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Nebraska and OECD Tractor Test Data for 2006

containing test data through December 2005

Nebraska Tractor Test Laboratory
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Nebraska and OECD Tractor Test Data for 2006

by Brent T. Sampson

The tractor models listed were selected by the manufacturers.

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ABOUT THE TEST REPORT AND USE OF THE DATA

The test data contained in this report are a tabulation of the results of a series of tests. Due to the restricted format of these pages, only a limited amount of data and not all of the tractor specifications are included. The full OECD report contains usually about 30 pages of data and specifications. The test data were obtained for each tractor under similar conditions and therefore, provide a means of comparison of performance based on a limited set of reported data.

EXPLANATION OF THE TEST PROCEDURES

Purpose

The purpose of the tests in this booklet, and available test reports is to provide users with data for comparisons of performance among tractor models.

General

Tractors are tested at the University of Nebraska according to test procedures of the OECD (Organization of Economic Cooperation and Development), the SAE (Society of Automotive Engineers) International and the ASABE (American Society of Agricultural and Biological Engineers). The three codes are technically equivalent, but do differ slightly. For the past 10 years, the majority of tests have been performed according to the OECD codes.

The manufacturer selects the tractor to be tested from its production line, provides the specifications, and certifies that the tractor is a stock model. Each tractor is equipped with the common energy consuming accessories (power steering, PTO, implement lifts, etc.). Any power consuming accessory may be disconnected when the means for doing so can be reached from the operator position.

A manufacturer's representative is present during the tests to ascertain that the tractor gives its optimum performance. Weight can be added to the tractor to improve drawbar performance in certain tests. Static tire loads and inflation pressures must conform to the specifications of the Tire and Rim Association or to weight limits set by the manufacturer.

Specifications

All manufacturers provide the Laboratory with detailed specifications which are required for the tests. The Nebraska Tractor Test report provides only a limited amount of data due to space constraints.

Preparation for Test

The tractor is required to have been limbered up by the manufacturer for a sufficient number of hours; if this was not done, this limber-up is performed at the Tractor Test Lab.

Adjustments are permitted during this period. After the start of the official test, no adjustments can be made. Any adjustments, repairs, alterations or replacements are mentioned in the final Nebraska Tractor Test report. At this time, instrumentation for measuring engine rpm, fan speed, temperatures and pressures is installed on the tractor. The tractor is also provided with connections to the Lab's fuel supply.

PTO Performance

The tractor PTO is connected to a dynamometer, which is a device for putting a load on the tractor and measuring the power generated by the tractor. During the preliminary runs, the manufacturer is allowed to make some adjustments to optimize the performance. These adjustments, which include the injection pump volume and timing and the high idle set within the specified range, will remain during the whole test program and must be settings guaranteed by the manufacturer.

The tests are performed while maintaining an ambient temperature of 75°F *(24°C)* and at a barometer reading above 28.5 inches Hg *(96.6 kPa)*. Data are taken at intervals after the tractor performance has stabilized. Inlet fuel temperatures are also maintained at a predetermined level.

The throttle being set for maximum no-load rpm (High Idle), an increasing load is applied to the PTO by the dynamometer along the operating curve of the engine. The full test report will show the torque, rpm, power and fuel consumption data obtained at Rated Engine speed, Standard PTO speed (either 1000 or 540 rpm), the maximum power on the curve and the torque rise.

Drawbar Performance

Tests are performed in all gears between one gear below the one at which 15% slip occurs and a maximum speed of 10 mph *(16.1 km/h)*. In each gear, the throttle is set for maximum speed (High Idle) and the drawbar load increased until maximum drawbar power is obtained.

The drawbar load is created by towing "load units" behind the test-and-measurement vehicle which, itself, is hitched to the tested tractor's drawbar. For each load, measurements and calculations are made to determine drawbar pull, speed, drawbar power, slip and fuel consumption. All measurements are recorded at intervals after the tractor's condition is stabilized. No operational limits set by the manufacturer can be exceeded.

A second test series investigates the part loads at 75% and 50% of the drawbar load at Rated Engine Speed in a gear close to 4.6 mph *(7.5 km/h)* and in the gear where maximum drawbar power was obtained.

Sound Measurement

Sound measurement is made on the test track in two locations—at the driver's ear and in a location representing "bystander noise." The tests at the driver's ear are performed in several gears and under a number of conditions, but only the maximum level is reported. The "bystander sound" test is performed with the microphone located at 25 ft *(7.5 m)* from the centerline of the tractor which is accelerating from a lower speed to full speed in its top gear.

The OECD procedure differs from the SAE/ASABE procedures and only the numbers for the same gears and same load conditions can be compared. The SAE/ASABE procedure measures sound in only one gear under different load conditions, whereas the OECD procedure measures sound in different gears between High Idle and Rated Engine speed. For tractors with Mechanical Front Wheel Drive, operator-ear measurements are made with the front-wheel drive engaged and disengaged.

Hydraulic Lift Capacity and Flow

Hydraulic lift capacity is measured in a special test stand. A frame is fitted to the three-point hitch lift links. Measurements of lift capacity are taken at the hitch points and at a point 24" *(610 mm)* behind the hitch points when the lower links are horizontal. The load is applied with a hydraulic cylinder and the arms move stepwise through the lift range. The number which is reported is 90% of the load which can be carried throughout the lift range.

The booklet reports the lift capacity at 24" *(610 mm)* behind the hitch points.

A second test determines the pressure/flow relationship and performance of the hydraulic system for supplying power to external hydraulic cylinders or hydraulic motors. The Nebraska report provides data on delivery rate, pressure and available power.

TRACTOR MODEL	GT55A Dsl	GT75A Dsl
Transmission	16 speed	16 speed
NEBR SUM NO (Yr tested)	1849 (2005)	1849 (2005)
ENGINE	Turbochgr	Turbochgr
Bore and Stroke in.	4.134x4.547	4.134x4.547
" " " (mm)	*(105.0x115.5)*	*(105.0x115.5)*
No. of Cylinders	3	4
Displacement cu in *(ml)*	183 *(3000)*	244 *(4000)*
Rated RPM	2200	2200
Compression Ratio	16.0 to 1	16.0 to 1
CHASSIS	Front	Front
Type	Whl Assist	Whl Assist
Tires: No., Size, Ply front	2;360/70R20;**	2; 11.2R24; **
rear	2;420/70R30;**	2; 16.9R30; **
Weight as tested lbs *(kg)*	6400 *(2903)*	6725 *(3050)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM HP	58.89@2200	76.31@2200
" " " " " (kW)	*(43.92)*@2200	*(56.90)*@2200
PTO RPM	1077	1077
Fuel: Gal/hr *(l/h)*	4.02 *(15.22)*	4.87 *(18.44)*
Hp. hr/gal *(kWh/l)*	14.65 *(2.89)*	15.67 *(3.09)*
Max Pwr @ Std PTO RPM HP	57.80@1000	76.81@1004
" " " " " " (kW)	*(43.10)*@1000	*(57.28)*@1004
Eng RPM	2043	2050
Fuel: Gal/hr *(l/h)*	3.85 *(14.57)*	4.73 *(17.89)*
Hp. hr/gal *(kWh/l)*	15.02 *(2.96)*	16.25 *(3.20)*
Maximum Torque rise % @ Engine RPM	31@1349	30@1299
DRAWBAR PERFORMANCE		
Max HP (Short Term) @mph	.....	.....
" kW " " (km/h)	.....	.....
100% Load HP@mph	.....	.....
" " (kW@km/h)	.....	.....
Fuel: HP hr/gal *(kWh/l)*	.....	.....
75% Load HP@mph	.....	.....
" " (kW@km/h)	.....	.....
Fuel: HP hr/gal *(kWh/l)*	.....	.....
50% Load HP@mph	.....	.....
" " (kW@km/h)	.....	.....
Fuel: HP hr/gal *(kWh/l)*	.....	.....
50% Load HP@mph	.....	.....
" " (kW@km/h)	.....	.....
Reduced Eng RPM	.....	.....
Fuel: HP hr/gal*(kWh/l)*	.....	.....
Max Pull: lbs@mph	.....	.....
" " (kN@km/h)	.....	.....
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear dB(A)	78.7	77.3
Bystander dB(A)	....	....
THREE POINT LIFT		
Force available @ 24" *(610 mm)* lbs *(kN)*	3414 *(15.2)*	3414 *(15.2)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	12.5 *(47.3)*	11.7 *(44.3)*

TRACTOR MODEL	LT75 Dsl	LT90 Dsl
Transmission	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	1840 (2004)	1841 (2004)
ENGINE	Turbochgr	Turbochgr
Bore and Stroke ... in.	4.094x5.197	4.094x5.197
" " " ... *(mm)*	*(104.0x132.0)*	*(104.0x132.0)*
No. of Cylinders	4	4
Displacement ... cu in *(ml)*	274 *(4485)*	274 *(4485)*
Rated RPM	2200	2200
Compression Ratio	17.5 to 1	17.5 to 1
CHASSIS	Front	Front
Type	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 14.9R24; **	2; 14.9R28; **
rear	2; 18.4R34; **	2; 18.4R38; **
Weight as tested ... lbs *(kg)*	9775 *(4434)*	9995 *(4533)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM ... HP	77.27@2201	86.56@2200
" " " " " " ... *(kW)*	*(57.62)*@2201	*(64.55)*@2200
PTO RPM	1101	1101
Fuel: Gal/hr *(l/h)*	5.13 *(19.40)*	6.38 *(24.13)*
Hp. hr/gal *(kWh/l)*	15.07 *(2.97)*	13.58 *(2.67)*
Max Pwr @ Std PTO RPM ... HP	78.98@1001	87.70@1000
" " " " " " ... *(kW)*	*(58.89)*@1001	*(65.40)*@1000
Eng RPM	2000	1999
Fuel: Gal/hr *(l/h)*	4.80 *(18.18)*	6.05 *(22.90)*
Hp. hr/gal *(kWh/l)*	16.44 *(3.24)*	14.50 *(2.86)*
Maximum Torque rise % @ Engine RPM	30@1650	55@1251
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	.....	.....
" *kW* " " ... *(km/h)*	.....	.....
100% Load ... HP@mph	.....	.....
" " ... *(kW@km/h)*	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....
75% Load ... HP@mph	.....	.....
" " ... *(kW@km/h)*	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....
50% Load ... HP@mph	.....	.....
" " ... *(kW@km/h)*	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....
50% Load ... HP@mph	.....	.....
" " ... *(kW@km/h)*	.....	.....
Reduced Eng RPM	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....
Max Pull: ... lbs@mph	.....	.....
" " ... *(kN@km/h)*	.....	.....
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ... dB(A)	79.5	77.7
Bystander ... dB(A)	....	....
THREE POINT LIFT		
Force available @ 24" *(610 mm)* ... lbs *(kN)*	7817 *(34.8)*	7817 *(34.8)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	15.0 *(56.8)*	15.2 *(57.5)*

TRACTOR MODEL	RT100 Dsl	RT120 Dsl (Unbal)	RT120 Dsl (Bal)
Transmission	CVT Powrmaxx	CVT Powrmaxx	CVT Powrmaxx
NEBR SUM NO (Yr tested)	476 (2004)	477 (2004)	477 (2004)
ENGINE			
Bore and Stroke ... in.	Turbo-Intr 4.094x5.197	Turbo-Intr 4.094x5.197	Turbo-Intr 4.094x5.197
" " " ... *(mm)*	*(104.0x132.0)*	*(104.0x132.0)*	*(104.0x132.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	410 *(6728)*	410 *(6728)*	410 *(6728)*
Rated RPM	2200	2200	2200
Compression Ratio	17.5 to 1	17.5 to 1	17.5 to 1
CHASSIS			
Type	Front Whl Assist	Front Whl Assist	Front Whl Assist
Tires: No., Size, Ply ... front	2; 14.9R23; **	2; 14.9R28; **	2; 14.9R28; **
rear	2; 18.4R38; **	2; 18.4R38; **	4; 18.4R38; **
Weight as tested ... lbs *(kg)*	15220 *(6905)*	15220 *(6905)*	16545 *(7505)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	102.2@2199	119.9@2199	119.9@2199
" " " " " " ... *(kW)*	*(76.2)@2199*	*(89.4)@2199*	*(89.4)@2199*
PTO RPM	1081	1081	1081
Fuel: Gal/hr *(l/h)*	6.95 *(26.32)*	8.12 *(30.72)*	8.12 *(30.72)*
Hp. hr/gal *(kW.h/l)*	14.71 *(2.90)*	14.77 *(2.91)*	14.77 *(2.91)*
Max Pwr @ Std PTO RPM ..... HP	104.3@1000	120.6@1000	120.6@1000
" " " " " " .... *(kW)*	*(77.8)@1000*	*(89.9)@1000*	*(89.9)@1000*
Eng RPM	2034	2034	2034
Fuel: Gal/hr *(l/h)*	6.55 *(24.78)*	7.60 *(28.76)*	7.60 *(28.76)*
Hp. hr/gal *(kW.h/l)*	15.94 *(3.14)*	15.87 *(3.13)*	15.87 *(3.13)*
Maximum Torque rise % @ Engine RPM	27@1501	42@1300	42@1300
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	89.4@4.46	101.5@4.83	103.3@4.80
" *kW* " " ... *(km/h)*	*(66.7@7.17)*	*(75.7@7.78)*	*(77.0@7.72)*
100% Load ... HP@mph	89.6@4.82	100.3@4.86	98.2@5.55
" " ... *(kW@km/h)*	*(66.8@7.76)*	*(74.8@7.83)*	*(73.2@8.93)*
Fuel: ... HP hr/gal *(kW.h/l)*	12.83 *(2.53)*	12.39 *(2.44)*	12.23 *(2.41)*
75% Load ... HP@mph	70.8@5.09	78.2@5.07	76.3@5.78
" " ... *(kW@km/h)*	*(52.8@8.19)*	*(58.3@8.17)*	*(56.9@9.31)*
Fuel: ... HP hr/gal *(kW.h/l)*	11.37 *(2.24)*	11.07 *(2.18)*	10.87 *(2.14)*
50% Load ... HP@mph	47.4@5.19	53.8@5.25	52.6@6.01
" " ... *(kW@km/h)*	*(35.3@8.35)*	*(40.1@8.44)*	*(39.2@9.67)*
Fuel: ... HP hr/gal *(kW.h/l)*	9.14 *(1.80)*	9.23 *(1.82)*	9.12 *(1.80)*
50% Load ... HP@mph	48.2@5.26	54.2@5.29	52.5@6.01
" " ... *(kW@km/h)*	*(36.0@8.47)*	*(40.4@8.51)*	*(39.1@9.67)*
Reduced Eng RPM	2031	2025	2040
Fuel: ... HP hr/gal *(kW.h/l)*	11.12 *(2.19)*	10.91 *(2.15)*	10.57 *(2.08)*
Max Pull: ... lbs@mph	14935@1.62	14235@2.27	16815@3.88
" " ... *(kN@km/h)*	*(66.43@2.60)*	*(63.32@3.65)*	*(74.80@5.03)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	74.0	74.0	.....
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	10915*(48.55)*	10915*(48.55)*	10915*(48.55)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	33.6*(127.4)*	33.6*(127.4)*	33.6*(127.4)*

TRACTOR MODEL	RT135 Dsl (Bal-2WD) CVT PowerMaxx	RT135 Dsl (Unbal-FWA) CVT PowerMaxx	RT135 Dsl (Bal-FWA) CVT PowerMaxx
Transmission			
NEBR SUM NO (Yr tested)	446 (2004)	446 (2004)	446 (2004)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.094x5.197	4.094x5.197	4.094x5.197
" " " ... *(mm)*	*(104.0x132.0)*	*(104.0x132.0)*	*(104.0x132.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	410 *(6728)*	410 *(6728)*	410 *(6728)*
Rated RPM	2200	2200	2200
Compression Ratio	17.5 to 1	17.5 to 1	17.5 to 1
CHASSIS	Front Whl Assist	Front Whl Assist	Front Whl Assist
Type			
Tires: No., Size, Ply ... front	2; 380/85R30;**	2; 380/85R30;**	2; 380/85R30;**
rear	4; 480/80R42;**	2; 480/80R42;**	4; 480/80R42;**
Weight as tested ... lbs *(kg)*	18575 *(8425)*	15700 *(7121)*	18575 *(8425)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	137.72@2200	137.72@2200	137.72@2200
" " " " " ... *(kW)*	*(102.69)*@2200	*(102.69)*@2200	*(102.69)*@2200
PTO RPM	1082	1082	1082
Fuel: Gal/hr *(l/h)*	9.45 *(35.76)*	9.45 *(35.76)*	9.45 *(35.76)*
Hp. hr/gal *(kWh/l)*	14.58 *(2.87)*	14.58 *(2.87)*	14.58 *(2.87)*
Max Pwr @ Std PTO RPM ..... HP	142.03@1000	142.03@1000	142.03@1000
" " " " " .... *(kW)*	*(105.91)*@1000	*(105.91)*@1000	*(105.91)*@1000
Eng RPM	2033	2033	2033
Fuel: Gal/hr *(l/h)*	9.17 *(34.72)*	9.17 *(34.72)*	9.17 *(34.72)*
Hp. hr/gal *(kWh/l)*	15.48 *(3.05)*	15.48 *(3.05)*	15.48 *(3.05)*
Maximum Torque rise % @ Engine RPM	61@1149	61@1149	61@1149
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	110.84@4.95	116.37@4.51	116.87@4.07
" *kW* " " ... *(km/h)*	*(82.65@7.97)*	*(86.77@7.25)*	*(87.15@6.55)*
100% Load ... HP@mph	110.84@4.95	108.36@5.60	*116.87@4.07
" " ... *(kW@km/h)*	*(82.65@7.97)*	*(80.80@9.01)*	*(87.15@6.55)*
Fuel: ... HP hr/gal *(kWh/l)*	11.74 *(2.31)*	11.41 *(2.25)*	*13.50 *(2.66)*
75% Load ... HP@mph	89.49@5.34	87.07@6.00	*1800 engine
" " ... *(kW@km/h)*	*(66.74@8.59)*	*(64.93@9.65)*	rpm
Fuel: ... HP hr/gal *(kWh/l)*	10.54 *(2.08)*	10.19 *(2.01)*	.....
50% Load ... HP@mph	61.29@5.47	59.34@6.14	.....
" " ... *(kW@km/h)*	*(45.70@8.80)*	*(44.25@9.87)*	.....
Fuel: ... HP hr/gal *(kWh/l)*	8.85 *(1.74)*	8.38 *(1.65)*	.....
50% Load ... HP@mph	61.35@5.50	59.32@6.13	.....
" " ... *(kW@km/h)*	*(45.75@8.84)*	*(44.24@9.86)*	.....
Reduced Eng RPM	1732	1785	.....
Fuel: ... HP hr/gal *(kWh/l)*	11.95 *(2.35)*	11.47 *(2.26)*	.....
Max Pull: ... lbs@mph	12575@3.17	13536@2.95	17663@2.22
" " ... *(kN@km/h)*	*(55.94@5.10)*	*(60.21@4.74)*	*(78.57@3.57)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	73.7	73.8	.....
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	14283*(63.5)*	14283*(63.5)*	14283*(63.5)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	30.6*(115.8)*	30.6*(115.8)*	30.6*(115.8)*

TRACTOR MODEL Transmission	RT150 Dsl (Bal-2WD) CVT PowerMaxx	RT150 Dsl (Unbal-FWA) CVT PowerMaxx	RT150 Dsl (Bal-FWA) CVT PowerMaxx
NEBR SUM NO (Yr tested)	447 (2004)	447 (2004)	447 (2004)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke in.	4.094x5.197	4.094x5.197	4.094x5.197
" " " (mm)	*(104.0x132.0)*	*(104.0x132.0)*	*(104.0x132.0)*
No. of Cylinders	6	6	6
Displacement cu in *(ml)*	410 *(6728)*	410 *(6728)*	410 *(6728)*
Rated RPM	2200	2200	2200
Compression Ratio	17.5 to 1	17.5 to 1	17.5 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply front	2; 380/85R30;**	2; 380/85R30;**	2; 380/85R30;**
rear	4; 480/80R42;**	2; 480/80R42;**	4; 480/80R42;**
Weight as tested lbs *(kg)*	19880 *(9017)*	16590 *(7525)*	19880 *(9017)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM HP	152.75@2200	152.75@2200	152.75@2200
" " " " " *(kW)*	*(113.91)*@2200	*(113.91)*@2200	*(113.91)*@2200
PTO RPM	1082	1082	1082
Fuel: Gal/hr *(l/h)*	10.03 *(37.95)*	10.03 *(37.95)*	10.03 *(37.95)*
Hp. hr/gal *(kWh/l)*	15.24 *(3.00)*	15.24 *(3.00)*	15.24 *(3.00)*
Max Pwr @ Std PTO RPM HP	155.20@1000	155.20@1000	155.20@1000
" " " " " *(kW)*	*(115.73)*@1000	*(115.73)*@1000	*(115.73)*@1000
Eng RPM	2032	2032	2032
Fuel: Gal/hr *(l/h)*	9.56 *(36.20)*	9.56 *(36.20)*	9.56 *(36.20)*
Hp. hr/gal *(kWh/l)*	16.23 *(3.20)*	16.23 *(3.20)*	16.23 *(3.20)*
Maximum Torque rise % @ Engine RPM	50@1200	50@1200	50@1200
DRAWBAR PERFORMANCE			
Max HP (Short Term) @mph	122.58@5.56	124.73@4.82	124.51@4.09
" *kW* " " *(km/h)*	*(91.41@8.95)*	*(93.01@7.75)*	*(92.85@6.59)*
100% Load HP@mph	122.58@5.56	121.90@4.69	*124.51@4.09
" " *(kW@km/h)*	*(91.41@8.95)*	*(90.90@7.55)*	**(92.85@6.59)*
Fuel: HP hr/gal *(kWh/l)*	12.20 *(2.40)*	12.08 *(2.38)*	*13.13 *(2.59)*
75% Load HP@mph	98.62@5.98	98.43@5.07	*1950 engine
" " *(kW@km/h)*	*(73.54@9.62)*	*(73.40@8.17)*	rpm
Fuel: HP hr/gal *(kWh/l)*	10.91 *(2.15)*	11.20 *(2.21)*	.....
50% Load HP@mph	67.35@6.10	67.34@5.21	.....
" " *(kW@km/h)*	*(50.23@9.82)*	*(50.22@8.39)*	.....
Fuel: HP hr/gal *(kWh/l)*	9.03 *(1.78)*	9.38 *(1.85)*	.....
50% Load HP@mph	67.54@6.13	67.79@5.26	.....
" " *(kW@km/h)*	*(50.37@9.86)*	*(50.55@8.46)*	.....
Reduced Eng RPM	1730	1744	.....
Fuel: HP hr/gal*(kWh/l)*	12.25 *(2.41)*	12.65 *(2.49)*	.....
Max Pull: lbs@mph	13290@3.17	14253@2.90	18224@2.30
" " *(kN@km/h)*	*(59.12@5.11)*	*(63.40@4.66)*	*(81.06@3.70)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear dB(A)	73.7	73.8	....
Bystander dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* lbs *(kN)*	14283*(63.5)*	14283*(63.5)*	14283*(63.5)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	30.0*(113.6)*	30.0*(113.6)*	30.0*(113.6)*

AGCO

TRACTOR MODEL	DT160 Dsl (Tested as White 8510 Dsl) (Unbal-FWA)	DT160 Dsl (Tested as White 8510 Dsl) (Bal-FWA)
Transmission	18 speed	18 speed
NEBR SUM NO (Yr tested)	333 (2000)	333 (2000)
ENGINE		
Bore and Stroke ... in.	Turbochgr 4.488x5.315	Turbochgr 4.488x5.315
" " " ... *(mm)*	*(114.0x135.0)*	*(114.0x135.0)*
No. of Cylinders	6	6
Displacement ... cu in *(ml)*	505 *(8268)*	505 *(8268)*
Rated RPM	2200	2200
Compression Ratio	17.3 to 1	17.3 to 1
CHASSIS		
Type	Front Whl Assist	Front Whl Assist
Tires: No., Size, Ply ... front	2; 14.9R30; ***	2; 14.9R30; ***
rear	2; 18.4R42; **	4; 18.4R42; **
Weight as tested ... lbs *(kg)*	19185 *(8702)*	22375 *(10149)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	164.38@2200	164.38@2200
" " " " " ... *(kW)*	*(122.58)@2200*	*(122.58)@2200*
PTO RPM	1052	1052
Fuel: Gal/hr *(l/h)*	10.66 *(40.35)*	10.66 *(40.35)*
Hp. hr/gal *(kWh/l)*	15.42 *(3.04)*	15.42 *(3.04)*
Max Pwr @ Std PTO RPM ..... HP	168.30@1004	168.30@1004
" " " " " " .... *(kW)*	*(125.50)@1004*	*(125.50)@1004*
Eng RPM	2100	2100
Fuel: Gal/hr *(l/h)*	10.51 *(39.78)*	10.51 *(39.78)*
Hp. hr/gal *(kWh/l)*	16.02 *(3.16)*	16.02 *(3.16)*
Maximum Torque rise % @ Engine RPM	36@1251	36@1251
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	149.44@5.23	149.34@3.53
" *kW* " " ... *(km/h)*	*(111.44@8.41)*	*(111.36@5.67)*
100% Load ... HP@mph	142.58@5.48	*149.34@3.53
" " ... *(kW@km/h)*	*(106.32@8.81)*	*(111.36@5.67)*
Fuel: ... HP hr/gal *(kWh/l)*	13.75 *(2.71)*	*14.20 *(2.80)*
75% Load ... HP@mph	112.72@5.76	*2100 engine
" " ... *(kW@km/h)*	*(84.06@9.28)*	rpm
Fuel: ... HP hr/gal *(kWh/l)*	12.64 *(2.49)*	.....
50% Load ... HP@mph	77.49@5.94	.....
" " ... *(kW@km/h)*	*(57.78@9.55)*	.....
Fuel: ... HP hr/gal *(kWh/l)*	10.79 *(2.13)*	.....
50% Load ... HP@mph	77.37@5.94	.....
" " ... *(kW@km/h)*	*(57.70@9.55)*	.....
Reduced Eng RPM	1812	.....
Fuel: ... HP hr/gal *(kWh/l)*	13.66 *(2.69)*	.....
Max Pull: ... lbs@mph	17894@2.62	20868@2.22
" " ... *(kN@km/h)*	*(79.60@4.21)*	*(92.82@3.57)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ... dB(A)	75.8	.....
Bystander ... dB(A)	.....	.....
THREE POINT LIFT		
Force available @ 24" *(616 mm)* ... lbs *(kN)*	16101 *(71.6)*	16101 *(71.6)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	30.8 *(116.6)*	30.8 *(116.6)*

TRACTOR MODEL	DT180 Dsl (Tested as White 8610 Dsl) (Unbal-FWA)	DT180 Dsl (Tested as White 8610 Dsl) (Bal-FWA)	DT200 (Tested as White 8710 Dsl) (Unbal-FWA)
Transmission	18 speed	18 speed	18 speed
NEBR SUM NO (Yr tested)	334 (2000)	334 (2000)	354 (2001)
ENGINE			
Bore and Stroke ... in.	Turbo-Intr 4.488x5.315	Turbo-Intr 4.488x5.315	Turbo-Intr 4.488x5.315
" " " ... *(mm)*	*(114.0x135.0)*	*(114.0x135.0)*	*(114.0x135.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	505 *(8268)*	505 *(8268)*	505 *(8268)*
Rated RPM	2200	2200	2200
Compression Ratio	17.3 to 1	17.3 to 1	17.3 to 1
CHASSIS			
Type	Front Whl Assist	Front Whl Assist	Front Whl Assist
Tires: No., Size, Ply ... front	2; 14.9R34; ***	2; 14.9R34; ***	2; 16.9R30; **
rear	2; 18.4R46; ***	4; 18.4R46; ***	2; 20.8R42; **
Weight as tested ... lbs *(kg)*	19650 *(8913)*	25285 *(11469)*	19805 *(8983)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	184.29@2200	184.29@2200	204.33@2200
" " " " " ... *(kW)*	*(137.43)@2200*	*(137.43)@2200*	*(152.37)@2200*
PTO RPM	1052	1052	1052
Fuel: Gal/hr *(l/h)*	11.49 *(43.48)*	11.49 *(43.48)*	13.04 *(49.35)*
Hp. hr/gal *(kWh/l)*	16.05 *(3.16)*	16.05 *(3.16)*	15.67 *(3.09)*
Max Pwr @ Std PTO RPM ..... HP	200.01@1004	200.01@1004	221.42@1000
" " " " " .... *(kW)*	*(149.15)@1004*	*(149.15)@1004*	*(165.11)@1000*
Eng RPM	2100	2100	2092
Fuel: Gal/hr *(l/h)*	11.91 *(45.10)*	11.91 *(45.10)*	13.43 *(50.85)*
Hp. hr/gal *(kWh/l)*	16.79 *(3.31)*	16.79 *(3.31)*	16.48 *(3.25)*
Maximum Torque rise % @ Engine RPM	43@1300	43@1300	46@1300
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	175.23@5.50	172.61@3.74	191.06@6.05
" *kW* " " ... *(km/h)*	*(130.67@8.84)*	*(128.72@6.01)*	*(142.47@9.73)*
100% Load ... HP@mph	160.22@4.45	*172.61@3.74	177.14@6.53
" " ... *(kW@km/h)*	*(119.47@7.17)*	*(128.72@6.01)*	*(132.10@10.51)*
Fuel: ... HP hr/gal *(kWh/l)*	14.08 *(2.77)*	*14.54 *(2.86)*	13.62 *(2.68)*
75% Load ... HP@mph	127.92@4.74	*2100 engine	136.78@6.77
" " ... *(kW@km/h)*	*(95.39@7.63)*	rpm	*(102.00@10.90)*
Fuel: ... HP hr/gal *(kWh/l)*	13.02 *(2.56)*	.....	12.62 *(2.49)*
50% Load ... HP@mph	87.90@4.88	.....	94.27@6.98
" " ... *(kW@km/h)*	*(65.55@7.86)*	.....	*(70.30@11.24)*
Fuel: ... HP hr/gal *(kWh/l)*	11.30 *(2.23)*	.....	10.89 *(2.14)*
50% Load ... HP@mph	87.97@4.88	.....	93.95@6.96
" " ... *(kW@km/h)*	*(65.60@7.85)*	.....	*(70.06@11.19)*
Reduced Eng RPM	1828	.....	1795
Fuel: ... HP hr/gal *(kWh/l)*	14.12 *(2.78)*	.....	13.83 *(2.72)*
Max Pull: ... lbs@mph	18618@2.78	23672@2.25	17996@3.12
" " ... *(kN@km/h)*	*(82.82@4.48)*	*(105.30@3.63)*	*(80.05@5.01)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	77.0	.....	76.9
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	19710 *(87.7)*	19710 *(87.7)*	19710 *(87.7)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	30.3 *(114.7)*	30.3 *(114.7)*	29.1 *(110.2)*

AGCO

TRACTOR MODEL	DT200 Dsl (Tested as White 8710 Dsl)	DT225 Dsl (Tested as White 8810 Dsl)	DT225 Dsl (Tested as White 8810 Dsl)
Transmission	(Bal-FWA) 18 speed	(Unbal-FWA) 18 speed	(Bal-FWA) 18 speed
NEBR SUM NO (Yr tested)	354 (2001)	355 (2001)	355 (2001)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.488x5.315	4.488x5.315	4.488x5.315
" " " ... *(mm)*	*(114.0x135.0)*	*(114.0x135.0)*	*(114.0x135.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	505 *(8268)*	505 *(8268)*	505 *(8268)*
Rated RPM	2200	2200	2200
Compression Ratio	17.3 to 1	17.3 to 1	17.3 to 1
CHASSIS	Front Whl Assist	Front Whl Assist	Front Whl Assist
Type			
Tires: No., Size, Ply ... front	2; 16.9R30; **	2; 16.9R30; **	2; 16.9R30; **
rear	4; 20.8R42; **	2; 20.8R42; **	4; 20.8R42; **
Weight as tested ... lbs *(kg)*	26880 *(12193)*	19920 *(9036)*	28560 *(12955)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	204.33@2200	227.95@2200	227.95@2200
" " " " " " ... *(kW)*	*(152.37)*@2200	*(169.98)*@2200	*(169.98)*@2200
PTO RPM	1052	1054	1054
Fuel: Gal/hr *(l/h)*	13.04 *(49.35)*	14.44 *(54.66)*	14.44 *(54.66)*
Hp. hr/gal *(kWh/l)*	15.67 *(3.09)*	15.79 *(3.11)*	15.79 *(3.11)*
Max Pwr @ Std PTO RPM ..... HP	221.42@1000	233.39@1006	233.39@1006
" " " " " .... *(kW)*	*(165.11)*@1000	*(174.04)*@1006	*(174.04)*@1006
Eng RPM	2092	2100	2100
Fuel: Gal/hr *(l/h)*	13.43 *(50.85)*	14.17 *(53.65)*	14.17 *(53.65)*
Hp. hr/gal *(kWh/l)*	16.48 *(3.25)*	16.47 *(3.24)*	16.47 *(3.24)*
Maximum Torque rise % @ Engine RPM	46@1300	24@1498	24@1498
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	189.79@4.11	204.26@7.05	205.13@4.22
" *kW* " " ... *(km/h)*	*(141.52@6.61)*	*(152.32@11.35)*	*(152.97@6.79)*
100% Load ... HP@mph	*189.79@4.11	200.61@6.48	*205.13@4.22
" " ... *(kW@km/h)*	**(141.52@6.61)*	*(149.59@10.43)*	**(152.97@6.79)*
Fuel: ... HP hr/gal *(kWh/l)*	*14.36 *(2.83)*	13.87 *(2.73)*	*14.48 *(2.85)*
75% Load ... HP@mph	* 2050 engine	157.43@6.79	*2100 engine
" " ... *(kW@km/h)*	rpm	*(117.46@10.92)*	rpm
Fuel: ... HP hr/gal *(kWh/l)*	.....	12.97 *(2.56)*	.....
50% Load ... HP@mph	.....	108.34@7.01	.....
" " ... *(kW@km/h)*	.....	*(80.79@11.28)*	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	11.43 *(2.25)*	.....
50% Load ... HP@mph	.....	108.41@7.06	.....
" " ... *(kW@km/h)*	.....	*(80.84@11.36)*	.....
Reduced Eng RPM	.....	1831	.....
Fuel: ... HP hr/gal*(kWh/l)*	.....	14.29 *(2.82)*	.....
Max Pull: ... lbs@mph	24468@2.53	18284@3.54	26338@2.57
" " ... *(kN@km/h)*	*(108.84@4.07)*	*(81.33@5.70)*	*(117.16@4.14)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	.....	75.9	.....
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	19710 *(87.7)*	19710 *(87.7)*	19710 *(87.7)*
HYDRAULIC FLOW Gal/min *(l/min)*	29.1 *(110.2)*	29.9 *(113.2)*	29.9 *(113.2)*

TRACTOR MODEL	2145 Dsl (Unbal-FWA) 16 speed Pwrshift	2145 Dsl (Bal-FWA) 16 speed Pwrshift	2160 Dsl (Unbal-FWA) 16 speed Pwrshift
Transmission			
NEBR SUM NO (Yr tested)	218A (1996)	218A (1996)	219A (1996)
ENGINE			
Bore and Stroke ... in.	Turbo-Intr 4.40x5.00	Turbo-Intr 4.40x5.00	Turbo-Intr 4.40x5.00
" " " ... *(mm)*	*(111.8x127.0)*	*(111.8x127.0)*	*(111.8x127.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	456 *(7480)*	456 *(7480)*	456 *(7480)*
Rated RPM	2100	2100	2100
Compression Ratio	17.5 to 1	17.5 to 1	17.5 to 1
CHASSIS			
Type	Front Whl Assist	Front Whl Assist	Front Whl Assist
Tires: No., Size, Ply ... front	2; 14.9R28;**	2; 14.9R28;**	2; 16.9R30;**
rear	2; 20.8R38;**	4; 20.8R38;**	2; 20.8R42;**
Weight as tested ... lbs *(kg)*	16970 *(7697)*	20295 *(9206)*	19450 *(8823)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	147.6@2100	147.6@2100	164.8@2100
" " " " " " ... *(kW)*	*(110.1)*@2100	*(110.1)*@2100	*(122.9)*@2100
PTO RPM	1103	1103	1103
Fuel: Gal/hr *(l/h)*	9.05 *(34.27)*	9.05 *(34.27)*	9.90 *(37.47)*
Hp. hr/gal *(kWh/l)*	16.29 *(3.21)*	16.29 *(3.21)*	16.65 *(3.28)*
Max Pwr @ Std PTO RPM ..... HP	163.7@1000	163.7@1000	179.4@1000
" " " " " " .... *(kW)*	*(122.1)*@1000	*(122.1)*@1000	*(133.8)*@1000
Eng RPM	1903	1903	1903
Fuel: Gal/hr *(l/h)*	9.24 *(34.96)*	9.24 *(34.96)*	10.04 *(38.01)*
Hp. hr/gal *(kWh/l)*	17.72 *(3.49)*	17.72 *(3.49)*	17.87 *(3.52)*
Maximum Torque rise % @ Engine RPM	48@1416	48@1416	53@1380
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	148.9@4.98	147.9@5.02	163.9@5.09
" *kW* " " ... *(km/h)*	*(111.0@8.01)*	*(110.3@8.08)*	*(122.2@8.18)*
100% Load ..... HP@mph	132.1@5.89	130.1@5.90	142.3@6.32
" " ... *(kW@km/h)*	*(98.5@9.47)*	*(97.0@9.49)*	*(106.1@10.17)*
Fuel: ..... HP hr/gal *(kWh/l)*	14.52 *(2.86)*	14.24 *(2.81)*	14.62 *(2.88)*
75% Load ..... HP@mph	103.9@6.17	101.4@6.13	111.4@6.62
" " ... *(kW@km/h)*	*(77.5@9.93)*	*(75.6@9.86)*	*(83.1@10.65)*
Fuel: ..... HP hr/gal *(kWh/l)*	13.40 *(2.64)*	13.05 *(2.57)*	13.20 *(2.60)*
50% Load ..... HP@mph	71.1@6.34	69.1@6.27	76.2@6.76
" " ... *(kW@km/h)*	*(53.0@10.20)*	*(51.5@10.09)*	*(56.8@10.88)*
Fuel: ..... HP hr/gal *(kWh/l)*	11.57 *(2.28)*	11.37 *(2.24)*	11.60 *(2.29)*
50% Load ..... HP@mph	70.9@6.34	69.4@6.28	75.9@6.74
" " ... *(kW@km/h)*	*(52.9@10.20)*	*(51.8@10.11)*	*(56.6@10.84)*
Reduced Eng RPM	1909	1898	1890
Fuel: ..... HP hr/gal*(kWh/l)*	13.35 *(2.63)*	13.25 *(2.61)*	13.60 *(2.68)*
Max Pull: ..... lbs@mph	17385@2.79	21495@2.11	18635@2.83
" " ... *(kN@km/h)*	*(77.34@4.49)*	*(95.62@3.39)*	*(82.89@4.56)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ..... dB(A)	75.0	. . . . .	75.0
Bystander ..... dB(A)	. . . . .	. . . . .	. . . .
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ..... lbs *(kN)*	11285 *(50.2)*	11285 *(50.2)*	12140 *(54.0)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	33.2 *(125.6)*	33.2 *(125.6)*	33.3 *(126.1)*

BUHLER VERSATILE

TRACTOR MODEL	2160 Dsl (Bal-FWA)	2180 Dsl (Unbal-FWA)	2180 Dsl (Bal-FWA)
Transmission	16 speed Pwrshift	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	219A (1996)	220A (1996)	220A (1996)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.40x5.00	4.40x5.00	4.40x5.00
" " " ... *(mm)*	*(111.8x127.0)*	*(111.8x127.0)*	*(111.8x127.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	456 *(7480)*	456 *(7480)*	456 *(7480)*
Rated RPM	2100	2100	2100
Compression Ratio	17.5 to 1	17.5 to 1	17.5 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 16.9R30;**	2; 16.9R30;**	2; 16.9R30;**
rear	4; 20.8R42;**	2; 20.8R42;**	4; 20.8R42;**
Weight as tested ... lbs *(kg)*	22330 *(10128)*	19205 *(8711)*	24130 *(10945)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	164.8@2100	185.9@2100	185.9@2100
" " " " " ... *(kW)*	*(122.9)@2100*	*(138.6)@2100*	*(138.6)@2100*
PTO RPM	1103	1104	1104
Fuel: Gal/hr *(l/h)*	9.90 *(37.47)*	10.05 *(38.04)*	10.05 *(38.04)*
Hp. hr/gal *(kWh/l)*	16.65 *(3.28)*	18.49 *(3.64)*	18.49 *(3.64)*
Max Pwr @ Std PTO RPM ..... HP	179.4@1000	200.2@1000	200.2@1000
" " " " " " .... *(kW)*	*(133.8)@1000*	*(149.3)@1000*	*(149.3)@1000*
Eng RPM	1903	1903	1903
Fuel: Gal/hr *(l/h)*	10.04 *(38.01)*	10.23 *(38.71)*	10.23 *(38.71)*
Hp. hr/gal *(kWh/l)*	17.87 *(3.52)*	19.58 *(3.86)*	19.58 *(3.86)*
Maximum Torque rise % @ Engine RPM	53@1380	55@1370	55@1370
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	160.1@4.31	177.4@4.93	178.1@4.20
" *kW* " " ... *(km/h)*	*(119.4@6.94)*	*(132.3@7.94)*	*(132.8@6.76)*
100% Load ... HP@mph	141.6@5.35	166.3@6.24	165.5@5.30
" " ... *(kW@km/h)*	*(105.6@8.61)*	*(124.0@10.05)*	*(123.4@8.52)*
Fuel: ... HP hr/gal *(kWh/l)*	14.52 *(2.86)*	16.04 *(3.16)*	16.12 *(2.18)*
75% Load ... HP@mph	111.2@5.60	131.0@6.57	129.8@5.54
" " ... *(kW@km/h)*	*(82.9@9.01)*	*(97.7@10.58)*	*(96.8@8.92)*
Fuel: ... HP hr/gal *(kWh/l)*	13.12 *(2.59)*	14.97 *(2.95)*	14.72 *(2.90)*
50% Load ... HP@mph	75.7@5.72	89.3@6.73	88.5@5.66
" " ... *(kW@km/h)*	*(56.4@9.21)*	*(66.6@10.84)*	*(66.0@9.11)*
Fuel: ... HP hr/gal *(kWh/l)*	11.47 *(2.26)*	13.20 *(2.60)*	12.94 *(2.55)*
50% Load ... HP@mph	75.6@5.72	90.0@6.74	88.2@5.66
" " ... *(kW@km/h)*	*(56.4@9.20)*	*(67.1@10.85)*	*(65.8@9.11)*
Reduced Eng RPM	1884	1909	1881
Fuel: ... HP hr/gal *(kWh/l)*	13.33 *(2.63)*	14.57 *(2.87)*	14.97 *(2.95)*
Max Pull: ... lbs@mph	22915@2.20	18550@2.91	25610@2.17
" " ... *(kN@km/h)*	*(101.92@3.53)*	*(82.51@4.68)*	*(113.91@3.49)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	. . . .	74.5	. . . .
Bystander ... dB(A)	. . . .	. . . .	. . . .
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	12140 *(54.0)*	11350 *(50.5)*	11350 *(50.5)*
HYDRAULIC FLOW Gal/min *(l/min)*	33.3 *(126.1)*	33.7 *(127.6)*	33.7 *(127.6)*

