7.5 km/h) engine speed - 2200 rpm	71.0	70.9
At no load at 4.6 mph (7.5 km/h) engine speed - 1200 rpm	64.4	64.0
Transport speed - no load - manual mode		71.7
Transport speed - no load - Full Auto mode		70.6
Bystander		83.1

TIRES, BALLAST AND WEIGHT	With Ballast	Without Ballast
	Rear Tires - No., size, ply & psi (kPa)	Six 480/80R50;***;12(85)
Ballast - Triples (total)	2370 lb (1075 kg)	None
- Cast Iron (total)	5340 lb (2422 kg)	None
Front Tires - No., size, ply & psi (kPa)	Four 420/85R34;***;19(130)	Two 420/85R34;***;26(180)
Ballast - Duals (total)	1600 lb (726 kg)	None
- Cast Iron (total)	2500 lb (1134 kg)	None
Height of Drawbar	20.5 in (520 mm)	21.0 in (535 mm)
Static Weight with operator - Rear	22575 lb (10240 kg)	16260 lb (7375 kg)
- Front	17455 lb (7917 kg)	11960 lb (5425 kg)
- Total	40030 lb (18157 kg)	28220 lb (12800 kg)

REPAIRS AND ADJUSTMENTS: The load sense differential pressure was adjusted prior to the hydraulic flow tests.

NOTE 1: During testing the engine was operated for 29.5 hours. During this period, the tractor experienced one active exhaust filter cleaning while operated in Auto Filter Cleaning Mode. This occurred after 23.2 hours of operation.

NOTE 2: The manufacturer declared that the active exhaust filter cleanings consume an average of 0.04 gal/hr (0.15 l/hr) across total tractor use. Fuel consumed during the active exhaust filter cleanings will normally be less than 1% of the total fuel consumed. The manufacturer declared that no active exhaust filter cleanings occurred during 12 hours of continuous operation of the tractor in the Auto Filter Cleaning Mode at 30% loading and the engine speed at which the maximum torque occurs.

NOTE 3: Auto mode was selected by engaging the Full Auto icon on the control panel screen.

REMARKS: All test results were determined from observed data obtained in accordance with official OECD, SAE and Nebraska test procedures. This tractor did not meet the manufacturer's claims of 44% torque rise nor 12% power bulge. 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 2 test code procedure.

We, the undersigned, certify that this is a true and correct report of official Tractor Test No. 1991, Nebraska Summary 759, May 18, 2011.

Roger M. Hoy
Director

M.F. Kocher
D.R. Keshwani
P.J. Jasa
Board of Tractor Test Engineers

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DRAWBAR PERFORMANCE
UNBALLASTED - FRONT DRIVE ENGAGED - 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	Air dry bulb	Barom. inch Hg (kPa)
6th Gear									
235.25 (175.43)	26222 (116.64)	3.37 (5.42)	2146	11.8	0.474 (0.289)	14.88 (2.93)	190 (88)	48 (9)	28.94 (98.00)
7th Gear									
259.75 (193.70)	24414 (108.60)	3.99 (6.42)	2098	8.1	0.448 (0.272)	15.76 (3.11)	197 (91)	51 (11)	28.95 (98.04)
8th Gear									
267.80 (199.70)	21327 (94.86)	4.71 (7.58)	2099	6.0	0.433 (0.264)	16.28 (3.21)	205 (96)	56 (13)	28.83 (97.63)
9th Gear									
268.85 (200.48)	18267 (81.26)	5.52 (8.88)	2101	4.7	0.431 (0.262)	16.36 (3.22)	210 (99)	54 (12)	28.83 (97.63)
10th Gear									
270.65 (201.82)	15878 (70.63)	6.40 (10.29)	2098	4.1	0.430 (0.261)	16.42 (3.23)	207 (97)	57 (14)	28.83 (97.63)
11th Gear									
267.45 (199.44)	13360 (59.43)	7.51 (12.09)	2101	3.5	0.436 (0.265)	16.18 (3.19)	212 (100)	58 (14)	28.83 (97.63)
12th Gear									
264.40 (197.16)	11424 (50.81)	8.68 (13.96)	2098	3.1	0.436 (0.265)	16.17 (3.19)	214 (101)	62 (17)	28.83 (97.63)

REPAIRS AND ADJUSTMENTS: No repairs or adjustments.

NOTE 1: During testing the engine was operated for 23.0 hours. During this period, the tractor experienced no active exhaust filter cleaning while operated in Auto Filter Cleaning Mode.

NOTE 2: The manufacturer declared that the active exhaust filter cleanings consume an average of 0.04 gal/hr (0.15 l/hr) across total tractor use. Fuel consumed during the active exhaust filter cleanings will normally be less than 1% of the total fuel consumed. The manufacturer declared that no active exhaust filter cleanings occurred during 12 hours of continuous operation of the tractor in the Auto Filter Cleaning Mode at 30% loading and the engine speed at which the maximum torque occurs.

REMARKS: All test results were determined from observed data obtained in accordance with official OECD, SAE and Nebraska test procedures. This tractor did not meet the manufacturer's claims of 44% torque rise nor 12% power bulge. For the maximum power tests the fuel temperature at the injection pump inlet was maintained at 101°F (39°C). The performance figures on this summary were taken from a test conducted under the OECD Code 2 test code procedure.

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TRACTOR SOUND LEVEL WITH CAB	Front Wheel Drive	
	Engaged dB(A)	Disengaged dB(A)
At no load in 8th gear	70.9	71.0
Transport speed - no load - 16th gear		72.5
Bystander in 16th gear		82.1

We, the undersigned, certify that this is a true and correct report of official Tractor Test No. 1990, Nebraska Summary 758, May 18, 2011.

Roger M. Hoy
Director

M.F. Kocher
D.R. Keshwani
J.A. Smith
Board of Tractor Test Engineers

TIRES AND WEIGHT

Rear Tires - No., size, ply & psi(kPa)
 Front Tires - No., size, ply & psi(kPa)
 Height of Drawbar
 Static Weight with operator - Rear
 - Front
 - Total

Tested Without Ballast

Four 480/80R50;***;12(85)
 Two 420/85R34;***;23(160)
 21.0 in (535 mm)
 16070 lb (7289 kg)
 11480 lb (5207 kg)
 27550 lb(12496 kg)