TRACTOR MODEL	2210 Dsl (Unbal-FWA)	2210 Dsl (Bal-FWA)	2360 Dsl
Transmission	16 speed Pwrshift	16 speed Pwrshift	12 speed
NEBR SUM NO (Yr tested)	221A (1996)	221A (1996)	351A (2000)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.40x5.00	4.40x5.00	5.50x6.00
" " " ... *(mm)*	*(111.8x127.0)*	*(111.8x127.0)*	*(139.7 x 152.4)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	456 *(7480)*	456 *(7480)*	855 *(14039)*
Rated RPM	2100	2100	2100
Compression Ratio	17.5 to 1	17.5 to 1	18.5 to 1
CHASSIS	Front	Front	
Type	Whl Assist	Whl Assist	4 Whl Dr
Tires: No., Size, Ply ... front	2; 16.9R30;**	2; 16.9R30;**	4; 20.8R42; **
rear	2; 20.8R42;**	4; 20.8R42;**	4; 20.8R42; **
Weight as tested ... lbs *(kg)*	19625 *(8902)*	27600 *(12519)*	30795*(13968)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	212.4@2100	212.4@2100	301.3@2100
" " " " " ... *(kW)*	*(158.4)*@2100	*(158.4)*@2100	*(224.7)*@2100
PTO RPM	1103	1103	997
Fuel: Gal/hr *(l/h)*	11.64 *(44.60)*	11.64 *(44.60)*	17.84 *(67.53)*
Hp. hr/gal *(kWh/l)*	18.25 *(3.60)*	18.25 *(3.60)*	16.90 *(3.33)*
Max Pwr @ Std PTO RPM ..... HP	224.5@1000	224.5@1000	Same
" " " " " .... *(kW)*	*(167.4)*@1000	*(167.4)*@1000	as
Eng RPM	1902	1902	shown
Fuel: Gal/hr *(l/h)*	11.77*(44.55)*	11.77 *(44.55)*	above
Hp. hr/gal *(kWh/l)*	19.09 *(3.76)*	19.09 *(3.76)*	
Maximum Torque rise % @ Engine RPM	47@1330	47@1330	45@1400
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	202.1@5.39	200.5@5.45	321.4@7.27
" *kW* " " ... *(km/h)*	*(150.7@8.67)*	*(149.5@8.77)*	*(239.7@11.70)*
100% Load ... HP@mph	191.6@6.27	189.5@6.31	277.2@4.64
" " ... *(kW@km/h)*	*(142.9@10.09)*	*(141.3@10.15)*	*(206.7@7.46)*
Fuel: ... HP hr/gal *(kWh/l)*	16.26 *(3.20)*	16.09 *(3.17)*	15.53 *(3.06)*
75% Load ... HP@mph	152.3@6.64	145.0@6.66	214.2@4.78
" " ... *(kW@km/h)*	*(113.5@10.69)*	*(108.1@10.72)*	*(159.7@7.69)*
Fuel: ... HP hr/gal *(kWh/l)*	15.53 *(3.06)*	14.97 *(2.95)*	14.26 *(2.81)*
50% Load ... HP@mph	103.8@6.80	98.8@6.81	146.0@4.88
" " ... *(kW@km/h)*	*(77.4@10.94)*	*(73.6@10.96)*	*(108.9@7.86)*
Fuel: ... HP hr/gal *(kWh/l)*	13.60 *(2.68)*	13.30 *(2.62)*	12.14 *(2.40)*
50% Load ... HP@mph	104.3@6.83	98.6@6.79	145.8@4.88
" " ... *(kW@km/h)*	*(78.2@10.98)*	*(73.5@10.93)*	*(108.7@7.85)*
Reduced Eng RPM	1921	1912	1906
Fuel: ... HP hr/gal*(kWh/l)*	14.77 *(2.91)*	14.52 *(2.86)*	13.50 *(2.66)*
Max Pull: ... lbs@mph	17390@3.54	28010@2.31	31355@3.24
" " ... *(kN@km/h)*	*(77.36@5.69)*	*(124.60@3.71)*	*(139.47@5.21)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	76.0	....	77.9
Bystander ... dB(A)	....	....	....
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	14815 *(65.9)*	14815 *(65.9)*	15285 *(68.0)*
HYDRAULIC FLOW Gal/min *(l/min)*	33.5 *(126.8)*	33.5 *(126.8)*	49.0 *(185.5)*

CASE-IH

TRACTOR MODEL	DX 48 Dsl	DX 55 Dsl
Transmission	12 speed	12 speed
NEBR SUM NO (Yr tested)	1836A (2004)	1837 (2004)
ENGINE		Turbochgr
Bore and Stroke ... in.	3.307x3.937	3.307x3.937
" " " ... *(mm)*	*(84.0x100.0)*	*(84.0x100.0)*
No. of Cylinders	4	4
Displacement ... cu in *(ml)*	135 *(2216)*	135 *(2216)*
Rated RPM	2800	2700
Compression Ratio	22.4 to 1	22.4 to 1
CHASSIS	Front	Front
Type	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 12-16.5; 8	2; 12-16.5; 8
rear	2; 18.4-24; 8	2; 18.4-24; 8
Weight as tested ... lbs *(kg)*	4490 *(2037)*	4860 *(2205)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	40.98@2800	48.01@2700
" " " " " " ... *(kW)*	*(30.56)*@2800	*(35.80)*@2700
PTO RPM	611	589
Fuel: Gal/hr *(l/h)*	3.36 *(12.72)*	3.95 *(14.93)*
Hp. hr/gal *(kWh/l)*	12.19 *(2.40)*	12.17 *(2.40)*
Max Pwr @ Std PTO RPM ..... HP	38.56@540	47.80@540
" " " " " " .... *(kW)*	*(28.75)*@540	*(35.65)*@540
Eng RPM	2477	2475
Fuel: Gal/hr *(l/h)*	2.95 *(11.18)*	3.66 *(13.87)*
Hp. hr/gal *(kWh/l)*	13.06 *(2.57)*	13.05 *(2.57)*
Maximum Torque rise % @ Engine RPM	24@1602	30@1657
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	.....	.....
" *kW* " " ... *(km/h)*	.....	.....
100% Load ... HP@mph	.....	.....
" " ... *(kW@km/h)*	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....
75% Load ... HP@mph	.....	.....
" " ... *(kW@km/h)*	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....
50% Load ... HP@mph	.....	.....
" " ... *(kW@km/h)*	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....
50% Load ... HP@mph	.....	.....
" " ... *(kW@km/h)*	.....	.....
Reduced Eng RPM	.....	.....
Fuel: ... HP hr/gal*(kWh/l)*	.....	.....
Max Pull: ... lbs@mph	.....	.....
" " ... *(kN@km/h)*	.....	.....
MAXIMUM SOUND LEVEL	w/o cab	w/o cab
At Operator's Ear ... dB(A)	92.0	89.0
Bystander ... dB(A)	.....	.....
THREE POINT LIFT		
Force available @ 24" *(610 mm)* ... lbs *(kN)*	2776 *(12.3)*	2776 *(12.3)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	11.2 *(42.5)*	10.9 *(41.3)*

TRACTOR MODEL	JX 1060C Dsl 2WD	JX 1060C Dsl FWA	JX 1070C Dsl 2WD
Transmission	16 speed	16 speed	16 speed
NEBR SUM NO (Yr tested)	450 (2004)	450 (2004)	451 (2004)
ENGINE			Turbochgr
Bore and Stroke ... in.	4.094x4.528	4.094x4.528	4.094x4.528
" " " ... *(mm)*	*(104.0x115.0)*	*(104.0x115.0)*	*(104.0x115.0)*
No. of Cylinders	3	3	3
Displacement ... cu in *(ml)*	179 *(2930)*	179 *(2930)*	179 *(2930)*
Rated RPM	2300	2300	2300
Compression Ratio	18.0 to 1	18.0 to 1	18.0 to 1
CHASSIS		Front	
Type	Standard	Whl Assist	Standard
Tires: No., Size, Ply ... front	2; 7.50-16; 8	2; 11.2R24;**	2; 7.50-16; 8
rear	2; 16.9R30;**	2; 16.9R30;**	2; 16.9R30;**
Weight as tested ... lbs *(kg)*	7145 *(3240)*	7670 *(3480)*	7165 *(3250)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	47.2@2299	47.2@2299	59.8@2299
" " " " " ... *(kW)*	*(35.2)*@2299	*(35.2)*@2299	*(44.6)*@2299
PTO RPM	565	565	565
Fuel: Gal/hr *(l/h)*	3.02 *(11.42)*	3.02 *(11.42)*	3.87 *(14.65)*
Hp. hr/gal *(kWh/l)*	15.63 *(3.08)*	15.63 *(3.08)*	15.45 *(3.04)*
Max Pwr @ Std PTO RPM ..... HP	47.3@540	47.3@540	60.2@543
" " " " " .... *(kW)*	*(35.3)*@540	*(35.3)*@540	*(44.9)*@543
Eng RPM	2198	2198	2211
Fuel: Gal/hr *(l/h)*	2.97 *(11.23)*	2.97 *(11.23)*	3.77 *(14.27)*
Hp. hr/gal *(kWh/l)*	15.94 *(3.14)*	15.94 *(3.14)*	15.99 *(3.15)*
Maximum Torque rise % @ Engine RPM	36@1280	36@1280	39@1423
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	39.0@4.92	38.4@4.30	49.8@5.30
" *kW* " " ... *(km/h)*	*(29.1@7.92)*	*(28.6@6.92)*	*(37.2@8.53)*
100% Load ... HP@mph	38.2@3.98	37.3@5.28	45.7@3.78
" " ... *(kW@km/h)*	*(28.5@6.40)*	*(27.8@8.50)*	*(34.1@6.09)*
Fuel: ... HP hr/gal *(kWh/l)*	13.16 *(2.59)*	12.69 *(2.50)*	12.94 *(2.55)*
75% Load ... HP@mph	31.3@4.34	29.4@5.54	38.6@4.25
" " ... *(kW@km/h)*	*(23.4@6.99)*	*(21.9@8.91)*	*(28.8@6.85)*
Fuel: ... HP hr/gal *(kWh/l)*	13.76 *(2.71)*	11.12 *(2.19)*	12.89 *(2.54)*
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Reduced Eng RPM	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
Max Pull: ... lbs@mph	5055@2.20	6595@1.83	5150@3.17
" " ... *(kN@km/h)*	*(22.49@3.54)*	*(29.34@2.95)*	*(22.91@5.11)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	80.0	80.0	79.1
Bystander ... dB(A)	82.8	82.0	81.9
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	3955 *(17.6)*	3955 *(17.6)*	3945 *(17.5)*
HYDRAULIC FLOW Gal/min *(l/min)*	13.8 *(52.1)*	13.8 *(52.1)*	13.8 *(52.3)*

TRACTOR MODEL	JX 1070C Dsl FWA	JX 1075C Dsl 2WD	JX 1075C Dsl FWA
Transmission	16 speed	16 speed	16 speed
NEBR SUM NO (Yr tested)	451 (2004)	452 (2004)	452 (2004)
ENGINE	Turbochgr	Turbochgr	Turbochgr
Bore and Stroke in.	4.094x4.528	4.094x4.528	4.094x4.528
" " " (mm)	*(104.0x115.0)*	*(104.0x115.0)*	*(104.0x115.0)*
No. of Cylinders	3	3	3
Displacement cu in *(ml)*	179 *(2930)*	179 *(2930)*	179 *(2930)*
Rated RPM	2300	2300	2300
Compression Ratio	18.0 to 1	18.0 to 1	18.0 to 1
CHASSIS	Front		Front
Type	Whl Assist	Standard	Whl Assist
Tires: No., Size, Ply front	2; 11.2R24;**	2; 7.50-16; 8	2; 11.2R24;**
rear	2; 16.9R30;**	2; 16.9R30;**	2; 16.9R30;**
Weight as tested lbs *(kg)*	7695 *(3490)*	7155 *(3245)*	7685 *(3485)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM HP	59.8@2299	63.8@2298	63.8@2298
" " " " " " (kW)	*(44.6)@2299*	*(47.6)@2298*	*(47.6)@2298*
PTO RPM	565	565	565
Fuel: Gal/hr *(l/h)*	3.87 *(14.65)*	3.94 *(14.92)*	3.94 *(14.92)*
Hp. hr/gal *(kWh/l)*	15.45 *(3.04)*	16.19 *(3.19)*	16.19 *(3.19)*
Max Pwr @ Std PTO RPM HP	60.2@543	63.7@540	63.7@540
" " " " " " (kW)	*(44.9)@543*	*(47.5)@540*	*(47.5)@540*
Eng RPM	2211	2197	2197
Fuel: Gal/hr *(l/h)*	3.77 *(14.27)*	3.91 *(14.80)*	3.91 *(14.80)*
Hp. hr/gal *(kWh/l)*	15.99 *(3.15)*	16.29 *(3.21)*	16.29 *(3.21)*
Maximum Torque rise % @ Engine RPM	39@1423	37@1421	37@1421
DRAWBAR PERFORMANCE			
Max HP (Short Term) @mph	51.0@5.28	54.7@6.06	55.3@7.09
" kW " " (km/h)	*(38.0@8.50)*	*(40.8@9.75)*	*(41.3@11.42)*
100% Load HP@mph	51.0@5.28	51.2@3.76	54.0@5.19
" " (kW@km/h)	*(38.0@8.50)*	*(38.2@6.05)*	*(40.3@8.35)*
Fuel: HP hr/gal *(kWh/l)*	13.65 *(2.69)*	13.76 *(2.71)*	14.07 *(2.77)*
75% Load HP@mph	40.0@5.52	43.2@4.20	43.9@5.61
" " (kW@km/h)	*(29.8@8.88)*	*(32.2@6.76)*	*(32.7@9.02)*
Fuel: HP hr/gal *(kWh/l)*	12.98 *(2.56)*	13.65 *(2.69)*	13.05 *(2.57)*
50% Load HP@mph	.....	.....	.....
" " (kW@km/h)	.....	.....	.....
Fuel: HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load HP@mph	.....	.....	.....
" " (kW@km/h)	.....	.....	.....
Reduced Eng RPM	.....	.....	.....
Fuel: HP hr/gal *(kWh/l)*	.....	.....	.....
Max Pull: lbs@mph	6665@2.25	5445@2.64	6715@2.26
" " (kN@km/h)	*(29.65@3.62)*	*(24.22@4.25)*	*(29.88@3.64)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear dB(A)	79.4	79.0	79.2
Bystander dB(A)	82.8	83.0	84.0
THREE POINT LIFT			
Force available @ 24" *(610 mm)* lbs *(kN)*	3945 *(17.5)*	3865 *(17.2)*	3865 *(17.2)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	13.8 *(52.3)*	16.9 *(63.9)*	16.9 *(63.9)*

TRACTOR MODEL	JX 55 Dsl 2WD	JX 55 Dsl FWA	JX 65 Dsl 2WD
Transmission	12 speed	12 speed	12 speed
NEBR SUM NO (Yr tested)	459 (2004)	459 (2004)	460 (2003)
ENGINE			Turbochgr
Bore and Stroke ... in.	4.094x4.528	4.094x4.528	4.094x4.528
" " " ... *(mm)*	*(104.0x115.0)*	*(104.0x115.0)*	*(104.0x115.0)*
No. of Cylinders	3	3	3
Displacement ... cu in *(ml)*	179 *(2930)*	179 *(2930)*	179 *(2931)*
Rated RPM	2500	2500	2500
Compression Ratio	18.0 to 1	18.0 to 1	18.0 to 1
CHASSIS		Front	
Type	Standard	Whl Assist	Standard
Tires: No., Size, Ply ... front	2; 7.50-16; 6	2; 9.5-24; 6	2; 7.50-16; 6
rear	2; 14.9R30;**	2; 14.9-30; 6	2; 14.9-30; 6
Weight as tested ... lbs *(kg)*	5825 *(2641)*	6240 *(2831)*	6175 *(2801)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	47.5@2500	47.5@2500	59.3@2500
" " " " " ... *(kW)*	*(35.4)*@2500	*(35.4)*@2500	*(44.2)*@2500
PTO RPM	614	614	614
Fuel: Gal/hr *(l/h)*	2.95 *(11.17)*	2.95 *(11.17)*	3.76 *(14.23)*
Hp. hr/gal *(kW.h/l)*	16.09 *(3.17)*	16.09 *(3.17)*	15.79 *(3.11)*
Max Pwr @ Std PTO RPM ..... HP	45.2@540	45.2@540	59.8@540
" " " " " " .... *(kW)*	*(33.7)*@540	*(33.7)*@540	*(44.6)*@540
Eng RPM	2200	2200	2200
Fuel: Gal/hr *(l/h)*	2.81 *(10.65)*	2.81 *(10.65)*	3.64 *(13.77)*
Hp. hr/gal *(kW.h/l)*	16.09 *(3.17)*	16.09 *(3.17)*	16.45 *(3.24)*
Maximum Torque rise % @ Engine RPM	34@1350	34@1350	38@1300
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	35.2@5.42	39.6@5.73	48.7@5.49
" *kW* " " ... *(km/h)*	*(26.3@8.73)*	*(29.5@9.22)*	*(36.3@8.83)*
100% Load ... HP@mph	35.2@5.42	39.6@5.73	44.4@6.17
" " ... *(kW@km/h)*	*(26.3@8.73)*	*(29.5@9.22)*	*(33.1@9.93)*
Fuel: ... HP hr/gal *(kW.h/l)*	11.67 *(2.30)*	12.93 *(2.55)*	12.23 *(2.41)*
75% Load ... HP@mph	28.8@5.91	32.9@6.35	34.6@6.41
" " ... *(kW@km/h)*	*(21.5@9.51)*	*(24.5@10.22)*	*(25.8@10.31)*
Fuel: ... HP hr/gal *(kW.h/l)*	10.51 *(2.09)*	11.62 *(2.29)*	10.25 *(2.02)*
50% Load ... HP@mph	20.0@6.14	22.5@6.51	24.2@6.73
" " ... *(kW@km/h)*	*(14.9@9.88)*	*(16.8@10.47)*	*(18.1@10.84)*
Fuel: ... HP hr/gal *(kW.h/l)*	8.98 *(1.77)*	9.60 *(1.89)*	8.81 *(1.73)*
50% Load ... HP@mph	20.0@6.13	22.6@6.54	24.6@6.74
" " ... *(kW@km/h)*	*(14.9@9.86)*	*(16.8@10.52)*	*(18.3@10.84)*
Reduced Eng RPM	2150	2172	2069
Fuel: ... HP hr/gal *(kW.h/l)*	11.17 *(2.20)*	11.27 *(2.22)*	10.61 *(2.09)*
Max Pull: ... lbs@mph	3790@2.88	5180@2.35	3925@3.15
" " ... *(kN@km/h)*	*(16.86@4.63)*	*(23.05@3.78)*	*(17.45@5.08)*
MAXIMUM SOUND LEVEL	w/o cab	w/o cab	w/o cab
At Operator's Ear ... dB(A)	86.2	86.4	86.1
Bystander ... dB(A)	. . . . .	. . . . .	. . . . .
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	4000 *(17.8)*	4000 *(17.8)*	3865 *(17.2)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	11.9 *(44.9)*	11.9 *(44.9)*	11.0 *(41.8)*

CASE-IH

TRACTOR MODEL	JX 65 Dsl FWA	JX 75 Dsl 2WD	JX 75 Dsl FWA
Transmission	12 speed	12 speed	12 speed
NEBR SUM NO (Yr tested)	460 (2003)	461 (2004)	461 (2004)
ENGINE	Turbochgr		
Bore and Stroke ... in.	4.094x4.528	4.094x4.528	4.094x4.528
" " " ... *(mm)*	*(104.0x115.0)*	*(104.0x115.0)*	*(104.0x115.0)*
No. of Cylinders	3	4	4
Displacement ... cu in *(ml)*	179 *(2931)*	238 *(3908)*	238 *(3613)*
Rated RPM	2500	2500	2500
Compression Ratio	18.0 to 1	18.0 to 1	18.0 to 1
CHASSIS	Front Whl Assist	Standard	Front Whl Assist
Type			
Tires: No., Size, Ply ... front	2; 9.5-24; 6	2; 9.00-16; 10	2; 13.6R24;**
rear	2; 14.9-30; 6	2; 16.9R34;**	2; 16.9R34;**
Weight as tested ... lbs *(kg)*	6295 *(2855)*	7090 *(3215)*	7455 *(3382)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	59.3@2500	64.2@2500	64.2@2500
" " " " " " ... *(kW)*	*(44.2)@2500*	*(47.9)@2500*	*(47.9)@2500*
PTO RPM	614	614	614
Fuel: Gal/hr *(l/h)*	3.76 *(14.23)*	4.15 *(15.72)*	4.15 *(15.72)*
Hp. hr/gal *(kWh/l)*	15.79 *(3.11)*	15.48 *(3.05)*	15.48 *(3.05)*
Max Pwr @ Std PTO RPM ..... HP	59.8@540	63.4@540	63.4@540
" " " " " " .... *(kW)*	*(44.6)@540*	*(47.3)@540*	*(47.3)@540*
Eng RPM	2200	2200	2200
Fuel: Gal/hr *(l/h)*	3.64 *(13.77)*	3.84 *(14.54)*	3.84 *(14.54)*
Hp. hr/gal *(kWh/l)*	16.45 *(3.24)*	16.50 *(3.25)*	16.50 *(3.25)*
Maximum Torque rise % @ Engine RPM	38@1300	36@1300	36@1300
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	43.9@5.08	49.1@5.63	51.8@5.87
" *kW* " " ... *(km/h)*	*(36.5@8.18)*	*(36.6@9.06)*	*(38.6@9.45)*
100% Load ... HP@mph	46.4@5.62	49.1@5.63	51.8@5.87
" " ... *(kW@km/h)*	*(34.5@9.05)*	*(36.6@9.06)*	*(38.6@9.45)*
Fuel: ... HP hr/gal *(kWh/l)*	12.44 *(2.45)*	11.78 *(2.32)*	12.37 *(2.44)*
75% Load ... HP@mph	36.9@5.95	38.2@5.83	40.9@6.18
" " ... *(kW@km/h)*	*(27.5@9.57)*	*(28.5@9.39)*	*(30.5@9.95)*
Fuel: ... HP hr/gal *(kWh/l)*	10.76 *(2.12)*	10.00 *(1.97)*	10.77 *(2.12)*
50% Load ... HP@mph	25.3@6.12	26.7@6.12	28.2@6.39
" " ... *(kW@km/h)*	*(18.9@9.85)*	*(19.9@9.85)*	*(21.0@14.74)*
Fuel: ... HP hr/gal *(kWh/l)*	9.02 *(1.78)*	8.61 *(1.70)*	9.38 *(1.85)*
50% Load ... HP@mph	25.7@6.13	26.6@6.10	28.3@6.38
" " ... *(kW@km/h)*	*(19.1@9.86)*	*(19.9@9.82)*	*(21.1@10.26)*
Reduced Eng RPM	2072	2016	2055
Fuel: ... HP hr/gal*(kWh/l)*	11.46 *(2.26)*	10.15 *(2.00)*	11.67 *(2.30)*
Max Pull: ... lbs@mph	4625@2.94	4670@2.91	6190@2.31
" " ... *(kN@km/h)*	*(20.58@4.73)*	*(20.78@4.69)*	*(27.54@3.71)*
MAXIMUM SOUND LEVEL	w/o cab	w/o cab	w/o cab
At Operator's Ear ... dB(A)	86.0	85.6	85.9
Bystander ... dB(A)	. . . . .	. . . . .	. . . . .
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	3865 *(17.2)*	3235 *(14.4)*	3235 *(14.4)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	11.0 *(41.8)*	15.3 *(57.8)*	15.3 *(57.8)*

TRACTOR MODEL	JX 80U Dsl 2WD	JX 80U Dsl FWA	JX 85 Dsl 2WD
Transmission	24 speed	24 speed	12 speed
NEBR SUM NO (Yr tested)	407 (2002)	407 (2002)	462 (2004)
ENGINE			
			Turbochgr
Bore and Stroke ... in.	4.094x4.528	4.094x4.528	4.094x4.528
" " " ... *(mm)*	*(104.0x115.0)*	*(104.0x115.0)*	*(104.0x115.0)*
No. of Cylinders	4	4	4
Displacement ... cu in *(ml)*	238 *(3908)*	238 *(3908)*	238 *(3908)*
Rated RPM	2500	2500	2500
Compression Ratio	17.0 to 1	17.0 to 1	18.0 to 1
CHASSIS			
Type	Standard	Front Whl Assist	Standard
Tires: No., Size, Ply ... front	2; 7.50-16; 8	2; 320/70R24; **	2; 9.00-16; 8
rear	2; 480/70R30; **	2; 480/70R30; **	2; 420/85R34;**
Weight as tested ... lbs *(kg)*	9505 *(4315)*	9975 *(4525)*	6980 *(3165)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	67.3@2496	67.3@2496	78.4@2500
" " " " " ... *(kW)*	*(50.2)*@2496	*(50.2)*@2496	*(58.5)*@2500
PTO RPM	613	613	614
Fuel: Gal/hr *(l/h)*	4.15 *(15.70)*	4.15 *(15.70)*	4.59 *(17.36)*
Hp. hr/gal *(kWh/l)*	16.24 *(3.20)*	16.24 *(3.20)*	17.11 *(3.37)*
Max Pwr @ Std PTO RPM ..... HP	65.0@540	65.0@540	76.4@540
" " " " " .... *(kW)*	*(48.5)*@540	*(48.5)*@540	*(57.0)*@540
Eng RPM	2199	2199	2206
Fuel: Gal/hr *(l/h)*	3.81 *(14.42)*	3.81 *(14.42)*	4.32 *(16.35)*
Hp. hr/gal *(kWh/l)*	17.06 *(3.37)*	17.06 *(3.37)*	17.71 *(3.49)*
Maximum Torque rise % @ Engine RPM	31@1409	31@1409	45@1350
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	55.5@4.82	54.3@4.10	56.7@5.59
" *kW* " " ... *(km/h)*	*(41.4@7.76)*	*(40.5@6.60)*	*(42.3@9.00)*
100% Load ... HP@mph	55.5@4.82	54.3@4.10	56.7@5.59
" " ... *(kW@km/h)*	*(41.4@7.76)*	*(40.5@6.60)*	*(42.3@9.00)*
Fuel: ... HP hr/gal *(kWh/l)*	13.55 *(2.67)*	13.18 *(2.60)*	12.23 *(2.41)*
75% Load ... HP@mph	42.8@4.96	43.5@4.41	46.4@6.11
" " ... *(kW@km/h)*	*(31.9@7.97)*	*(32.5@7.10)*	*(34.5@9.83)*
Fuel: ... HP hr/gal *(kWh/l)*	12.89 *(2.54)*	12.28 *(2.42)*	10.86 *(2.14)*
50% Load ... HP@mph	.....	.....	32.1@6.33
" " ... *(kW@km/h)*	.....	.....	*(23.9@10.18)*
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	9.44 *(1.86)*
50% Load ... HP@mph	.....	.....	32.0@6.33
" " ... *(kW@km/h)*	.....	.....	*(23.9@10.19)*
Reduced Eng RPM	.....	.....	2095
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	11.69 *(2.28)*
Max Pull: ... lbs@mph	6720@2.70	9105@1.55	4575@3.63
" " ... *(kN@km/h)*	*(29.9@4.35)*	*(40.5@2.50)*	*(20.34@5.84)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/o cab
At Operator's Ear ... dB(A)	81.4	81.4	88.2
Bystander ... dB(A)	84.5	84.4	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	6825 *(30.4)*	6825 *(30.4)*	3620 *(16.1)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	16.3 *(61.8)*	16.3 *(61.8)*	15.6 *(59.0)*

CASE-IH

TRACTOR MODEL	JX 85 Dsl FWA	JX 90U Dsl 2WD	JX 90U Dsl FWA
Transmission	12 speed	24 speed	24 speed
NEBR SUM NO (Yr tested)	462 (2004)	408 (2002)	408 (2002)
ENGINE			
Bore and Stroke ... in.	Turbochgr 4.094x4.528	Turbochgr 4.094x4.528	Turbochgr 4.094x4.528
" " " ... *(mm)*	*(104.0x115.0)*	*(104.0x115.0)*	*(104.0x115.0)*
No. of Cylinders	4	4	4
Displacement ... cu in *(ml)*	238 *(3908)*	238 *(3908)*	238 *(3908)*
Rated RPM	2500	2500	2500
Compression Ratio	18.0 to 1	16.5 to 1	16.5 to 1
CHASSIS			
Type	Front Whl Assist	Standard	Front Whl Assist
Tires: No., Size, Ply ... front	2; 12.4R24;**	2; 7.50-20; 8	2; 380/70R24;**
rear	2; 18.4R30;**	2; 480/70R34;**	2; 480/70R34;**
Weight as tested ... lbs *(kg)*	7860 *(3565)*	9885 *(4485)*	10525 *(4775)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	78.4@2500	78.0@2496	78.0@2496
" " " " " " ... *(kW)*	*(58.5)@2500*	*(58.2)@2496*	*(58.2)@2496*
PTO RPM	614	613	613
Fuel: Gal/hr *(l/h)*	4.59 *(17.36)*	4.77 *(18.06)*	4.77 *(18.06)*
Hp. hr/gal *(kWh/l)*	17.11 *(3.37)*	16.34 *(3.22)*	16.34 *(3.22)*
Max Pwr @ Std PTO RPM ..... HP	76.4@540	80.3@538	80.3@538
" " " " " .... *(kW)*	*(57.0)@540*	*(60.3)@538*	*(60.3)@538*
Eng RPM	2200	2191	2191
Fuel: Gal/hr *(l/h)*	4.32 *(16.35)*	4.61 *(17.46)*	4.61 *(17.46)*
Hp. hr/gal *(kWh/l)*	17.71 *(3.49)*	17.51 *(3.45)*	17.51 *(3.45)*
Maximum Torque rise % @ Engine RPM	45@1350	30@1429	30@1429
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	60.9@5.62	65.4@4.57	65.4@4.35
" *kW* " " ..... *(km/h)*	*(45.4@9.04)*	*(48.7@7.35)*	*(48.8@7.00)*
100% Load ..... HP@mph	60.9@5.62	65.4@4.57	65.4@4.35
" " ..... *(kW@km/h)*	*(45.4@9.04)*	*(48.7@7.35)*	*(48.8@7.00)*
Fuel: ..... HP hr/gal *(kWh/l)*	13.20 *(2.60)*	13.52 *(2.66)*	13.72 *(2.70)*
75% Load ..... HP@mph	49.1@6.04	52.4@4.91	52.3@4.66
" " ..... *(kW@km/h)*	*(36.6@9.72)*	*(39.1@7.90)*	*(39.0@7.50)*
Fuel: ..... HP hr/gal *(kWh/l)*	11.57 *(2.28)*	13.91 *(2.74)*	11.69 *(2.30)*
50% Load ..... HP@mph	33.8@6.23	.....	.....
" " ..... *(kW@km/h)*	*(25.2@10.02)*	.....	.....
Fuel: ..... HP hr/gal *(kWh/l)*	10.36 *(2.04)*	.....	.....
50% Load ..... HP@mph	33.7@6.20	.....	.....
" " ..... *(kW@km/h)*	*(25.1@9.97)*	.....	.....
Reduced Eng RPM	2085	.....	.....
Fuel: ..... HP hr/gal *(kWh/l)*	11.93 *(2.35)*	.....	.....
Max Pull: ..... lb@mph	6520@2.88	7330@2.65	9285@2.11
" " ..... *(kN@km/h)*	*(29.01@4.63)*	*(32.6@4.26)*	*(41.3@3.40)*
MAXIMUM SOUND LEVEL	w/o cab	w/cab	w/cab
At Operator's Ear ..... dB(A)	88.4	79.4	79.4
Bystander ..... dB(A)	.....	85.6	84.7
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ..... lbs *(kN)*	3845 *(17.1)*	6825 *(30.4)*	6825 *(30.4)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	11.9 *(45.2)*	16.3 *(61.8)*	16.3 *(61.8)*

TRACTOR MODEL	JX 95 Dsl 2WD	JX 95 Dsl FWA
Transmission	12 speed	12 speed
NEBR SUM NO (Yr tested)	463 (2004)	463 (2004)
ENGINE	Turbochgr	Turbochgr
Bore and Stroke ... in.	4.094x4.528	4.094x4.528
" " " ... *(mm)*	*(104.0x115.0)*	*(104.0x115.0)*
No. of Cylinders	4	4
Displacement ... cu in *(ml)*	238 *(3908)*	238 *(3908)*
Rated RPM	2500	2500
Compression Ratio	18.0 to 1	18.0 to 1
CHASSIS		Front
Type	Standard	Whl Assist
Tires: No., Size, Ply ... front	2; 7.50-18; 6	2; 13.6R24; **
rear	2; 18.4R34; **	2; 16.9R34; **
Weight as tested ... lbs *(kg)*	6955 *(3155)*	7780 *(3529)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	82.5@2500	82.5@2500
" " " " " ... *(kW)*	*(61.5)@2500*	*(61.5)@2500*
PTO RPM	614	614
Fuel: Gal/hr *(l/h)*	4.73 *(17.91)*	4.73 *(17.91)*
Hp. hr/gal *(kWh/l)*	17.42 *(3.43)*	17.42 *(3.43)*
Max Pwr @ Std PTO RPM ..... HP	81.3@540	81.3@540
" " " " " " .... *(kW)*	*(60.6)@540*	*(60.6)@540*
Eng RPM	2200	2200
Fuel: Gal/hr *(l/h)*	4.47 *(16.92)*	4.47 *(16.92)*
Hp. hr/gal *(kWh/l)*	18.17 *(3.58)*	18.17 *(3.58)*
Maximum Torque rise % @ Engine RPM	26@1600	26@1600
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	71.1@8.35	69.2@8.41
" *kW* " " ... *(km/h)*	*(53.0@13.44)*	*(51.6@13.53)*
100% Load ... HP@mph	63.4@4.96	64.8@4.98
" " ... *(kW@km/h)*	*(47.3@7.98)*	*(48.3@8.01)*
Fuel: ... HP hr/gal *(kWh/l)*	12.93 *(2.55)*	12.03 *(2.37)*
75% Load ... HP@mph	52.6@5.48	54.0@5.54
" " ... *(kW@km/h)*	*(39.2@8.82)*	*(40.3@8.92)*
Fuel: ... HP hr/gal *(kWh/l)*	11.46 *(2.26)*	10.84 *(2.14)*
50% Load ... HP@mph	36.9@5.76	37.6@5.78
" " ... *(kW@km/h)*	*(27.5@9.27)*	*(28.0@9.30)*
Fuel: ... HP hr/gal *(kWh/l)*	10.13 *(2.00)*	9.09 *(1.79)*
50% Load ... HP@mph	36.8@5.76	37.4@5.75
" " ... *(kW@km/h)*	*(27.5@9.27)*	*(27.9@9.25)*
Reduced Eng RPM	2403	2443
Fuel: ... HP hr/gal *(kWh/l)*	11.17 *(2.20)*	10.55 *(2.08)*
Max Pull: ... lbs@mph	5290@3.46	6500@3.02
" " ... *(kN@km/h)*	*(23.22@5.57)*	*(28.92@4.86)*
MAXIMUM SOUND LEVEL	w/o cab	w/o cab
At Operator's Ear ... dB(A)	88.6	88.6
Bystander ... dB(A)	.....	.....
THREE POINT LIFT		
Force available @ 24" *(610 mm)* ... lbs *(kN)*	3820 *(17.0)*	3820 *(17.0)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	15.4 *(58.4)*	15.4 *(58.4)*

CASE-IH

TRACTOR MODEL	JX 100U Dsl 2WD	JX 100U Dsl FWA
Transmission	24 speed	24 speed
NEBR SUM NO (Yr tested)	409 (2002)	409 (2002)
ENGINE		
Bore and Stroke in.	Turbochgr	Turbochgr
" " " *(mm)*	4.094x4.528	4.094x4.528
No. of Cylinders	*(104.0x115.0)*	*(104.0x115.0)*
Displacement cu in *(ml)*	4	4
Rated RPM	238 *(3908)*	238 *(3908)*
Compression Ratio	2500	2500
	16.5 to 1	16.5 to 1
CHASSIS		
Type	Standard	Front Whl Assist
Tires: No., Size, Ply front	2; 7.50-20; 8	2; 380/70R24;**
rear	2; 480/70R34;**	2; 480/70R34;**
Weight as tested lbs *(kg)*	9885 *(4485)*	10525 *(4775)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM HP	82.6@2496	82.6@2496
" " " " " " *(kW)*	*(61.6)*@2496	*(61.6)*@2496
PTO RPM	613	613
Fuel: Gal/hr *(l/h)*	4.93 *(18.67)*	4.93 *(18.67)*
Hp. hr/gal *(kWh/l)*	16.75 *(3.30)*	16.75 *(3.30)*
Max Pwr @ Std PTO RPM HP	83.1@538	83.1@538
" " " " " " *(kW)*	*(62.0)*@538	*(62.0)*@538
Eng RPM	2191	2191
Fuel: Gal/hr *(l/h)*	4.66 *(17.63)*	4.66 *(17.63)*
Hp. hr/gal *(kWh/l)*	17.87 *(3.52)*	17.87 *(3.52)*
Maximum Torque rise % @ Engine RPM	40@1507	40@1507
DRAWBAR PERFORMANCE		
Max HP (Short Term) @mph	69.4@5.72	68.0@3.73
" *kW* " " *(km/h)*	*(51.8@9.21)*	*(50.7@6.00)*
100% Load HP@mph	69.3@4.45	68.0@3.73
" " *(kW@km/h)*	*(51.6@7.16)*	*(50.7@6.00)*
Fuel: HP hr/gal *(kWh/l)*	13.86 *(2.73)*	13.86 *(2.73)*
75% Load HP@mph	57.9@5.00	56.1@4.10
" " *(kW@km/h)*	*(43.2@8.05)*	*(41.8@6.60)*
Fuel: HP hr/gal *(kWh/l)*	15.13 *(2.98)*	12.03 *(2.37)*
50% Load HP@mph	.....	.....
" " *(kW@km/h)*	.....	.....
Fuel: HP hr/gal *(kWh/l)*	.....	.....
50% Load HP@mph	.....	.....
" " *(kW@km/h)*	.....	.....
Reduced Eng RPM	.....	.....
Fuel: HP hr/gal *(kWh/l)*	.....	.....
Max Pull: lbs@mph	7105@3.40	9510@2.36
" " *(kN@km/h)*	*(31.6@5.47)*	*(42.3@3.80)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear dB(A)	79.6	79.6
Bystander dB(A)	85.7	84.9
THREE POINT LIFT		
Force available @ 24" *(610 mm)* lbs *(kN)*	6825 *(30.4)*	6825 *(30.4)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	16.3 *(61.8)*	16.3 *(61.8)*

TRACTOR MODEL	MXU 100 Dsl (2WD)	MXU 100 Dsl (FWA)	MXU 110 Dsl (2WD)
Transmission	12 speed	12 speed	16 speed Pwrshift
NEBR SUM NO (Yr tested)	493 (2004)	493 (2004)	494 (2005)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.094x5.196	4.094x5.196	4.094x5.196
" " " ... *(mm)*	*(104.0x132.0)*	*(104.0x132.0)*	*(104.0x132.0)*
No. of Cylinders	4	4	4
Displacement ... cu in *(ml)*	274 *(4485)*	274 *(4485)*	274 *(4485)*
Rated RPM	2200	2200	2200
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front Whl Assist	Front Whl Assist	Front Whl Assist
Type			
Tires: No., Size, Ply ... front	2; 480/65R28;**	2; 480/65R28;**	2; 480/65R28;**
rear	2; 600/65R38;**	2; 600/65R38;**	2; 600/65R38;**
Weight as tested ... lbs *(kg)*	11365 *(5155)*	11365 *(5155)*	11605 *(5263)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	86.9@2200	86.9@2200	102.9@2201
" " " " " ... *(kW)*	*(64.8)@2200*	*(64.8)@2200*	*(76.7)@2201*
PTO RPM	1038	1038	1038
Fuel: Gal/hr *(l/h)*	5.84 *(22.09)*	5.84 *(22.09)*	6.20 *(23.45)*
Hp. hr/gal *(kWh/l)*	14.87 *(2.93)*	14.87 *(2.93)*	16.60 *(3.27)*
Max Pwr @ Std PTO RPM ... HP	87.2@1001	87.2@1001	107.3@1000
" " " " " " .... *(kW)*	*(65.0)@1001*	*(65.0)@1001*	*(80.0)@1000*
Eng RPM	2121	2121	2119
Fuel: Gal/hr *(l/h)*	5.70 *(21.59)*	5.70 *(21.59)*	6.30 *(23.85)*
Hp. hr/gal *(kWh/l)*	15.28 *(3.01)*	15.28 *(3.01)*	17.04 *(3.36)*
Maximum Torque rise % @ Engine RPM	55@1252	55@1252	49@1406
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	77.0@3.81	76.2@3.17	97.4@5.64
" *kW* " " ... *(km/h)*	*(57.4@6.13)*	*(56.8@5.10)*	*(72.6@9.08)*
100% Load ... HP@mph	75.6@4.43	74.3@4.52	85.6@6.59
" " ... *(kW@km/h)*	*(56.4@7.13)*	*(55.7@7.27)*	*(63.8@10.60)*
Fuel: ... HP hr/gal *(kWh/l)*	12.89 *(2.54)*	12.94 *(2.55)*	14.06 *(2.77)*
75% Load ... HP@mph	62.1@4.84	60.7@4.90	66.5@6.82
" " ... *(kW@km/h)*	*(46.3@7.78)*	*(45.3@7.88)*	*(49.7@10.98)*
Fuel: ... HP hr/gal *(kWh/l)*	11.12 *(2.19)*	11.22 *(2.21)*	12.74 *(2.51)*
50% Load ... HP@mph	41.3@4.86	40.8@4.92	44.9@6.95
" " ... *(kW@km/h)*	*(30.8@7.82)*	*(30.4@7.92)*	*(33.5@11.18)*
Fuel: ... HP hr/gal *(kWh/l)*	9.80 *(1.93)*	9.54 *(1.88)*	10.50 *(2.07)*
50% Load ... HP@mph	41.3@4.85	40.5@4.92	45.2@6.94
" " ... *(kW@km/h)*	*(30.8@7.81)*	*(30.2@7.91)*	*(33.7@11.17)*
Reduced Eng RPM	1660	1654	1898
Fuel: ... HP hr/gal*(kWh/l)*	13.05 *(2.57)*	12.89 *(2.54)*	12.25 *(2.41)*
Max Pull: ... lbs@mph	9420@1.17	12050@1.19	9385@1.29
" " ... *(kN@km/h)*	*(41.9@1.88)*	*(53.6@1.91)*	*(41.8@2.08)*
MAXIMUM SOUND LEVEL	w/o cab w/cab	w/o cab w/cab	w/o cab w/cab
At Operator's Ear ... dB(A)	85.0 74.0	85.0 74.0	85.0 73.0
Bystander ... dB(A)	....	....	....
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	7330 *(32.6)*	7330 *(32.6)*	7330 *(32.6)*
HYDRAULIC FLOW Gal/min *(l/min)*	22.0 *(83.3)*	22.0 *(83.3)*	22.0 *(83.3)*

TRACTOR MODEL	MXU 110 Dsl (FWA)	MXU 125 Dsl (2WD)	MXU 125 Dsl (FWA)
Transmission	16 speed Pwrshift	24 speed Pwrshift	24 speed Pwrshift
NEBR SUM NO (Yr tested)	494 (2005)	495 (2005)	495 (2005)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.094x5.196	4.094x5.196	4.094x5.196
" " " ... *(mm)*	*(104.0x132.0)*	*(104.0x132.0)*	*(104.0x132.0)*
No. of Cylinders	4	6	6
Displacement ... cu in *(ml)*	274 *(4488)*	410 *(6728)*	410 *(6728)*
Rated RPM	2200	2200	2200
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 480/65R28;**	2; 480/65R28;**	2; 480/65R28;**
rear	2; 600/65R38;**	2; 600/65R38;**	2; 600/65R38;**
Weight as tested ... lbs *(kg)*	11605 *(5263)*	12230 *(5548)*	12230 *(5548)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	102.9@2201	109.4@2200	109.4@2200
" " " " " " ... *(kW)*	*(76.7)@2201*	*(81.6)@2200*	*(81.6)@2200*
PTO RPM	1038	1036	1036
Fuel: Gal/hr *(l/h)*	6.20 *(23.45)*	6.65 *(25.17)*	6.65 *(25.17)*
Hp. hr/gal *(kWh/l)*	16.60 *(3.27)*	16.45 *(3.24)*	16.45 *(3.24)*
Max Pwr @ Std PTO RPM ..... HP	107.3@1000	113.6@1000	113.6@1000
" " " " " " .... *(kW)*	*(80.0)@1000*	*(84.7)@1000*	*(84.7)@1000*
Eng RPM	2119	2123	2123
Fuel: Gal/hr *(l/h)*	6.30 *(23.85)*	6.64 *(25.14)*	6.64 *(25.14)*
Hp. hr/gal *(kWh/l)*	17.04 *(3.36)*	17.11 *(3.37)*	17.11 *(3.37)*
Maximum Torque rise % @ Engine RPM	49@1406	49@1406	49@1406
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	97.1@3.32	102.7@5.31	100.7@6.36
" *kW* " " ... *(km/h)*	*(72.4@5.34)*	*(76.6@10.16)*	*(75.1@10.23)*
100% Load ... HP@mph	86.4@3.95	90.4@7.38	88.5@4.48
" " ... *(kW@km/h)*	*(64.4@6.36)*	*(67.4@11.88)*	*(66.0@7.21)*
Fuel: ... HP hr/gal *(kWh/l)*	14.16 *(2.79)*	14.06 *(2.77)*	13.20 *(2.60)*
75% Load ... HP@mph	67.3@4.11	70.3@7.57	68.9@4.65
" " ... *(kW@km/h)*	*(50.2@6.61)*	*(52.4@12.35)*	*(51.4@7.49)*
Fuel: ... HP hr/gal *(kWh/l)*	12.76 *(2.51)*	12.89 *(2.54)*	12.39 *(2.44)*
50% Load ... HP@mph	46.0@4.21	47.6@7.31	47.1@4.76
" " ... *(kW@km/h)*	*(34.3@6.77)*	*(35.5@12.57)*	*(35.1@7.66)*
Fuel: ... HP hr/gal *(kWh/l)*	11.01 *(2.17)*	10.34 *(2.04)*	9.44 *(1.86)*
50% Load ... HP@mph	46.1@4.22	47.7@7.79	47.1@4.78
" " ... *(kW@km/h)*	*(34.4@6.78)*	*(35.6@12.54)*	*(35.1@7.69)*
Reduced Eng RPM ...	1893	1919	1980
Fuel: ... HP hr/gal *(kWh/l)*	12.79 *(2.52)*	12.18 *(2.40)*	11.98 *(2.36)*
Max Pull: ... lbs@mph	12320@1.30	9845@1.16	12770@1.17
" " ... *(kN@km/h)*	*(54.8@2.99)*	*(43.8@1.86)*	*(56.8@1.89)*
MAXIMUM SOUND LEVEL	w/o cab w/cab	w/o cab w/cab	w/o cab w/cab
At Operator's Ear ... dB(A)	85.0 73.0	84.0 68.0	84.0 69.0
Bystander ... dB(A)	....	....	....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	7330 *(32.6)*	7330 *(32.6)*	7330 *(32.6)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	22.0 *(83.3)*	21.8 *(82.5)*	21.8 *(82.5)*

TRACTOR MODEL	MXU 135 Dsl (2WD)	MXU 135 Dsl (FWA)
Transmission	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	496 (2004)	496 (2004)
ENGINE	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.094x5.196	4.094x5.196
" " " ... *(mm)*	*(104.0x132.0)*	*(104.0x132.0)*
No. of Cylinders	6	6
Displacement ... cu in *(ml)*	410 *(6728)*	410 *(6728)*
Rated RPM	2200	2200
Compression Ratio	17.0 to 1	17.0 to 1
CHASSIS	Front	Front
Type	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 480/65R28;**	2; 480/65R28;**
rear	2; 600/65R38;**	2; 600/65R38;**
Weight as tested ... lbs *(kg)*	12185 *(5527)*	12185 *(5527)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	114.5@2199	114.5@2199
" " " " " " ... *(kW)*	*(85.4)*@2199	*(85.4)*@2199
PTO RPM	1037	1037
Fuel: Gal/hr *(l/h)*	7.19 *(27.22)*	7.19 *(27.22)*
Hp. hr/gal *(kWh/l)*	15.93 *(3.14)*	15.93 *(3.14)*
Max Pwr @ Std PTO RPM ..... HP	120.1@1000	120.1@1000
" " " " " " .... *(kW)*	*(89.6)*@1000	*(89.6)*@1000
Eng RPM	2120	2120
Fuel: Gal/hr *(l/h)*	7.21 *(27.29)*	7.21 *(27.29)*
Hp. hr/gal *(kWh/l)*	16.65 *(3.28)*	16.65 *(3.28)*
Maximum Torque rise % @ Engine RPM	49@1398	49@1398
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	106.5@8.74	106.6@4.49
" *kW* " " ... *(km/h)*	*(79.4@14.06)*	*(79.5@7.23)*
100% Load ... HP@mph	91.3@4.10	94.4@4.28
" " ... *(kW@km/h)*	*(68.1@6.60)*	*(70.4@6.88)*
Fuel: ... HP hr/gal *(kWh/l)*	12.89 *(2.54)*	13.50 *(2.66)*
75% Load ... HP@mph	73.4@4.40	74.0@4.47
" " ... *(kW@km/h)*	*(54.7@7.08)*	*(55.2@7.20)*
Fuel: ... HP hr/gal *(kWh/l)*	11.93 *(2.35)*	12.14 *(2.39)*
50% Load ... HP@mph	50.5@4.52	50.7@4.58
" " ... *(kW@km/h)*	*(37.7@7.27)*	*(37.8@7.37)*
Fuel: ... HP hr/gal *(kWh/l)*	9.90 *(1.95)*	10.05 *(1.98)*
50% Load ... HP@mph	50.6@4.53	50.7@4.60
" " ... *(kW@km/h)*	*(37.7@7.29)*	*(37.8@7.40)*
Reduced Eng RPM	2055	2052
Fuel: ... HP hr/gal*(kWh/l)*	12.03 *(2.37)*	11.67 *(2.30)*
Max Pull: ... lbs@mph	8565@1.32	11755@2.00
" " ... *(kN@km/h)*	*(38.1@2.12)*	*(52.3@3.21)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ... dB(A)	72.0	73.0
Bystander ... dB(A)	....	....
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	9530 *(42.4)*	9530 *(42.4)*
HYDRAULIC FLOW Gal/min *(l/min)*	26.2 *(99.0)*	26.2 *(99.0)*

CASE-IH

TRACTOR MODEL	MXM 120 Dsl (2WD)	MXM 120 Dsl (FWA)	MXM 130 Dsl (2WD)
Transmission	18 speed Range Cmd	18 speed Range Cmd	18 speed Range Cmd
NEBR SUM NO (Yr tested)	429 (2002)	429 (2002)	431 (2002)
ENGINE			
Bore and Stroke ... in.	Turbo-Intr 4.40x5.00	Turbo-Intr 4.40x5.00	Turbo-Intr 4.40x5.00
" " " ... *(mm)*	*(111.8x127.0)*	*(111.8x127.0)*	*(111.8x127.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	456 *(7480)*	456 *(7480)*	456 *(7480)*
Rated RPM	2200	2200	2200
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS			
Type	Front Whl Assist	Front Whl Assist	Front Whl Assist
Tires: No., Size, Ply ... front	2; 14.9R28; **	2; 14.9R28; **	2; 14.9R28; **
rear	2; 18.4R38; **	2; 18.4R38; **	2; 18.4R38; **
Weight as tested ... lbs *(kg)*	11995 *(5441)*	11995 *(5441)*	12080 *(5480)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	100.7@2202	100.7@2202	113.3@2200
" " " " " " ... *(kW)*	*(75.1)@2202*	*(75.1)@2202*	*(84.5)@2200*
PTO RPM	1039	1039	1038
Fuel: Gal/hr *(l/h)*	6.77 *(25.63)*	6.77 *(25.63)*	7.22 *(27.33)*
Hp. hr/gal *(kWh/l)*	14.87 *(2.93)*	14.87 *(2.93)*	15.68 *(3.09)*
Max Pwr @ Std PTO RPM ..... HP	104.1@1000	104.1@1000	112.8@1000
" " " " " " .... *(kW)*	*(77.6)@1000*	*(77.6)@1000*	*(84.1)@1000*
Eng RPM	2120	2120	2121
Fuel: Gal/hr *(l/h)*	6.66 *(25.20)*	6.66 *(25.20)*	7.02 *(26.59)*
Hp. hr/gal *(kWh/l)*	15.63 *(3.08)*	15.63 *(3.08)*	16.04 *(3.16)*
Maximum Torque rise % @ Engine RPM	55@1154	55@1154	28@1400
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	88.6@9.06	88.5@4.55	92.5@4.87
" *kW* " " ..... *(km/h)*	*(66.1@14.58)*	*(66.0@7.33)*	*(69.0@7.83)*
100% Load ..... HP@mph	83.7@4.01	83.0@5.07	91.9@3.94
" " ..... *(kW@km/h)*	*(62.4@6.46)*	*(61.9@8.16)*	*(68.5@6.34)*
Fuel: ..... HP hr/gal *(kWh/l)*	12.19 *(2.40)*	12.29 *(2.42)*	12.85 *(2.53)*
75% Load ..... HP@mph	68.1@4.35	66.1@5.39	76.0@4.34
" " ..... *(kW@km/h)*	*(50.8@7.00)*	*(49.3@8.67)*	*(56.7@6.99)*
Fuel: ..... HP hr/gal *(kWh/l)*	11.31 *(2.23)*	10.96 *(2.16)*	11.68 *(2.30)*
50% Load ..... HP@mph	46.8@4.48	44.9@5.49	51.7@4.43
" " ..... *(kW@km/h)*	*(34.9@7.21)*	*(33.5@8.84)*	*(38.5@7.13)*
Fuel: ..... HP hr/gal *(kWh/l)*	9.64 *(1.90)*	8.84 *(1.74)*	9.73 *(1.92)*
50% Load ..... HP@mph	46.5@4.47	44.7@5.47	51.9@4.44
" " ..... *(kW@km/h)*	*(34.7@7.19)*	*(33.3@8.81)*	*(38.7@7.14)*
Reduced Eng RPM	1962	1950	1961
Fuel: ..... HP hr/gal *(kWh/l)*	11.22 *(2.21)*	10.41 *(2.05)*	11.85 *(2.33)*
Max Pull: ..... lbs@mph	9060@1.70	12320@1.43	9780@1.40
" " ..... *(kN@km/h)*	*(40.3@2.73)*	*(54.8@2.30)*	*(43.5@2.26)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ..... dB(A)	75.0	76.0	75.0
Bystander ..... dB(A)	....	....	....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ..... lbs *(kN)*	7485 *(33.3)*	7485 *(33.3)*	7510 *(33.4)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	32.1 *(121.5)*	32.1 *(121.5)*	32.1 *(119.5)*

TRACTOR MODEL	MXM 130 Dsl (FWA)	MXM 140 Dsl (2WD)	MXM 140 Dsl (FWA)
Transmission	18 speed Range Cmd	18 speed Range Cmd	18 speed Range Cmd
NEBR SUM NO (Yr tested)	431 (2002)	433 (2002)	433 (2002)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.40x5.00	4.40x5.00	4.40x5.00
" " " ... *(mm)*	*(111.8x127.0)*	*(111.8x127.0)*	*(111.8x127.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	456 *(7480)*	456 *(7480)*	456 *(7480)*
Rated RPM	2200	2200	2200
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front Whl Assist	Front Whl Assist	Front Whl Assist
Type			
Tires: No., Size, Ply ... front	2; 14.9R28; **	2; 16.9R28; **	2; 16.9R28; **
rear	2; 18.4R38; **	2; 20.8R38; **	2; 20.8R38; **
Weight as tested ... lbs *(kg)*	12080 *(5480)*	13100 *(5943)*	13100 *(5943)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	113.3@2200	119.7@2201	119.7@2201
" " " " " ... *(kW)*	*(84.5)@2200*	*(89.3)@2201*	*(89.3)@2201*
PTO RPM	1038	1038	1038
Fuel: Gal/hr *(l/h)*	7.22 *(27.33)*	7.81 *(29.58)*	7.81 *(29.58)*
Hp. hr/gal *(kWh/l)*	15.68 *(3.09)*	15.33 *(3.02)*	15.33 *(3.02)*
Max Pwr @ Std PTO RPM ..... HP	112.8@1000	120.8@1000	120.8@1000
" " " " " " .... *(kW)*	*(84.1)@1000*	*(90.1)@1000*	*(90.1)@1000*
Eng RPM	2121	2121	2121
Fuel: Gal/hr *(l/h)*	7.02 *(26.59)*	7.67 *(29.05)*	7.67 *(29.05)*
Hp. hr/gal *(kWh/l)*	16.04 *(3.16)*	15.74 *(3.10)*	15.74 *(3.10)*
Maximum Torque rise % @ Engine RPM	28@1400	51@1350	51@1350
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	95.1@4.09	101.8@4.61	102.7@4.74
" *kW* " " ... *(km/h)*	*(70.9@6.58)*	*(75.9@7.42)*	*(76.6@7.63)*
100% Load ... HP@mph	95.1@4.09	99.1@4.95	101.2@5.07
" " ... *(kW@km/h)*	*(70.9@6.58)*	*(73.9@7.97)*	*(75.5@8.16)*
Fuel: ... HP hr/gal *(kWh/l)*	13.21 *(2.60)*	12.84 *(2.53)*	12.97 *(2.55)*
75% Load ... HP@mph	77.2@4.43	79.8@5.32	81.1@5.40
" " ... *(kW@km/h)*	*(57.6@7.14)*	*(59.5@8.57)*	*(60.5@8.69)*
Fuel: ... HP hr/gal *(kWh/l)*	11.97 *(2.36)*	11.62 *(2.29)*	11.83 *(2.33)*
50% Load ... HP@mph	52.4@4.51	54.2@5.41	54.8@5.47
" " ... *(kW@km/h)*	*(39.1@7.25)*	*(40.4@8.70)*	*(40.9@8.81)*
Fuel: ... HP hr/gal *(kWh/l)*	9.59 *(1.89)*	9.55 *(1.88)*	9.97 *(1.96)*
50% Load ... HP@mph	52.3@4.50	54.0@5.40	54.7@5.47
" " ... *(kW@km/h)*	*(39.0@7.24)*	*(40.3@8.69)*	*(40.8@8.81)*
Reduced Eng RPM	1955	1948	1946
Fuel: ... HP hr/gal *(kWh/l)*	13.30 *(2.62)*	11.47 *(2.26)*	11.70 *(2.31)*
Max Pull: ... lbs@mph	12550@1.43	11105@1.42	13895@1.42
" " ... *(kN@km/h)*	*(55.8@2.29)*	*(49.4@2.28)*	*(61.8@2.28)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	76.0	75.0	75.0
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	7510 *(33.4)*	7485 *(33.3)*	7485 *(33.3)*
HYDRAULIC FLOW Gal/min *(l/min)*	32.1 *(119.5)*	32.1 *(121.5)*	32.1 *(121.5)*

TRACTOR MODEL	MXM 155 Dsl (2WD)	MXM 155 Dsl (FWA)	MXM 175 Dsl (2WD)
Transmission	18 speed Range Cmd	18 speed Range Cmd	19 speed Pwrshift
NEBR SUM NO (Yr tested)	435 (2003)	435 (2003)	437 (2003)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.40x5.00	4.40x5.00	4.40x5.00
" " " ... *(mm)*	*(111.8x127.0)*	*(111.8x127.0)*	*(111.8x127.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	456 *(7480)*	456 *(7480)*	456 *(7480)*
Rated RPM	2200	2200	2200
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 16.9R28; **	2; 16.9R28; **	2; 540/65R30;**
rear	2; 20.8R38; **	2; 20.8R38; **	2; 650/65R42;**
Weight as tested ... lbs *(kg)*	13085 *(5935)*	13085 *(5935)*	15960 *(7240)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	131.6@2200	131.6@2200	151.3@2200
" " " " " " ... *(kW)*	*(98.1)*@2200	*(98.1)*@2200	*(112.8)*@2200
PTO RPM	1038	1038	1021
Fuel: Gal/hr *(l/h)*	8.36 *(31.65)*	8.36 *(31.65)*	9.49 *(35.93)*
Hp. hr/gal *(kWh/l)*	15.74 *(3.10)*	15.74 *(3.10)*	15.94 *(3.14)*
Max Pwr @ Std PTO RPM ..... HP	133.6@1000	133.6@1000	154.2@1000
" " " " " " .... *(kW)*	*(99.6)*@1000	*(99.6)*@1000	*(115.0)*@1000
Eng RPM	2121	2121	2154
Fuel: Gal/hr *(l/h)*	8.22 *(31.12)*	8.22 *(31.12)*	9.44 *(35.73)*
Hp. hr/gal *(kWh/l)*	16.24 *(3.20)*	16.24 *(3.20)*	16.34 *(3.22)*
Maximum Torque rise % @ Engine RPM	47@1251	47@1251	41@1500
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	108.9@9.36	109.8@4.73	139.2@5.69
" *kW* " " ... *(km/h)*	*(81.2@15.06)*	*(81.9@7.61)*	*(103.8@9.15)*
100% Load ... HP@mph	103.3@3.94	108.5@4.09	125.1@4.74
" " ... *(kW@km/h)*	*(77.0@6.34)*	*(80.9@6.59)*	*(93.3@7.64)*
Fuel: ... HP hr/gal *(kWh/l)*	12.43 *(2.45)*	12.99 *(2.56)*	12.96 *(2.55)*
75% Load ... HP@mph	83.4@4.24	86.4@4.36	99.0@5.00
" " ... *(kW@km/h)*	*(62.2@6.83)*	*(64.4@7.01)*	*(73.8@8.04)*
Fuel: ... HP hr/gal *(kWh/l)*	12.33 *(2.43)*	11.42 *(2.25)*	12.64 *(2.49)*
50% Load ... HP@mph	57.1@4.36	58.5@4.42	67.3@5.10
" " ... *(kW@km/h)*	*(42.6@7.02)*	*(43.6@7.11)*	*(50.2@8.22)*
Fuel: ... HP hr/gal *(kWh/l)*	9.85 *(1.94)*	10.20 *(2.01)*	10.81 *(2.13)*
50% Load ... HP@mph	57.0@4.35	58.7@4.43	67.7@5.12
" " ... *(kW@km/h)*	*(42.5@7.00)*	*(43.8@7.13)*	*(50.5@8.24)*
Reduced Eng RPM	1925	1929	1921
Fuel: ... HP hr/gal *(kWh/l)*	12.09 *(2.38)*	11.83 *(2.33)*	12.07 *(2.38)*
Max Pull: ... lbs@mph	10780@1.41	13915@1.40	12925@1.10
" " ... *(kN@km/h)*	*(47.9@2.26)*	*(61.9@2.25)*	*(57.5@1.77)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	76.0	75.0	76.0
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	7485 *(33.3)*	7485 *(33.3)*	11305 *(50.3)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	32.1 *(121.7)*	32.1 *(121.7)*	31.2 *(118.0)*

TRACTOR MODEL	MXM 175 Dsl (FWA)	MXM 190 Dsl (2WD)	MXM 190 Dsl (FWA)
Transmission	19 speed Pwrshift	19 speed Pwrshift	19 speed Pwrshift
NEBR SUM NO (Yr tested)	437 (2003)	439 (2003)	439 (2003)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.40x5.00	4.40x5.00	4.40x5.00
" " " ... *(mm)*	*(111.8x127.0)*	*(111.8x127.0)*	*(111.8x127.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	456 *(7480)*	456 *(7480)*	456 *(7480)*
Rated RPM	2200	2200	2200
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 540/65R30;**	2; 540/65R30;**	2; 540/65R30;**
rear	2; 650/65R42;**	2; 650/65R42;**	2; 650/65R42;**
Weight as tested ... lbs *(kg)*	15960 *(7240)*	17635 *(8000)*	17635 *(8000)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM ... HP	151.3@2200	163.6@2199	163.6@2199
" " " " " ... *(kW)*	*(112.8)@2200*	*(122.0)@2199*	*(122.0)@2199*
PTO RPM	1021	1021	1021
Fuel: Gal/hr *(l/h)*	9.49 *(35.93)*	10.12 *(38.32)*	10.12 *(38.32)*
Hp. hr/gal *(kWh/l)*	15.94 *(3.14)*	16.16 *(3.18)*	16.16 *(3.18)*
Max Pwr @ Std PTO RPM ... HP	154.2@1000	167.4@1000	167.4@1000
" " " " " " ... *(kW)*	*(115.0)@1000*	*(124.8)@1000*	*(124.8)@1000*
Eng RPM	2154	2153	2153
Fuel: Gal/hr *(l/h)*	9.44 *(35.73)*	10.20 *(38.60)*	10.20 *(38.60)*
Hp. hr/gal *(kWh/l)*	16.34 *(3.22)*	16.41 *(3.23)*	16.41 *(3.23)*
Maximum Torque rise % @ Engine RPM	41@1500	41@1505	41@1505
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	139.1@5.73	148.2@8.38	151.3@4.13
" *kW* " " ... *(km/h)*	*(103.7@9.21)*	*(110.5@13.48)*	*(112.8@6.65)*
100% Load ... HP@mph	123.6@4.83	131.4@4.65	137.6@4.85
" " ... *(kW@km/h)*	*(92.2@7.77)*	*(98.0@7.48)*	*(102.6@7.80)*
Fuel: ... HP hr/gal *(kWh/l)*	13.03 *(2.57)*	12.94 *(2.55)*	13.25 *(2.61)*
75% Load ... HP@mph	96.8@5.05	105.0@4.96	108.5@5.09
" " ... *(kW@km/h)*	*(72.2@8.12)*	*(78.3@7.98)*	*(80.9@8.19)*
Fuel: ... HP hr/gal *(kWh/l)*	11.52 *(2.27)*	13.31 *(2.62)*	12.39 *(2.44)*
50% Load ... HP@mph	66.1@5.15	71.9@5.07	73.5@5.17
" " ... *(kW@km/h)*	*(49.3@8.28)*	*(53.6@8.16)*	*(54.8@8.32)*
Fuel: ... HP hr/gal *(kWh/l)*	10.21 *(2.01)*	10.25 *(2.02)*	10.55 *(2.08)*
50% Load ... HP@mph	66.4@5.17	71.6@5.08	74.0@5.20
" " ... *(kW@km/h)*	*(49.5@8.32)*	*(53.4@8.17)*	*(55.2@8.37)*
Reduced Eng RPM	1921	1922	1922
Fuel: ... HP hr/gal *(kWh/l)*	12.07 *(2.38)*	12.79 *(2.52)*	12.74 *(2.51)*
Max Pull: ... lbs@mph	16455@1.10	12390@1.11	17465@1.32
" " ... *(kN@km/h)*	*(73.2@1.77)*	*(55.1@1.78)*	*(77.7@2.13)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	76.0	76.0	76.0
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	11305 *(50.3)*	11285 *(50.2)*	11285 *(50.2)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	31.2 *(118.0)*	30.9 *(117.0)*	30.9 *(117.0)*

CASE-IH

TRACTOR MODEL	MX 210 Dsl (Unbal-FWA)	MX 210 Dsl (Bal-FWA)	MX 230 Dsl (Unbal-FWA)
Transmission	18 speed Pwrshift	18 speed Pwrshift	18 speed Pwrshift
NEBR SUM NO (Yr tested)	413 (2003)	413 (2003)	414 (2003)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.488x5.315	4.488x5.315	4.488x5.315
" " " ... *(mm)*	*(114.0x135.0)*	*(114.0x135.0)*	*(114.0x135.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	505 *(8268)*	505 *(8268)*	505 *(8268)*
Rated RPM	2000	2000	2000
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 420/90R30;**	2; 420/90R30;**	2; 420/90R30;**
rear	2; 520/85R42;**	4; 520/85R42;**	2; 520/85R42;**
Weight as tested ... lbs *(kg)*	20370 *(9239)*	22705 *(10299)*	20275 *(9196)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM ... HP	172.54@2000	172.54@2000	192.02@2001
" " " " " ... *(kW)*	*(128.67)*@2000	*(128.67)*@2000	*(143.19)*@2001
PTO RPM	1003	1003	1003
Fuel: Gal/hr *(l/h)*	10.81 *(40.92)*	10.81 *(40.92)*	12.42 *(47.03)*
Hp. hr/gal *(kWh/l)*	15.96 *(3.14)*	15.96 *(3.14)*	15.46 *(3.04)*
Max Pwr @ Std PTO RPM ... HP	Same	Same	Same
" " " " " ... *(kW)*	as	as	as
Eng RPM	shown	shown	shown
Fuel: Gal/hr *(l/h)*	above	above	above
Hp. hr/gal *(kWh/l)*			
Maximum Torque rise % @ Engine RPM	53@1303	53@1303	54@1301
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	163.98@4.88	168.23@4.25	186.44@4.92
" *kW* " " ... *(km/h)*	*(122.28@7.86)*	*(125.45@6.84)*	*(139.03@7.92)*
100% Load ... HP@mph	145.12@4.36	*168.23@4.25	165.17@4.37
" " ... *(kW@km/h)*	*(108.21@7.02)*	*(125.45@6.84)*	*(123.17@7.04)*
Fuel: ... HP hr/gal *(kWh/l)*	13.38 *(2.64)*	*15.15 *(2.98)*	13.30 *(2.62)*
75% Load ... HP@mph	114.19@4.58	*1700 engine	130.94@4.61
" " ... *(kW@km/h)*	*(85.15@7.37)*	rpm	*(97.64@7.42)*
Fuel: ... HP hr/gal *(kWh/l)*	12.40 *(2.44)*	.....	12.27 *(2.42)*
50% Load ... HP@mph	78.05@4.69	.....	89.63@4.74
" " ... *(kW@km/h)*	*(58.20@7.55)*	.....	*(66.84@7.63)*
Fuel: ... HP hr/gal *(kWh/l)*	10.76 *(2.12)*	.....	11.00 *(2.17)*
50% Load ... HP@mph	78.46@4.72	.....	90.04@4.76
" " ... *(kW@km/h)*	*(58.50@7.59)*	.....	*(67.14@7.67)*
Reduced Eng RPM	1604	.....	1608
Fuel: ... HP hr/gal*(kWh/l)*	13.33 *(2.63)*	.....	13.83 *(2.72)*
Max Pull: ... lbs@mph	19579@2.57	22922@2.33	19628@2.69
" " ... *(kN@km/h)*	*(87.09@4.13)*	*(101.96@3.75)*	*(87.31@4.33)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	....	71.4	....
Bystander ... dB(A)	85.0	....	85.2
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	14070 *(62.6)*	14070 *(62.6)*	14070 *(62.6)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	38.6 *(146.1)*	38.6 *(146.1)*	38.6 *(146.1)*

TRACTOR MODEL	MX 230 Dsl (Bal-FWA)	MX 255 Dsl (Unbal-FWA)	MX 255 Dsl (Bal-FWA)
Transmission	18 speed Pwrshift	18 speed Pwrshift	18 speed Pwrshift
NEBR SUM NO (Yr tested)	414 (2003)	415 (2003)	415 (2003)
ENGINE			
Bore and Stroke ... in.	Turbo-Intr 4.488x5.315	Turbo-Intr 4.488x5.315	Turbo-Intr 4.488x5.315
" " " ... *(mm)*	*(114.0x135.0)*	*(114.0x135.0)*	*(114.0x135.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	505 *(8268)*	505 *(8268)*	505 *(8268)*
Rated RPM	2000	2000	2000
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS			
Type	Front Whl Assist	Front Whl Assist	Front Whl Assist
Tires: No., Size, Ply ... front	2; 420/90R30;**	2; 420/90R30;**	2; 420/90R30;**
rear	4; 520/85R42;**	2; 520/85R42;**	4; 520/85R42;**
Weight as tested ... lbs *(kg)*	25030 *(11353)*	21725 *(9854)*	28710 *(13023)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	192.02@2001	219.19@2000	219.19@2000
" " " " " " ... *(kW)*	*(143.19)*@2001	*(163.45)*@2000	*(163.45)*@2000
PTO RPM	1003	1003	1003
Fuel: Gal/hr *(l/h)*	12.42 *(47.03)*	12.47 *(47.20)*	12.47 *(47.20)*
Hp. hr/gal *(kWh/l)*	15.46 *(3.04)*	17.58 *(3.46)*	17.58 *(3.46)*
Max Pwr @ Std PTO RPM ..... HP	Same	Same	Same
" " " " " " .... *(kW)*	as	as	as
Eng RPM	shown	shown	shown
Fuel: Gal/hr *(l/h)*	above	above	above
Hp. hr/gal *(kWh/l)*			
Maximum Torque rise % @ Engine RPM	54@1301	52@1400	52@1400
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	*185.22@4.27*	211.68@5.38	215.40@4.12
" *kW* " " ... *(km/h)*	*(138.12@6.87)*	*(157.85@8.66)*	*(160.63@6.62)*
100% Load ... HP@mph	*185.22@4.27	187.68@4.27	*215.40@4.12
" " ... *(kW@km/h)*	*(138.12@6.87)*	*(139.95@6.87)*	*(160.63@6.62)*
Fuel: ... HP hr/gal *(kWh/l)*	*14.51 *(2.86)*	14.67 *(2.89)*	*15.94*(3.14)*
75% Load ... HP@mph	*1700 engine	149.45@4.56	*1650 engine
" " ... *(kW@km/h)*	rpm	*(111.44@7.33)*	rpm
Fuel: ... HP hr/gal *(kWh/l)*	.....	13.39 *(2.64)*	.....
50% Load ... HP@mph	.....	103.10@4.72	.....
" " ... *(kW@km/h)*	.....	*(76.88@7.59)*	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	11.92 *(2.35)*	.....
50% Load ... HP@mph	.....	103.47@4.73	.....
" " ... *(kW@km/h)*	.....	*(77.16@7.61)*	.....
Reduced Eng RPM	.....	1615	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	14.29 *(2.81)*	.....
Max Pull: ... lbs@mph	24409@2.39	21234@3.00	28070@2.34
" " ... *(kN@km/h)*	*(108.59@3.85)*	*(94.45@4.83)*	*(124.86@3.77)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	71.3	....	71.7
Bystander ... dB(A)	....	86.5	....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	14070 *(62.6)*	15183 *(67.5)*	15183 *(67.5)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	38.6 *(146.1)*	38.6 *(146.1)*	38.6 *(146.1)*

TRACTOR MODEL	MX 285 Dsl (Unbal-FWA)	MX 285 Dsl (Bal-FWA)
Transmission	18 speed Pwrshift	18 speed Pwrshift
NEBR SUM NO (Yr tested)	416 (2003)	416 (2003)
ENGINE	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.488x5.315	4.488x5.315
" " " ... *(mm)*	*(114.0x135.0)*	*(114.0x135.0)*
No. of Cylinders	6	6
Displacement ... cu in *(ml)*	505 *(8268)*	505 *(8268)*
Rated RPM	2000	2000
Compression Ratio	17.0 to 1	17.0 to 1
CHASSIS	Front	Front
Type	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 420/90R30; **	2; 420/90R30; **
rear	2; 520/85R42; **	4; 520/85R42; **
Weight as tested ... lbs *(kg)*	21805 *(9890)*	31500 *(14288)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	242.24@2000	242.24@2000
" " " " " " ... *(kW)*	*(180.64)*@2000	*(180.64)*@2000
PTO RPM	1003	1003
Fuel: Gal/hr *(l/h)*	13.60 *(51.50)*	13.60 *(51.50)*
Hp. hr/gal *(kWh/l)*	17.81 *(3.51)*	17.81 *(3.51)*
Max Pwr @ Std PTO RPM ... HP	Same	Same
" " " " " " .... *(kW)*	as	as
Eng RPM	shown	shown
Fuel: Gal/hr *(l/h)*	above	above
Hp. hr/gal *(kWh/l)*		
Maximum Torque rise		
% @ Engine RPM	48@1402	48@1402
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	234.72@5.51	236.98@4.19
" *kW* " " ... *(km/h)*	*(175.03@8.86)*	*(176.72@6.75)*
100% Load ... HP@mph	203.74@4.22	*236.98@4.19
" " ... *(kW@km/h)*	*(151.93@6.79)*	**(176.72@6.75)*
Fuel: ... HP hr/gal *(kWh/l)*	14.95 *(2.95)*	*16.04*(3.16)*
75% Load ... HP@mph	163.92@4.53	*1700 engine
" " ... *(kW@km/h)*	*(122.23@7.29)*	rpm
Fuel: ... HP hr/gal *(kWh/l)*	13.81 *(2.72)*	.....
50% Load ... HP@mph	113.45@4.71	.....
" " ... *(kW@km/h)*	*(84.60@7.58)*	.....
Fuel: ... HP hr/gal *(kWh/l)*	12.44 *(2.45)*	.....
50% Load ... HP@mph	113.82@4.72	.....
" " ... *(kW@km/h)*	*(84.88@7.60)*	.....
Reduced Eng RPM	1615	.....
Fuel: ... HP hr/gal*(kWh/l)*	14.45 *(2.85)*	.....
Max Pull: ... lbs@mph	20820@3.15	30057@2.30
" " ... *(kN@km/h)*	*(92.61@5.07)*	*(133.70@3.70)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ... dB(A)	....	72.0
Bystander ... dB(A)	87.7	....
THREE POINT LIFT		
Force available		
@ 24" *(610 mm)* ... lbs *(kN)*	16375 *(72.8)*	16375 *(72.8)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	39.0 *(147.6)*	39.0 *(147.6)*

TRACTOR MODEL Transmission	STX 275 Dsl 16 speed Pwrshift	STX 325 Dsl 16 speed Pwrshift	STX 375 Dsl 16 speed Pwrshift
NEBR SUM NO (Yr tested)	361 (2001)	362 (2001)	335 (2000)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.488x5.315	4.488x5.689	5.394x6.654
" " " ... *(mm)*	*(114.0x135.0)*	*(114.0 x 144.5)*	*(137.0x169.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	505 *(8268)*	540 *(8849)*	912 *(14945)*
Rated RPM	2000	2000	2000
Compression Ratio	17.1 to 1	16.5 to 1	16.5 to 1
CHASSIS			
Type	4 Whl Dr	4 Whl Dr	4 Whl Dr
Tires: No., Size, Ply ... front	4; 20.8R42; **	4; 20.8R42; **	4; 20.8R42; **
rear	4; 20.8R42; **	4; 20.8R42; **	4; 20.8R42; **
Weight as tested ... lbs *(kg)*	31960*(14497)*	32100*(14560)*	37785 *(17139)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	238.92@2000	291.80@2000	337.93@2000
" " " " " " ... *(kW)*	*(178.16)*@2000	*(217.60)*@2000	*(252.00)*@2000
PTO RPM	1001	1001	1001
Fuel: Gal/hr *(l/h)*	13.61 *(51.51)*	16.09 *(60.92)*	19.07 *(72.17)*
Hp. hr/gal *(kWh/l)*	17.56 *(3.46)*	18.13 *(3.57)*	17.73 *(3.49)*
Max Pwr @ Std PTO RPM ..... HP	Same	Same	Same
" " " " " " .... *(kW)*	as	as	as
Eng RPM	shown	shown	shown
Fuel: Gal/hr *(l/h)*	above	above	above
Hp. hr/gal *(kWh/l)*			
Maximum Torque rise			
% @ Engine RPM	52@1101	38@1351	49@1198
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	246.51@3.82	291.10@4.37	352.12@6.37
" *kW* " " ... *(km/h)*	*(183.82@6.14)*	*(217.07@7.04)*	*(262.58@10.24)*
100% Load ... HP@mph	211.57@4.26	260.37@4.90	313.95@4.93
" " ... *(kW@km/h)*	*(157.79@6.85)*	*(194.53@7.88)*	*(234.12@7.93)*
Fuel: ... HP hr/gal *(kWh/l)*	15.43 *(3.04)*	16.01 *(3.15)*	16.41 *(3.23)*
75% Load ... HP@mph	163.32@4.36	202.57@5.04	242.79@5.10
" " ... *(kW@km/h)*	*(121.79@7.02)*	*(151.13@8.11)*	*(181.05@8.21)*
Fuel: ... HP hr/gal *(kWh/l)*	14.24 *(2.80)*	15.08 *(2.97)*	14.86 *(2.93)*
50% Load ... HP@mph	111.01@4.44	137.19@5.11	165.03@5.20
" " ... *(kW@km/h)*	*(82.78@7.15)*	*(102.30@8.23)*	*(123.06@8.37)*
Fuel: ... HP hr/gal *(kWh/l)*	12.39 *(2.44)*	12.93 *(2.55)*	12.94 *(2.55)*
50% Load ... HP@mph	110.94@4.45	137.46@5.13	165.54@5.22
" " ... *(kW@km/h)*	*(82.73@7.16)*	*(102.50@8.25)*	*(123.44@8.39)*
Reduced Eng RPM	1502	1568	1574
Fuel: ... HP hr/gal*(kWh/l)*	14.28 *(2.81)*	15.03 *(2.96)*	17.08 *(3.36)*
Max Pull: ... lbs@mph	32944@2.33	32797@2.78	33658@1.95
" " ... *(kN@km/h)*	*(146.54@3.75)*	*(145.89@4.48)*	*(149.72@3.14)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	72.4	72.3	77.0
Bystander ... dB(A)	87.6	87.1	88.4
THREE POINT LIFT			
Force available			
@ 24" *(610 mm)* ... lbs *(kN)*	15678 *(69.7)*	15678 *(69.7)*	19620 *(87.3)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	40.9 *(154.8)*	40.9 *(154.8)*	40.9 *(154.8)*

CASE-IH

TRACTOR MODEL	STX 450 Dsl Quadtrac (Tested as STX 440 Quadtrac)	STX 450 Dsl (Tested as STX 440 Dsl) (Unballasted)	STX 450 Dsl (Tested as STX 440 Dsl) (Ballasted)
Transmission	16 speed Pwrshift	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	337 (2000)	336 (2000)	336 (2000)
ENGINE			
Bore and Stroke ... in.	Turbo-Intr	Turbo-Intr	Turbo-Intr
" " " ... *(mm)*	5.394x6.654 *(137.0x169.0)*	5.394x6.654 *(137.0x169.0)*	5.394x6.654 *(137.0x169.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	912 *(14945)*	912 *(14945)*	912 *(14945)*
Rated RPM	2000	2000	2000
Compression Ratio	16.5 to 1	16.5 to 1	16.5 to 1
CHASSIS			
Type	Crawler	4 Whl Dr	4 Whl Dr
Tires: No., Size, Ply ... front	Rubber	4; 20.8R42; **	4; 20.8R42; **
rear	tracked	4; 20.8R42; **	4; 20.8R42; **
Weight as tested ... lbs *(kg)*	51530 *(23373)*	39500 *(17917)*	44560 *(20212)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	399.14@1999	400.64@2000	400.64@2000
" " " " " " ... *(kW)*	*(297.64)*@1999	*(298.76)*@2000	*(298.76)*@2000
PTO RPM	1001	1001	1001
Fuel: Gal/hr *(l/h)*	22.03 *(83.39)*	22.12 *(83.73)*	22.12 *(83.73)*
Hp. hr/gal *(kWh/l)*	18.12 *(3.57)*	18.11 *(3.57)*	18.11 *(3.57)*
Max Pwr @ Std PTO RPM ..... HP	Same	Same	Same
" " " " " " .... *(kW)*	as	as	as
Eng RPM	shown	shown	shown
Fuel: Gal/hr *(l/h)*	above	above	above
Hp. hr/gal *(kWh/l)*			
Maximum Torque rise % @ Engine RPM	50@1099	51@1100	51@1100
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	386.04@5.47	416.01@8.16	414.84@8.20
" *kW* " " ... *(km/h)*	*(287.87@8.80)*	*(310.22@13.14)*	*(309.34@13.19)*
100% Load ... HP@mph	345.68@4.49	371.35@4.26	*414.84@8.20
" " ... *(kW@km/h)*	*(257.77@7.22)*	*(276.92@6.86)*	*(309.34@13.19)*
Fuel: ... HP hr/gal *(kWh/l)*	15.61 *(3.08)*	17.03 *(3.36)*	*18.08 *(3.56)*
75% Load ... HP@mph	270.24@4.69	288.92@4.43	*1700 engine
" " ... *(kW@km/h)*	*(201.52@7.55)*	*(215.45@7.13)*	rpm
Fuel: ... HP hr/gal *(kWh/l)*	14.61 *(2.88)*	15.58 *(3.07)*	.....
50% Load ... HP@mph	184.21@4.80	197.96@4.55	.....
" " ... *(kW@km/h)*	*(137.36@7.72)*	*(147.62@7.33)*	.....
Fuel: ... HP hr/gal *(kWh/l)*	12.48 *(2.46)*	13.73 *(2.70)*	.....
50% Load ... HP@mph	183.63@4.79	198.22@4.57	.....
" " ... *(kW@km/h)*	*(136.93@7.70)*	*(147.81@7.36)*	.....
Reduced Eng RPM	1505	1516	.....
Fuel: ... HP hr/gal *(kWh/l)*	16.04 *(3.16)*	17.67 *(3.48)*	.....
Max Pull: ... lbs@mph	38412@2.90	40035@2.87	44525@2.92
" " ... *(kN@km/h)*	*(170.86@4.67)*	*(178.08@4.63)*	*(198.06@4.70)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	76.0	78.2	.....
Bystander ... dB(A)	.....	89.4	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	19728 *(87.8)*	19620 *(87.3)*	19620 *(87.3)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	40.9 *(154.8)*	41.0 *(155.2)*	41.0 *(155.2)*

TRACTOR MODEL	MT 425 Dsl (2WD)	MT 425 Dsl (FWA)	MT 445B Dsl (2WD)
Transmission	16 speed Pwrshift	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	514 (2005)	514 (2005)	515 (2004)
ENGINE			Turbochgr
Bore and Stroke ... in.	4.134x5.00	4.134x5.00	4.134x5.00
" " " ... *(mm)*	*(105.0x127.0)*	*(105.0x127.0)*	*(105.0x127.0)*
No. of Cylinders	4	4	4
Displacement ... cu in *(ml)*	268 *(4400)*	268 *(4400)*	268 *(4400)*
Rated RPM	2200	2200	2200
Compression Ratio	19.3 to 1	19.3 to 1	17.5 to 1
CHASSIS		Front	
Type	Standard	Whl Assist	Standard
Tires: No., Size, Ply ... front	2; 7.50-16; 6	2; 14.9R24;**	2; 10.00-16; 8
rear	2; 18.4R34;**	2; 18.4R34;**	2; 480/70R38;**
Weight as tested ... lbs *(kg)*	8885 *(4030)*	9515 *(4315)*	8840 *(4010)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	61.0@2199	61.0@2199	70.7@2200
" " " " " " ... *(kW)*	*(45.5)@2199*	*(45.5)@2199*	*(52.7)@2200*
PTO RPM	1100	1100	1100
Fuel: Gal/hr *(l/h)*	4.02 *(15.21)*	4.02 *(15.21)*	4.99 *(18.88)*
Hp. hr/gal *(kWh/l)*	15.13 *(2.98)*	15.13 *(2.98)*	14.16 *(2.79)*
Max Pwr @ Std PTO RPM ..... HP	59.7@1000	59.7@1000	73.4@1000
" " " " " " .... *(kW)*	*(44.5)@1000*	*(44.5)@1000*	*(54.7)@1000*
Eng RPM	2000	2000	2000
Fuel: Gal/hr *(l/h)*	3.70 *(14.01)*	3.70 *(14.01)*	4.77 *(18.05)*
Hp. hr/gal *(kWh/l)*	16.13 *(3.18)*	16.13 *(3.18)*	15.40 *(3.03)*
Maximum Torque rise % @ Engine RPM	20@1349	20@1349	48@1303
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	50.8@6.07	50.2@3.13	62.6@4.90
" *kW* " " ... *(km/h)*	*(37.9@9.77)*	*(37.4@5.04)*	*(46.7@7.90)*
100% Load ... HP@mph	48.4@6.26	48.5@3.26	55.8@4.41
" " ... *(kW@km/h)*	*(36.1@10.08)*	*(36.2@5.24)*	*(41.6@7.10)*
Fuel: ... HP hr/gal *(kWh/l)*	12.54 *(2.47)*	12.33 *(2.43)*	12.64 *(2.49)*
75% Load ... HP@mph	37.5@6.44	38.0@3.38	43.2@4.52
" " ... *(kW@km/h)*	*(28.0@10.36)*	*(28.3@5.44)*	*(32.2@7.28)*
Fuel: ... HP hr/gal *(kWh/l)*	10.80 *(2.13)*	11.87 *(2.34)*	10.00 *(1.97)*
50% Load ... HP@mph	25.7@6.59	26.1@3.48	29.4@4.62
" " ... *(kW@km/h)*	*(19.2@10.61)*	*(19.5@5.60)*	*(21.9@7.43)*
Fuel: ... HP hr/gal *(kWh/l)*	8.27 *(1.63)*	8.78 *(1.73)*	8.05 *(1.59)*
50% Load ... HP@mph	25.5@6.51	26.3@3.51	29.1@4.58
" " ... *(kW@km/h)*	*(19.0@10.48)*	*(19.6@5.64)*	*(21.7@7.37)*
Reduced Eng RPM	1783	1831	2087
Fuel: ... HP hr/gal *(kWh/l)*	10.56 *(2.08)*	11.07 *(2.18)*	8.81 *(1.74)*
Max Pull: ... lbs@mph	6880@2.16	8385@2.05	7255@2.77
" " ... *(kN@km/h)*	*(30.6@3.48)*	*(37.3@3.30)*	*(32.3@4.45)*
MAXIMUM SOUND LEVEL	w/o cab	w/o cab	w/cab
At Operator's Ear ... dB(A)	91.1	91.1	77.3
Bystander ... dB(A)	86.9	....	88.2
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	7285 *(32.4)*	7285 *(32.4)*	7285 *(32.4)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	15.9 *(60.4)*	15.9 *(60.4)*	15.6 *(59.1)*

CHALLENGER

TRACTOR MODEL	MT 445B Dsl (FWA)	MT 455B Dsl (2WD)	MT 455B Dsl (FWA)
Transmission	16 speed Pwrshift	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	515 (2004)	516 (2004)	516 (2004)
ENGINE			
Bore and Stroke ... in.	Turbochgr 4.134x5.00	Turbochgr 4.134x5.00	Turbochgr 4.134x5.00
" " " ... *(mm)*	*(105.0x127.0)*	*(105.0x127.0)*	*(105.0x127.0)*
No. of Cylinders	4	4	4
Displacement ... cu in *(ml)*	268 *(4400)*	268 *(4400)*	268 *(4400)*
Rated RPM	2200	2200	2200
Compression Ratio	17.5 to 1	17.5 to 1	17.5 to 1
CHASSIS			
Type	Front Whl Assist	Standard	Front Whl Assist
Tires: No., Size, Ply ... front	2; 13.6R28; **	2; 10.00-16; 8	2; 14.9R28;**
rear	2; 480/70R38;**	2; 18.4R38;**	2; 18.4R38;**
Weight as tested ... lbs *(kg)*	9445 *(4285)*	8885 *(4030)*	9445 *(4285)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	70.7@2200	80.2@2200	80.2@2200
" " " " " " ... *(kW)*	*(52.7)*@2200	*(59.8)*@2200	*(59.8)*@2200
PTO RPM	1100	1100	1100
Fuel: Gal/hr *(l/h)*	4.99 *(18.88)*	5.22 *(19.75)*	5.22 *(19.75)*
Hp. hr/gal *(kW.h/l)*	14.16 *(2.79)*	15.37 *(3.03)*	15.37 *(3.03)*
Max Pwr @ Std PTO RPM ..... HP	73.4@1000	82.5@1000	82.5@1000
" " " " " " .... *(kW)*	*(54.7)*@1000	*(61.5)*@1000	*(61.5)*@1000
Eng RPM	2000	2000	2000
Fuel: Gal/hr *(l/h)*	4.77 *(18.05)*	4.94 *(16.69)*	4.94 *(16.69)*
Hp. hr/gal *(kW.h/l)*	15.40 *(3.03)*	16.69 *(3.29)*	16.69 *(3.29)*
Maximum Torque rise % @ Engine RPM	48@1303	41@1300	41@1300
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	65.7@5.13	67.1@5.30	68.3@5.50
" *kW* " " ... *(km/h)*	*(49.0@8.26)*	*(50.0@8.53)*	*(50.9@8.85)*
100% Load ... HP@mph	60.5@6.15	65.6@6.01	66.8@6.18
" " ... *(kW@km/h)*	*(45.1@9.89)*	*(48.9@9.67)*	*(49.8@9.95)*
Fuel: ... HP hr/gal *(kW.h/l)*	12.23 *(2.41)*	12.93 *(2.55)*	12.33 *(2.43)*
75% Load ... HP@mph	46.8@6.34	51.5@6.28	51.8@6.40
" " ... *(kW@km/h)*	*(34.9@10.20)*	*(38.4@10.10)*	*(38.6@10.30)*
Fuel: ... HP hr/gal *(kW.h/l)*	10.52 *(2.07)*	11.22 *(2.21)*	10.61 *(2.09)*
50% Load ... HP@mph	31.5@6.42	35.1@6.38	35.3@6.52
" " ... *(kW@km/h)*	*(23.5@10.33)*	*(26.2@10.26)*	*(26.3@10.50)*
Fuel: ... HP hr/gal *(kW.h/l)*	8.14 *(1.60)*	8.93 *(1.76)*	9.13 *(1.80)*
50% Load ... HP@mph	32.1@6.46	35.1@6.38	35.3@6.52
" " ... *(kW@km/h)*	*(23.9@10.40)*	*(26.2@10.26)*	*(26.3@10.50)*
Reduced Eng RPM	1797	1802	1804
Fuel: ... HP hr/gal *(kW.h/l)*	10.04 *(1.98)*	11.78 *(2.32)*	11.10 *(2.19)*
Max Pull: ... lbs@mph	8680@2.22	6835@3.37	8725@2.74
" " ... *(kN@km/h)*	*(38.6@3.58)*	*(30.4@5.42)*	*(38.8@4.42)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	77.3	75.2	75.2
Bystander ... dB(A)	. . . . .	88.3	. . . . .
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	7285 *(32.4)*	7285 *(32.4)*	7285 *(32.4)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	15.6 *(59.1)*	15.6 *(59.1)*	15.6 *(59.1)*

TRACTOR MODEL	MT 465B Dsl (2WD)	MT 465B Dsl (FWA)
Transmission	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	517 (2004)	517 (2004)
ENGINE		
Bore and Stroke ..... in.	Turbo-Intr 4.134x5.00	Turbo-Intr 4.134x5.00
" " " ..... *(mm)*	*(105.0x127.0)*	*(105.0x127.0)*
No. of Cylinders	4	4
Displacement ..... cu in *(ml)*	268 *(4400)*	268 *(4400)*
Rated RPM	2200	2200
Compression Ratio	17.5 to 1	17.5 to 1
CHASSIS		
Type	Standard	Standard
Tires: No., Size, Ply ..... front	2; 10.00-16; 8	2; 14.9R28;**
rear	2; 18.4R38;**	2; 18.4R38;**
Weight as tested ..... lbs *(kg)*	9350 *(4240)*	10150 *(4585)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	90.8@2202	90.8@2202
" " " " " " ..... *(kW)*	*(67.7)@2202*	*(67.7)@2202*
PTO RPM	1101	1101
Fuel: Gal/hr *(l/h)*	6.18 *(23.41)*	6.18 *(23.41)*
Hp. hr/gal *(kWh/l)*	14.68 *(2.89)*	14.68 *(2.89)*
Max Pwr @ Std PTO RPM ..... HP	96.2@1000	96.2@1000
" " " " " " .... *(kW)*	*(71.7)@1000*	*(71.7)@1000*
Eng RPM	2000	2000
Fuel: Gal/hr *(l/h)*	5.83 *(22.06)*	5.83 *(22.06)*
Hp. hr/gal *(kWh/l)*	16.50 *(3.25)*	16.50 *(3.25)*
Maximum Torque rise % @ Engine RPM	50@1373	50@1373
DRAWBAR PERFORMANCE		
Max HP (Short Term) ..... @mph	82.9@6.37	79.7@4.97
" *kW* " " ..... *(km/h)*	*(61.8@10.25)*	*(59.4@8.00)*
100% Load ..... HP@mph	77.4@7.90	73.0@6.20
" " ..... *(kW@km/h)*	*(57.7@12.72)*	*(54.4@9.98)*
Fuel: ..... HP hr/gal *(kWh/l)*	12.33 *(2.43)*	11.77 *(2.32)*
75% Load ..... HP@mph	60.2@8.15	56.7@6.43
" " ..... *(kW@km/h)*	*(44.9@13.12)*	*(42.3@10.42)*
Fuel: ..... HP hr/gal *(kWh/l)*	10.47 *(2.06)*	10.30 *(2.03)*
50% Load ..... HP@mph	40.9@8.31	38.5@6.56
" " ..... *(kW@km/h)*	*(30.5@13.38)*	*(28.7@10.56)*
Fuel: ..... HP hr/gal *(kWh/l)*	8.23 *(1.62)*	7.41 *(1.46)*
50% Load ..... HP@mph	41.4@8.31	38.2@6.57
" " ..... *(kW@km/h)*	*(30.9@13.38)*	*(28.5@10.58)*
Reduced Eng RPM	1905	1813
Fuel: ..... HP hr/gal*(kWh/l)*	10.71 *(2.11)*	9.99 *(1.97)*
Max Pull: ..... lbs@mph	6900@3.42	8385@3.14
" " ..... *(kN@km/h)*	*(30.7@5.51)*	*(37.3@5.05)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ..... dB(A)	79.5	79.4
Bystander ..... dB(A)	86.2	86.2
THREE POINT LIFT		
Force available @ 24" *(610 mm)* ..... lbs *(kN)*	7285 *(32.4)*	7285 *(32.4)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	16.6 *(63.0)*	16.6 *(63.0)*

CHALLENGER

TRACTOR MODEL	MT 525B Dsl (2WD)	MT 525B Dsl (FWA)	MT 525B Dsl
Transmission	32 speed Autopower IV	32 speed Autopower IV	CVT Techstar
NEBR SUM NO (Yr tested)	504 (2004)	504 (2004)	505 (2004)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ..... in.	3.937x5.0	3.937x5.0	3.937x5.00
" " " ..... *(mm)*	*(100.0x127.0)*	*(100.0x127.0)*	*(100.0x127.0)*
No. of Cylinders	6	6	6
Displacement ..... cu in *(ml)*	365 *(5985)*	365 *(5985)*	365 *(5985)*
Rated RPM	2200	2200	2200
Compression Ratio	17.5 to 1	17.5 to 1	17.5 to 1
CHASSIS		Front	Front
Type	Standard	Whl Assist	Whl Assist
Tires: No., Size, Ply ..... front	2; 14L-16.1;8	2; 14.9R28; **	2; 540/65R28;**
rear	2; 18.4R38; **	2; 18.4R38; **	2; 650/65R38;**
Weight as tested ..... lbs *(kg)*	11120 *(5045)*	12345 *(5600)*	15000 *(6805)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	96.7@2200	96.7@2200	96.7@2200
" " " " " " ..... *(kW)*	*(72.1)*@2200	*(72.1)*@2200	*(72.1)*@2200
PTO RPM	1100	1100	1081
Fuel: Gal/hr *(l/h)*	6.71 *(25.39)*	6.71 *(25.39)*	6.64 *(25.14)*
Hp. hr/gal *(kWh/l)*	14.42 *(2.84)*	14.42 *(2.84)*	14.57 *(2.87)*
Max Pwr @ Std PTO RPM ..... HP	109.2@1000	109.2@1000	102.5@1000
" " " " " " .... *(kW)*	*(81.4)*@1000	*(81.4)*@1000	*(76.4)*@1000
Eng RPM	2000	2000	2034
Fuel: Gal/hr *(l/h)*	6.65 *(25.18)*	6.65 *(25.18)*	6.52 *(24.69)*
Hp. hr/gal *(kWh/l)*	16.41 *(3.23)*	16.41 *(3.23)*	15.71 *(3.09)*
Maximum Torque rise % @ Engine RPM	54@1399	54@1399	47@1403
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	89.2@5.65	90.3@4.91	89.8@3.04
" *kW* " " ..... *(km/h)*	*(66.5@9.09)*	*(67.3@7.91)*	*(67.0@4.89)*
100% Load ..... HP@mph	55.9@4.59	60.2@5.98	81.8@3.86
" " ..... *(kW@km/h)*	*(41.7@7.39)*	*(44.9@9.62)*	*(61.0@6.21)*
Fuel: ..... HP hr/gal *(kWh/l)*	10.51 *(2.09)*	10.65 *(2.10)*	12.06 *(2.38)*
75% Load ..... HP@mph	42.5@4.68	45.7@6.05	62.8@3.96
" " ..... *(kW@km/h)*	*(31.7@7.53)*	*(34.1@9.73)*	*(46.8@6.37)*
Fuel: ..... HP hr/gal *(kWh/l)*	9.09 *(1.79)*	9.34 *(1.84)*	11.03 *(2.17)*
50% Load ..... HP@mph	29.0@4.76	31.0@6.12	42.8@4.05
" " ..... *(kW@km/h)*	*(21.6@7.67)*	*(23.1@9.85)*	*(31.9@6.51)*
Fuel: ..... HP hr/gal *(kWh/l)*	7.33 *(1.44)*	7.39 *(1.46)*	9.24 *(1.82)*
50% Load ..... HP@mph	29.2@4.80	31.1@6.10	42.8@4.06
" " ..... *(kW@km/h)*	*(21.8@7.72)*	*(23.2@9.82)*	*(31.9@6.53)*
Reduced Eng RPM	1923	1882	1887
Fuel: ..... HP hr/gal *(kWh/l)*	8.80 *(1.73)*	8.91 *(1.75)*	11.02 *(2.17)*
Max Pull: ..... lbs@mph	8025@2.11	10160@1.94	14310@2.02
" " ..... *(kN@km/h)*	*(35.7@3.39)*	*(45.2@3.13)*	*(63.68@3.25)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ..... dB(A)	71.0	71.0	70.4
Bystander ..... dB(A)	. . . . .	. . . . .	84.4
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ..... lbs *(kN)*	7215 *(32.1)*	7215 *(32.1)*	10915*(48.55)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	25.9 *(98.2)*	25.9 *(98.2)*	31.7 *(119.9)*

TRACTOR MODEL	MT 535B Dsl (2WD)	MT 535B Dsl (FWA)	MT 535B Dsl
Transmission	32 speed Autopower IV	32 speed Autopower IV	CVT Techstar
NEBR SUM NO (Yr tested)	506 (2004)	506 (2004)	507 (2004)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	3.937x5.00	3.937x5.00	3.937x5.00
" " " ... *(mm)*	*(100.0x127.0)*	*(100.0x127.0)*	*(100.0x127.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	365 *(5985)*	365 *(5985)*	365 *(5985)*
Rated RPM	2200	2200	2200
Compression Ratio	17.5 to 1	17.5 to 1	17.5 to 1
CHASSIS		Front	Front
Type	Standard	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 11.00-16; 8	2; 480/70R28;**	2; 540/65R28;**
rear	2; 580/70R38;**	2; 580/70R38;**	2; 650/65R38;**
Weight as tested ... lbs *(kg)*	13315 *(6040)*	13395 *(6075)*	15000 *(6805)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	105.9@2200	105.9@2200	106.7@2200
" " " " " ... *(kW)*	*(79.0)@2200*	*(79.0)@2200*	*(79.6)@2200*
PTO RPM	1100	1100	1081
Fuel: Gal/hr *(l/h)*	7.27 *(27.53)*	7.27 *(27.53)*	7.57 *(28.64)*
Hp. hr/gal *(kWh/l)*	14.57 *(2.87)*	14.57 *(2.87)*	14.57 *(2.87)*
Max Pwr @ Std PTO RPM ..... HP	112.9@999	112.9@999	114.5@1000
" " " " " .... *(kW)*	*(84.2)@999*	*(84.2)@999*	*(76.4)@1000*
Eng RPM	2000	2000	2034
Fuel: Gal/hr *(l/h)*	7.20 *(27.25)*	7.20 *(27.25)*	7.57 *(28.64)*
Hp. hr/gal *(kWh/l)*	15.68 *(3.09)*	15.68 *(3.09)*	15.13 *(2.98)*
Maximum Torque rise % @ Engine RPM	47@1402	47@1402	49@1350
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	104.5@6.66	105.5@5.81	103.8@8.76
" *kW* " " ... *(km/h)*	*(77.9@10.71)*	*(78.7@9.35)*	*(77.4@14.10)*
100% Load ... HP@mph	79.8@4.67	79.1@4.82	88.2@4.81
" " ... *(kW@km/h)*	*(59.5@7.52)*	*(59.0@7.76)*	*(65.8@7.74)*
Fuel: ... HP hr/gal *(kWh/l)*	11.22 *(2.21)*	11.38 *(2.34)*	11.83 *(2.33)*
75% Load ... HP@mph	61.2@4.79	60.3@4.90	67.1@4.89
" " ... *(kW@km/h)*	*(45.6@7.71)*	*(45.0@7.88)*	*(50.0@7.87)*
Fuel: ... HP hr/gal *(kWh/l)*	10.30 *(2.03)*	10.46 *(2.06)*	10.73 *(2.11)*
50% Load ... HP@mph	41.7@4.88	41.0@5.00	45.5@4.99
" " ... *(kW@km/h)*	*(31.1@7.85)*	*(30.6@8.05)*	*(33.9@8.03)*
Fuel: ... HP hr/gal *(kWh/l)*	8.38 *(1.65)*	8.78 *(1.73)*	8.89 *(1.75)*
50% Load ... HP@mph	42.0@4.89	40.9@4.98	45.6@4.99
" " ... *(kW@km/h)*	*(31.3@7.87)*	*(30.5@8.02)*	*(34.0@8.03)*
Reduced Eng RPM	1917	1907	2011
Fuel: ... HP hr/gal *(kWh/l)*	9.95 *(1.96)*	10.56 *(2.10)*	10.41 *(2.05)*
Max Pull: ... lbs@mph	9600@2.18	12345@1.98	15040@2.24
" " ... *(kN@km/h)*	*(42.7@3.51)*	*(54.9@3.18)*	*(66.90@3.60)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	71.0	71.0	70.4
Bystander ... dB(A)	. . . . .	. . . . .	84.4
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	8540 *(38.0)*	8540 *(38.0)*	10915 *(48.55)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	25.9 *(98.2)*	25.9 *(98.2)*	31.7 *(119.9)*

CHALLENGER

TRACTOR MODEL	MT 545B Dsl (2WD)	MT 545B Dsl (FWA)
Transmission	32 speed Autopower IV	32 speed Autopower IV
NEBR SUM NO (Yr tested)	508 (2004)	508 (2004)
ENGINE		
	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	3.937x5.00	3.937x5.00
" " " ... *(mm)*	*(100.0x127.0)*	*(100.0x127.0)*
No. of Cylinders	6	6
Displacement ... cu in *(ml)*	365 *(5985)*	365 *(5985)*
Rated RPM	2200	2200
Compression Ratio	17.5 to 1	17.5 to 1
CHASSIS		
Type	Standard	Front Whl Assist
Tires: No., Size, Ply ... front	2; 11.00-16; 8	2; 480/70R38;**
rear	2; 580/70R38;**	2; 580/70R38;**
Weight as tested ... lbs *(kg)*	13315 *(6040)*	13395 *(6075)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	115.7@2196	115.7@2196
" " " " " " ... *(kW)*	*(86.3)@2196*	*(86.3)@2196*
PTO RPM	1098	1098
Fuel: Gal/hr *(l/h)*	8.00 *(30.29)*	8.00 *(30.29)*
Hp. hr/gal *(kWh/l)*	14.47 *(2.85)*	14.47 *(2.85)*
Max Pwr @ Std PTO RPM ..... HP	122.7@999	122.7@999
" " " " " " .... *(kW)*	*(91.5)@999*	*(91.5)@999*
Eng RPM	1998	1998
Fuel: Gal/hr *(l/h)*	7.84 *(29.69)*	7.84 *(29.69)*
Hp. hr/gal *(kWh/l)*	15.64 *(3.08)*	15.64 *(3.08)*
Maximum Torque rise % @ Engine RPM	45@1243	45@1243
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	108.6@6.65	107.8@5.78
" *kW* " " ... *(km/h)*	*(81.0@10.70)*	*(80.4@9.31)*
100% Load ... HP@mph	98.0@8.25	100.2@7.24
" " ... *(kW@km/h)*	*(73.1@13.28)*	*(74.7@11.65)*
Fuel: ... HP hr/gal *(kWh/l)*	12.35 *(2.43)*	11.98 *(2.36)*
75% Load ... HP@mph	74.8@8.39	75.4@7.27
" " ... *(kW@km/h)*	*(55.8@13.50)*	*(56.2@11.70)*
Fuel: ... HP hr/gal *(kWh/l)*	11.23 *(2.21)*	11.42 *(2.25)*
50% Load ... HP@mph	50.7@8.56	51.5@7.41
" " ... *(kW@km/h)*	*(37.8@13.77)*	*(38.4@11.93)*
Fuel: ... HP hr/gal *(kWh/l)*	9.25 *(1.82)*	9.28 *(1.83)*
50% Load ... HP@mph	50.7@8.59	51.2@7.36
" " ... *(kW@km/h)*	*(37.8@13.82)*	*(38.2@11.85)*
Reduced Eng RPM	2055	1910
Fuel: ... HP hr/gal*(kWh/l)*	10.27*(2.02)*	10.26 *(2.02)*
Max Pull: ... lbs@mph	9610@2.84	12165@2.01
" " ... *(kN@km/h)*	*(42.8@4.58)*	*(54.1@3.23)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ... dB(A)	71.0	71.0
Bystander ... dB(A)	.....	.....
THREE POINT LIFT		
Force available @ 24" *(610 mm)* ... lbs *(kN)*	8540 *(38.0)*	8540 *(38.0)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	29.6 *(112.0)*	29.6 *(112.0)*

TRACTOR MODEL	MT 545B Dsl (Unbal)	MT 545B Dsl (Bal)
Transmission	CVT Techstar	CVT Techstar
NEBR SUM NO (Yr tested)	509 (2004)	509 (2004)
ENGINE	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	3.937x5.00	3.937x5.00
" " " ... *(mm)*	*(100.0x127.0)*	*(100.0x127.0)*
No. of Cylinders	6	6
Displacement ... cu in *(ml)*	365 *(5985)*	365 *(5985)*
Rated RPM	2200	2200
Compression Ratio	17.5 to 1	17.5 to 1
CHASSIS	Front Whl Assist	Front Whl Assist
Type		
Tires: No., Size, Ply ... front	2; 540/65R28;**	2; 16.9R28;**
rear	2; 650/65R38;**	4; 20.8R38;**
Weight as tested ... lbs *(kg)*	15000 *(6805)*	17230 *(7815)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	116.3@2201	116.3@2201
" " " " " ... *(kW)*	*(86.7)*@2201	*(86.7)*@2201
PTO RPM	1082	1082
Fuel: Gal/hr *(l/h)*	7.98*(30.20)*	7.98*(30.20)*
Hp. hr/gal *(kWh/l)*	14.57 *(2.87)*	14.57 *(2.87)*
Max Pwr @ Std PTO RPM ..... HP	124.6@1000	124.6@1000
" " " " " " .... *(kW)*	*(92.9)*@1000	*(92.9)*@1000
Eng RPM	2034	2034
Fuel: Gal/hr *(l/h)*	7.99 *(30.26)*	7.99 *(30.26)*
Hp. hr/gal *(kWh/l)*	15.58 *(3.07)*	15.58 *(3.07)*
Maximum Torque rise % @ Engine RPM	43@1346	43@1346
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	107.5@7.97	103.4@4.84
" *kW* " " ... *(km/h)*	*(80.2@12.83)*	*(77.1@7.79)*
100% Load ... HP@mph	100.4@4.60	95.1@4.87
" " ... *(kW@km/h)*	*(74.9@7.41)*	*(70.9@7.84)*
Fuel: ... HP hr/gal *(kWh/l)*	12.51 *(2.46)*	11.78 *(2.32)*
75% Load ... HP@mph	76.8@4.70	72.3@4.96
" " ... *(kW@km/h)*	*(57.3@7.57)*	*(53.9@7.98)*
Fuel: ... HP hr/gal *(kWh/l)*	11.55 *(2.27)*	10.80 *(2.13)*
50% Load ... HP@mph	52.0@4.80	48.9@5.05
" " ... *(kW@km/h)*	*(38.8@7.72)*	*(36.5@8.12)*
Fuel: ... HP hr/gal *(kWh/l)*	9.75 *(1.92)*	8.83 *(1.74)*
50% Load ... HP@mph	52.6@4.85	48.8@5.05
" " ... *(kW@km/h)*	*(39.2@7.81)*	*(36.4@8.13)*
Reduced Eng RPM ...	1833	1685
Fuel: ... HP hr/gal *(kWh/l)*	12.00 *(2.36)*	11.57 *(2.28)*
Max Pull: ... lbs@mph	14690@2.51	17075@2.00
" " ... *(kN@km/h)*	*(65.35@4.04)*	*(75.95@3.22)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ... dB(A)	70.4	. . . . .
Bystander ... dB(A)	84.4	. . . . .
THREE POINT LIFT		
Force available @ 24" *(610 mm)* ... lbs *(kN)*	10915*(48.55)*	10915*(48.55)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	31.7 *(119.9)*	31.7 *(119.9)*

CHALLENGER

TRACTOR MODEL	MT 565 Dsl (2WD)	MT 565 Dsl (FWA)	MT 635 Dsl (FWA)
Transmission	18 speed Pwrshift	18 speed Pwrshift	18 speed Pwrshift
NEBR SUM NO (Yr tested)	319A (1999)	319A (1999)	1781C (2000)
ENGINE			
Bore and Stroke in.	Turbo-Intr 4.251x4.724	Turbo-Intr 4.251x4.724	Turbo-Intr 4.251x5.276
" " " (mm)	*(108.0x120.0)*	*(108.0x120.0)*	*(108.0x134.0)*
No. of Cylinders	6	6	6
Displacement cu in *(ml)*	402 *(6596)*	402 *(6596)*	449 *(7365)*
Rated RPM	2200	2200	2200
Compression Ratio	16.5 to 1	16.5 to 1	16.5 to 1
CHASSIS			
Type	Standard	Front Whl Assist	Front Whl Assist
Tires: No., Size, Ply front	2; 14L-16.1;10	2; 16.9R30; **	2; 14.9R30; ***
rear	2; 20.8R42; **	2; 20.8R42; **	2; 18.4R42; **
Weight as tested lbs *(kg)*	15555 *(7055)*	16465 *(7470)*	18975 *(8607)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM HP	146.2@2196	146.2@2196	164.45@2200
" " " " " " *(kW)*	*(109.0)@2196*	*(109.0)@2196*	*(122.63)@2200*
PTO RPM	1050	1050	1052
Fuel: Gal/hr *(l/h)*	9.26 *(35.07)*	9.26 *(35.07)*	10.24 *(38.76)*
Hp. hr/gal *(kWh/l)*	15.79 *(3.11)*	15.79 *(3.11)*	16.06 *(3.16)*
Max Pwr @ Std PTO RPM HP	152.6@999	152.6@999	171.41@1000
" " " " " " *(kW)*	*(113.7)@999*	*(113.7)@999*	*(127.82)@1000*
Eng RPM	2090	2090	2092
Fuel: Gal/hr *(l/h)*	9.20 *(34.81)*	9.20 *(34.81)*	10.19 *(38.59)*
Hp. hr/gal *(kWh/l)*	16.59 *(3.27)*	16.59 *(3.27)*	16.82 *(3.31)*
Maximum Torque rise % @ Engine RPM	40@1400	40@1400	43@1350
DRAWBAR PERFORMANCE			
Max HP (Short Term) @mph	138.3@5.38	141.1@5.44	.....
" *kW* " " *(km/h)*	*(103.1@8.66)*	*(105.2@8.75)*	.....
100% Load HP@mph	138.3@5.38	141.1@5.44	.....
" " *(kW@km/h)*	*(103.1@8.66)*	*(105.2@8.75)*	.....
Fuel: HP hr/gal *(kWh/l)*	15.43 *(3.04)*	15.74 *(3.10)*	.....
75% Load HP@mph	100.4@6.28	107.3@6.34	.....
" " *(kW@km/h)*	*(74.9@10.10)*	*(80.0@10.20)*	.....
Fuel: HP hr/gal *(kWh/l)*	12.99 *(2.56)*	13.30 *(2.62)*	.....
50% Load HP@mph	69.0@6.48	73.1@6.52	.....
" " *(kW@km/h)*	*(51.4@10.43)*	*(54.5@10.49)*	.....
Fuel: HP hr/gal *(kWh/l)*	11.18 *(2.20)*	11.09 *(2.18)*	.....
50% Load HP@mph	69.3@6.52	69.3@6.52	.....
" " *(kW@km/h)*	*(51.7@10.50)*	*(51.7@10.50)*	.....
Reduced Eng RPM	2056	2056	.....
Fuel: HP hr/gal*(kWh/l)*	12.39 *(2.44)*	12.39 *(2.44)*	.....
Max Pull: lbs@mph	12915@1.76	13945@2.24	.....
" " *(kN@km/h)*	*(57.5@2.84)*	*(62.0@3.61)*	.....
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear dB(A)	74.0	74.0	73.8
Bystander dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* lbs *(kN)*	14760 *(65.7)*	14760 *(65.7)*	16101 *(71.6)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	30.2 *(114.3)*	30.2 *(114.3)*	29.7 *(112.4)*

TRACTOR MODEL	MT 645 Dsl	MT 655 Dsl	MT 665 Dsl
Transmission	18 speed Pwrshift	18 speed Pwrshift	18 speed Pwrshift
NEBR SUM NO (Yr tested)	1782C (2000)	320A (1998)	321A (1998)
ENGINE			
Bore and Stroke ... in.	Turbo-Intr	Turbo-Intr	Turbo-Intr
" " " ... *(mm)*	4.251x5.278 *(108.0x134.0)*	4.370x5.709 *(111.0x145.0)*	4.370x5.709 *(111.0x145.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	449 *(7365)*	513 *(8419)*	513 *(8419)*
Rated RPM	2200	2200	2200
Compression Ratio	16.5 to 1	16.5 to 1	16.0 to 1
CHASSIS			
Type	Front Whl Assist	Front Whl Assist	Front Whl Assist
Tires: No., Size, Ply ... front	2; 14.9R30;***	2; 600/70R28;**	2; 600/70R28;**
rear	2; 18.4R42;**	2; 650/85R38;**	2; 650/85R38;**
Weight as tested ... lbs *(kg)*	19020 *(8627)*	21760 *(9870)*	21705 *(9845)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	181.26@2200	205.4@2200	226.5@2200
" " " " " ... *(kW)*	*(135.16)*@2200	*(153.2)*@2200	*(168.9)*@2200
PTO RPM	1052	1052	1053
Fuel: Gal/hr *(l/h)*	11.29 *(42.73)*	13.09 *(49.56)*	14.43 *(54.64)*
Hp. hr/gal *(kWh/l)*	16.06 *(3.16)*	15.68 *(3.09)*	15.69 *(3.09)*
Max Pwr @ Std PTO RPM ..... HP	183.87@1000	212.3@1001	231.3@999
" " " " " " .... *(kW)*	*(137.11)*@1000	*(158.3)*@1001	*(172.5)*@999
Eng RPM	2091	2093	2087
Fuel: Gal/hr *(l/h)*	10.95 *(41.44)*	12.89 *(48.78)*	14.14 *(53.53)*
Hp. hr/gal *(kWh/l)*	16.80 *(3.31)*	16.47 *(3.24)*	16.35 *(3.22)*
Maximum Torque rise % @ Engine RPM	36@1300	45@1400	48@1306
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	.....	175.7@5.05	195.4@6.61
" *kW* " " ... *(km/h)*	.....	*(131.0@8.12)*	*(145.7@10.64)*
100% Load ... HP@mph	.....	165.1@5.90	183.0@4.51
" " ... *(kW@km/h)*	.....	*(123.1@9.49)*	*(136.5@7.25)*
Fuel: ... HP hr/gal *(kWh/l)*	.....	12.54 *(2.47)*	12.52 *(2.47)*
75% Load ... HP@mph	.....	127.9@6.08	143.2@5.72
" " ... *(kW@km/h)*	.....	*(95.4@9.78)*	*(106.8@7.59)*
Fuel: ... HP hr/gal *(kWh/l)*	.....	11.47 *(2.26)*	11.88 *(2.34)*
50% Load ... HP@mph	.....	86.8@6.20	97.6@4.87
" " ... *(kW@km/h)*	.....	*(64.8@9.97)*	*(72.8@7.83)*
Fuel: ... HP hr/gal *(kWh/l)*	.....	9.70 *(1.91)*	10.32 *(2.03)*
50% Load ... HP@mph	.....	87.4@6.24	98.0@4.87
" " ... *(kW@km/h)*	.....	*(65.1@10.04)*	*(73.1@7.84)*
Reduced Eng RPM	.....	2010	2045
Fuel: ... HP hr/gal *(kWh/l)*	.....	11.22 *(2.21)*	11.93 *(2.35)*
Max Pull: ... lbs@mph	.....	20765@2.88	20925@3.20
" " ... *(kN@km/h)*	.....	*(92.38@4.63)*	*(93.08@5.15)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	73.0	76.0	77.0
Bystander ... dB(A)	....	....	....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	19710*(87.7)*	19710*(87.7)*	19710*(87.7)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	29.5*(111.7)*	29.7*(112.4)*	29.7*(112.4)*

CHALLENGER

TRACTOR MODEL	MT 755B Dsl (Unbal)	MT 755B Dsl (Unbal)	MT 765B Dsl (Unbal)
Transmission	16 speed Pwrshift	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	486 (2005)	486 (2005)	478 (2005)
ENGINE			
Bore and Stroke ... in.	Turbo-Intr 4.409x5.866	Turbo-Intr 4.409x5.866	Turbo-Intr 4.409x5.866
" " " ... *(mm)*	*(112.0x149.0)*	*(112.0x149.0)*	*(112.0x149.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	537 *(8810)*	537 *(8810)*	537 *(8810)*
Rated RPM	2100	2100	2100
Compression Ratio	17.1 to 1	17.1 to 1	17.1 to 1
CHASSIS			
Type	Crawler Rubber Tracked	Crawler Rubber Tracked	Crawler Rubber Tracked
Tires: No., Size, Ply ... front			
rear			
Weight as tested ... lbs *(kg)*	30370 *(13776)*	31000 *(14061)*	31260 *(11479)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	245.61@2100	245.61@2100	265.78@2100
" " " " " ... *(kW)*	*(183.15)@2100*	*(183.15)@2100*	*(198.20)@2100*
PTO RPM	1061	1061	1060
Fuel: Gal/hr *(l/h)*	14.54 *(55.03)*	14.54 *(55.03)*	16.57 *(62.73)*
Hp. hr/gal *(kWh/l)*	16.90 *(3.33)*	16.90 *(3.33)*	16.04 *(3.16)*
Max Pwr @ Std PTO RPM ..... HP	277.64@1000	277.64@1000	294.81@1000
" " " " " " .... *(kW)*	*(207.04)@1000*	*(207.04)@1000*	*(219.84)@1000*
Eng RPM	1980	1980	1979
Fuel: Gal/hr *(l/h)*	15.86 *(60.04)*	15.86 *(60.04)*	17.09 *(64.66)*
Hp. hr/gal *(kWh/l)*	17.51 *(3.45)*	17.51 *(3.45)*	17.26 *(3.40)*
Maximum Torque rise % @ Engine RPM	68@1201	68@1201	54@1401
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	266.29@5.73	265.63@5.74	269.13@5.89
" *kW* " " ... *(km/h)*	*(198.57@9.21)*	*(198.08@9.24)*	*(200.69@9.49)*
100% Load ... HP@mph	213.58@4.41	*265.63@5.74	228.21@4.35
" " ... *(kW@km/h)*	*(159.27@7.09)*	*(198.08@9.24)*	*(170.17@7.00)*
Fuel: ... HP hr/gal *(kWh/l)*	14.80*(2.92)*	*15.89*(3.13)*	13.46*(2.65)*
75% Load ... HP@mph	169.09@4.66	*1700 engine rpm	181.54@4.64
" " ... *(kW@km/h)*	*(126.09@7.50)*		*(135.37@7.46)*
Fuel: ... HP hr/gal *(kWh/l)*	13.02*(2.56)*	.....	12.86*(2.53)*
50% Load ... HP@mph	113.39@4.69	.....	122.45@4.69
" " ... *(kW@km/h)*	*(84.56@7.56)*	.....	*(91.31@7.54)*
Fuel: ... HP hr/gal *(kWh/l)*	10.57*(2.08)*	.....	10.38*(2.03)*
50% Load ... HP@mph	113.97@4.71	.....	122.64@4.70
" " ... *(kW@km/h)*	*(84.99@7.59)*	.....	*(91.45@7.56)*
Reduced Eng RPM	1544	.....	1543
Fuel: ... HP hr/gal *(kWh/l)*	12.86*(2.53)*	.....	12.48*(2.46)*
Max Pull: ... lbs@mph	29422@2.39	30267@2.34	29028@2.40
" " ... *(kN@km/h)*	*(130.88@3.85)*	*(134.63@3.76)*	*(129.12@3.87)*
MAXIMUM SOUND LEVEL			
At Operator's Ear ... dB(A)	w/cab 75.7	w/cab 75.7	w/cab 74.0
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	17263*(76.8)*	17263*(76.8)*	17263*(76.8)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	44.5*(168.5)*	44.5*(168.5)*	44.0*(166.6)*

TRACTOR MODEL	MT 765B Dsl (Bal)	MT 835B Dsl (Unbal)	MT 835B Dsl (Bal)
Transmission	16 speed Pwrshift	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	478 (2005)	487 (2005)	487 (2005)
ENGINE			
Bore and Stroke ... in.	Turbo-Intr	Turbo-Intr	Turbo-Intr
" " " ... *(mm)*	4.409x5.866 *(112.0x149.0)*	5.402x6.752 *(137.2x171.5)*	5.402x6.752 *(137.2x171.5)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	537 *(8810)*	928 *(15213)*	928 *(15213)*
Rated RPM	2100	2100	2100
Compression Ratio	17.1 to 1	16.5 to 1	16.5 to 1
CHASSIS			
Type	Crawler	Crawler	Crawler
Tires: No., Size, Ply ... front	Rubber	Rubber	Rubber
rear	Tracked	Tracked	Tracked
Weight as tested ... lbs *(kg)*	36000 *(16329)*	43595 *(19774)*	50000 *(22679)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	265.78@2100	313.06@2100	313.06@2100
" " " " " ... *(kW)*	*(198.20)@2100*	*(233.45)@2100*	*(233.45)@2100*
PTO RPM	1060	1061	1061
Fuel: Gal/hr *(l/h)*	16.57 *(62.73)*	20.14 *(76.23)*	20.14 *(76.23)*
Hp. hr/gal *(kWh/l)*	16.04 *(3.16)*	15.55 *(3.06)*	15.55 *(3.06)*
Max Pwr @ Std PTO RPM ..... HP	294.81@1000	340.85@1000	340.85@1000
" " " " " " ... *(kW)*	*(219.84)@1000*	*(254.17)@1000*	*(254.17)@1000*
Eng RPM	1979	1979	1979
Fuel: Gal/hr *(l/h)*	17.09 *(64.66)*	21.05 *(79.69)*	21.05 *(79.69)*
Hp. hr/gal *(kWh/l)*	17.26 *(3.40)*	16.19 *(3.19)*	16.19 *(3.19)*
Maximum Torque rise % @ Engine RPM	54@1401	61@1250	61@1250
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	275.15@5.93	318.11@5.07	320.88@3.97
" *kW* " " ... *(km/h)*	*(205.18@9.54)*	*(237.21@8.15)*	*(239.28@6.39)*
100% Load ... HP@mph	*275.15@5.93	276.33@4.54	*320.88@3.97
" " ... *(kW@km/h)*	*(205.18@9.54)*	*(206.06@7.31)*	*(239.28@6.39)*
Fuel: ... HP hr/gal *(kWh/l)*	*15.59*(3.07)*	13.60*(2.68)*	*14.61*(2.88)*
75% Load ... HP@mph	*1750 engine rpm	217.51@4.79	*1850 engine rpm
" " ... *(kW@km/h)*		*(162.20@7.70)*	
Fuel: ... HP hr/gal *(kWh/l)*	.....	12.22*(2.41)*	.....
50% Load ... HP@mph	.....	145.75@4.81	.....
" " ... *(kW@km/h)*	.....	*(108.68@7.74)*	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	10.08*(1.99)*	.....
50% Load ... HP@mph	.....	145.83@4.82	.....
" " ... *(kW@km/h)*	.....	*(108.75@7.76)*	.....
Reduced Eng RPM	.....	1545	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	13.12*(2.58)*	.....
Max Pull: ... lbs@mph	34145@1.93	42531@2.00	48345@1.93
" " ... *(kN@km/h)*	*(151.89@3.10)*	*(189.19@3.23)*	*(215.05@3.11)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	.....	76.5	.....
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	17263*(76.8)*	20936*(93.1)*	20936*(93.1)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	44.0*(166.6)*	44.5*(168.5)*	44.5*(168.5)*

CHALLENGER

TRACTOR MODEL	MT 845B Dsl (Unbal)	MT 845B Dsl (Bal)	MT 855B Dsl (Unbal)
Transmission	16 speed Pwrshift	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	488 (2003)	488 (2003)	489 (2005)
ENGINE			
Bore and Stroke ... in.	Turbo-Intr 5.402x6.752	Turbo-Intr 5.402x6.752	Turbo-Intr 5.402x6.752
" " " ... *(mm)*	*(137.2x171.5)*	*(137.2x171.5)*	*(137.2x161.5)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	928 *(15213)*	928 *(15213)*	928 *(15213)*
Rated RPM	2100	2100	2100
Compression Ratio	16.5 to 1	16.5 to 1	15.8 to 1
CHASSIS			
Type	Crawler	Crawler	Crawler
Tires: No., Size, Ply ... front	Rubber	Rubber	Rubber
rear	Tracked	Tracked	Tracked
Weight as tested ... lbs *(kg)*	43075 *(19538)*	50000 *(22678)*	42515 *(19284)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	359.53@2100	359.53@2100	412.25@2100
" " " " " ... *(kW)*	*(268.10)*@2100	*(268.10)*@2100	*(307.42)*@2100
PTO RPM	1061	1061	1061
Fuel: Gal/hr *(l/h)*	23.26 *(88.05)*	23.26 *(88.05)*	24.53 *(92.86)*
Hp. hr/gal *(kWh/l)*	15.46 *(3.04)*	15.46 *(3.04)*	16.81 *(3.31)*
Max Pwr @ Std PTO RPM ..... HP	387.05@1000	387.05@1000	444.14@1000
" " " " " " .... *(kW)*	*(288.62)*@1000	*(288.62)*@1000	*(331.20)*@1000
Eng RPM	1979	1979	1980
Fuel: Gal/hr *(l/h)*	23.76 *(89.93)*	23.76 *(89.93)*	25.62 *(96.97)*
Hp. hr/gal *(kWh/l)*	16.29 *(3.21)*	16.29 *(3.21)*	17.34 *(3.42)*
Maximum Torque rise % @ Engine RPM	58@1300	58@1300	53@1449
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	350.80@6.27	355.32@4.93	406.36@5.87
" *kW* " " ... *(km/h)*	*(261.59@10.09)*	*(264.97@7.93)*	*(303.02@9.44)*
100% Load ... HP@mph	313.27@4.52	*355.32@4.93	358.14@4.45
" " ... *(kW@km/h)*	*(233.61@7.27)*	**(264.97@7.93)*	*(267.07@7.16)*
Fuel: ... HP hr/gal *(kWh/l)*	13.30*(2.62)*	*15.11*(2.98)*	14.98 *(2.95)*
75% Load ... HP@mph	249.58@4.77	*1800 engine	286.55@4.75
" " ... *(kW@km/h)*	*(186.11@7.68)*	rpm	*(213.68@7.65)*
Fuel: ... HP hr/gal *(kWh/l)*	12.26*(2.42)*	.....	12.92 *(2.54)*
50% Load ... HP@mph	167.37@4.79	.....	192.49@4.80
" " ... *(kW@km/h)*	*(124.80@7.71)*	.....	*(143.54@7.72)*
Fuel: ... HP hr/gal *(kWh/l)*	10.22*(2.01)*	.....	10.65 *(2.10)*
50% Load ... HP@mph	167.17@4.79	.....	192.34@4.82
" " ... *(kW@km/h)*	*(124.65@7.71)*	.....	*(143.43@7.75)*
Reduced Eng RPM	1538	.....	1546
Fuel: ... HP hr/gal*(kWh/l)*	13.34*(2.63)*	.....	13.87 *(2.73)*
Max Pull: ... lbs@mph	42532@2.45	48440@2.00	42402@2.54
" " ... *(kN@km/h)*	*(189.19@3.94)*	*(215.47@3.22)*	*(188.61@4.09)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	74.0	.....	76.5
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	20936*(93.1)*	20936*(93.1)*	20936*(93.1)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	44.5*(168.5)*	44.5*(168.5)*	44.5*(168.5)*

TRACTOR MODEL	MT 855B Dsl (Unbal)	MT 865B Dsl (Unbal)	MT 865B Dsl (Bal)
Transmission	16 speed Pwrshift	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	489 (2005)	479 (2005)	479 (2005)
ENGINE			
Bore and Stroke ... in.	Turbo-Intr 5.402x6.752	Turbo-Intr 5.709x7.205	Turbo-Intr 5.709x7.205
" " " ... *(mm)*	*(137.2x161.5)*	*(145.0x183.0)*	*(145.0x183.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	928 *(15213)*	1105 *(18130)*	1105 *(18130)*
Rated RPM	2100	2100	2100
Compression Ratio	15.8 to 1	16.5 to 1	16.5 to 1
CHASSIS			
Type	Crawler	Crawler	Crawler
Tires: No., Size, Ply ... front	Rubber	Rubber	Rubber
rear	Tracked	Tracked	Tracked
Weight as tested ... lbs *(kg)*	50000 *(22680)*	44305 *(20096)*	50000 *(22680)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	412.25@2100	455.61@2099	455.61@2099
" " " " " " ... *(kW)*	*(307.42)@2100*	*(339.75)@2099*	*(339.75)@2099*
PTO RPM	1061	1061	1061
Fuel: Gal/hr *(l/h)*	24.53 *(92.86)*	25.98 *(98.33)*	25.98 *(98.33)*
Hp. hr/gal *(kWh/l)*	16.81 *(3.31)*	17.54 *(3.46)*	17.54 *(3.46)*
Max Pwr @ Std PTO RPM ..... HP	444.14@1000	502.23@1000	502.23@1000
" " " " " " .... *(kW)*	*(331.20)@1000*	*(374.51)@1000*	*(374.51)@1000*
Eng RPM	1980	1980	1980
Fuel: Gal/hr *(l/h)*	25.62 *(96.97)*	27.56 *(104.34)*	27.56 *(104.34)*
Hp. hr/gal *(kWh/l)*	17.34 *(3.42)*	18.22 *(3.59)*	18.22 *(3.59)*
Maximum Torque rise % @ Engine RPM	53@1449	60@1251	60@1251
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	409.59@4.61	474.87@5.95	477.01@6.00
" *kW* " " ... *(km/h)*	*(305.43@7.41)*	*(354.11@9.57)*	*(355.70@9.66)*
100% Load ... HP@mph	*409.59@4.61	391.12@5.70	*477.01@6.00
" " ... *(kW@km/h)*	**(305.43@7.41)*	*(291.66@9.17)*	**(355.70@9.66)*
Fuel: ... HP hr/gal *(kWh/l)*	*16.09 *(3.17)*	15.09 *(2.97)*	*16.34 *(3.22)*
75% Load ... HP@mph	*1700 engine	311.86@6.02	*1750 engine
" " ... *(kW@km/h)*	rpm	*(232.55@9.69)*	rpm
Fuel: ... HP hr/gal *(kWh/l)*	.....	13.82 *(2.72)*	.....
50% Load ... HP@mph	.....	208.29@6.05	.....
" " ... *(kW@km/h)*	.....	*(155.32@9.74)*	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	11.56 *(2.28)*	.....
50% Load ... HP@mph	.....	207.02@6.02	.....
" " ... *(kW@km/h)*	.....	*(154.37@9.69)*	.....
Reduced Eng RPM	.....	1534	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	13.53 *(2.67)*	.....
Max Pull: ... lbs@mph	48922@2.44	42025@3.06	48508@2.42
" " ... *(kN@km/h)*	*(217.62@3.93)*	*(186.94@4.92)*	*(215.77@3.90)*
MAXIMUM SOUND LEVEL			
At Operator's Ear ... dB(A)	w/cab 76.5	w/cab 76.7	w/cab .....
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	20936*(93.1)*	20936*(93.1)*	20936*(93.1)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	44.5*(168.5)*	59.0*(223.3)*	59.0*(223.3)*

FENDT

TRACTOR MODEL Transmission	410 Dsl Vario	411 Dsl Vario	412 Dsl Vario
NEBR SUM NO (Yr tested)	410 (2002)	411 (2002)	412 (2002)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	3.858x4.961	3.858x4.961	3.858x4.961
" " " ... *(mm)*	*(98.0x126.0)*	*(98.0x126.0)*	*(98.0x126.0)*
No. of Cylinders	4	4	4
Displacement ... cu in *(ml)*	232 *(3802)*	232 *(3802)*	232 *(3802)*
Rated RPM	2100	2100	2100
Compression Ratio	18.0 to 1	18.0 to 1	18.0 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 540/65R24;**	2; 540/65R24;**	2; 540/65R24;**
rear	2; 600/65R38;**	2; 600/65R38;**	2; 600/65R38;**
Weight as tested ... lbs *(kg)*	12345 *(5600)*	12345 *(5600)*	12345 *(5600)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	85.4@2100	96.0@2100	107.3@2100
" " " " " " ... *(kW)*	*(63.7)@2100*	*(71.6)@2100*	*(80.0)@2100*
PTO RPM	1084	1084	1084
Fuel: Gal/hr *(l/h)*	5.07 *(19.20)*	5.76 *(21.82)*	6.30 *(23.83)l*
Hp. hr/gal *(kWh/l)*	16.83 *(3.31)*	16.65 *(3.28)*	17.05 *(3.36)*
Max Pwr @ Std PTO RPM ..... HP	94.7@1000	106.2@1000	114.7@1000
" " " " " " .... *(kW)*	*(70.6)@1000*	*(79.2)@1000*	*(85.5)@1000*
Eng RPM	1937	1937	1937
Fuel: Gal/hr *(l/h)*	5.25 *(19.86)*	6.03 *(22.83)*	6.44 *(24.39)*
Hp. hr/gal *(kWh/l)*	18.04 *(3.55)*	17.61 *(3.47)*	17.79 *(3.51)*
Maximum Torque rise			
% @ Engine RPM	56@1253	52@1201	51@1201
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	80.65@3.54	89.71@4.96	92.40@4.65
" *kW* " " ... *(km/h)*	*(60.14@5.70)*	*(66.90@7.98)*	*(68.90@7.49)*
100% Load ... HP@mph	70.26@4.28	81.16@4.66	85.15@4.50
" " ... *(kW@km/h)*	*(52.39@6.89)*	*(60.52@7.50)*	*(63.50@7.24)*
Fuel: ... HP hr/gal *(kWh/l)*	13.72 *(2.70)*	13.80 *(2.72)*	13.81 *(2.72)*
75% Load ... HP@mph	54.53@4.44	62.42@4.84	66.69@4.71
" " ... *(kW@km/h)*	*(40.66@7.14)*	*(46.55@7.79)*	*(49.73@7.57)*
Fuel: ... HP hr/gal *(kWh/l)*	12.59 *(2.48)*	12.77 *(2.51)*	13.10 *(2.58)*
50% Load ... HP@mph	37.24@4.55	43.21@4.98	45.82@4.83
" " ... *(kW@km/h)*	*(27.77@7.32)*	*(32.22@8.01)*	*(34.17@7.78)*
Fuel: ... HP hr/gal *(kWh/l)*	10.96 *(2.16)*	11.24 *(2.21)*	11.62 *(2.29)*
50% Load ... HP@mph	38.18@4.61	42.74@4.99	45.96@4.83
" " ... *(kW@km/h)*	*(28.47@7.42)*	*(31.87@8.04)*	*(34.27@7.78)*
Reduced Eng RPM	1858	1775	1718
Fuel: ... HP hr/gal*(kWh/l)*	12.27 *(2.42)*	12.89 *(2.54)*	13.50 *(2.66)*
Max Pull: ... lbs@mph	12730@2.04	13375@2.14	12370@2.30
" " ... *(kN@km/h)*	*(56.63@3.29)*	*(59.49@3.44)*	*(55.02@3.71)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	70.0	70.5	70.0
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available			
@ 24" *(610 mm)* ... lbs *(kN)*	8500 *(37.8)*	8500 *(37.8)*	8500 *(37.8)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	21.7 *(82.1)*	21.7 *(82.1)*	21.7 *(82.1)*

TRACTOR MODEL	712 Dsl	714 Dsl	716 Dsl
Transmission	Vario	Vario	Vario
NEBR SUM NO (Yr tested)	440 (2003)	441 (2003)	442 (2003)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	3.858x4.961	3.858x4.961	3.858x4.961
" " " ... *(mm)*	*(98.0x126.0)*	*(98.0x126.0)*	*(98.0x126.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	348 *(5702)*	348 *(5702)*	348 *(5702)*
Rated RPM	2100	2100	2100
Compression Ratio	18.0 to 1	18.0 to 1	18.0 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 540/65R28;**	2; 540/65R28;**	2; 540/65R28;**
rear	2; 650/65R38;**	2; 650/65R38;**	2; 650/65R38;**
Weight as tested ... lbs *(kg)*	14980 *(6795)*	14980 *(6795)*	14980 *(6795)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	110.0@2099	127.7@2100	141.5@2100
" " " " " " ... *(kW)*	*(82.0)*@2099	*(95.2)*@2100	*(105.5)*@2100
PTO RPM	1104	1103	1103
Fuel: Gal/hr *(l/h)*	6.95 *(26.29)*	7.95 *(30.09)*	8.84 *(33.47)*
Hp. hr/gal *(kWh/l)*	15.84 *(3.12)*	16.04 *(3.16)*	15.99 *(3.15)*
Max Pwr @ Std PTO RPM ..... HP	118.1@1000	132.9@1000	153.0@1000
" " " " " " .... *(kW)*	*(88.1)*@1000	*(99.1)*@1000	*(114.1)*@1000
Eng RPM	1903	1903	1903
Fuel: Gal/hr *(l/h)*	6.90 *(26.12)*	7.67 *(29.04)*	8.88 *(33.61)*
Hp. hr/gal *(kWh/l)*	17.11 *(3.37)*	17.32 *(3.41)*	17.24 *(3.40)*
Maximum Torque rise % @ Engine RPM	41@1499	41@1400	43@1404
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	99.4@4.44	113.4@4.69	130.4@6.82
" *kW* " " ... *(km/h)*	*(74.1@7.14)*	*(84.5@7.54)*	*(97.2@10.97)*
100% Load ... HP@mph	92.7@4.87	113.4@4.69	125.4@4.70
" " ... *(kW@km/h)*	*(69.1@7.83)*	*(84.5@7.54)*	*(93.5@7.57)*
Fuel: ... HP hr/gal *(kWh/l)*	12.74 *(2.51)*	13.81 *(2.72)*	13.76 *(2.71)*
75% Load ... HP@mph	70.8@4.99	87.3@4.82	97.0@4.86
" " ... *(kW@km/h)*	*(52.8@8.03)*	*(65.1@7.76)*	*(72.3@7.82)*
Fuel: ... HP hr/gal *(kWh/l)*	11.55 *(2.27)*	13.32 *(2.62)*	12.99 *(2.56)*
50% Load ... HP@mph	48.2@5.10	59.3@4.94	66.3@4.99
" " ... *(kW@km/h)*	*(35.9@8.20)*	*(44.2@7.95)*	*(49.4@8.03)*
Fuel: ... HP hr/gal *(kWh/l)*	9.72 *(1.91)*	11.57 *(2.28)*	11.67 *(2.30)*
50% Load ... HP@mph	48.0@5.11	59.1@4.95	66.2@4.99
" " ... *(kW@km/h)*	*(35.8@8.23)*	*(44.1@7.96)*	*(49.4@8.03)*
Reduced Eng RPM	1611	1560	1580
Fuel: ... HP hr/gal *(kWh/l)*	12.56 *(2.47)*	13.88 *(2.73)*	14.42 *(2.84)*
Max Pull: ... lbs@mph	15025@2.12	15215@2.62	15635@2.66
" " ... *(kN@km/h)*	*(66.84@3.41)*	*(67.69@4.22)*	*(69.55@4.28)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	72.0	72.0	77.0
Bystander ... dB(A)	. . . . .	. . . . .	. . . . .
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	12035 *(53.5)*	12035 *(53.5)*	12035 *(53.5)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	29.6 *(112.0)*	29.6 *(112.0)*	29.6 *(112.0)*

TRACTOR MODEL	815 Dsl	817 Dsl	818 Dsl
Transmission	Vario	Vario	Vario
NEBR SUM NO (Yr tested)	490 (2004)	491 (2004)	492 (2004)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	3.858x4.961	3.858x4.961	3.858x4.961
" " " ... *(mm)*	*(98.0x126.0)*	*(98.0x126.0)*	*(98.0x126.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	348 *(5702)*	348 *(5702)*	348 *(5702)*
Rated RPM	2100	2100	2100
Compression Ratio	18.0 to 1	18.0 to 1	18.0 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 540/65R30;**	2; 540/65R30;**	2; 540/65R30;**
rear	2; 650/65R42;**	2; 650/65R42;**	2; 650/65R42;**
Weight as tested ... lbs *(kg)*	16125 *(7315)*	16125 *(7315)*	16125 *(7315)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	132.8@2100	146.6@2100	161.3@2099
" " " " " " ... *(kW)*	*(99.0)*@2100	*(109.3)*@2100	*(120.3)*@2099
PTO RPM	1104	1104	1104
Fuel: Gal/hr *(l/h)*	8.52 *(32.27)*	9.25 *(35.00)*	10.28 *(38.90)*
Hp. hr/gal *(kW.h/l)*	15.58 *(3.07)*	15.84 *(3.12)*	15.69 *(3.09)*
Max Pwr @ Std PTO RPM ..... HP	148.0@1000	156.0@1000	169.2@1000
" " " " " " .... *(kW)*	*(110.4)*@1000	*(116.3)*@1000	*(126.2)*@1000
Eng RPM	1903	1903	1903
Fuel: Gal/hr *(l/h)*	8.75 *(33.12)*	9.23 *(34.93)*	10.17 *(38.49)*
Hp. hr/gal *(kW.h/l)*	16.92 *(3.33)*	16.90 *(3.33)*	16.64 *(3.28)*
Maximum Torque rise % @ Engine RPM	57@1299	52@1301	44@1400
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	125.9@4.73	134.2@4.74	147.4@7.74
" *kW* " " ... *(km/h)*	*(93.9@7.61)*	*(100.1@7.63)*	*(109.9@12.45)*
100% Load ... HP@mph	113.5@4.65	125.1@5.59	139.7@4.65
" " ... *(kW@km/h)*	*(84.6@7.48)*	*(93.3@9.00)*	*(104.2@7.49)*
Fuel: ... HP hr/gal *(kW.h/l)*	13.50 *(2.66)*	13.70 *(2.70)*	13.76 *(2.71)*
75% Load ... HP@mph	86.8@4.75	96.0@5.75	107.5@4.78
" " ... *(kW@km/h)*	*(64.7@7.65)*	*(71.5@9.25)*	*(80.2@7.70)*
Fuel: ... HP hr/gal *(kW.h/l)*	12.50 *(2.46)*	12.83 *(2.53)*	13.16 *(2.59)*
50% Load ... HP@mph	58.7@4.83	64.9@5.86	72.8@4.87
" " ... *(kW@km/h)*	*(43.8@7.78)*	*(48.4@9.43)*	*(54.3@7.84)*
Fuel: ... HP hr/gal *(kW.h/l)*	10.76 *(2.12)*	11.32 *(2.23)*	12.03 *(2.37)*
50% Load ... HP@mph	59.0@4.84	65.2@5.85	72.3@4.83
" " ... *(kW@km/h)*	*(44.0@7.79)*	*(48.6@9.42)*	*(44.0@7.79)*
Reduced Eng RPM	1482	1765	1475
Fuel: ... HP hr/gal*(kW.h/l)*	14.11 *(2.78)*	13.55 *(2.67)*	14.97 *(2.95)*
Max Pull: ... lbs@mph	16870@2.39	17150@2.53	17430@2.70
" " ... *(kN@km/h)*	*(75.04@3.85)*	*(76.29@4.07)*	*(77.53@4.35)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	76.0	76.0	76.0
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	13250 *(58.9)*	13250 *(58.9)*	13250 *(58.9)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	29.5 *(111.5)*	29.5 *(111.5)*	29.5 *(111.5)*

TRACTOR MODEL	918 Dsl	920 Dsl
Transmission	Vario	Vario
NEBR SUM NO (Yr tested)	388 (2001)	389 (2001)
ENGINE	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.252x4.921	4.252x4.921
" " " ... *(mm)*	*(108.0x125.0)*	*(108.0x125.0)*
No. of Cylinders	6	6
Displacement ... cu in *(ml)*	419 *(6871)*	419 *(6871)*
Rated RPM	2150	2150
Compression Ratio	17.0 to 1	17.0 to 1
CHASSIS	Front	Front
Type	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 14.9R38; **	2; 14.9R38; **
rear	2; 480/80R46;**	2; 480/80R46;**
Weight as tested ... lbs *(kg)*	19025 *(8630)*	19025 *(8630)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	167.1@2151	184.1@2151
" " " " " " ... *(kW)*	*(124.6)*@2151	*(137.3)*@2151
PTO RPM	1059	1059
Fuel: Gal/hr *(l/h)*	9.20 *(34.84)*	10.08 *(38.14)*
Hp. hr/gal *(kW.h/l)*	18.16 *(3.58)*	18.27 *(3.60)*
Max Pwr @ Std PTO RPM ..... HP	176.8@1000	189.9@1000
" " " " " " .... *(kW)*	*(131.3)*@1000	*(141.6)*@1000
Eng RPM	2031	2031
Fuel: Gal/hr *(l/h)*	9.44 *(35.73)*	10.08 *(38.17)*
Hp. hr/gal *(kW.h/l)*	18.64 *(3.67)*	18.82 *(3.71)*
Maximum Torque rise % @ Engine RPM	30@1499	31@1702
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	153.5@5.95	165.9@6.49
" *kW* " " ... *(km/h)*	*(114.5@9.57)*	*(123.7@10.44)*
100% Load ... HP@mph	140.8@4.83	155.4@4.63
" " ... *(kW@km/h)*	*(105.0@7.77)*	*(115.9@7.45)*
Fuel: ... HP hr/gal *(kW.h/l)*	15.22 *(3.00)*	15.23 *(3.00)*
75% Load ... HP@mph	110.8@5.06	122.8@4.91
" " ... *(kW@km/h)*	*(82.6@8.15)*	*(91.6@7.90)*
Fuel: ... HP hr/gal *(kW.h/l)*	14.16 *(2.79)*	14.54 *(2.87)*
50% Load ... HP@mph	75.4@5.19	84.8@5.06
" " ... *(kW@km/h)*	*(56.2@8.35)*	*(63.2@8.15)*
Fuel: ... HP hr/gal *(kW.h/l)*	12.18 *(2.40)*	12.87 *(2.54)*
50% Load ... HP@mph	75.9@5.21	84.9@5.09
" " ... *(kW@km/h)*	*(56.6@8.39)*	*(63.3@8.18)*
Reduced Eng RPM	1890	1825
Fuel: ... HP hr/gal*(kW.h/l)*	13.86 *(2.73)*	14.77 *(2.91)*
Max Pull: ... lbs@mph	19535@2.68	19210@2.88
" " ... *(kN@km/h)*	*(86.90@4.31)*	*(85.45@4.64)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ... dB(A)	73.0	72.0
Bystander ... dB(A)	. . . . .	. . . . .
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	16085 *(71.55)*	16085 *(71.55)*
HYDRAULIC FLOW Gal/min *(l/min)*	29.6 *(112.0)*	29.6 *(112.0)*

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TRACTOR MODEL	924 Dsl	926 Dsl
Transmission	Vario	Vario
NEBR SUM NO (Yr tested)	390 (2001)	391 (2001)
ENGINE	Turbo-Intr	Turbo-Intr
Bore and Stroke ..... in.	4.252x4.921	4.252x4.921
" " " ..... *(mm)*	*(108.0x125.0)*	*(108.0x125.0)*
No. of Cylinders	6	6
Displacement ..... cu in *(ml)*	419 *(6871)*	419 *(6871)*
Rated RPM	2250	2250
Compression Ratio	17.0 to 1	17.0 to 1
CHASSIS	Front	Front
Type	Whl Assist	Whl Assist
Tires: No., Size, Ply ..... front	2; 14.9R38; **	2; 14.9R38; **
rear	2; 480/80R46;**	2; 480/80R46;**
Weight as tested ..... lbs *(kg)*	19025 *(8630)*	19025 *(8630)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	205.2@2250	242.0@2250
" " " " " ..... *(kW)*	*(153.0)*@2250	*(180.5)*@2250
PTO RPM	1108	1108
Fuel: Gal/hr *(l/h)*	11.61*(43.96)*	13.49 *(51.07)*
Hp. hr/gal *(kWh/l)*	17.66 *(3.48)*	17.92 *(3.53)*
Max Pwr @ Std PTO RPM ..... HP	224.5@1000	263.6@1001
" " " " " " .... *(kW)*	*(167.4)*@1000	*(196.6)*@1001
Eng RPM	2031	2033
Fuel: Gal/hr *(l/h)*	11.87 *(44.94)*	14.01 *(53.04)*
Hp. hr/gal *(kWh/l)*	18.89 *(3.72)*	18.81 *(3.71)*
Maximum Torque rise % @ Engine RPM	37@1499	52@1405
DRAWBAR PERFORMANCE		
Max HP (Short Term) ..... @mph	189.5@4.69	216.0@8.32
" *kW* " " ..... *(km/h)*	*(141.3@7.55)*	*(161.1@13.38)*
100% Load ..... HP@mph	172.7@5.46	192.0@4.68
" " ..... *(kW@km/h)*	*(128.8@8.79)*	*(143.2@7.53)*
Fuel: ..... HP hr/gal *(kWh/l)*	14.64 *(2.89)*	13.96 *(2.75)*
75% Load ..... HP@mph	136.9@5.78	153.6@5.02
" " ..... *(kW@km/h)*	*(102.1@9.30)*	*(114.5@8.09)*
Fuel: ..... HP hr/gal *(kWh/l)*	13.67 *(2.69)*	13.68 *(2.70)*
50% Load ..... HP@mph	94.5@5.95	107.2@5.26
" " ..... *(kW@km/h)*	*(70.5@9.59)*	*(79.9@8.46)*
Fuel: ..... HP hr/gal *(kWh/l)*	12.31 *(2.43)*	12.54 *(2.47)*
50% Load ..... HP@mph	95.3@5.96	107.5@5.27
" " ..... *(kW@km/h)*	*(71.1@9.60)*	*(80.2@8.48)*
Reduced Eng RPM	1989	1976
Fuel: ..... HP hr/gal*(kWh/l)*	14.44 *(2.85)*	14.82*(2.92)*
Max Pull: ..... lbs@mph	19625@3.19	19485@2.94
" " ..... *(kN@km/h)*	*(87.30@5.14)*	*(86.68@4.73)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ..... dB(A)	73.0	73.5
Bystander ..... dB(A)	.....	.....
THREE POINT LIFT		
Force available @ 24" *(610 mm)* ..... lbs *(kN)*	16085 *(71.55)*	16085 *(71.55)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	30.9 *(116.8)*	30.9 *(116.8)*

TRACTOR MODEL Transmission	4320 Dsl Hydro	4520 Dsl Hydro	4720 Dsl Hydro
NEBR SUM NO (Yr tested)	1853 (2005)	1854 (2005)	1855 (2005)
ENGINE			
Bore and Stroke ... in.	3.386x4.134	3.386x4.134	3.386x4.134
" " " ... *(mm)*	*(86.0x105.0)*	*(86.0x105.0)*	*(86.0x105.0)*
No. of Cylinders	4	4	4
Displacement ... cu in *(ml)*	149 *(2440)*	149 *(2440)*	149 *(2440)*
Rated RPM	2400	2400	2400
Compression Ratio	20.5 to 1	20.5 to 1	20.5 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 10-16.5; 6	2; 10-16.5; 6	2; 10-16.5; 6
rear	2; 17.5L-24; 8	2; 17.5L-24; 8	2; 17.5L-24; 8
Weight as tested ... lbs *(kg)*	4025 *(1826)*	4030 *(1828)*	4035 *(1830)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	41.58@2399	46.58@2398	51.77@2402
" " " " " ... *(kW)*	*(31.01)*@2399	*(34.73)*@2398	*(38.60)*@2402
PTO RPM	541	540	541
Fuel: Gal/hr *(l/h)*	2.87 *(10.85)*	3.00 *(11.37)*	3.29 *(12.47)*
Hp. hr/gal *(kWh/l)*	14.51 *(2.86)*	15.51 *(3.06)*	15.72 *(3.10)*
Max Pwr @ Std PTO RPM ..... HP			
" " " " " " .... *(kW)*	Same	Same	Same
Eng RPM	as	as	as
Fuel: Gal/hr *(l/h)*	shown	shown	shown
Hp. hr/gal *(kWh/l)*	above	above	above
Maximum Torque rise			
% @ Engine RPM	33@1597	32@1500	24@1550
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	.....	.....	.....
" *kW* " " ... *(km/h)*	.....	.....	.....
100% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
75% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Reduced Eng RPM	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
Max Pull: ... lbs@mph	.....	.....	.....
" " ... *(kN@km/h)*	.....	.....	.....
MAXIMUM SOUND LEVEL	w/o cab	w/o cab	w/o cab
At Operator's Ear ... dB(A)	86.1	86.1	86.2
Bystander ... dB(A)	78.5	77.5	78.4
THREE POINT LIFT			
Force available			
@ 24" *(610 mm)* ... lbs *(kN)*	2523 *(11.2)*	2523 *(11.2)*	2523 *(11.2)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	10.6 *(40.1)*	10.8 *(40.9)*	10.6 *(40.1)*

JOHN DEERE

TRACTOR MODEL	5105 Dsl	5205 Dsl	5225 Dsl
Transmission	8 speed	8 speed	9 speed
NEBR SUM NO (Yr tested)	1838 (2004)	1839 (2004)	1866 (2005)
ENGINE			Turbochgr
Bore and Stroke ... in.	4.19x4.33	4.19x4.33	3.385x4.134
" " " ... *(mm)*	*(106.4x110.0)*	*(106.4x110.0)*	*(86.0x105.0)*
No. of Cylinders	3	3	5
Displacement ... cu in *(ml)*	179 *(2934)*	179 *(2934)*	186 *(3050)*
Rated RPM	2300	2300	2400
Compression Ratio	17.4 to 1	17.4 to 1	20.5 to 1
CHASSIS		Front	Front
Type	Standard	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 7.50-16; 6	2; 9.5-24; 6	2; 9.5-24; 6
rear	2; 16.9-28; 6	2; 16.9-28; 6	2; 14.9-28; 6
Weight as tested ... lbs *(kg)*	4300 *(1950)*	4940 *(2241)*	5825 *(2642)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	45.85@2300	51.97@2298	46.20@2399
" " " " " ... *(kW)*	*(34.19)*@2300	*(38.76)*@2298	*(34.45)*@2399
PTO RPM	564	564	537
Fuel: Gal/hr *(l/h)*	2.76 *(10.43)*	3.16 *(11.96)*	3.35 *(12.68)*
Hp. hr/gal *(kWh/l)*	16.64 *(3.28)*	16.45 *(3.24)*	13.79 *(2.72)*
Max Pwr @ Std PTO RPM ..... HP	47.15@540	50.71@540	
" " " " " " ... *(kW)*	*(35.16)*@540	*(37.81)*@540	Same
Eng RPM	2199	2201	as
Fuel: Gal/hr *(l/h)*	2.78 *(10.54)*	3.08 *(11.66)*	shown
Hp. hr/gal *(kWh/l)*	16.93 *(3.34)*	16.46 *(3.24)*	above
Maximum Torque rise % @ Engine RPM	26@1456	19@1545	55@1349
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	.....	.....	.....
" *kW* " " ... *(km/h)*	.....	.....	.....
100% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
75% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Reduced Eng RPM	.....	.....	.....
Fuel: ... HP hr/gal*(kWh/l)*	.....	.....	.....
Max Pull: ... lbs@mph	.....	.....	.....
" " ... *(kN@km/h)*	.....	.....	.....
MAXIMUM SOUND LEVEL	w/o cab	w/o cab	w/o cab
At Operator's Ear ... dB(A)	89.6	89.7	91.0
Bystander ... dB(A)	81.4	83.4	80.8
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	3173 *(14.1)*	3173 *(14.1)*	3213 *(14.3)*
HYDRAULIC FLOW Gal/min *(l/min)*	11.6 *(43.9)*	11.8 *(44.7)*	13.9 *(52.6)*

TRACTOR MODEL	5325 Dsl	5425 Dsl	5525 Dsl
Transmission	9 speed	12 speed	12 speed
NEBR SUM NO (Yr tested)	1867 (2005)	1868 (2005)	1869 (2005)
ENGINE	Turbochgr	Turbochgr	Turbochgr
Bore and Stroke ... in.	3.385x4.134	4.19x5.00	4.19x5.00
" " " ... *(mm)*	*(86.0x105.0)*	*(106.4x127.0)*	*(106.4x127.0)*
No. of Cylinders	5	4	4
Displacement ... cu in *(ml)*	186 *(3050)*	276 *(4517)*	276 *(4517)*
Rated RPM	2400	2400	2400
Compression Ratio	20.5 to 1	17.6 to 1	17.6 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 11.2-24; 8	2; 11.2-24; 8	2; 12.4-24; 6
rear	2; 16.9-30; 6	2; 420/90R30;**	2; 18.4R30; **
Weight as tested ... lbs *(kg)*	6935 *(3146)*	6920 *(3139)*	7610 *(3452)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	56.16@2400	66.25@2401	76.01@2401
" " " " " " ... *(kW)*	*(41.88)*@2400	*(49.41)*@2401	*(56.68)*@2401
PTO RPM	538	537	537
Fuel: Gal/hr *(l/h)*	3.96 *(14.99)*	4.68 *(17.73)*	5.38 *(20.36)*
Hp. hr/gal *(kWh/l)*	14.18 *(2.79)*	14.15 *(2.79)*	14.13 *(2.78)*
Max Pwr @ Std PTO RPM ..... HP			
" " " " " " .... *(kW)*	Same	Same	Same
Eng RPM	as	as	as
Fuel: Gal/hr *(l/h)*	shown	shown	shown
Hp. hr/gal *(kWh/l)*	above	above	above
Maximum Torque rise			
% @ Engine RPM	46@1446	43@1497	37@1401
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	.....	.....	.....
" *kW* " " ... *(km/h)*	.....	.....	.....
100% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
75% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Reduced Eng RPM	.....	.....	.....
Fuel: ... HP hr/gal*(kWh/l)*	.....	.....	.....
Max Pull: ... lbs@mph	.....	.....	.....
" " ... *(kN@km/h)*	.....	.....	.....
MAXIMUM SOUND LEVEL	w/cab	w/o cab	w/cab
At Operator's Ear ... dB(A)	78.8	90.1	85.8
Bystander ... dB(A)	81.0	83.0	83.3
THREE POINT LIFT			
Force available			
@ 24" *(610 mm)* ... lbs *(kN)*	3213 *(14.3)*	3213 *(14.3)*	3213 *(14.3)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	14.1 *(53.4)*	18.7 *(70.8)*	18.6 *(70.4)*

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TRACTOR MODEL	6403 Dsl (Bal-2WD)	6403 Dsl (Unbal-FWA)	6403 Dsl (Bal-FWA)
Transmission	9 speed	9 speed	9 speed
NEBR SUM NO (Yr tested)	374 (2002)	374 (2002)	374 (2002)
ENGINE	Turbochgr	Turbochgr	Turbochgr
Bore and Stroke ..... in.	4.19x5.00	4.19x5.00	4.19x5.00
" " " ..... *(mm)*	*(106.5x127.0)*	*(106.5x127.0)*	*(106.5x127.0)*
No. of Cylinders	4	4	4
Displacement ..... cu in *(ml)*	276 *(4525)*	276 *(4525)*	276 *(4525)*
Rated RPM	2100	2100	2100
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front Whl Assist	Front Whl Assist	Front Whl Assist
Type			
Tires: No., Size, Ply ..... front	2; 13.6-24; 8	2; 13.6-24; 8	2; 13.6-24; 8
rear	2; 18.4-34; 8	2; 18.4-34; 8	2; 18.4-34; 8
Weight as tested ..... lbs *(kg)*	11515 *(5223)*	8925 *(4048)*	11515 *(5223)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	86.77@2100	86.77@2100	86.77@2100
" " " " " " ..... *(kW)*	*(64.70)*@2100	*(64.70)*@2100	*(64.70)*@2100
PTO RPM	1016	1016	1016
Fuel: Gal/hr *(l/h)*	5.13 *(19.44)*	5.13 *(19.44)*	5.13 *(19.44)*
Hp. hr/gal *(kW.h/l)*	16.90 *(3.33)*	16.90 *(3.33)*	16.90 *(3.33)*
Max Pwr @ Std PTO RPM ..... HP	88.09@1000	88.09@1000	88.09@1000
" " " " " " .... *(kW)*	*(65.69)*@1000	*(65.69)*@1000	*(65.69)*@1000
Eng RPM	2066	2066	2066
Fuel: Gal/hr *(l/h)*	5.17 *(19.55)*	5.17 *(19.55)*	5.17 *(19.55)*
Hp. hr/gal *(kW.h/l)*	17.05 *(3.36)*	17.05 *(3.36)*	17.05 *(3.36)*
Maximum Torque rise % @ Engine RPM	22@1648	22@1648	22@1648
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	70.78@5.81	75.16@5.45	74.11@4.34
" *kW* " " ..... *(km/h)*	*(52.78@9.34)*	*(56.05@8.76)*	*(55.26@6.98)*
100% Load ..... HP@mph	69.44@4.49	72.87@4.76	*74.11@4.34
" " ..... *(kW@km/h)*	*(51.78@7.22)*	*(54.34@7.67)*	**(55.26@6.98)*
Fuel: ..... HP hr/gal *(kW.h/l)*	13.45 *(2.65)*	14.06 *(2.77)*	*14.70 *(2.89)*
75% Load ..... HP@mph	56.45@4.87	58.89@5.13	*1900 engine
" " ..... *(kW@km/h)*	*(42.10@7.83)*	*(43.91@8.25)*	rpm
Fuel: ..... HP hr/gal *(kW.h/l)*	12.75 *(2.51)*	13.17 *(2.59)*	.....
50% Load ..... HP@mph	39.86@5.14	41.14@5.37	.....
" " ..... *(kW@km/h)*	*(29.72@8.27)*	*(30.68@8.64)*	.....
Fuel: ..... HP hr/gal *(kW.h/l)*	11.72 *(2.31)*	12.00*(2.36)*	.....
50% Load ..... HP@mph	39.84@5.18	41.15@5.37	.....
" " ..... *(kW@km/h)*	*(29.71@8.33)*	*(30.69@8.64)*	.....
Reduced Eng RPM	1801	1798	.....
Fuel: ..... HP hr/gal*(kW.h/l)*	13.24 *(2.61)*	13.70 *(2.70)*	.....
Max Pull: ..... lbs@mph	6357@3.31	7636@3.34	9273@2.68
" " ..... *(kN@km/h)*	*(28.28@5.32)*	*(33.97@5.37)*	*(41.25@4.31)*
MAXIMUM SOUND LEVEL	w/o cab	w/o cab	w/o cab
At Operator's Ear ..... dB(A)	94.1	94.0	.....
Bystander ..... dB(A)	83.8	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ..... lbs *(kN)*	4878 *(21.7)*	4878 *(21.7)*	4878 *(21.7)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	13.4 *(50.7)*	13.4 *(50.7)*	13.4 *(50.7)*

TRACTOR MODEL	6603 Dsl (Bal-2WD)	6603 Dsl (Unbal-FWA)	6603 Dsl (Bal-FWA)
Transmission	9 speed	9 speed	9 speed
NEBR SUM NO (Yr tested)	375 (2002)	375 (2002)	375 (2002)
ENGINE	Turbochgr	Turbochgr	Turbochgr
Bore and Stroke ... in.	4.19x5.00	4.19x5.00	4.19x5.00
" " " ... *(mm)*	*(106.5x127.0)*	*(106.5x127.0)*	*(106.5x127.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	414 *(6788)*	414 *(6788)*	414 *(6788)*
Rated RPM	2100	2100	2100
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 14.9-24; 6	2; 14.9-24; 6	2; 14.9-24; 6
rear	2; 18.4-38; 8	2; 18.4-38; 8	2; 18.4-38; 8
Weight as tested ... lbs *(kg)*	12105 *(5491)*	9580 *(4345)*	12105 *(5491)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	97.02@2100	97.02@2100	97.02@2100
" " " " " ... *(kW)*	*(72.35)*@2100	*(72.35)*@2100	*(72.35)*@2100
PTO RPM	1016	1016	1016
Fuel: Gal/hr *(l/h)*	5.67 *(21.47)*	5.67 *(21.47)*	5.67 *(21.47)*
Hp. hr/gal *(kWh/l)*	17.11 *(3.37)*	17.11 *(3.37)*	17.11 *(3.37)*
Max Pwr @ Std PTO RPM ..... HP	98.37@1000	98.37@1000	98.37@1000
" " " " " " .... *(kW)*	*(73.35)*@1000	*(73.35)*@1000	*(73.35)*@1000
Eng RPM	2066	2066	2066
Fuel: Gal/hr *(l/h)*	5.67 *(21.47)*	5.67 *(21.47)*	5.67 *(21.47)*
Hp. hr/gal *(kWh/l)*	17.34 *(3.42)*	17.34 *(3.42)*	17.34 *(3.42)*
Maximum Torque rise % @ Engine RPM	37@1101	37@1101	37@1101
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	79.52@6.24	85.29@6.01	84.92@4.83
" *kW* " " ... *(km/h)*	*(59.30@10.04)*	*(63.60@9.68)*	*(63.33@7.77)*
100% Load ... HP@mph	78.66@4.83	82.01@5.12	*84.92@4.83
" " ... *(kW@km/h)*	*(58.66@7.77)*	*(61.16@8.24)*	*(63.33@7.77)*
Fuel: ... HP hr/gal *(kWh/l)*	13.87 *(2.73)*	14.40 *(2.84)*	*15.08 *(2.97)*
75% Load ... HP@mph	64.54@5.28	65.95@5.50	*1950 engine
" " ... *(kW@km/h)*	*(48.13@8.50)*	*(49.18@8.85)*	rpm
Fuel: ... HP hr/gal *(kWh/l)*	12.97 *(2.56)*	13.07 *(2.57)*	.....
50% Load ... HP@mph	44.94@5.51	45.67@5.70	.....
" " ... *(kW@km/h)*	*(33.51@8.87)*	*(34.06@9.18)*	.....
Fuel: ... HP hr/gal *(kWh/l)*	11.17 *(2.20)*	11.18 *(2.20)*	.....
50% Load ... HP@mph	44.83@5.56	45.75@5.71	.....
" " ... *(kW@km/h)*	*(33.43@8.94)*	*(34.12@9.18)*	.....
Reduced Eng RPM	1808	1793	.....
Fuel: ... HP hr/gal*(kWh/l)*	13.25 *(2.61)*	13.54 *(2.67)*	.....
Max Pull: ... lbs@mph	7034@3.51	8348@3.50	10188@2.82
" " ... *(kN@km/h)*	*(31.29@5.65)*	*(37.13@5.64)*	*(45.32@4.54)*
MAXIMUM SOUND LEVEL	w/o cab	w/o cab	w/o cab
At Operator's Ear ... dB(A)	93.3	93.6	.....
Bystander ... dB(A)	84.6	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	4878 *(21.7)*	4878 *(21.7)*	4878 *(21.7)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	16.6 *(62.8)*	16.6 *(62.8)*	16.6 *(62.8)*

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TRACTOR MODEL	6215 Dsl	6415 Dsl	6615 Dsl
Transmission	16 speed	16 speed	16 speed
NEBR SUM NO (Yr tested)	481 (2004)	443 (2003)	444 (2003)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.19x5.00	4.19x5.00	4.19x5.00
" " " ... *(mm)*	*(106.5x127.0)*	*(106.5x127.0)*	*(106.5x127.0)*
No. of Cylinders	4	4	6
Displacement ... cu in *(ml)*	276 *(4525)*	276 *(4525)*	414 *(6788)*
Rated RPM	2300	2300	2300
Compression Ratio	16.9 to 1	16.9 to 1	16.9 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 13.6-24; 8	2; 13.6-24; 8	2; 14.9-24; 6
rear	2; 18.4-34; 8	2; 18.4-38; 8	2; 18.4-38; 8
Weight as tested ... lbs *(kg)*	9510 *(4315)*	9645 *(4375)*	10835 *(4915)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	74.5@2298	87.5@2298	99.6@2298
" " " " " ... *(kW)*	*(55.6)*@2298	*(65.2)*@2298	*(74.3)*@2298
PTO RPM	1041	1041	1041
Fuel: Gal/hr *(l/h)*	5.06 *(19.15)*	5.70 *(21.57)*	6.55 *(24.80)*
Hp. hr/gal *(kWh/l)*	14.73 *(2.90)*	15.35 *(3.02)*	15.23 *(3.00)*
Max Pwr @ Std PTO RPM ..... HP	75.9@1000	90.7@1000	103.5@1000
" " " " " " .... *(kW)*	*(56.6)*@1000	*(67.6)*@1000	*(77.2)*@1000
Eng RPM	2208	2208	2208
Fuel: Gal/hr *(l/h)*	4.97 *(18.82)*	5.69 *(21.56)*	6.59 *(24.95)*
Hp. hr/gal *(kWh/l)*	15.28 *(3.01)*	15.91 *(3.14)*	15.70 *(3.09)*
Maximum Torque rise % @ Engine RPM	43@1296	42@1501	36@1499
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	68.3@6.56	79.7@4.75	88.1@4.68
" *kW* " " ... *(km/h)*	*(50.9@10.55)*	*(59.4@7.64)*	*(65.7@7.53)*
100% Load ... HP@mph	62.2@4.67	73.1@4.92	83.4@5.23
" " ... *(kW@km/h)*	*(46.4@7.51)*	*(54.5@7.92)*	*(62.2@8.42)*
Fuel: ... HP hr/gal *(kWh/l)*	12.39 *(2.44)*	12.67 *(2.50)*	12.54 *(2.47)*
75% Load ... HP@mph	48.9@4.90	58.1@5.19	65.0@5.49
" " ... *(kW@km/h)*	*(36.5@7.88)*	*(43.3@8.35)*	*(48.5@8.83)*
Fuel: ... HP hr/gal *(kWh/l)*	11.06 *(2.18)*	11.47 *(2.26)*	11.22 *(2.21)*
50% Load ... HP@mph	33.5@5.03	40.1@5.34	44.3@5.64
" " ... *(kW@km/h)*	*(25.0@8.09)*	*(29.9@8.59)*	*(33.0@9.08)*
Fuel: ... HP hr/gal *(kWh/l)*	9.14 *(1.80)*	9.46 *(1.86)*	9.10 *(1.79)*
50% Load ... HP@mph	33.4@5.01	40.1@5.35	44.3@5.64
" " ... *(kW@km/h)*	*(24.9@8.06)*	*(29.9@8.62)*	*(33.0@9.08)*
Reduced Eng RPM	2221	2238	1860
Fuel: ... HP hr/gal *(kWh/l)*	9.87 *(1.94)*	10.08 *(1.99)*	11.79 *(2.32)*
Max Pull: ... lbs@mph	9480@2.44	9065@2.78	9875@3.16
" " ... *(kN@km/h)*	*(42.16@3.92)*	*(40.33@4.47)*	*(43.93@5.08)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	70.5	70.5	72.5
Bystander ... dB(A)	. . . . .	. . . . .	. . . . .
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	4200*(18.70)*	5675*(25.25)*	6475*(28.80)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	17.8 *(67.2)*	18.8 *(71.3)*	17.2 *(65.1)*

TRACTOR MODEL	6615 Dsl	6715 Dsl	6120 Dsl
Transmission	16 speed	16 speed	12 speed
NEBR SUM NO (Yr tested)	444 (2003)	482 (2004)	384 (2002)
ENGINE	Turbo-Intr	Turbo-Intr	Turbochgr
Bore and Stroke ... in.	4.19x5.00	4.19x5.00	4.19x5.00
" " " ... *(mm)*	*(106.5x127.0)*	*(106.5x127.0)*	*(106.5x127.0)*
No. of Cylinders	6	6	4
Displacement ... cu in *(ml)*	414 *(6788)*	414 *(6788)*	276 *(4525)*
Rated RPM	2300	2300	2300
Compression Ratio	16.9 to 1	16.9 to 1	16.9 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 14.9-24; 6	2; 13.6R28; **	2; 12.4-24; 6
rear	2; 18.4-38; 8	2; 18.4R38; **	2; 16.9-30; 6
Weight as tested ... lbs *(kg)*	10835 *(4915)*	11045 *(5010)*	9515 *(4315)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	99.6@2298	107.4@2300	66.9@2300
" " " " " " ... *(kW)*	*(74.3)*@2298	*(80.1)*@2300	*(49.9)*@2300
PTO RPM	1041	1042	1042
Fuel: Gal/hr *(l/h)*	6.55 *(24.80)*	6.88 *(26.04)*	4.43 *(16.76)*
Hp. hr/gal *(kWh/l)*	15.23 *(3.00)*	15.61 *(3.08)*	15.11 *(2.98)*
Max Pwr @ Std PTO RPM ..... HP	103.5@1000	115.5@1000	69.3@1000
" " " " " " .... *(kW)*	*(77.2)*@1000	*(86.1)*@1000	*(51.7)*@1000
Eng RPM	2208	2208	2208
Fuel: Gal/hr *(l/h)*	6.59 *(24.95)*	7.15 *(27.06)*	4.41 *(16.69)*
Hp. hr/gal *(kWh/l)*	15.70 *(3.09)*	16.15 *(3.18)*	15.72 *(3.10)*
Maximum Torque rise % @ Engine RPM	36@1499	38@1600	51@1101
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	88.1@4.68	104.3@4.62	56.5@4.11
" *kW* " " ... *(km/h)*	*(65.7@7.53)*	*(77.8@7.44)*	*(42.1@6.61)*
100% Load ... HP@mph	83.4@5.23	94.3@5.41	53.5@4.83
" " ... *(kW@km/h)*	*(62.2@8.42)*	*(70.3@8.71)*	*(39.9@7.77)*
Fuel: ... HP hr/gal *(kWh/l)*	12.54 *(2.47)*	13.81 *(2.72)*	12.08 *(2.38)*
75% Load ... HP@mph	65.0@5.49	73.4@5.66	43.4@5.18
" " ... *(kW@km/h)*	*(48.5@8.83)*	*(54.7@9.11)*	*(32.3@8.33)*
Fuel: ... HP hr/gal *(kWh/l)*	11.22 *(2.21)*	12.35 *(2.43)*	10.40 *(2.05)*
50% Load ... HP@mph	44.3@5.64	49.2@5.77	29.4@5.29
" " ... *(kW@km/h)*	*(33.0@9.08)*	*(36.7@9.29)*	*(21.9@8.52)*
Fuel: ... HP hr/gal *(kWh/l)*	9.10 *(1.79)*	10.10 *(1.99)*	8.16 *(1.61)*
50% Load ... HP@mph	44.3@5.64	49.3@5.78	29.8@5.29
" " ... *(kW@km/h)*	*(33.0@9.08)*	*(36.8@9.30)*	*(22.2@8.52)*
Reduced Eng RPM	1860	1869	1890
Fuel: ... HP hr/gal*(kWh/l)*	11.79 *(2.32)*	12.49 *(2.46)*	10.42 *(2.05)*
Max Pull: ... lbs@mph	9875@3.16	11755@3.11	7395@2.50
" " ... *(kW@km/h)*	*(43.93@5.08)*	*(52.29@5.00)*	*(32.90@4.03)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	72.5	71.0	72.0
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	6475*(28.80)*	5430*(24.15)*	4000*(17.80)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	17.2 *(65.1)*	19.5 *(73.7)*	30.0 *(113.6)*

JOHN DEERE

TRACTOR MODEL	6220 Dsl	6320 Dsl	6420 Dsl
	24 speed	16 speed	24 speed
Transmission	PowrQuad	PowrQuad	AutoQuad
NEBR SUM NO (Yr tested)	385 (2002)	386 (2002)	387 (2002)
ENGINE	Turbochgr	Turbo-Intr	Turbo-Intr
Bore and Stroke ..... in.	4.19x5.00	4.19x5.00	4.19x5.00
" " " ..... *(mm)*	*(106.5x127.0)*	*(106.5x127.0)*	*(106.5x127.0)*
No. of Cylinders	4	4	4
Displacement ..... cu in *(ml)*	276 *(4525)*	276 *(4525)*	276 *(4525)*
Rated RPM	2300	2300	2300
Compression Ratio	16.9 to 1	16.9 to 1	16.9 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ..... front	2; 12.4-24; 6	2; 16.9-24; 6	2; 16.9-24; 6
rear	2; 16.9-30; 6	2; 18.4-38; 8	2; 18.4-38; 8
Weight as tested ..... lbs *(kg)*	9745 *(4420)*	10195 *(4625)*	11275 *(5115)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	75.8@2300	83.5@2300	94.3@2302
" " " " " " ..... *(kW)*	*(56.5)*@2300	*(62.3)*@2300	*(70.3)*@2302
PTO RPM	1042	1042	1043
Fuel: Gal/hr *(l/h)*	4.85 *(18.35)*	5.22 *(19.78)*	5.57 *(21.09)*
Hp. hr/gal *(kWh/l)*	15.63 *(3.08)*	15.99 *(3.15)*	16.92 *(3.33)*
Max Pwr @ Std PTO RPM ..... HP	76.3@1000	85.7@1000	96.0@999
" " " " " " .... *(kW)*	*(56.9)*@1000	*(63.9)*@1000	*(71.6)*@999
Eng RPM	2208	2208	2205
Fuel: Gal/hr *(l/h)*	4.72 *(17.86)*	5.16 *(19.54)*	5.54 *(20.99)*
Hp. hr/gal *(kWh/l)*	16.17 *(3.19)*	16.60 *(3.27)*	17.32 *(3.41)*
Maximum Torque rise			
% @ Engine RPM	45@1198	39@1304	51@1503
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	62.2@5.88	72.5@5.27	84.7@5.75
" *kW* " " ..... *(km/h)*	*(46.4@9.47)*	*(54.1@8.47)*	*(63.2@9.26)*
100% Load ..... HP@mph	59.5@4.83	63.8@6.18	75.4@4.43
" " ..... *(kW@km/h)*	*(44.4@7.78)*	*(47.5@9.95)*	*(56.2@7.13)*
Fuel: ..... HP hr/gal *(kWh/l)*	12.38 *(2.44)*	12.59 *(2.48)*	13.59 *(2.68)*
75% Load ..... HP@mph	47.8@5.18	49.9@6.51	60.7@4.74
" " ..... *(kW@km/h)*	*(35.7@8.34)*	*(37.2@10.48)*	*(45.3@7.63)*
Fuel: ..... HP hr/gal *(kWh/l)*	10.94 *(2.16)*	10.75 *(2.12)*	12.32 *(2.43)*
50% Load ..... HP@mph	32.8@5.33	33.8@6.63)	42.2@4.90
" " ..... *(kW@km/h)*	*(24.5@8.57)*	*(25.2@10.67)*	*(31.5@7.88)*
Fuel: ..... HP hr/gal *(kWh/l)*	8.95 *(1.76)*	8.67 *(1.71)*	10.34 *(2.04)*
50% Load ..... HP@mph	32.7@5.30	34.2@6.68	42.2@4.93
" " ..... *(kW@km/h)*	*(24.4@8.53)*	*(25.5@10.75)*	*(31.5@7.93)*
Reduced Eng RPM	2125	2034	2053
Fuel: ..... HP hr/gal*(kWh/l)*	10.20 *(2.01)*	10.36 *(2.04)*	12.10 *(2.38)*
Max Pull: ..... lbs@mph	8115@2.75	9450@2.52	9915@2.91
" " ..... *(kN@km/h)*	*(36.10@4.42)*	*(42.04@4.06)*	*(44.11@4.69)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ..... dB(A)	71.0	73.0	71.0
Bystander ..... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available			
@ 24" *(610 mm)* ..... lbs *(kN)*	4045 *(18.00)*	5060 *(22.5)*	5825 *(25.9)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	31.1 *(117.7)*	30.9 *(116.9)*	31.1 *(117.6)*

TRACTOR MODEL	7220 Dsl (Unbal-2WD)	7220 Dsl (Unbal-FWA)	7320 Dsl (Unbal-FWA)
Transmission	16 speed Powrquad	16 speed Powrquad	16 speed Powrquad
NEBR SUM NO (Yr tested)	393 (2003)	393 (2003)	392 (2002)
ENGINE			
Bore and Stroke ... in.	Turbochgr 4.19x5.00	Turbochgr 4.19x5.00	Turbo-Intr 4.19x5.00
" " " ... *(mm)*	*(106.5x127.0)*	*(106.5x127.0)*	*(106.5x127.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	414 *(6788)*	414 *(6788)*	414 *(6788)*
Rated RPM	2300	2300	2300
Compression Ratio	17.0 to 1	17.0 to 1	16.9 to 1
CHASSIS			
Type	Front Whl Assist	Front Whl Assist	Front Whl Assist
Tires: No., Size, Ply ... front	2; 380/85R28;**	2; 380/85R28;**	2; 540/65R28;**
rear	2; 480/80R38;**	2; 480/80R38;**	2; 650/65R38;**
Weight as tested ... lbs *(kg)*	12005 *(5446)*	12005 *(5446)*	13170 *(5975)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	97.18@2300	97.18@2300	109.8@2300
" " " " " " ... *(kW)*	*(72.47)*@2300	*(72.47)*@2300	*(81.9)*@2300
PTO RPM	1041	1041	1042
Fuel: Gal/hr *(l/h)*	6.18 *(23.39)*	6.18 *(23.39)*	6.67 *(25.24)*
Hp. hr/gal *(kW.h/l)*	15.73 *(3.10)*	15.73 *(3.10)*	16.47 *(3.24)*
Max Pwr @ Std PTO RPM ..... HP	100.86@1000	100.86@1000	115.3@1000
" " " " " " .... *(kW)*	*(75.21)*@1000	*(75.21)*@1000	*(86.0)*@1000
Eng RPM	2209	2209	2208
Fuel: Gal/hr *(l/h)*	6.18 *(23.40)*	6.18 *(23.40)*	6.68 *(25.29)*
Hp. hr/gal *(kW.h/l)*	16.32 *(3.21)*	16.32 *(3.21)*	17.25 *(3.40)*
Maximum Torque rise % @ Engine RPM	48@1300	48@1300	40@1501
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	86.82@5.85	91.98@3.55	99.1@4.74
" *kW* " " ... *(km/h)*	*(64.74@9.42)*	*(68.59@5.71)*	*(73.9@7.63)*
100% Load ... HP@mph	86.82@5.85	87.84@4.26	93.3@4.54
" " ... *(kW@km/h)*	*(64.74@9.42)*	*(65.51@6.85)*	*(69.6@7.31)*
Fuel: ... HP hr/gal *(kW.h/l)*	13.97 *(2.75)*	14.10 *(2.78)*	14.08 *(2.77)*
75% Load ... HP@mph	68.98@6.14	69.28@4.49	73.6@4.77
" " ... *(kW@km/h)*	*(51.44@9.88)*	*(51.66@7.22)*	*(54.9@7.68)*
Fuel: ... HP hr/gal *(kW.h/l)*	12.48 *(2.46)*	12.59 *(2.48)*	12.80 *(2.52)*
50% Load ... HP@mph	47.13@6.29	47.34@4.59	50.2@4.87
" " ... *(kW@km/h)*	*(35.15@10.12)*	*(35.30@7.39)*	*(37.4@7.84)*
Fuel: ... HP hr/gal *(kW.h/l)*	10.25 *(2.02)*	10.51 *(2.07)*	10.96 *(2.16)*
50% Load ... HP@mph	47.11@6.30	47.47@4.61	50.0@4.85
" " ... *(kW@km/h)*	*(35.13@10.14)*	*(35.40@7.41)*	*(37.3@7.81)*
Reduced Eng RPM	1667	1778	2002
Fuel: ... HP hr/gal*(kW.h/l)*	13.61 *(2.68)*	13.54 *(2.67)*	12.79 *(2.52)*
Max Pull: ... lbs@mph	9268@2.75	11906@2.42	13130@2.59
" " ... *(kN@km/h)*	*(41.23@4.43)*	*(52.96@3.90)*	*(58.40@4.17)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	72.4	72.2	71.0
Bystander ... dB(A)	80.6	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	5606 *(24.9)*	5606 *(24.9)*	5606 *(24.9)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	30.3 *(114.7)*	30.3 *(114.7)*	30.3 *(114.7)*

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TRACTOR MODEL	7420 Dsl (Bal-2WD)	7420 Dsl (Unbal-FWA)	7420 Dsl (Bal-FWA)
Transmission	20 speed Powrquad	20 speed Powrquad	20 speed Powrquad
NEBR SUM NO (Yr tested)	394 (2003)	394 (2003)	394 (2003)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.19x5.00	4.19x5.00	4.19x5.00
" " " ... *(mm)*	*(106.5x127.0)*	*(106.5x127.0)*	*(106.5x127.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	414 *(6788)*	414 *(6788)*	414 *(6788)*
Rated RPM	2100	2100	2100
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 380/85R28;**	2; 380/85R28;**	2; 380/85R28;**
rear	2; 480/80R38;**	2; 480/80R38;**	2; 480/80R38;**
Weight as tested ... lbs *(kg)*	15655 *(7101)*	13065 *(5926)*	15655 *(7101)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	116.56@2101	116.56@2101	116.56@2101
" " " " " ... *(kW)*	*(86.92)*@2101	*(86.92)*@2101	*(86.92)*@2101
PTO RPM	1003	1003	1003
Fuel: Gal/hr *(l/h)*	6.74 *(25.53)*	6.74 *(25.53)*	6.74 *(25.53)*
Hp. hr/gal *(kW.h/l)*	17.29 *(3.41)*	17.29 *(3.41)*	17.29 *(3.41)*
Max Pwr @ Std PTO RPM ..... HP	Same	Same	Same
" " " " " .... *(kW)*	as	as	as
Eng RPM	shown	shown	shown
Fuel: Gal/hr *(l/h)*	above	above	above
Hp. hr/gal *(kW.h/l)*			
Maximum Torque rise			
% @ Engine RPM	41@1398	41@1398	41@1398
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	101.29@5.87	112.53@5.05	113.40@5.07
" *kW* " " ... *(km/h)*	*(75.53@9.45)*	*(83.91@8.12)*	*(84.56@8.15)*
100% Load ... HP@mph	101.20@4.33	102.86@4.41	*113.40@5.07
" " ... *(kW@km/h)*	*(75.47@6.97)*	*(76.70@7.10)*	**(84.56@8.15)*
Fuel: ... HP hr/gal *(kW.h/l)*	15.02 *(2.96)*	15.25 *(3.00)*	*16.53 *(3.26)*
75% Load ... HP@mph	80.42@4.58	81.30@4.64	*1800 engine
" " ... *(kW@km/h)*	*(59.97@7.37)*	*(60.63@7.47)*	rpm
Fuel: ... HP hr/gal *(kW.h/l)*	13.92 *(2.74)*	14.14 *(2.79)*	.....
50% Load ... HP@mph	55.08@4.71	55.53@4.75	.....
" " ... *(kW@km/h)*	*(41.08@7.58)*	*(41.41@7.65)*	.....
Fuel: ... HP hr/gal *(kW.h/l)*	12.10 *(2.38)*	12.19 *(2.40)*	.....
50% Load ... HP@mph	54.93@4.70	55.60@4.76	.....
" " ... *(kW@km/h)*	*(40.96@7.56)*	*(41.46@7.66)*	.....
Reduced Eng RPM	1665	1670	.....
Fuel: ... HP hr/gal *(kW.h/l)*	14.03 *(2.76)*	14.20 *(2.80)*	.....
Max Pull: ... lbs@mph	11153@2.79	12928@2.41	14629@2.31
" " ... *(kN@km/h)*	*(49.61@4.49)*	*(57.50@3.87)*	*(65.07@3.71)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	71.6	71.8	.....
Bystander ... dB(A)	82.4	.....	.....
THREE POINT LIFT			
Force available			
@ 24" *(610 mm)* ... lbs *(kN)*	7911 *(34.6)*	7911 *(34.6)*	7911 *(34.6)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	30.0 *(113.6)*	30.0 *(113.6)*	30.0 *(113.6)*

TRACTOR MODEL	7520 Dsl (Unbal-FWA)	7520 Dsl (Bal-FWA)
Transmission	IVT	IVT
NEBR SUM NO (Yr tested)	395 (2003)	395 (2003)
ENGINE	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.19x5.00	4.19x5.00
" " " ... *(mm)*	*(106.5x127.0)*	*(106.5x127.0)*
No. of Cylinders	6	6
Displacement ... cu in *(ml)*	414 *(6788)*	414 *(6788)*
Rated RPM	2100	2100
Compression Ratio	17.0 to 1	17.0 to 1
CHASSIS	Front	Front
Type	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 380/85R30;**	2; 380/85R30;**
rear	2; 480/80R42;**	2; 480/80R42;**
Weight as tested ... lbs *(kg)*	13840 *(6278)*	16800 *(7621)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	125.75@2100	125.75@2100
" " " " " " ... *(kW)*	*(93.77)*@2100	*(93.77)*@2100
PTO RPM	1003	1003
Fuel: Gal/hr *(l/h)*	7.23 *(27.59)*	7.23 *(27.59)*
Hp. hr/gal *(kWh/l)*	17.38 *(3.42)*	17.38 *(3.42)*
Max Pwr @ Std PTO RPM ..... HP	Same	Same
" " " " " " .... *(kW)*	as	as
Eng RPM	shown	shown
Fuel: Gal/hr *(l/h)*	above	above
Hp. hr/gal *(kWh/l)*		
Maximum Torque rise % @ Engine RPM	44@1503	44@1503
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	124.53@5.37	124.64@4.87
" *kW* " " ... *(km/h)*	*(92.86@8.63)*	*(92.95@7.84)*
100% Load ... HP@mph	110.88@6.29	*124.64@4.87
" " ... *(kW@km/h)*	*(82.69@10.13)*	*(92.95@7.84)*
Fuel: ... HP hr/gal *(kWh/l)*	15.05 *(2.96)*	*16.09 *(3.17)*
75% Load ... HP@mph	87.23@6.60	*1800 engine
" " ... *(kW@km/h)*	*(65.05@10.62)*	rpm
Fuel: ... HP hr/gal *(kWh/l)*	13.80 *(2.72)*	.....
50% Load ... HP@mph	59.44@6.74	.....
" " ... *(kW@km/h)*	*(44.33@10.84)*	.....
Fuel: ... HP hr/gal *(kWh/l)*	11.86 *(2.34)*	.....
50% Load ... HP@mph	59.61@6.76	.....
" " ... *(kW@km/h)*	*(44.45@10.87)*	.....
Reduced Eng RPM	1445	.....
Fuel: ... HP hr/gal*(kWh/l)*	14.52 *(2.86)*	.....
Max Pull: ... lbs@mph	13864@2.16	16068@2.08
" " ... *(kN@km/h)*	*(61.67@3.48)*	*(71.47@3.35)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ... dB(A)	72.5	.....
Bystander ... dB(A)	83.1	.....
THREE POINT LIFT		
Force available @ 24" *(610 mm)* ... lbs *(kN)*	7911 *(34.6)*	7911 *(34.6)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	29.8 *(112.8)*	29.8 *(112.8)*

JOHN DEERE

TRACTOR MODEL	7720 Dsl (Bal-2WD)	7720 Dsl (Unbal-FWA)	7720 Dsl (Bal-FWA)
Transmission	20 speed PowrQuad	20 speed PowrQuad	20 speed PowrQuad
NEBR SUM NO (Yr tested)	425 (2004)	425 (2004)	425 (2004)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke in.	4.19x5.00	4.19x5.00	4.19x5.00
" " " (mm)	*(106.5x127.0)*	*(106.5x127.0)*	*(106.5x127.0)*
No. of Cylinders	6	6	6
Displacement cu in *(ml)*	414 *(6788)*	414 *(6788)*	414 *(6788)*
Rated RPM	2100	2100	2100
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front Whl Assist	Front Whl Assist	Front Whl Assist
Type			
Tires: No., Size, Ply front	2;380/85R30;***	2;380/85R30;***	2;380/85R30;***
rear	4;480/80R42;***	2;480/80R42;***	4;480/80R42;***
Weight as tested lbs *(kg)*	20220 *(9171)*	16650 *(7552)*	20220 *(9171)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM HP	141.89@2099	141.89@2099	141.89@2099
" " " " " " (kW)	*(105.81)*@2099	*(105.81)*@2099	*(105.81)*@2099
PTO RPM	1076	1076	1076
Fuel: Gal/hr *(l/h)*	8.15 *(30.86)*	8.15 *(30.86)*	8.15 *(30.86)*
Hp. hr/gal *(kWh/l)*	17.41*(3.43)*	17.41*(3.43)*	17.41*(3.43)*
Max Pwr @ Std PTO RPM HP	150.58@1951	150.58@1951	150.58@1951
" " " " " " (kW)	*(112.29)*@1951	*(112.29)*@1951	*(112.29)*@1951
Eng RPM	1000	1000	1000
Fuel: Gal/hr *(l/h)*	8.27 *(31.32)*	8.27 *(31.32)*	8.27 *(31.32)*
Hp. hr/gal *(kWh/l)*	18.20 *(3.59)*	18.20 *(3.59)*	18.20 *(3.59)*
Maximum Torque rise % @ Engine RPM	57@1402	57@1402	57@1402
DRAWBAR PERFORMANCE			
Max HP (Short Term) @mph	129.26@4.44	145.02@5.59	145.59@3.86
" *kW* " " *(km/h)*	*(96.39@7.15)*	*(108.14@8.99)*	*(108.56@6.20)*
100% Load HP@mph	129.26@4.44	129.08@4.45	*145.59@3.86
" " *(kW@km/h)*	*(96.39@7.15)*	*(96.25@7.16)*	**(108.56@6.20)*
Fuel: HP hr/gal *(kWh/l)*	15.90 *(3.13)*	15.88 *(3.13)*	*16.85 *(3.32)*
75% Load HP@mph	99.54@4.60	101.03@4.64	*1650 engine
" " *(kW@km/h)*	*(74.22@7.40)*	*(75.34@7.46)*	rpm
Fuel: HP hr/gal *(kWh/l)*	14.39 *(2.83)*	14.34 *(2.82)*	.....
50% Load HP@mph	67.44@4.66	68.38@4.71	.....
" " *(kW@km/h)*	*(50.29@7.49)*	*(50.99@7.59)*	.....
Fuel: HP hr/gal *(kWh/l)*	11.96 *(2.36)*	12.21 *(2.40)*	.....
50% Load HP@mph	67.77@4.68	68.64@4.73	.....
" " *(kW@km/h)*	*(50.54@7.52)*	*(51.18@7.61)*	.....
Reduced Eng RPM	1636	1638	.....
Fuel: HP hr/gal*(kWh/l)*	13.77 *(2.71)*	13.97 *(2.75)*	.....
Max Pull: lbs@mph	17189@2.42	16440@2.40	20604@2.03
" " *(kN@km/h)*	*(76.46@3.89)*	*(73.13@3.87)*	*(91.65@3.28)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear dB(A)	68.8	68.8	....
Bystander dB(A)	85.5	....	....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* lbs *(kN)*	10109*(45.0)*	10109*(45.0)*	10109*(45.0)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	32.2*(121.8)*	32.2*(121.8)*	32.2*(121.8)*

TRACTOR MODEL	7820 Dsl (Bal-2WD)	7820 Dsl (Unbal-FWA)	7820 Dsl (Bal-FWA)
Transmission	20 speed AutoQuad	20 speed AutoQuad	20 speed AutoQuad
NEBR SUM NO (Yr tested)	426 (2004)	426 (2004)	426 (2004)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke in.	4.56x5.06	4.56x5.06	4.56x5.06
" " " (mm)	*(115.8x128.5)*	*(115.8x128.5)*	*(115.8x128.5)*
No. of Cylinders	6	6	6
Displacement cu in *(ml)*	496 *(8134)*	496 *(8134)*	496 *(8134)*
Rated RPM	2100	2100	2100
Compression Ratio	16.5 to 1	16.5 to 1	16.5 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply front	2;420/90R30;***	2;420/90R30;***	2;420/90R30;***
rear	4;480/80R46;***	2;480/80R46;***	4;480/80R46;***
Weight as tested lbs *(kg)*	21520 *(9761)*	17405 *(7895)*	21520 *(9761)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM HP	156.55@2101	156.55@2101	156.55@2101
" " " " " " (kW)	*(116.74)*@2101	*(116.74)*@2101	*(116.74)*@2101
PTO RPM	1077	1077	1077
Fuel: Gal/hr *(l/h)*	9.36 *(35.44)*	9.36 *(35.44)*	9.36 *(35.44)*
Hp. hr/gal *(kWh/l)*	16.72 *(3.29)*	16.72 *(3.29)*	16.72 *(3.29)*
Max Pwr @ Std PTO RPM HP	170.96@1000	170.96@1000	170.96@1000
" " " " " " (kW)	*(127.49)*@1000	*(127.49)*@1000	*(127.49)*@1000
Eng RPM	1950	1950	1950
Fuel: Gal/hr *(l/h)*	9.59 *(36.32)*	9.59 *(36.32)*	9.59 *(36.32)*
Hp. hr/gal *(kWh/l)*	17.82 *(3.51)*	17.82 *(3.51)*	17.82 *(3.51)*
Maximum Torque rise % @ Engine RPM	57@1150	57@1150	57@1150
DRAWBAR PERFORMANCE			
Max HP (Short Term) @mph	142.19@5.18	159.29@4.50	160.03@4.14
" *kW* " " *(km/h)*	*(106.03@8.33)*	*(118.78@7.25)*	*(119.33@6.66)*
100% Load HP@mph	142.08@4.67	143.52@4.68	*160.03@4.14
" " *(kW@km/h)*	*(105.95@7.52)*	*(107.02@7.54)*	**(119.33@6.66)*
Fuel: HP hr/gal *(kWh/l)*	14.79 *(2.91)*	15.14 *(2.98)*	*16.59 *(3.27)*
75% Load HP@mph	109.72@4.82	111.61@4.87	*1850 engine
" " *(kW@km/h)*	*(81.82@7.76)*	*(83.23@7.83)*	rpm
Fuel: HP hr/gal *(kWh/l)*	13.20 *(2.60)*	12.97 *(2.56)*	.....
50% Load HP@mph	74.09@4.88	75.35@4.93	.....
" " *(kW@km/h)*	*(55.25@7.86)*	*(56.19@7.93)*	.....
Fuel: HP hr/gal *(kWh/l)*	11.15 *(2.20)*	11.60 *(2.29)*	.....
50% Load HP@mph	74.18@4.89	75.52@4.93	.....
" " *(kW@km/h)*	*(55.32@7.87)*	*(56.31@7.94)*	.....
Reduced Eng RPM	1629	1630	.....
Fuel: HP hr/gal*(kWh/l)*	14.40 *(2.84)*	14.73 *(2.90)*	.....
Max Pull: lbs@mph	17952@2.51	17061@2.58	21634@2.13
" " *(kN@km/h)*	*(79.85@4.05)*	*(75.89@4.16)*	*(96.23@3.43)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear dB(A)	72.6	.....	72.0
Bystander dB(A)	86.1	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* lbs *(kN)*	10987*(48.9)*	10987*(48.9)*	10987*(48.9)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	32.1*(121.7)*	32.1*(121.7)*	32.1*(121.7)*

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TRACTOR MODEL	7920 Dsl (Unbal-FWA) (Auto mode)	7920 Dsl (Unbal-FWA) (Manual mode)	7920 Dsl (Bal-FWA) (Manual mode)
Transmission	IVT	IVT	IVT
NEBR SUM NO (Yr tested)	427 (2004)	427 (2004)	427 (2004)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.56x5.06	4.56x5.06	4.56x5.06
" " " ... *(mm)*	*(115.8x128.5)*	*(115.8x128.5)*	*(115.8x128.5)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	496 *(8134)*	496 *(8134)*	496 *(8134)*
Rated RPM	2100	2100	2100
Compression Ratio	16.5 to 1	16.5 to 1	16.5 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2;420/90R30;***	2;420/90R30;***	2;420/90R30;***
rear	2;480/80R46;***	2;480/80R46;***	4;480/80R46;***
Weight as tested ... lbs *(kg)*	18140 *(8228)*	18140*(8228)*	23385*(10607)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	171.26@2100	171.26@2100	171.26@2100
" " " " " " ... *(kW)*	*(127.71)*@2100	*(127.71)*@2100	*(127.71)*@2100
PTO RPM	1077	1077	1077
Fuel: Gal/hr *(l/h)*	10.43 *(39.50)*	10.43 *(39.50)*	10.43 *(39.50)*
Hp. hr/gal *(kWh/l)*	16.41 *(3.23)*	16.41 *(3.23)*	16.41 *(3.23)*
Max Pwr @ Std PTO RPM ..... HP	185.59@1000	185.59@1000	185.59@1000
" " " " " " .... *(kW)*	*(138.39)*@1000	*(138.39)*@1000	*(138.39)*@1000
Eng RPM	1951	1951	1951
Fuel: Gal/hr *(l/h)*	10.58 *(40.06)*	10.58 *(40.06)*	10.58 *(40.06)*
Hp. hr/gal *(kWh/l)*	17.54 *(3.45)*	17.54 *(3.45)*	17.54 *(3.45)*
Maximum Torque rise % @ Engine RPM	52@1148	52@1148	52@1148
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	154.05@6.06	165.89@6.75	169.05@4.83
" *kW* " " ... *(km/h)*	*(114.88@9.75)*	*(123.70@10.86)*	*(126.06@7.78)*
100% Load ... HP@mph	*154.05@6.06	146.06@4.69	*169.05@4.83
" " ... *(kW@km/h)*	**(114.88@9.75)*	*(108.91@7.55)*	**(126.06@7.78)*
Fuel: ... HP hr/gal *(kWh/l)*	*15.28*(3.01)*	14.68 *(2.89)*	*16.54 *(3.26)*
75% Load ... HP@mph	*2000 engine	117.12@5.02	*1750 engine
" " ... *(kW@km/h)*	rpm	*(87.34@8.08)*	rpm
Fuel: ... HP hr/gal *(kWh/l)*	.....	13.02 *(2.57)*	.....
50% Load ... HP@mph	.....	79.19@5.09	.....
" " ... *(kW@km/h)*	.....	*(59.05@8.19)*	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	11.17 *(2.20)*	.....
50% Load ... HP@mph	.....	79.52@5.12	.....
" " ... *(kW@km/h)*	.....	*(59.30@8.24)*	.....
Reduced Eng RPM	.....	1352	.....
Fuel: ... HP hr/gal*(kWh/l)*	.....	15.40 *(3.03)*	.....
Max Pull: ... lbs@mph	17266@2.60	17423@2.50	23206@1.94
" " ... *(kN@km/h)*	*(76.80@4.18)*	*(77.50@4.02)*	*(103.23@3.13)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	74.1	.....	.....
Bystander ... dB(A)	85.6	.....	.....
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	10987 *(48.9)*	10987 *(48.9)*	10987 *(48.9)*
HYDRAULIC FLOW Gal/min *(l/min)*	32.0 *(121.1)*	32.0 *(121.1)*	32.0 *(121.1)*

TRACTOR MODEL	8120 Dsl (Unballasted)	8120 Dsl (Ballasted)	8220 Dsl (Unballasted)
Transmission	16 speed Powershift	16 speed Powershift	16 speed Powershift
NEBR SUM NO (Yr tested)	396 (2003)	396 (2003)	397 (2003)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ..... in.	4.56x5.06	4.56x5.06	4.56x5.06
" " " ..... *(mm)*	*(115.8x128.5)*	*(115.8x128.5)*	*(115.8x128.5)*
No. of Cylinders	6	6	6
Displacement ..... cu in *(ml)*	496 *(8134)*	496 *(8134)*	496 *(8134)*
Rated RPM	2200	2200	2200
Compression Ratio	16.5 to 1	16.5 to 1	16.5 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ..... front	2; 380/85R34;**	2; 380/85R34;**	2; 380/85R34;**
rear	2; 480/80R46;**	4; 480/80R46;**	2; 480/80R46;**
Weight as tested ..... lbs *(kg)*	20235*(9178)*	22395*(10158)*	20220*(9172)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	172.13@2201	172.13@2201	191.21@2200
" " " " " " ..... *(kW)*	*(128.36)*@2201	*(128.36)*@2201	*(142.58)*@2200
PTO RPM	1010	1010	1009
Fuel: Gal/hr *(l/h)*	10.11 *(38.27)*	10.11 *(38.27)*	11.08 *(41.95)*
Hp. hr/gal *(kW.h/l)*	17.03 *(3.35)*	17.03 *(3.35)*	17.26 *(3.40)*
Max Pwr @ Std PTO RPM ..... HP			
" " " " " " .... *(kW)*	Same	Same	Same
Eng RPM	as	as	as
Fuel: Gal/hr *(l/h)*	shown	shown	shown
Hp. hr/gal *(kW.h/l)*	above	above	above
Maximum Torque rise % @ Engine RPM	53@1400	53@1400	54@1401
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	173.41@5.54	174.13@4.12	191.15@5.48
" *kW* " " ..... *(km/h)*	*(129.31@8.92)*	*(129.85@6.63)*	*(142.54@8.82)*
100% Load ..... HP@mph	148.45@4.82	*174.13@4.12	164.50@4.76
" " ..... *(kW@km/h)*	*(110.70@7.75)*	**(129.85@6.63)*	*(122.66@7.65)*
Fuel: ..... HP hr/gal *(kW.h/l)*	14.58 *(2.87)*	*16.38*(3.23)*	14.83*(2.92)*
75% Load ..... HP@mph	116.11@5.00	*1900 engine	128.92@4.96
" " ..... *(kW@km/h)*	*(86.59@8.05)*	rpm	*(96.14@7.98)*
Fuel: ..... HP hr/gal *(kW.h/l)*	13.03*(2.57)*	.....	13.35*(2.63)*
50% Load ..... HP@mph	78.55@5.08	.....	87.40@5.04
" " ..... *(kW@km/h)*	*(58.57@8.18)*	.....	*(65.17@8.11)*
Fuel: ..... HP hr/gal *(kW.h/l)*	11.01*(2.17)*	.....	11.54*(2.27)*
50% Load ..... HP@mph	78.50@5.08	.....	87.72@5.05
" " ..... *(kW@km/h)*	*(58.54@8.18)*	.....	*(65.42@8.13)*
Reduced Eng RPM	1706	.....	1702
Fuel: ..... HP hr/gal*(kW.h/l)*	13.64*(2.69)*	.....	14.11*(2.78)*
Max Pull: ..... lbs@mph	18768@2.55	22308@1.88	18629@2.81
" " ..... *(kN@km/h)*	*(83.48@4.10)*	*(99.23@3.03)*	*(82.87@4.53)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ..... dB(A)	71.9	.....	71.0
Bystander ..... dB(A)	84.8	.....	86.7
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ..... lbs *(kN)*	12353*(54.9)*	12353*(54.9)*	12353*(54.9)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	35.2*(133.2)*	35.2*(133.2)*	35.2*(133.2)*

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TRACTOR MODEL	8220 Dsl (Ballasted)	8320 Dsl (Unballasted)	8320 Dsl (Ballasted)
Transmission	16 speed Powershift	16 speed Powershift	16 speed Powershift
NEBR SUM NO (Yr tested)	397 (2003)	364 (2002)	364 (2002)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ..... in.	4.56x5.06	4.56x5.06	4.56x5.06
" " " ..... *(mm)*	*(115.8x128.5)*	*(115.8x128.5)*	*(115.8x128.5)*
No. of Cylinders	6	6	6
Displacement ..... cu in *(ml)*	496 *(8134)*	496 *(8134)*	496 *(8134)*
Rated RPM	2200	2200	2200
Compression Ratio	16.5 to 1	16.5 to 1	16.5 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ..... front	2; 380/85R34;**	2; 380/85R34;**	2; 380/85R34;**
rear	4; 480/80R46;**	2; 480/80R46;**	4; 480/80R46;**
Weight as tested ..... lbs *(kg)*	24450*(11090)*	20205*(9165)*	25430*(11534)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	191.21@2200	218.52@2200	218.52@2200
" " " " " ..... *(kW)*	*(142.58)*@2200	*(162.95)*@2200	*(162.95)*@2200
PTO RPM	1009	1009	1009
Fuel: Gal/hr *(l/h)*	11.08 *(41.95)*	12.57 *(47.58)*	12.57 *(47.58)*
Hp. hr/gal *(kWh/l)*	17.26 *(3.40)*	17.39 *(3.42)*	17.39 *(3.42)*
Max Pwr @ Std PTO RPM ..... HP			
" " " " " .... *(kW)*	Same	Same	Same
Eng RPM	as	as	as
Fuel: Gal/hr *(l/h)*	shown	shown	shown
Hp. hr/gal *(kWh/l)*	above	above	above
Maximum Torque rise			
% @ Engine RPM	54@1401	45@1300	45@1300
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	195.57@5.55	216.79@5.57	219.71@5.70
" *kW* " " ..... *(km/h)*	*(145.84@8.93)*	*(161.66@8.96)*	*(163.84@9.17)*
100% Load ..... HP@mph	*195.57@5.55	189.39@4.72	*219.71@5.70
" " ..... *(kW@km/h)*	**(145.84@8.93)*	*(141.23@7.59)*	**(163.84@9.17)*
Fuel: ..... HP hr/gal *(kWh/l)*	*16.85 *(3.32)*	15.09 *(2.97)*	*16.86 *(3.32)*
75% Load ..... HP@mph	*1900 engine	148.79@4.94	*1950 engine
" " ..... *(kW@km/h)*	rpm	*(110.95@7.95)*	rpm
Fuel: ..... HP hr/gal *(kWh/l)*	.....	14.05 *(2.77)*	.....
50% Load ..... HP@mph	.....	101.23@5.04	.....
" " ..... *(kW@km/h)*	.....	*(75.49@8.12)*	.....
Fuel: ..... HP hr/gal *(kWh/l)*	.....	12.40 *(2.44)*	.....
50% Load ..... HP@mph	.....	101.46@5.06	.....
" " ..... *(kW@km/h)*	.....	*(75.66@8.14)*	.....
Reduced Eng RPM	.....	1712	.....
Fuel: ..... HP hr/gal*(kWh/l)*	.....	15.04 *(2.96)*	.....
Max Pull: ..... lbs@mph	23872@1.95	19504@3.33	25231@2.64
" " ..... *(kN@km/h)*	*(106.19@3.13)*	*(86.76@5.35)*	*(112.23@4.25)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ..... dB(A)	.....	72.0	.....
Bystander ..... dB(A)	.....	86.3	.....
THREE POINT LIFT			
Force available			
@ 24" *(610 mm)* ..... lbs *(kN)*	12353*(54.9)*	13870*(61.7)*	13870*(61.7)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	35.2*(133.2)*	35.2*(133.2)*	35.2*(133.2)*

TRACTOR MODEL	8320T Dsl (Unballasted)	8320T Dsl (Ballasted)	8420 Dsl (Unballasted)
Transmission	16 speed Powershift	16 speed Powershift	16 speed Powershift
NEBR SUM NO (Yr tested)	365 (2002)	365 (2002)	366 (2002)
ENGINE			
Bore and Stroke ... in.	Turbo-Intr 4.56x5.06	Turbo-Intr 4.56x5.06	Turbo-Intr 4.56x5.06
" " " ... *(mm)*	*(115.8x128.5)*	*(115.8x128.5)*	*(115.8x128.5)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	496 *(8134)*	496 *(8134)*	496 *(8134)*
Rated RPM	2200	2200	2200
Compression Ratio	16.5 to 1	16.5 to 1	16.5 to 1
CHASSIS			
Type	Crawler	Crawler	Front Whl Assist
Tires: No., Size, Ply ... front	Rubber	Rubber	2; 380/85R34;**
rear	Tracked	Tracked	4; 480/80R46;***
Weight as tested ... lbs *(kg)*	26910*(12206)*	29160*(13227)*	23955 *(10866)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	217.63@2200	217.63@2200	235.45@2200
" " " " " ... *(kW)*	*(162.29)*@2200	*(162.29)*@2200	*(175.58)*@2200
PTO RPM	1009	1009	1009
Fuel: Gal/hr *(l/h)*	12.86 *(48.69)*	12.86 *(48.69)*	13.66 *(51.69)*
Hp. hr/gal *(kW.h/l)*	16.92 *(3.33)*	16.92 *(3.33)*	17.24 *(3.40)*
Max Pwr @ Std PTO RPM ..... HP			
" " " " " " .... *(kW)*	Same	Same	Same
Eng RPM	as	as	as
Fuel: Gal/hr *(l/h)*	shown	shown	shown
Hp. hr/gal *(kW.h/l)*	above	above	above
Maximum Torque rise % @ Engine RPM	50@1405	50@1405	46@1200
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	211.83@4.70	211.16@4.10	233.87@5.79
" *kW* " " ... *(km/h)*	*(157.96@7.56)*	*(157.46@6.59)*	*(174.39@9.32)*
100% Load ... HP@mph	184.86@5.24	*211.16@4.10	207.49@4.77
" " ... *(kW@km/h)*	*(137.85@8.43)*	**(157.46@6.59)*	*(154.73@7.68)*
Fuel: ... HP hr/gal *(kW.h/l)*	14.48 *(2.85)*	*15.71 *(3.09)*	15.23 *(3.00)*
75% Load ... HP@mph	143.35@5.43	*2000 engine	161.32@4.95
" " ... *(kW@km/h)*	*(106.89@8.74)*	rpm	*(120.30@7.97)*
Fuel: ... HP hr/gal *(kW.h/l)*	13.14 *(2.59)*	.....	14.20 *(2.80)*
50% Load ... HP@mph	96.43@5.48	.....	109.27@5.02
" " ... *(kW@km/h)*	*(71.91@8.82)*	.....	*(81.48@8.09)*
Fuel: ... HP hr/gal *(kW.h/l)*	11.28 *(2.22)*	.....	12.24 *(2.41)*
50% Load ... HP@mph	96.66@5.49	.....	109.42@5.03
" " ... *(kW@km/h)*	*(72.08@8.84)*	.....	*(81.60@8.10)*
Reduced Eng RPM	1700	.....	1708
Fuel: ... HP hr/gal*(kW.h/l)*	13.97 *(2.75)*	.....	15.03 *(2.96)*
Max Pull: ... lbs@mph	27225@2.26	28906@2.05	24299@2.95
" " ... *(kN@km/h)*	*(121.10@3.64)*	*(128.58@3.30)*	*(108.09@4.75)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	75.2	....	72.1
Bystander ... dB(A)	88.7	....	86.1
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	16520 *(73.5)*	16520 *(73.5)*	15387 *(68.4)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	34.6 *(131.0)*	34.6 *(131.0)*	35.2 *(133.2)*

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TRACTOR MODEL	8420 Dsl	8420T Dsl (Tested as 8410T Dsl)	8420T Dsl (Tested as 8410T Dsl)
Transmission	(Ballasted) 16 speed Powershift	(Unballasted) 16 speed Powershift	(Ballasted) 16 speed Powershift
NEBR SUM NO (Yr tested)	366 (2002)	313 (2000)	313 (2000)
ENGINE			
Bore and Stroke ..... in.	Turbo-Intr 4.56x5.06	Turbo-Intr 4.56x5.06	Turbo-Intr 4.56x5.06
" " " ..... *(mm)*	*(115.8x128.5)*	*(115.8x128.5)*	*(115.8x128.5)*
No. of Cylinders	6	6	6
Displacement ..... cu in *(ml)*	496 *(8134)*	496 *(8134)*	496 *(8134)*
Rated RPM	2200	2200	2200
Compression Ratio	16.5 to 1	16.5 to 1	16.5 to 1
CHASSIS			
Type	Whl Assist	Crawler	Crawler
Tires: No., Size, Ply ..... front	2; 380/85R34;**	Rubber	Rubber
rear	4; 480/80R46;***	Tracked	Tracked
Weight as tested ..... lbs *(kg)*	28070 *(12732)*	26545 *(12040)*	28795 *(13061)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	235.45@2200	236.75@2200	236.75@2200
" " " " " " ..... *(kW)*	*(175.58)*@2200	*(176.54)*@2200	*(176.54)*@2200
PTO RPM	1009	1009	1009
Fuel: Gal/hr *(l/h)*	13.66 *(51.69)*	13.66 *(51.70)*	13.66 *(51.70)*
Hp. hr/gal *(kWh/l)*	17.24 *(3.40)*	17.33 *(3.41)*	17.33 *(3.41)*
Max Pwr @ Std PTO RPM ..... HP			
" " " " " " .... *(kW)*	Same	Same	Same
Eng RPM	as	as	as
Fuel: Gal/hr *(l/h)*	shown	shown	shown
Hp. hr/gal *(kWh/l)*	above	above	above
Maximum Torque rise			
% @ Engine RPM	46@1200	49@1400	49@1400
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	236.51@5.81	232.61@4.68	235.55@4.75
" *kW* " " ..... *(km/h)*	*(176.36@9.35)*	*(173.45@7.53)*	*(175.65@7.64)*
100% Load ..... HP@mph	*236.51@5.81	205.84@5.24	*207.28@4.10
" " ..... *(kW@km/h)*	**(176.36@9.35)*	*(153.50@8.44)*	**(154.57@6.60)*
Fuel: ..... HP hr/gal *(kWh/l)*	*16.55*(3.26)*	15.01 *(2.96)*	*15.17 *(2.99)*
75% Load ..... HP@mph	*2000 engine	159.65@5.43	*2000 engine
" " ..... *(kW@km/h)*	rpm	*(119.05@8.74)*	rpm
Fuel: ..... HP hr/gal *(kWh/l)*	.....	14.01 *(2.76)*	.....
50% Load ..... HP@mph	.....	107.62@5.48	.....
" " ..... *(kW@km/h)*	.....	*(80.25@8.82)*	.....
Fuel: ..... HP hr/gal *(kWh/l)*	.....	12.16 *(2.40)*	.....
50% Load ..... HP@mph	.....	107.62@5.49	.....
" " ..... *(kW@km/h)*	.....	*(80.25@8.83)*	.....
Reduced Eng RPM	.....	1780	.....
Fuel: ..... HP hr/gal*(kWh/l)*	.....	14.19 *(2.79)*	.....
Max Pull: ..... lbs@mph	27380@2.58	27233@1.62	30541@1.30
" " ..... *(kN@km/h)*	*(121.79@4.14)*	*(121.14@2.60)*	*(135.85@2.09)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ..... dB(A)	.....	75.7	.....
Bystander ..... dB(A)	.....	89.7	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ..... lbs *(kN)*	15387 *(68.4)*	15749 *(70.1)*	15749 *(70.1)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	35.2 *(133.2)*	34.7*(131.4)*	34.7 *(131.4)*

TRACTOR MODEL	8520 Dsl (Unballasted)	8520 Dsl (Ballasted)	8520T Dsl (Unballasted)
Transmission	16 speed Powershift	16 speed Powershift	16 speed Powershift
NEBR SUM NO (Yr tested)	367 (2002)	367 (2002)	368 (2002)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ..... in.	4.56x5.06	4.56x5.06	4.56x5.06
" " " ..... *(mm)*	*(115.8x128.5)*	*(115.8x128.5)*	*(115.8x128.5)*
No. of Cylinders	6	6	6
Displacement ..... cu in *(ml)*	496 *(8134)*	496 *(8134)*	496 *(8134)*
Rated RPM	2200	2200	2200
Compression Ratio	16.5 to 1	16.5 to 1	16.5 to 1
CHASSIS	Front	Front	
Type	Whl Assist	Whl Assist	Crawler
Tires: No., Size, Ply ..... front	2; 380/85R34;**	4; 380/85R34;**	Rubber
rear	4; 480/80R46;***	6; 480/80R46;***	Tracked
Weight as tested ..... lbs *(kg)*	23975 *(10875)*	33755 *(15311)*	27455 *(12453)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	256.49@2200	256.49@2200	255.69@2200
" " " " " " ..... *(kW)*	*(191.26)*@2200	*(191.26)*@2200	*(190.87)*@2200
PTO RPM	1009	1009	1009
Fuel: Gal/hr *(l/h)*	14.97 *(56.68)*	14.97 *(56.68)*	14.89 *(56.36)*
Hp. hr/gal *(kWh/l)*	17.13 *(3.37)*	17.13 *(3.37)*	17.19 *(3.39)*
Max Pwr @ Std PTO RPM ..... HP			
" " " " " " .... *(kW)*	Same	Same	Same
Eng RPM	as	as	as
Fuel: Gal/hr *(l/h)*	shown	shown	shown
Hp. hr/gal *(kWh/l)*	above	above	above
Maximum Torque rise			
% @ Engine RPM	50@1301	50@1301	49@1400
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	256.36@5.77	260.15@5.04	250.35@5.49
" *kW* " " ..... *(km/h)*	*(191.17@9.29)*	*(193.99@8.12)*	*(186.69@8.84)*
100% Load ..... HP@mph	225.13@4.75	*260.15@5.04	219.23@4.46
" " ..... *(kW@km/h)*	*(167.88@7.65)*	**(193.99@8.12)*	*(163.48@7.18)*
Fuel: ..... HP hr/gal *(kWh/l)*	15.06 *(2.97)*	*16.15*(3.18)*	14.67 *(2.89)*
75% Load ..... HP@mph	175.85@4.95	*2000 engine	172.15@4.66
" " ..... *(kW@km/h)*	*(131.13@7.97)*	rpm	*(128.37@7.50)*
Fuel: ..... HP hr/gal *(kWh/l)*	14.10 *(2.78)*	.....	13.61 *(2.68)*
50% Load ..... HP@mph	119.29@5.03	.....	116.30@4.73
" " ..... *(kW@km/h)*	*(88.96@8.09)*	.....	*(86.72@7.61)*
Fuel: ..... HP hr/gal *(kWh/l)*	12.42 *(2.45)*	.....	11.85 *(2.33)*
50% Load ..... HP@mph	118.98@5.02	.....	116.72@4.74
" " ..... *(kW@km/h)*	*(88.72@8.08)*	.....	*(87.04@7.63)*
Reduced Eng RPM	1711	.....	1705
Fuel: ..... HP hr/gal*(kWh/l)*	15.35 *(3.02)*	.....	14.86 *(2.93)*
Max Pull: ..... lbs@mph	23531@3.39	35611@1.91	28249@2.32
" " ..... *(kN@km/h)*	*(104.67@5.46)*	*(158.40@3.08)*	*(125.66@3.74)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ..... dB(A)	73.7	.....	75.0
Bystander ..... dB(A)	86.9	.....	87.1
THREE POINT LIFT			
Force available			
@ 24" *(610 mm)* ..... lbs *(kN)*	15387 *(68.4)*	15387 *(68.4)*	16520 *(73.5)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	35.2 *(133.2)*	35.2 *(133.2)*	34.6 *(131.0)*

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TRACTOR MODEL	8520T Dsl (Ballasted)	9120 Dsl	9220 Dsl
Transmission	16 speed Powershift	18 speed Powershift	18 speed Powershift
NEBR SUM NO (Yr tested)	368 (2002)	376 (2002)	377 (2002)
ENGINE			
Bore and Stroke ... in.	Turbo-Intr 4.56x5.06	Turbo-Intr 4.56x5.06	Turbo-Intr 5.00x6.50
" " " ... *(mm)*	*(115.8x128.5)*	*(115.8x128.5)*	*(127.0x165.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	496 *(8134)*	496 *(8134)*	765 *(12536)*
Rated RPM	2200	2100	2100
Compression Ratio	16.5 to 1	17.0 to 1	17.0 to 1
CHASSIS			
Type	Crawler	4 Whl Dr	4 Whl Dr
Tires: No., Size, Ply ... front	Rubber	4; 620/70R46;***	4; 620/70R46;***
rear	Tracked	4; 620/70R46;***	4; 620/70R46;***
Weight as tested ... lbs *(kg)*	30895 *(14014)*	35550 *(16125)*	36680 *(16637)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	255.69@2200	244.57@2100	282.16@2100
" " " " " " ... *(kW)*	*(190.87)*@2200	*(182.37)*@2100	*(210.41)*@2100
PTO RPM	1009	1108	1108
Fuel: Gal/hr *(l/h)*	14.89 *(56.36)*	14.55 *(55.09)*	17.03 *(64.45)*
Hp. hr/gal *(kW.h/l)*	17.19 *(3.39)*	16.80 *(3.31)*	16.57 *(3.26)*
Max Pwr @ Std PTO RPM ..... HP		262.97@1003	317.95@1000
" " " " " " .... *(kW)*	Same	*(196.10)*@1003	*(237.10)*@1000
Eng RPM	as	1900	1894
Fuel: Gal/hr *(l/h)*	shown	14.42 *(54.58)*	17.62 *(66.70)*
Hp. hr/gal *(kW.h/l)*	above	18.24 *(3.59)*	18.05 *(3.55)*
Maximum Torque rise % @ Engine RPM	49@1400	42@1400	54@1398
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	255.31@4.72	237.41@4.53	300.80@4.75
" *kW* " " ... *(km/h)*	*(190.38@7.60)*	*(177.03@7.29)*	*(224.30@7.64)*
100% Load ... HP@mph	*255.31@4.72	226.02@5.01	264.34@4.50
" " ... *(kW@km/h)*	**(190.38@7.60)*	*(168.54@8.06)*	*(197.12@7.25)*
Fuel: ... HP hr/gal *(kW.h/l)*	*15.99*(3.15)*	15.59 *(3.07)*	15.56 *(3.06)*
75% Load ... HP@mph	*2000 engine	175.94@5.20	206.25@4.68
" " ... *(kW@km/h)*	rpm	*(131.20@8.38)*	*(153.80@7.52)*
Fuel: ... HP hr/gal *(kW.h/l)*	.....	14.51 *(2.86)*	14.00 *(2.76)*
50% Load ... HP@mph	.....	119.49@5.30	139.82@4.76
" " ... *(kW@km/h)*	.....	*(89.11@8.53)*	*(104.26@7.66)*
Fuel: ... HP hr/gal *(kW.h/l)*	.....	12.70 *(2.50)*	11.88 *(2.34)*
50% Load ... HP@mph	.....	119.35@5.29	139.90@4.78
" " ... *(kW@km/h)*	.....	*(89.00@8.52)*	*(104.32@7.69)*
Reduced Eng RPM	.....	1778	1774
Fuel: ... HP hr/gal *(kW.h/l)*	.....	14.71 *(2.90)*	13.86 *(2.73)*
Max Pull: ... lbs@mph	33031@2.07	35211@2.24	36064@2.32
" " ... *(kN@km/h)*	*(146.93@3.33)*	*(156.62@3.61)*	*(160.42@3.73)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	.....	74.7	73.8
Bystander ... dB(A)	.....	88.2	90.5
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	16520 *(73.5)*	13104 *(58.3)*	13104 *(58.3)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	34.6 *(131.0)*	48.2 *(182.5)*	48.8 *(184.7)*

TRACTOR MODEL	9320 Dsl	9320T Dsl (Unballasted)	9320T Dsl (Ballasted)
Transmission	18 speed Powershift	18 speed Powershift	18 speed Powershift
NEBR SUM NO (Yr tested)	369 (2002)	370 (2002)	370 (2002)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ..... in.	5.00x6.50	5.00x6.50	5.00x6.50
" " " ..... *(mm)*	*(127.0x165.0)*	*(127.0x165.0)*	*(127.0x165.0)*
No. of Cylinders	6	6	6
Displacement ..... cu in *(ml)*	765 *(12535)*	765 *(12535)*	765 *(12535)*
Rated RPM	2100	2100	2100
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS			
Type	4 Whl Dr	Crawler	Crawler
Tires: No., Size, Ply ..... front	4; 620/70R46;***	Rubber	Rubber
rear	4; 620/70R46;***	Tracked	Tracked
Weight as tested ..... lbs *(kg)*	36735 *(16663)*	43015 *(19511)*	46060 *(20892)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	333.43@2100	333.14@2100	333.14@2100
" " " " " ..... *(kW)*	*(248.64)*@2100	*(248.42)*@2100	*(248.42)*@2100
PTO RPM	1108	1108	1108
Fuel: Gal/hr *(l/h)*	18.97 *(71.81)*	19.66 *(74.43)*	19.66 *(74.43)*
Hp. hr/gal *(kWh/l)*	17.58 *(3.46)*	16.94 *(3.34)*	16.94 *(3.34)*
Max Pwr @ Std PTO RPM ..... HP	364.94@1000	358.95@1000	358.95@1000
" " " " " " .... *(kW)*	*(272.14)*@1000	*(267.67)*@1000	*(267.67)*@1000
Eng RPM	1895	1895	1895
Fuel: Gal/hr *(l/h)*	19.97 *(75.61)*	20.30 *(76.84)*	20.30 *(76.84)*
Hp. hr/gal *(kWh/l)*	18.27 *(3.60)*	17.68 *(3.48)*	17.68 *(3.48)*
Maximum Torque rise % @ Engine RPM	51@1200	55@1102	55@1102
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	343.01@4.69	347.58@5.36	352.48@4.30
" *kW* " " ..... *(km/h)*	*(255.79@7.54)*	*(259.19@8.63)*	*(262.84@6.92)*
100% Load ..... HP@mph	304.37@4.42	305.74@4.31	*352.48@4.30
" " ..... *(kW@km/h)*	*(226.97@7.11)*	*(227.99@6.94)*	**(262.84@6.92)*
Fuel: ..... HP hr/gal *(kWh/l)*	16.02 *(3.15)*	15.53 *(3.06)*	*16.02 *(3.16)*
75% Load ..... HP@mph	237.03@4.60	240.68@4.50	*1700 engine
" " ..... *(kW@km/h)*	*(176.75@7.41)*	*(179.47@7.25)*	rpm
Fuel: ..... HP hr/gal *(kWh/l)*	14.53 *(2.86)*	13.89 *(2.74)*	.....
50% Load ..... HP@mph	161.22@4.68	162.78@4.58	.....
" " ..... *(kW@km/h)*	*(120.22@7.53)*	*(121.39@7.37)*	.....
Fuel: ..... HP hr/gal *(kWh/l)*	12.66 *(2.49)*	11.79 *(2.32)*	.....
50% Load ..... HP@mph	161.34@4.68	163.49@4.59	.....
" " ..... *(kW@km/h)*	*(120.31@7.53)*	*(121.91@7.39)*	.....
Reduced Eng RPM	1770	1778	.....
Fuel: ..... HP hr/gal*(kWh/l)*	14.42 *(2.84)*	13.50 *(2.66)*	.....
Max Pull: ..... lbs@mph	38397@2.30	41473@1.93	45560@1.90
" " ..... *(kN@km/h)*	*(170.80@3.70)*	*(184.48@3.11)*	*(202.66@3.05)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ..... dB(A)	74.3	76.5	....
Bystander ..... dB(A)	90.6	92.7	....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ..... lbs *(kN)*	13104 *(58.3)*	13605 *(60.5)*	13605 *(60.5)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	49.1 *(185.9)*	51.5 *(194.9)*	51.5 *(194.9)*

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TRACTOR MODEL	9420 Dsl (Tested as 9400 Dsl) (Unballasted)	9420 Dsl (Tested as 9400 Dsl) (Ballasted)	9420T Dsl (Tested as 9400T Dsl) (Unballasted)
Transmission	24 speed PowrSync	24 speed PowrSync	24 speed PowrSync
NEBR SUM NO (Yr tested)	233 (1997)	233 (1997)	353 (2001)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	5.00x6.50	5.00x6.50	5.00x6.50
" " " ... *(mm)*	*(127.0x165.0)*	*(127.0x165.0)*	*(127.0x165.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	765 *(12535)*	765 *(12535)*	765 *(12535)*
Rated RPM	2100	2100	2100
Compression Ratio	16.0 to 1	16.0 to 1	17.0 to 1
CHASSIS			
Type	4 Whl Dr	4 Whl Dr	Crawler
Tires: No., Size, Ply ... front	4; 620/70R42;**	4; 620/70R42;**	Rubber
rear	4; 620/70R42;**	4; 620/70R42;**	Tracked
Weight as tested ... lbs *(kg)*	37410 *(16969)*	41456 *(18804)*	42620 *(19332)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	312.25@2100	312.25@2100	299.66@2100
" " " " " ... *(kW)*	*(232.85)*@2100	*(232.85)*@2100	*(223.46)*@2100
PTO RPM	1108	1108	1108
Fuel: Gal/hr *(l/h)*	17.20 *(65.11)*	17.20 *(65.11)*	17.66 *(66.85)*
Hp. hr/gal *(kWh/l)*	18.15 *(3.58)*	18.15 *(3.58)*	16.97 *(3.34)*
Max Pwr @ Std PTO RPM ..... HP	343.44@1003	343.44@1003	331.95@1000
" " " " " " .... *(kW)*	*(256.11)*@1003	*(256.11)*@1003	*(247.53)*@1000
Eng RPM	1900	1900	1895
Fuel: Gal/hr *(l/h)*	18.03 *(68.23)*	18.03 *(68.23)*	17.91 *(67.79)*
Hp. hr/gal *(kWh/l)*	19.05 *(3.75)*	19.05 *(3.75)*	18.54 *(3.65)*
Maximum Torque rise % @ Engine RPM	48@1101	48@1101	53@1099
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	370.70@5.52	374.20@5.02	366.42@4.88
" *kW* " " ... *(km/h)*	*(276.43@8.88)*	*(279.04@8.08)*	*(273.24@7.86)*
100% Load ... HP@mph	345.00@6.16	*374.20@5.02	323.43@4.41
" " ... *(kW@km/h)*	*(257.27@9.91)*	*(279.04@8.08)*	*(241.18@7.10)*
Fuel: ... HP hr/gal *(kWh/l)*	17.01 *(3.35)*	*17.55 *(3.46)*	16.07 *(3.17)*
75% Load ... HP@mph	265.52@6.30	*1900 engine	253.54@4.61
" " ... *(kW@km/h)*	*(198.00@10.14)*	rpm	*(189.07@7.42)*
Fuel: ... HP hr/gal *(kWh/l)*	16.15 *(3.18)*	.....	14.43 *(2.84)*
50% Load ... HP@mph	179.83@6.42	.....	171.87@4.69
" " ... *(kW@km/h)*	*(134.10@10.33)*	.....	*(128.17@7.55)*
Fuel: ... HP hr/gal *(kWh/l)*	14.67 *(2.89)*	.....	12.28 *(2.42)*
50% Load ... HP@mph	179.82@6.43	.....	171.69@4.68
" " ... *(kW@km/h)*	*(134.09@10.35)*	.....	*(128.03@7.53)*
Reduced Eng RPM	1583	.....	1871
Fuel: ... HP hr/gal *(kWh/l)*	15.97 *(3.15)*	.....	13.33 *(2.63)*
Max Pull: ... lbs@mph	38409@2.48	40758@2.47	42421@2.17
" " ... *(kN@km/h)*	*(170.85@4.00)*	*(181.30@3.97)*	*(188.70@3.48)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	76.2	.....	76.2
Bystander ... dB(A)	90.2	.....	91.2
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	13104 *(58.3)*	13104 *(58.3)*	13605 *(60.5)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	44.3 *(167.7)*	44.3 *(167.7)*	46.6 *(176.4)*

TRACTOR MODEL	9420T Dsl (Tested as 9400T Dsl)	9520 Dsl	9520 Dsl
Transmission	(Ballasted) 24 speed PowrSync	(Unballasted) 18 speed Powershift	(Ballasted) 18 speed Powershift
NEBR SUM NO (Yr tested)	353 (2001)	371 (2002)	371 (2002)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	5.00x6.50	5.00x6.50	5.00x6.50
" " " ... *(mm)*	*(127.0x165.0)*	*(127.0x165.0)*	*(127.0x165.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	765 *(12535)*	765 *(12535)*	765 *(12535)*
Rated RPM	2100	2100	2100
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS			
Type	Crawler	4 Whl Dr	4 Whl Dr
Tires: No., Size, Ply ... front	Rubber	6;480/80R46;***	6;480/80R46;***
rear	Tracked	6;480/80R46;***	6;480/80R46;***
Weight as tested ... lbs *(kg)*	49360 *(22389)*	38490 *(17458)*	44760 *(20303)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	299.66@2100	333.27@2100	333.27@2100
" " " " " " ... *(kW)*	*(223.46)*@2100	*(248.52)*@2100	*(248.52)*@2100
PTO RPM	1108	1108	1108
Fuel: Gal/hr *(l/h)*	17.66 *(66.85)*	19.40 *(73.46)*	19.40 *(73.46)*
Hp. hr/gal *(kWh/l)*	16.97 *(3.34)*	17.17 *(3.38)*	17.17 *(3.38)*
Max Pwr @ Std PTO RPM ..... HP	331.95@1000	359.14@1000	359.14@1000
" " " " " " .... *(kW)*	*(247.53)*@1000	*(267.81)*@1000	*(267.81)*@1000
Eng RPM	1895	1896	1896
Fuel: Gal/hr *(l/h)*	17.91 *(67.79)*	19.37 *(73.31)*	19.37 *(73.31)*
Hp. hr/gal *(kWh/l)*	18.54 *(3.65)*	18.54 *(3.65)*	18.54 *(3.65)*
Maximum Torque rise % @ Engine RPM	53@1099	47@1150	47@1150
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	366.43@4.90	411.97@6.75	414.08@6.76
" *kW* " " ... *(km/h)*	*(273.24@7.88)*	*(307.21@10.87)*	*(308.78@10.88)*
100% Load ... HP@mph	*366.43@4.90	350.08@4.65	*414.08@6.76
" " ... *(kW@km/h)*	**(273.24@7.88)*	*(261.05@7.48)*	**(308.78@10.88)*
Fuel: ... HP hr/gal *(kWh/l)*	*16.73 *(3.30)*	16.74 *(3.30)*	*16.98 *(3.35)*
75% Load ... HP@mph	*1800 engine	273.31@4.85	*1800 engine
" " ... *(kW@km/h)*	rpm	*(203.81@7.80)*	rpm
Fuel: ... HP hr/gal *(kWh/l)*	.....	15.10 *(2.98)*	.....
50% Load ... HP@mph	.....	186.09@4.93	.....
" " ... *(kW@km/h)*	.....	*(138.77@7.94)*	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	13.04 *(2.57)*	.....
50% Load ... HP@mph	.....	185.77@4.93	.....
" " ... *(kW@km/h)*	.....	*(138.53@7.93)*	.....
Reduced Eng RPM	.....	1775	.....
Fuel: ... HP hr/gal*(kWh/l)*	.....	14.80 *(2.92)*	.....
Max Pull: ... lbs@mph	49490@1.73	40365@2.19	46190@2.17
" " ... *(kN@km/h)*	*(220.14@2.79)*	*(179.55@3.52)*	*(205.46@3.50)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	.....	77.1	.....
Bystander ... dB(A)	.....	91.1	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	13605 *(60.5)*	13104 *(58.3)*	13104 *(58.3)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	46.6 *(176.4)*	50.1 *(189.6)*	50.1 *(189.6)*

JOHN DEERE

TRACTOR MODEL	9520T Dsl (Unballasted)	9520T Dsl (Ballasted)	9620 Dsl (Unballasted)
Transmission	18 speed Powershift	18 speed Powershift	18 speed Powershift
NEBR SUM NO (Yr tested)	372 (2002)	372 (2002)	448 (2004)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	5.00x6.50	5.00x6.50	5.00x6.50
" " " ... *(mm)*	*(127.0x165.0)*	*(127.0x165.0)*	*(127.0x165.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	765 *(12535)*	765 *(12535)*	765 *(12535)*
Rated RPM	2100	2100	2100
Compression Ratio	17.0 to 1	17.0 to 1	14.7 to 1
CHASSIS			
Type	Crawler	Crawler	4 Whl Dr
Tires: No., Size, Ply ... front	Rubber	Rubber	6;480/80R46;***
rear	Tracked	Tracked	6;480/80R46;***
Weight as tested ... lbs *(kg)*	43585 *(19770)*	50000 *(22679)*	39275 *(17815)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	333.00@2100	333.00@2100	333.15@2100
" " " " " " ... *(kW)*	*(248.32)*@2100	*(248.32)*@2100	*(248.43)*@2100
PTO RPM	1108	1108	1109
Fuel: Gal/hr *(l/h)*	19.63 *(74.29)*	19.63 *(74.29)*	18.76 *(71.03)*
Hp. hr/gal *(kWh/l)*	16.97 *(3.34)*	16.97 *(3.34)*	17.75 *(3.50)*
Max Pwr @ Std PTO RPM ..... HP	357.43@1000	357.43@1000	370.67@1000
" " " " " " .... *(kW)*	*(266.53)*@1000	*(266.53)*@1000	*(276.41)*@1000
Eng RPM	1895	1895	1894
Fuel: Gal/hr *(l/h)*	19.41 *(73.48)*	19.41 *(73.48)*	20.01 *(75.76)*
Hp. hr/gal *(kWh/l)*	18.41 *(3.63)*	18.41 *(3.63)*	18.52 *(3.65)*
Maximum Torque rise % @ Engine RPM	46@1100	46@1100	48@1252
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	403.84@5.64	407.84@5.10	470.29@6.83
" *kW* " " ... *(km/h)*	*(301.14@9.08)*	*304.12@8.21)*	*(350.70@10.99)*
100% Load ... HP@mph	354.72@4.23	*407.84@5.10	397.47@4.68
" " ... *(kW@km/h)*	*(264.52@6.81)*	**(304.12@8.21)*	*(296.39@7.53)*
Fuel: ... HP hr/gal *(kWh/l)*	15.76 *(3.10)*	*16.26 *(3.20)*	16.62 *(3.27)*
75% Load ... HP@mph	282.15@4.48	*1800 engine	310.92@4.89
" " ... *(kW@km/h)*	*(210.40@7.21)*	rpm	*(231.86@7.87)*
Fuel: ... HP hr/gal *(kWh/l)*	14.45 *(2.85)*	.....	15.45 *(3.04)*
50% Load ... HP@mph	191.91@4.57	.....	211.17@4.99
" " ... *(kW@km/h)*	*(143.11@7.35)*	.....	*(157.47@8.03)*
Fuel: ... HP hr/gal *(kWh/l)*	12.15 *(2.39)*	.....	14.19 *(2.80)*
50% Load ... HP@mph	191.09@4.55	.....	211.77@5.00
" " ... *(kW@km/h)*	*(142.50@7.32)*	.....	*(157.92@8.04)*
Reduced Eng RPM	1770	.....	1785
Fuel: ... HP hr/gal*(kWh/l)*	13.84 *(2.73)*	.....	15.82 *(3.12)*
Max Pull: ... lbs@mph	43053@1.94	50817@1.89	40614@2.70
" " ... *(kN@km/h)*	*(191.51@3.12)*	*(226.05@3.04)*	*(180.66@4.34)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	75.2	.....	73.6
Bystander ... dB(A)	93.7	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	13605 *(60.5)*	13605 *(60.5)*	13104 *(58.3)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	50.8 *(192.3)*	50.8 *(192.3)*	49.7 *(188.1)*

TRACTOR MODEL	9620 Dsl (Ballasted)	9620T Dsl (Unballasted)	9620T Dsl (Ballasted)
Transmission	18 speed Powershift	18 speed Powershift	18 speed Powershift
NEBR SUM NO (Yr tested)	448 (2004)	449 (2004)	449 (2004)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	5.00x6.50	5.00x6.50	5.00x6.50
" " " ... *(mm)*	*(127.0x165.0)*	*(127.0x165.0)*	*(127.0x165.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	765 *(12535)*	765 *(12535)*	765 *(12535)*
Rated RPM	2100	2100	2100
Compression Ratio	14.7 to 1	14.7 to 1	14.7 to 1
CHASSIS			
Type	4 Whl Dr	Crawler	Crawler
Tires: No., Size, Ply ... front	6;480/80R46;***	Rubber	Rubber
rear	6;480/80R46;***	Tracked	Tracked
Weight as tested ... lbs *(kg)*	50045 *(22700)*	43555 *(19756)*	50000 *(22679)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM ... HP	333.15@2100	324.10@2100	324.10@2100
" " " " " " ... *(kW)*	*(248.43)*@2100	*(241.68)*@2100	*(241.68)*@2100
PTO RPM	1109	1108	1108
Fuel: Gal/hr *(l/h)*	18.76 *(71.03)*	19.14 *(72.46)*	19.14 *(72.46)*
Hp. hr/gal *(kW.h/l)*	17.75 *(3.50)*	16.93 *(3.34)*	16.93 *(3.34)*
Max Pwr @ Std PTO RPM ... HP	370.67@1000	363.53@1000	363.53@1000
" " " " " " ... *(kW)*	*(276.41)*@1000	*(271.08)*@1000	*(271.08)*@1000
Eng RPM	1894	1894	1894
Fuel: Gal/hr *(l/h)*	20.01 *(75.76)*	20.22 *(76.55)*	20.22 *(76.55)*
Hp. hr/gal *(kW.h/l)*	18.52 *(3.65)*	17.98 *(3.54)*	17.98 *(3.54)*
Maximum Torque rise % @ Engine RPM	48@1252	51@1051	51@1051
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	472.40@6.85	454.48@6.21	454.87@6.25
" *kW* " " ... *(km/h)*	*(352.27@11.02)*	*(338.91@9.99)*	*(339.20@10.06)*
100% Load ... HP@mph	**472.40@6.85*	381.79@4.16	**454.87@6.25*
" " ... *(kW@km/h)*	**(352.27@11.02)*	*(284.70@6.69)	**(339.20@10.06)*
Fuel: ... HP hr/gal *(kW.h/l)*	*17.17*(3.38)*	14.87 *(2.93)*	*15.81*(3.11)*
75% Load ... HP@mph	*1800 engine	307.61@4.46	*1800 engine
" " ... *(kW@km/h)*	rpm	*(229.38@7.17)*	rpm
Fuel: ... HP hr/gal *(kW.h/l)*	.....	14.21 *(2.80)*	.....
50% Load ... HP@mph	.....	210.59@4.58	.....
" " ... *(kW@km/h)*	.....	*(157.03@7.38)*	.....
Fuel: ... HP hr/gal *(kW.h/l)*	.....	12.83 *(2.53)*	.....
50% Load ... HP@mph	.....	211.58@4.60	.....
" " ... *(kW@km/h)*	.....	*(157.77@7.41)*	.....
Reduced Eng RPM	.....	1789	.....
Fuel: ... HP hr/gal*(kW.h/l)*	.....	14.88 *(2.93)*	.....
Max Pull: ... lbs@mph	51197@2.16	40581@2.55	48991@1.90
" " ... *(kN@km/h)*	*(227.74@3.47)*	*(180.51@4.10)*	*(217.92@3.06)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	....	73.7	....
Bystander ... dB(A)	....	.....	....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	13104 *(58.3)*	13605 *(60.5)*	13605 *(60.5)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	49.7 *(188.1)*	50.0 *(189.3)*	50.0 *(189.3)*

KUBOTA

TRACTOR MODEL	M5700DT Dsl	M6800DT Dsl	M9000DT Dsl
Transmission	12 speed	8 speed	8 speed
NEBR SUM NO (Yr tested)	480 (2000)	501 (1998)	502 (1998)
ENGINE			Turbo-Intr
Bore and Stroke in.	3.425x3.638	3.858x4.331	3.858x4.331
" " " (mm)	*(87.0x92.4)*	*(98.0x110.0)*	*(98.0x110.0)*
No. of Cylinders	5	4	4
Displacement cu in *(ml)*	168 *(2746)*	202 *(3318)*	202 *(3318)*
Rated RPM	2800	2600	2600
Compression Ratio	23.0 to 1	22.6 to 1	21.8 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply front	2; 9.5-22; 6	2; 9.5-24; 6	2; 12.4-24; 6
rear	2; 16.9-28; 6	2; 16.9-30; 6	2; 18.4-30; 6
Weight as tested lbs *(kg)*	7070 *(3207)*	8580 *(3891)*	9715 *(4406)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM HP	52.6@2800	62.1@2600	80.3@2600
" " " " " " *(kW)*	*(39.2)*@2800	*(46.3)*@2600	*(59.9)*@2600
PTO RPM	655	612	637
Fuel: Gal/hr *(l/h)*	3.79 *(14.36)*	4.16 *(15.73)*	5.39 *(20.39)*
Hp. hr/gal *(kWh/l)*	13.86 *(2.73)*	14.91 *(2.94)*	14.91 *(2.94)*
Max Pwr @ Std PTO RPM HP	50.4@540	62.9@540	79.4@540
" " " " " " *(kW)*	*(37.6)*@540	*(46.9)*@540	*(59.2)*@540
Eng RPM	2307	2295	2205
Fuel: Gal/hr *(l/h)*	3.37 *(12.76)*	4.01 *(15.16)*	4.87 *(18.42)*
Hp. hr/gal *(kWh/l)*	14.97 *(2.95)*	15.70 *(3.09)*	16.29 *(3.21)*
Maximum Torque rise % @ Engine RPM	24@1500	31@1400	31@1500
DRAWBAR PERFORMANCE			
Max HP (Short Term) @mph	48.1@4.99	57.0@4.81	73.4@5.93
" *kW* " " *(km/h)*	*(35.9@8.03)*	*(42.5@7.74)*	*(54.7@9.54)*
100% Load HP@mph	48.1@4.99	57.0@4.81	73.4@5.93
" " *(kW@km/h)*	*(35.9@8.03)*	*(42.5@7.74)*	*(54.7@5.93)*
Fuel: HP hr/gal *(kWh/l)*	12.69 *(2.50)*	13.15 *(2.59)*	13.76 *(2.71)*
75% Load HP@mph	37.7@5.21	45.8@5.15	58.2@4.92
" " *(kW@km/h)*	*(28.1@8.39)*	*(34.1@8.28)*	*(43.4@7.92)*
Fuel: HP hr/gal *(kWh/l)*	11.54 *(2.27)*	12.94 *(2.55)*	12.64 *(2.49)*
50% Load HP@mph	.....	.....	.....
" " *(kW@km/h)*	.....	.....	.....
Fuel: HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load HP@mph	.....	.....	.....
" " *(kW@km/h)*	.....	.....	.....
Reduced Eng RPM	.....	.....	.....
Fuel: HP hr/gal *(kWh/l)*	.....	.....	.....
Max Pull: lbs@mph	6645@2.01	7235@1.99	8985@2.10
" " *(kN@km/h)*	*(29.56@3.24)*	*(32.18@3.20)*	*(39.96@3.38)*
MAXIMUM SOUND LEVEL	w/o cab	w/o cab	w/cab
At Operator's Ear dB(A)	91.9	88.2	79.9
Bystander dB(A)	84.5	83.0	82.0
THREE POINT LIFT			
Force available @ 24" *(610 mm)* lbs *(kN)*	2840 *(12.6)*	2760 *(12.3)*	3595 *(16.0)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	11.0 *(41.6)*	11.7 *(44.4)*	17.2 *(65.0)*

TRACTOR MODEL	M120DT Dsl
Transmission	16 speed Powershift
NEBR SUM NO (Yr tested)	503 (1999)
ENGINE	Turbochgr
Bore and Stroke ... in.	4.291x4.922
" " " ... *(mm)*	*(109.0x125.0)*
No. of Cylinders	5
Displacement ... cu in *(ml)*	356 *(5832)*
Rated RPM	2400
Compression Ratio	19.0 to 1
CHASSIS	Front
Type	Whl Assist
Tires: No., Size, Ply ... front	2; 14.9R24; **
rear	2; 18.4R38; **
Weight as tested ... lbs *(kg)*	12985 *(5890)*
PTO PERFORMANCE	
Max Pwr @ Rated Eng RPM .... HP	100.3@2400
" " " " " " ... *(kW)*	*(74.8)*@2400
PTO RPM	1086
Fuel: Gal/hr *(l/h)*	6.39 *(24.17)*
Hp. hr/gal *(kWh/l)*	15.68 *(3.09)*
Max Pwr @ Std PTO RPM ..... HP	102.3@1000
" " " " " " .... *(kW)*	*(59.2)*@1000
Eng RPM	2211
Fuel: Gal/hr *(l/h)*	6.11 *(23.12)*
Hp. hr/gal *(kWh/l)*	16.74 *(3.30)*
Maximum Torque rise % @ Engine RPM	39@1500
DRAWBAR PERFORMANCE	
Max HP (Short Term) ... @mph	89.3@4.11
" *kW* " " ... *(km/h)*	*(66.6@6.62)*
100% Load ... HP@mph	89.3@4.11
" " ... *(kW@km/h)*	*(66.6@6.62)*
Fuel: ... HP hr/gal *(kWh/l)*	14.57 *(2.87)*
75% Load ... HP@mph	73.2@4.22
" " ... *(kW@km/h)*	*(54.6@6.80)*
Fuel: ... HP hr/gal *(kWh/l)*	12.54 *(2.47)*
50% Load ... HP@mph	.....
" " ... *(kW@km/h)*	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....
50% Load ... HP@mph	.....
" " ... *(kW@km/h)*	.....
Reduced Eng RPM	.....
Fuel: ... HP hr/gal*(kWh/l)*	.....
Max Pull: ... lbs@mph	8985@2.10
" " ... *(kN@km/h)*	*(39.96@3.38)*
MAXIMUM SOUND LEVEL	w/cab
At Operator's Ear ... dB(A)	73.9
Bystander ... dB(A)	86.0
THREE POINT LIFT	
Force available @ 24" *(610 mm)* ... lbs *(kN)*	3280 *(14.6)*
HYDRAULIC FLOW	
Gal/min *(l/min)*	20.1 *(76.0)*

MASSEY FERGUSON

TRACTOR MODEL	451 Dsl	471 Dsl	481 Dsl
Transmission	8 speed	8 speed	8 speed
NEBR SUM NO (Yr tested)	1863 (2005)	1864 (2005)	1865 (2005)
ENGINE			
Bore and Stroke ... in.	4.134x5.00	4.134x5.00	4.134x5.00
" " " ... *(mm)*	*(105.0x127.0)*	*(105.0x127.0)*	*(105.0x127.0)*
No. of Cylinders	3	4	4
Displacement ... cu in *(ml)*	201 *(3300)*	268 *(4400)*	268 *(4400)*
Rated RPM	2200	2200	2200
Compression Ratio	19.2 to 1	19.3 to 1	18.2 to 1
CHASSIS	Front		
Type	Whl Assist	Standard	Standard
Tires: No., Size, Ply ... front	2; 12.5/80-18;10	2; 9.5L-15; 6	2; 9.5L-15; 6
rear	2; 14.9-24; 6	2; 16.9-30; 8	2; 16.9-30; 8
Weight as tested ... lbs *(kg)*	5580 *(2531)*	6185 *(2806)*	6175 *(2801)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	47.74@2200	64.28@2200	73.61@2200
" " " " " ... *(kW)*	*(35.60)*@2200	*(47.94)*@2200	*(54.89)*@2200
PTO RPM	623	622	664
Fuel: Gal/hr *(l/h)*	3.05 *(11.55)*	4.27 *(16.17)*	4.89 *(18.50)*
Hp. hr/gal *(kWh/l)*	15.64 *(3.08)*	15.05 *(2.96)*	15.06 *(2.97)*
Max Pwr @ Std PTO RPM ..... HP	46.57@540	64.17@540	67.07@540
" " " " " " .... *(kW)*	*(34.72)*@540	*(47.85)*@540	*(50.02)*@540
Eng RPM	1909	1909	1790
Fuel: Gal/hr *(l/h)*	2.80 *(10.60)*	4.13 *(15.65)*	4.31 *(16.32)*
Hp. hr/gal *(kWh/l)*	16.62 *(3.28)*	15.52 *(3.06)*	15.56 *(3.06)*
Maximum Torque rise % @ Engine RPM	30@1252	31@1053	21@1101
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	.....	.....	.....
" *kW* " " ... *(km/h)*	.....	.....	.....
100% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
75% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Reduced Eng RPM	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
Max Pull: ... lbs@mph	.....	.....	.....
" " ... *(kN@km/h)*	.....	.....	.....
MAXIMUM SOUND LEVEL	w/o cab	w/o cab	w/o cab
At Operator's Ear ... dB(A)	94.6	94.1	94.4
Bystander ... dB(A)	....	....	....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	2786 *(12.4)*	3391 *(15.1)*	3391 *(15.1)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	10.3 *(39.0)*	10.0 *(37.9)*	11.0 *(41.6)*

TRACTOR MODEL	491 Dsl	492 Dsl
Transmission	12 speed	12 speed
NEBR SUM NO (Yr tested)	1851 (2005)	1852 (2005)
ENGINE	Turbochgr	Turbochgr
Bore and Stroke ... in.	4.134x5.00	4.134x5.00
" " " ... *(mm)*	*(105.0x127.0)*	*(105.0x127.0)*
No. of Cylinders	4	4
Displacement ... cu in *(ml)*	268 *(4400)*	268 *(4400)*
Rated RPM	2200	2200
Compression Ratio	18.2 to 1	18.2 to 1
CHASSIS	Front	Front
Type	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 12.4-24; 6	2; 14.9-24; 6
rear	2; 18.4-30; 8	2; 18.4-34; 10
Weight as tested ... lbs *(kg)*	7610 *(3452)*	8560 *(3883)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	78.81@2200	87.61@2200
" " " " " " ... *(kW)*	*(58.77)*@2200	*(65.33)*@2200
PTO RPM	1158	1158
Fuel: Gal/hr *(l/h)*	4.95 *(18.73)*	5.55 *(20.26)*
Hp. hr/gal *(kWh/l)*	15.92 *(3.14)*	16.22 *(3.20)*
Max Pwr @ Std PTO RPM ... HP	84.16@1000	90.37@1000
" " " " " " .... *(kW)*	*(62.76)*@1000	*(67.39)*@1000
Eng RPM	1900	1900
Fuel: Gal/hr *(l/h)*	4.86 *(18.40)*	5.09 *(19.28)*
Hp. hr/gal *(kWh/l)*	17.31 *(3.41)*	17.74 *(3.49)*
Maximum Torque rise % @ Engine RPM	50@1199	40@1298
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	.....	.....
" *kW* " " ... *(km/h)*	.....	.....
100% Load ... HP@mph	.....	.....
" " ... *(kW@km/h)*	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....
75% Load ... HP@mph	.....	.....
" " ... *(kW@km/h)*	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....
50% Load ... HP@mph	.....	.....
" " ... *(kW@km/h)*	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....
50% Load ... HP@mph	.....	.....
" " ... *(kW@km/h)*	.....	.....
Reduced Eng RPM	.....	.....
Fuel: ... HP hr/gal*(kWh/l)*	.....	.....
Max Pull: ... lbs@mph	.....	.....
" " ... *(kN@km/h)*	.....	.....
MAXIMUM SOUND LEVEL	w/o cab	w/cab
At Operator's Ear ... dB(A)	94.7	81.1
Bystander ... dB(A)	87.6	....
THREE POINT LIFT		
Force available @ 24" *(610 mm)* ... lbs *(kN)*	3682 *(16.4)*	3682 *(16.4)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	10.0 *(37.9)*	10.0 *(37.9)*

MASSEY FERGUSON

TRACTOR MODEL	5435 Dsl (2WD)	5435 Dsl (FWA)	5445 Dsl (2WD)
Transmission	16 speed Pwrshift	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	510 (2005)	510 (2005)	511 (2004)
ENGINE			Turbochgr
Bore and Stroke ... in.	4.134x5.00	4.134x5.00	4.134x5.00
" " " ... *(mm)*	*(105.0x127.0)*	*(105.0x127.0)*	*(105.0x127.0)*
No. of Cylinders	4	4	4
Displacement ... cu in *(ml)*	268 *(4400)*	268 *(4400)*	268 *(4400)*
Rated RPM	2200	2200	2200
Compression Ratio	19.3 to 1	19.3 to 1	17.5 to 1
CHASSIS		Front	
Type	Standard	Whl Assist	Standard
Tires: No., Size, Ply ... front	2; 7.50-16; 6	2; 14.9R24;**	2; 10.00-16; 8
rear	2; 18.4R34;**	2; 18.4R34;**	2; 480/70R38;**
Weight as tested ... lbs *(kg)*	8885 *(4030)*	9515 *(4315)*	8840 *(4010)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	61.0@2199	61.0@2199	70.7@2200
" " " " " ... *(kW)*	*(45.5)*@2199	*(45.5)*@2199	*(52.7)*@2200
PTO RPM	1100	1100	1100
Fuel: Gal/hr *(l/h)*	4.02 *(15.21)*	4.02 *(15.21)*	4.99 *(18.88)*
Hp. hr/gal *(kWh/l)*	15.13 *(2.98)*	15.13 *(2.98)*	14.16 *(2.79)*
Max Pwr @ Std PTO RPM ... HP	59.7@1000	59.7@1000	73.4@1000
" " " " " .... *(kW)*	*(44.5)*@1000	*(44.5)*@1000	*(54.7)*@1000
Eng RPM	2000	2000	2000
Fuel: Gal/hr *(l/h)*	3.70 *(14.01)*	3.70 *(14.01)*	4.77 *(18.05)*
Hp. hr/gal *(kWh/l)*	16.13 *(3.18)*	16.13 *(3.18)*	15.40 *(3.03)*
Maximum Torque rise % @ Engine RPM	20@1349	20@1349	48@1303
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	50.8@6.07	50.2@3.13	62.6@4.90
" *kW* " " ... *(km/h)*	*(37.9@9.77)*	*(37.4@5.04)*	*(46.7@7.90)*
100% Load ... HP@mph	48.4@6.26	48.5@3.26	55.8@4.41
" " ... *(kW@km/h)*	*(36.1@10.08)*	*(36.2@5.24)*	*(41.6@7.10)*
Fuel: ... HP hr/gal *(kWh/l)*	12.54 *(2.47)*	12.33 *(2.43)*	12.64 *(2.49)*
75% Load ... HP@mph	37.5@6.44	38.0@3.38	43.2@4.52
" " ... *(kW@km/h)*	*(28.0@10.36)*	*(28.3@5.44)*	*(32.2@7.28)*
Fuel: ... HP hr/gal *(kWh/l)*	10.80 *(2.13)*	11.87 *(2.34)*	10.00 *(1.97)*
50% Load ... HP@mph	25.7@6.59	26.1@3.48	29.4@4.62
" " ... *(kW@km/h)*	*(19.2@10.61)*	*(19.5@5.60)*	*(21.9@7.43)*
Fuel: ... HP hr/gal *(kWh/l)*	8.27 *(1.63)*	8.78 *(1.73)*	8.05 *(1.59)*
50% Load ... HP@mph	25.5@6.51	26.3@3.51	29.1@4.58
" " ... *(kW@km/h)*	*(19.0@10.48)*	*(19.6@5.64)*	*(21.7@7.37)*
Reduced Eng RPM	1783	1831	2087
Fuel: ... HP hr/gal*(kWh/l)*	10.56 *(2.08)*	11.07 *(2.18)*	8.81 *(1.74)*
Max Pull: ... lbs@mph	6880@2.16	8385@2.05	7255@2.77
" " ... *(kN@km/h)*	*(30.6@3.48)*	*(37.3@3.30)*	*(32.3@4.45)*
MAXIMUM SOUND LEVEL	w/o cab	w/o cab	w/cab
At Operator's Ear ... dB(A)	91.1	91.1	77.3
Bystander ... dB(A)	86.9	....	88.2
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	7285 *(32.4)*	7285 *(32.4)*	7285 *(32.4)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	15.9 *(60.4)*	15.9 *(60.4)*	15.6 *(59.1)*

TRACTOR MODEL	5445 Dsl (FWA)	5455 Dsl (2WD)	5455 Dsl (FWA)
Transmission	16 speed Pwrshift	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	511 (2004)	512 (2004)	512 (2004)
ENGINE	Turbochgr	Turbochgr	Turbochgr
Bore and Stroke ... in.	4.134x5.00	4.134x5.00	4.134x5.00
" " " ... *(mm)*	*(105.0x127.0)*	*(105.0x127.0)*	*(105.0x127.0)*
No. of Cylinders	4	4	4
Displacement ... cu in *(ml)*	268 *(4400)*	268 *(4400)*	268 *(4400)*
Rated RPM	2200	2200	2200
Compression Ratio	17.5 to 1	17.5 to 1	17.5 to 1
CHASSIS	Front		Front
Type	Whl Assist	Standard	Whl Assist
Tires: No., Size, Ply ... front	2; 13.6R28; **	2; 10.00-16; 8	2; 14.9R28;**
rear	2; 480/70R38;**	2; 18.4R38;**	2; 18.4R38;**
Weight as tested ... lbs *(kg)*	9445 *(4285)*	8885 *(4030)*	9445 *(4285)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	70.7@2200	80.2@2200	80.2@2200
" " " " " " ... *(kW)*	*(52.7)*@2200	*(59.8)*@2200	*(59.8)*@2200
PTO RPM	1100	1100	1100
Fuel: Gal/hr *(l/h)*	4.99 *(18.88)*	5.22 *(19.75)*	5.22 *(19.75)*
Hp. hr/gal *(kW.h/l)*	14.16 *(2.79)*	15.37 *(3.03)*	15.37 *(3.03)*
Max Pwr @ Std PTO RPM ..... HP	73.4@1000	82.5@1000	82.5@1000
" " " " " " .... *(kW)*	*(54.7)*@1000	*(61.5)*@1000	*(61.5)*@1000
Eng RPM	2000	2000	2000
Fuel: Gal/hr *(l/h)*	4.77 *(18.05)*	4.94 *(16.69)*	4.94 *(16.69)*
Hp. hr/gal *(kW.h/l)*	15.40 *(3.03)*	16.69 *(3.29)*	16.69 *(3.29)*
Maximum Torque rise % @ Engine RPM	48@1303	41@1300	41@1300
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	65.7@5.13	67.1@5.30	68.3@5.50
" *kW* " " ... *(km/h)*	*(49.0@8.26)*	*(50.0@8.53)*	*(50.9@8.85)*
100% Load ... HP@mph	60.5@6.15	65.6@6.01	66.8@6.18
" " ... *(kW@km/h)*	*(45.1@9.89)*	*(48.9@9.67)*	*(49.8@9.95)*
Fuel: ... HP hr/gal *(kW.h/l)*	12.23 *(2.41)*	12.93 *(2.55)*	12.33 *(2.43)*
75% Load ... HP@mph	46.8@6.34	51.5@6.28	51.8@6.40
" " ... *(kW@km/h)*	*(34.9@10.20)*	*(38.4@10.10)*	*(38.6@10.30)*
Fuel: ... HP hr/gal *(kW.h/l)*	10.52 *(2.07)*	11.22 *(2.21)*	10.61 *(2.09)*
50% Load ... HP@mph	31.5@6.42	35.1@6.38	35.3@6.52
" " ... *(kW@km/h)*	*(23.5@10.33)*	*(26.2@10.26)*	*(26.3@10.50)*
Fuel: ... HP hr/gal *(kW.h/l)*	8.14 *(1.60)*	8.93 *(1.76)*	9.13 *(1.80)*
50% Load ... HP@mph	32.1@6.46	35.1@6.38	35.3@6.52
" " ... *(kW@km/h)*	*(23.9@10.40)*	*(26.2@10.26)*	*(26.3@10.50)*
Reduced Eng RPM	1797	1802	1804
Fuel: ... HP hr/gal*(kW.h/l)*	10.04 *(1.98)*	11.78 *(2.32)*	11.10 *(2.19)*
Max Pull: ... lbs@mph	8680@2.22	6835@3.37	8725@2.74
" " ... *(kN@km/h)*	*(38.6@3.58)*	*(30.4@5.42)*	*(38.8@4.42)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	77.3	75.2	75.2
Bystander ... dB(A)	. . . . .	88.3	. . . . .
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	7285 *(32.4)*	7285 *(32.4)*	7285 *(32.4)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	15.6 *(59.1)*	15.6 *(59.1)*	15.6 *(59.1)*

MASSEY FERGUSON

TRACTOR MODEL	5460 Dsl (2WD)	5460 Dsl (FWA)
Transmission	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	513 (2004)	513 (2004)
ENGINE	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.134x5.00	4.134x5.00
" " " ... *(mm)*	*(105.0x127.0)*	*(105.0x127.0)*
No. of Cylinders	4	4
Displacement ... cu in *(ml)*	268 *(4400)*	268 *(4400)*
Rated RPM	2200	2200
Compression Ratio	17.5 to 1	17.5 to 1
CHASSIS		Front
Type	Standard	Whl Assist
Tires: No., Size, Ply ... front	2; 10.00-16; 8	2; 14.9R28;**
rear	2; 18.4R38;**	2; 18.4R38;**
Weight as tested ... lbs *(kg)*	9350 *(4240)*	10150 *(4585)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	90.8@2202	90.8@2202
" " " " " " ... *(kW)*	*(67.7)@2202*	*(67.7)@2202*
PTO RPM	1101	1101
Fuel: Gal/hr *(l/h)*	6.18 *(23.41)*	6.18 *(23.41)*
Hp. hr/gal *(kWh/l)*	14.68 *(2.89)*	14.68 *(2.89)*
Max Pwr @ Std PTO RPM ..... HP	96.2@1000	96.2@1000
" " " " " " .... *(kW)*	*(71.7)@1000*	*(71.7)@1000*
Eng RPM	2000	2000
Fuel: Gal/hr *(l/h)*	5.83 *(22.06)*	5.83 *(22.06)*
Hp. hr/gal *(kWh/l)*	16.50 *(3.25)*	16.50 *(3.25)*
Maximum Torque rise % @ Engine RPM	50@1373	50@1373
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	82.9@6.37	79.7@4.97
" *kW* " " ... *(km/h)*	*(61.8@10.25)*	*(59.4@8.00)*
100% Load ... HP@mph	77.4@7.90	73.0@6.20
" " ... *(kW@km/h)*	*(57.7@12.72)*	*(54.4@9.98)*
Fuel: ... HP hr/gal *(kWh/l)*	12.33 *(2.43)*	11.77 *(2.32)*
75% Load ... HP@mph	60.2@8.15	56.7@6.43
" " ... *(kW@km/h)*	*(44.9@13.12)*	*(42.3@10.42)*
Fuel: ... HP hr/gal *(kWh/l)*	10.47 *(2.06)*	10.30 *(2.03)*
50% Load ... HP@mph	40.9@8.31	38.5@6.56
" " ... *(kW@km/h)*	*(30.5@13.38)*	*(28.7@10.56)*
Fuel: ... HP hr/gal *(kWh/l)*	8.23 *(1.62)*	7.41 *(1.46)*
50% Load ... HP@mph	41.4@8.31	38.2@6.57
" " ... *(kW@km/h)*	*(30.9@13.38)*	*(28.5@10.58)*
Reduced Eng RPM	1905	1813
Fuel: ... HP hr/gal*(kWh/l)*	10.71 *(2.11)*	9.99 *(1.97)*
Max Pull: ... lbs@mph	6900@3.42	8385@3.14
" " ... *(kN@km/h)*	*(30.7@5.51)*	*(37.3@5.05)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ... dB(A)	79.5	79.4
Bystander ... dB(A)	86.2	86.2
THREE POINT LIFT		
Force available @ 24" *(610 mm)* ... lbs *(kN)*	7285 *(32.4)*	7285 *(32.4)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	16.6 *(63.0)*	16.6 *(63.0)*

TRACTOR MODEL	6465 Dsl (2WD)	6465 Dsl (FWA)	6475 Dsl (2WD)
Transmission	32 speed Dynashift	32 speed Dynashift	32 speed Dynashift
NEBR SUM NO (Yr tested)	464 (2004)	464 (2004)	465 (2004)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	3.937x5.0	3.937x5.0	3.937x5.00
" " " ... *(mm)*	*(100.0x127.0)*	*(100.0x127.0)*	*(100.0x127.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	365 *(5985)*	365 *(5985)*	365 *(5985)*
Rated RPM	2200	2200	2200
Compression Ratio	17.5 to 1	17.5 to 1	17.5 to 1
CHASSIS		Front	
Type	Standard	Whl Assist	Standard
Tires: No., Size, Ply ... front	2; 14L-16.1;8	2; 14.9R28; **	2; 11.00-16; 8
rear	2; 18.4R38; **	2; 18.4R38; **	2; 580/70R38;**
Weight as tested ... lbs *(kg)*	11120 *(5045)*	12345 *(5600)*	13315 *(6040)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	96.7@2200	96.7@2200	105.9@2200
" " " " " " ... *(kW)*	*(72.1)*@2200	*(72.1)*@2200	*(79.0)*@2200
PTO RPM	1100	1100	1100
Fuel: Gal/hr *(l/h)*	6.71 *(25.39)*	6.71 *(25.39)*	7.27 *(27.53)*
Hp. hr/gal *(kWh/l)*	14.42 *(2.84)*	14.42 *(2.84)*	14.57 *(2.87)*
Max Pwr @ Std PTO RPM ..... HP	109.2@1000	109.2@1000	112.9@999
" " " " " " .... *(kW)*	*(81.4)*@1000	*(81.4)*@1000	*(84.2)*@999
Eng RPM	2000	2000	2000
Fuel: Gal/hr *(l/h)*	6.65 *(25.18)*	6.65 *(25.18)*	7.20 *(27.25)*
Hp. hr/gal *(kWh/l)*	16.41 *(3.23)*	16.41 *(3.23)*	15.68 *(3.09)*
Maximum Torque rise % @ Engine RPM	54@1399	54@1399	47@1402
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	89.2@5.65	90.3@4.91	104.5@6.66
" *kW* " " ... *(km/h)*	*(66.5@9.09)*	*(67.3@7.91)*	*(77.9@10.71)*
100% Load ... HP@mph	55.9@4.59	60.2@5.98	79.8@4.67
" " ... *(kW@km/h)*	*(41.7@7.39)*	*(44.9@9.62)*	*(59.5@7.52)*
Fuel: ... HP hr/gal *(kWh/l)*	10.61 *(2.09)*	10.66 *(2.10)*	11.22 *(2.21)*
75% Load ... HP@mph	42.5@4.68	45.7@6.05	61.2@4.79
" " ... *(kW@km/h)*	*(31.7@7.53)*	*(34.1@9.73)*	*(45.6@7.71)*
Fuel: ... HP hr/gal *(kWh/l)*	9.09 *(1.79)*	9.34 *(1.84)*	10.30 *(2.03)*
50% Load ... HP@mph	29.0@4.76	31.0@6.12	41.7@4.88
" " ... *(kW@km/h)*	*(21.6@7.67)*	*(23.1@9.85)*	*(31.1@7.85)*
Fuel: ... HP hr/gal *(kWh/l)*	7.33 *(1.44)*	7.39 *(1.46)*	8.38 *(1.65)*
50% Load ... HP@mph	29.2@4.80	31.1@6.10	42.0@4.89
" " ... *(kW@km/h)*	*(21.8@7.72)*	*(23.2@9.82)*	*(31.3@7.87)*
Reduced Eng RPM	1923	1882	1917
Fuel: ... HP hr/gal*(kWh/l)*	8.80 *(1.73)*	8.91 *(1.75)*	9.95 *(1.96)*
Max Pull: ... lbs@mph	8025@2.11	10160@1.94	9600@2.18
" " ... *(kN@km/h)*	*(35.7@3.39)*	*(45.2@3.13)*	*(42.7@3.51)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	71.0	71.0	71.0
Bystander ... dB(A)	. . . . .	. . . . .	. . . . .
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	7215 *(32.1)*	7215 *(32.1)*	8540 *(38.0)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	25.9 *(98.2)*	25.9 *(98.2)*	25.9 *(98.2)*

MASSEY FERGUSON

TRACTOR MODEL	6475 Dsl (FWA)	6480 Dsl (2WD)	6480 Dsl (FWA)
Transmission	32 speed Dynashift	32 speed Dynashift	32 speed Dynashift
NEBR SUM NO (Yr tested)	465 (2004)	466 (2004)	466 (2004)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ..... in.	3.937x5.00	3.937x5.00	3.937x5.00
" " " ..... *(mm)*	*(100.0x127.0)*	*(100.0x127.0)*	*(100.0x127.0)*
No. of Cylinders	6	6	6
Displacement ..... cu in *(ml)*	365 *(5985)*	365 *(5985)*	365 *(5985)*
Rated RPM	2200	2200	2200
Compression Ratio	17.5 to 1	17.5 to 1	17.5 to 1
CHASSIS	Front		Front
Type	Whl Assist	Standard	Whl Assist
Tires: No., Size, Ply ..... front	2; 480/70R28;**	2; 11.00-16; 8	2; 480/70R28;**
rear	2; 580/70R38;**	2; 580/70R38;**	2; 580/70R38;**
Weight as tested ..... lbs *(kg)*	13395 *(6075)*	13315 *(6040)*	13395 *(6075)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	105.9@2200	115.7@2196	115.7@2196
" " " " " " ..... *(kW)*	*(79.0)*@2200	*(86.3)*@2196	*(86.3)*@2196
PTO RPM	1100	1098	1098
Fuel: Gal/hr *(l/h)*	7.27 *(27.53)*	8.00 *(30.29)*	8.00 *(30.29)*
Hp. hr/gal *(kWh/l)*	14.57 *(2.87)*	14.47 *(2.85)*	14.47 *(2.85)*
Max Pwr @ Std PTO RPM ..... HP	112.9@999	122.7@999	122.7@999
" " " " " " .... *(kW)*	*(84.2)*@999	*(91.5)*@999	*(91.5)*@999
Eng RPM	2000	1998	1998
Fuel: Gal/hr *(l/h)*	7.20 *(27.25)*	7.84 *(29.69)*	7.84 *(29.69)*
Hp. hr/gal *(kWh/l)*	15.68 *(3.09)*	15.64 *(3.08)*	15.64 *(3.08)*
Maximum Torque rise % @ Engine RPM	47@1402	45@1243	45@1243
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	105.5@5.81	108.6@6.65	107.8@5.78
" *kW* " " ..... *(km/h)*	*(78.7@9.35)*	*(81.0@10.70)*	*(80.4@9.31)*
100% Load ..... HP@mph	79.1@4.82	98.0@8.25	100.2@7.24
" " ..... *(kW@km/h)*	*(59.0@7.76)*	*(73.1@13.28)*	*(74.7@11.65)*
Fuel: ..... HP hr/gal *(kWh/l)*	11.88 *(2.34)*	12.35 *(2.43)*	11.98 *(2.36)*
75% Load ..... HP@mph	60.3@4.90	74.8@8.39	75.4@7.27
" " ..... *(kW@km/h)*	*(45.0@7.88)*	*(55.8@13.50)*	*(56.2@11.70)*
Fuel: ..... HP hr/gal *(kWh/l)*	10.46 *(2.06)*	11.23 *(2.21)*	11.42 *(2.25)*
50% Load ..... HP@mph	41.0@5.00	50.7@8.56	51.5@7.41
" " ..... *(kW@km/h)*	*(30.6@8.05)*	*(37.8@13.77)*	*(38.4@11.93)*
Fuel: ..... HP hr/gal *(kWh/l)*	8.78 *(1.73)*	9.25 *(1.82)*	9.28 *(1.83)*
50% Load ..... HP@mph	40.9@4.98	50.7@8.59	51.2@7.36
" " ..... *(kW@km/h)*	*(30.5@8.02)*	*(37.8@13.82)*	*(38.2@11.85)*
Reduced Eng RPM	1907	2055	1910
Fuel: ..... HP hr/gal*(kWh/l)*	10.66 *(2.10)*	10.27*(2.02)*	10.26 *(2.02)*
Max Pull: ..... lbs@mph	12345@1.98	9610@2.84	12165@2.01
" " ..... *(kN@km/h)*	*(54.9@3.18)*	*(42.8@4.58)*	*(54.1@3.23)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ..... dB(A)	71.0	71.0	71.0
Bystander ..... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ..... lbs *(kN)*	8540 *(38.0)*	8540 *(38.0)*	8540 *(38.0)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	25.9 *(98.2)*	25.9 *(98.2)*	25.9 *(98.2)*

TRACTOR MODEL	6485 Dsl (FWA)	6490 Dsl (Unbal-FWA)	6490 Dsl (Bal-FWA)
Transmission	32 speed Dynashift	32 speed Dynashift	32 speed Dynashift
NEBR SUM NO (Yr tested)	467 (2004)	468 (2004)	468 (2004)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke in.	4.252x4.724	4.252x4.724	4.252x4.724
" " " (mm)	*(108.0x120.0)*	*(108.0x120.0)*	*(108.0x120.0)*
No. of Cylinders	6	6	6
Displacement cu in *(ml)*	402 *(6596)*	402 *(6596)*	402 *(6596)*
Rated RPM	2200	2200	2200
Compression Ratio	18.5 to 1	18.5 to 1	18.5 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply front	2; 540/65R30;**	2; 540/65R30;**	2; 540/65R30;**
rear	2; 620/70R42;**	2; 620/70R42;**	4; 620/70R42;**
Weight as tested lbs *(kg)*	15675 *(7110)*	15675 *(7110)*	17285 *(7840)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM HP	126.5@2200	140.7@2204	140.7@2204
" " " " " " (kW)	*(94.3)*@2200	*(104.9)*@2204	*(104.9)*@2204
PTO RPM	1100	1102	1102
Fuel: Gal/hr *(l/h)*	7.90 *(29.91)*	8.72 *(33.00)*	8.72 *(33.00)*
Hp. hr/gal *(kWh/l)*	16.00 *(3.15)*	16.14 *(3.18)*	16.14 *(3.18)*
Max Pwr @ Std PTO RPM HP	135.2@1000	145.2@1000	145.2@1000
" " " " " " (kW)	*(100.8)*@1000	*(108.3)*@1000	*(108.3)*@1000
Eng RPM	2000	2002	2002
Fuel: Gal/hr *(l/h)*	7.54 *(28.55)*	8.19 *(31.01)*	8.19 *(31.01)*
Hp. hr/gal *(kWh/l)*	17.92 *(3.53)*	17.73 *(3.49)*	17.73 *(3.49)*
Maximum Torque rise % @ Engine RPM	48@1223	44@1172	44@1172
DRAWBAR PERFORMANCE			
Max HP (Short Term) @mph	117.1@5.02	130.6@5.14	127.8@7.37
" kW " " (km/h)	*(87.3@8.07)*	*(97.4@8.27)*	*(95.3@11.86)*
100% Load HP@mph	103.9@4.61	121.5@4.57	116.5@4.24
" " (kW@km/h)	*(77.5@7.41)*	*(90.6@7.36)*	*(86.9@6.83)*
Fuel: HP hr/gal *(kWh/l)*	13.20 *(2.60)*	14.08 *(2.77)*	13.43 *(2.64)*
75% Load HP@mph	79.8@4.74	92.9@4.67	91.2@4.42
" " (kW@km/h)	*(59.5@7.63)*	*(69.3@7.52)*	*(68.0@7.11)*
Fuel: HP hr/gal *(kWh/l)*	11.98 *(2.36)*	12.99 *(2.56)*	12.94 *(2.55)*
50% Load HP@mph	54.0@4.81	63.3@4.77	62.5@4.54
" " (kW@km/h)	*(40.3@7.74)*	*(47.2@7.67)*	*(46.6@7.31)*
Fuel: HP hr/gal *(kWh/l)*	9.90 *(1.95)*	10.90 *(2.15)*	10.56 *(2.08)*
50% Load HP@mph	54.2@4.81	63.6@4.78	62.2@4.54
" " (kW@km/h)	*(40.4@7.74)*	*(47.4@7.69)*	*(46.4@7.31)*
Reduced Eng RPM	1937	1940	1948
Fuel: HP hr/gal *(kWh/l)*	12.05 *(2.37)*	12.86 *(2.53)*	12.17 *(2.40)*
Max Pull: lbs@mph	14680@2.17	15130@2.40	16455@2.02
" " (kN@km/h)	*(65.3@3.49)*	*(67.3@3.87)*	*(73.2@3.25)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear dB(A)	70.6	70.6	. . . .
Bystander dB(A)	84.9	84.9	. . . .
THREE POINT LIFT			
Force available @ 24" *(610 mm)* lbs *(kN)*	15240 *(67.8)*	15240 *(67.8)*	15240 *(67.8)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	25.9 *(98.2)*	25.9 *(98.2)*	25.9 *(98.2)*

MASSEY FERGUSON

TRACTOR MODEL	6495 Dsl (Unbal-FWA)	6495 Dsl (Bal-FWA)
Transmission	32 speed Dynashift	32 speed Dynashift
NEBR SUM NO (Yr tested)	469 (2004)	469 (2004)
ENGINE	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.252x4.724	4.252x4.724
" " " ... *(mm)*	*(108.0x120.0)*	*(108.0x120.0)*
No. of Cylinders	6	6
Displacement ... cu in *(ml)*	402 *(6596)*	402 *(6596)*
Rated RPM	2200	2200
Compression Ratio	18.5 to 1	18.5 to 1
CHASSIS	Front	Front
Type	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 540/65R30;**	2; 540/65R30;**
rear	2; 620/70R42;**	4; 620/70R42;**
Weight as tested ... lbs *(kg)*	15675 *(7110)*	17285 *(7840)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	156.1@2200	156.1@2200
" " " " " " ... *(kW)*	*(116.4)*@2200	*(116.4)*@2200
PTO RPM	1100	1100
Fuel: Gal/hr *(l/h)*	9.56 *(36.18)*	9.56 *(36.18)*
Hp. hr/gal *(kWh/l)*	16.34 *(3.22)*	16.34 *(3.22)*
Max Pwr @ Std PTO RPM ..... HP	165.2@1000	165.2@1000
" " " " " " .... *(kW)*	*(123.2)*@1000	*(123.2)*@1000
Eng RPM	2000	2000
Fuel: Gal/hr *(l/h)*	9.18 *(34.74)*	9.18 *(34.74)*
Hp. hr/gal *(kWh/l)*	18.00 *(3.55)*	18.00 *(3.55)*
Maximum Torque rise % @ Engine RPM	41@1400	41@1400
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	148.0@7.73	142.1@7.27
" *kW* " " ... *(km/h)*	*(110.4@12.44)*	*(106.0@11.70)*
100% Load ... HP@mph	135.7@8.54	132.0@8.14
" " ... *(kW@km/h)*	*(101.2@13.74)*	*(98.4@13.09)*
Fuel: ... HP hr/gal *(kWh/l)*	13.65 *(2.69)*	13.50 *(2.66)*
75% Load ... HP@mph	103.9@8.77	101.4@8.32
" " ... *(kW@km/h)*	*(77.5@14.12)*	*(75.6@13.39)*
Fuel: ... HP hr/gal *(kWh/l)*	12.84 *(2.53)*	12.28 *(2.42)*
50% Load ... HP@mph	70.4@8.92	68.9@8.50
" " ... *(kW@km/h)*	*(52.5@14.35)*	*(51.4@13.68)*
Fuel: ... HP hr/gal *(kWh/l)*	10.58 *(2.09)*	10.51 *(2.07)*
50% Load ... HP@mph	70.9@8.91	69.2@8.47
" " ... *(kW@km/h)*	*(52.9@14.33)*	*(51.6@13.63)*
Reduced Eng RPM	1955	1952
Fuel: ... HP hr/gal*(kWh/l)*	12.78 *(2.52)*	12.44 *(2.45)*
Max Pull: ... lbs@mph	15240@2.43	16150@2.19
" " ... *(kN@km/h)*	*(67.8@3.91)*	*(71.8@3.53)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ... dB(A)	70.6	.....
Bystander ... dB(A)	84.9	.....
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	15240 *(67.8)*	15240 *(67.8)*
HYDRAULIC FLOW Gal/min *(l/min)*	25.9 *(98.2)*	25.9 *(98.2)*

TRACTOR MODEL	7465 Dsl	7475 Dsl	7480 Dsl (Unbal)
Transmission	Step Shift DynaVT	Step Shift DynaVT	Step Shift DynaVT
NEBR SUM NO (Yr tested)	470 (2004)	471 (2004)	472 (2004)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	3.937x5.00	3.937x5.00	3.937x5.00
" " " ... *(mm)*	*(100.0x127.0)*	*(100.0x127.0)*	*(100.0x127.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	365 *(5985)*	365 *(5985)*	365 *(5985)*
Rated RPM	2200	2200	2200
Compression Ratio	17.5 to 1	17.5 to 1	17.5 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 540/65R28;**	2; 540/65R28;**	2; 540/65R28;**
rear	2; 650/65R38;**	2; 650/65R38;**	2; 650/65R38;**
Weight as tested ... lbs *(kg)*	15000 *(6805)*	15000 *(6805)*	15000 *(6805)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	96.7@2200	106.7@2200	116.3@2201
" " " " " ... *(kW)*	*(72.1)@2200*	*(79.6)@2200*	*(86.7)@2201*
PTO RPM	1081	1081	1082
Fuel: Gal/hr *(l/h)*	6.64 *(25.14)*	7.57 *(28.64)*	7.98 *(30.20)*
Hp. hr/gal *(kWh/l)*	14.57 *(2.87)*	14.57 *(2.87)*	14.57 *(2.87)*
Max Pwr @ Std PTO RPM ..... HP	102.5@1000	114.5@1000	124.6@1000
" " " " " " .... *(kW)*	*(76.4)@1000*	*(76.4)@1000*	*(92.9)@1000*
Eng RPM	2034	2034	2034
Fuel: Gal/hr *(l/h)*	6.52 *(24.69)*	7.57 *(28.64)*	7.99 *(30.26)*
Hp. hr/gal *(kWh/l)*	15.71 *(3.09)*	15.13 *(2.98)*	15.58 *(3.07)*
Maximum Torque rise % @ Engine RPM	47@1403	49@1350	43@1346
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	89.8@3.04	103.8@8.76	107.5@7.97
" *kW* " " ... *(km/h)*	*(67.0@4.89)*	*(77.4@14.10)*	*(80.2@12.83)*
100% Load ... HP@mph	81.8@3.86	88.2@4.81	100.4@4.60
" " ... *(kW@km/h)*	*(61.0@6.21)*	*(65.8@7.74)*	*(74.9@7.41)*
Fuel: ... HP hr/gal *(kWh/l)*	12.06 *(2.38)*	11.83 *(2.33)*	12.51 *(2.46)*
75% Load ... HP@mph	62.8@3.96	67.1@4.89	76.8@4.70
" " ... *(kW@km/h)*	*(46.8@6.37)*	*(50.0@7.87)*	*(57.3@7.57)*
Fuel: ... HP hr/gal *(kWh/l)*	11.03 *(2.17)*	10.73 *(2.11)*	11.55 *(2.27)*
50% Load ... HP@mph	42.8@4.05	45.5@4.99	52.0@4.80
" " ... *(kW@km/h)*	*(31.9@6.51)*	*(33.9@8.03)*	*(38.8@7.72)*
Fuel: ... HP hr/gal *(kWh/l)*	9.24 *(1.82)*	8.89 *(1.75)*	9.75 *(1.92)*
50% Load ... HP@mph	42.8@4.06	45.6@4.99	52.6@4.85
" " ... *(kW@km/h)*	*(31.9@6.53)*	*(34.0@8.03)*	*(39.2@7.81)*
Reduced Eng RPM	1887	2011	1833
Fuel: ... HP hr/gal *(kWh/l)*	11.02 *(2.17)*	10.41 *(2.05)*	12.00 *(2.36)*
Max Pull: ... lbs@mph	14310@2.02	15040@2.24	14690@2.51
" " ... *(kN@km/h)*	*(63.65@3.25)*	*(66.90@3.60)*	*(65.35@4.04)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	70.4	70.4	70.4
Bystander ... dB(A)	84.4	84.4	84.4
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	10915*(48.55)*	10915*(48.55)*	10915*(48.55)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	31.7 *(119.9)*	31.7 *(119.9)*	31.7 *(119.9)*

TRACTOR MODEL Transmission	7480 Dsl (Bal) Step Shift DynaVT	7485 Dsl (Unbal) Step Shift DynaVT	7485 Dsl (Bal) Step Shift DynaVT
NEBR SUM NO (Yr tested)	472 (2004)	473 (2003)	473 (2003)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	3.937x5.00	4.252x4.724	4.252x4.724
" " " ... *(mm)*	*(100.0x127.0)*	*(108.0x120.0)*	(108.0x120.0)
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	365 *(5985)*	402 *(6596)*	402 *(6596)*
Rated RPM	2200	2200	2200
Compression Ratio	17.5 to 1	18.5 to 1	18.5 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 16.9R28;**	2; 540/65R30;**	2; 380/85R30;**
rear	4; 20.8R38;**	2; 520/85R42;**	4; 480/80R42;**
Weight as tested ... lbs *(kg)*	17230 *(7815)*	15310 *(6945)*	16865 *(7650)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	116.3@2201	127.9@2199	127.9@2199
" " " " " ... *(kW)*	*(86.7)*@2201	*(95.4)*@2199	*(95.4)*@2199
PTO RPM	1082	1081	1081
Fuel: Gal/hr *(l/h)*	7.98 *(30.20)*	8.40 *(31.78)*	8.40 *(31.78)*
Hp. hr/gal *(kWh/l)*	14.57 *(2.87)*	15.23 *(3.00)*	15.23 *(3.00)*
Max Pwr @ Std PTO RPM ..... HP	124.6@1000	136.5@1000	136.5@1000
" " " " " .... *(kW)*	*(92.9)*@1000	*(101.8)*@1000	*(101.8)*@1000
Eng RPM	2034	2034	2034
Fuel: Gal/hr *(l/h)*	7.99 *(30.26)*	8.24 *(31.18)*	8.24 *(31.18)*
Hp. hr/gal *(kWh/l)*	15.58 *(3.07)*	16.56 *(3.26)*	16.56 *(3.26)*
Maximum Torque rise			
% @ Engine RPM	43@1346	51@1100	51@1100
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	103.4@4.84	111.8@4.93	109.6@3.54
" *kW* " " ... *(km/h)*	*(77.1@7.79)*	*(83.4@7.94)*	*(81.7@5.69)*
100% Load ... HP@mph	95.1@4.87	100.8@5.66	99.0@4.21
" " ... *(kW@km/h)*	*(70.9@7.84)*	*(75.2@9.11)*	*(73.8@6.78)*
Fuel: ... HP hr/gal *(kWh/l)*	11.78 *(2.32)*	12.03 *(2.37)*	11.86 *(2.34)*
75% Load ... HP@mph	72.3@4.96	78.6@5.85	76.6@4.35
" " ... *(kW@km/h)*	*(53.9@7.98)*	*(58.6@9.42)*	*(57.1@7.00)*
Fuel: ... HP hr/gal *(kWh/l)*	10.80 *(2.13)*	10.96 *(2.16)*	10.69 *(2.11)*
50% Load ... HP@mph	48.9@5.05	53.3@5.97	52.4@4.44
" " ... *(kW@km/h)*	*(36.5@8.12)*	*(39.8@9.61)*	*(39.1@7.15)*
Fuel: ... HP hr/gal *(kWh/l)*	8.83 *(1.74)*	9.02 *(1.78)*	8.92 *(1.76)*
50% Load ... HP@mph	48.8@5.05	51.4@5.93	51.7@4.43
" " ... *(kW@km/h)*	*(36.4@8.13)*	*(38.3@9.54)*	*(38.6@7.13)*
Reduced Eng RPM	1685	1723	1973
Fuel: ... HP hr/gal*(kWh/l)*	11.57 *(2.28)*	11.94 *(2.35)*	10.81 *(2.13)*
Max Pull: ... lbs@mph	17075@2.00	14545@2.58	16765@2.17
" " ... *(kN@km/h)*	*(75.95@3.22)*	*(64.71@4.15)*	*(74.57@3.50)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	.....	70.4	.....
Bystander ... dB(A)	.....	86.4	.....
THREE POINT LIFT			
Force available			
@ 24" *(610 mm)* ... lbs *(kN)*	10915*(48.55)*	14283*(63.5)*	14283*(63.5)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	31.7 *(119.9)*	32.2 *(122.0)*	32.2 *(122.0)*

TRACTOR MODEL	7490 Dsl (Unbal)	7490 Dsl (Bal)
Transmission	Step Shift DynaVT	Step Shift DynaVT
NEBR SUM NO (Yr tested)	474 (2003)	474 (2003)
ENGINE	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.252x4.724	4.252x4.724
" " " ... *(mm)*	*(108.0x120.0)*	*(108.0x120.0)*
No. of Cylinders	6	6
Displacement ... cu in *(ml)*	402 *(6596)*	402 *(6596)*
Rated RPM	2200	2200
Compression Ratio	18.5 to 1	18.5 to 1
CHASSIS	Front	Front
Type	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 540/65R30;**	2; 380/85R30;**
rear	2; 520/85R42;**	4; 480/80R42;**
Weight as tested ... lbs *(kg)*	15310 *(6945)*	16865 *(7650)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	143.2@2201	143.2@2201
" " " " " " ... *(kW)*	*(106.8)*@2201	*(106.8)*@2201
PTO RPM	1082	1082
Fuel: Gal/hr *(l/h)*	9.36 *(35.44)*	9.36 *(35.44)*
Hp. hr/gal *(kWh/l)*	15.28 *(3.01)*	15.28 *(3.01)*
Max Pwr @ Std PTO RPM ..... HP	153.1@1000	153.1@1000
" " " " " " .... *(kW)*	*(114.2)*@1000	*(114.2)*@1000
Eng RPM	2034	2034
Fuel: Gal/hr *(l/h)*	9.06 *(34.31)*	9.06 *(34.31)*
Hp. hr/gal *(kWh/l)*	16.90 *(3.33)*	16.90 *(3.33)*
Maximum Torque rise % @ Engine RPM	46@1096	46@1096
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	123.8@4.86	122.8@3.59
" *kW* " " ... *(km/h)*	*(92.3@7.82)*	*(91.6@5.79)*
100% Load ... HP@mph	115.1@4.78	114.6@4.88
" " ... *(kW@km/h)*	*(85.8@7.70)*	*(85.4@7.85)*
Fuel: ... HP hr/gal *(kWh/l)*	12.39 *(2.44)*	12.28 *(2.42)*
75% Load ... HP@mph	89.7@4.96	88.7@5.04
" " ... *(kW@km/h)*	*(66.9@7.98)*	*(66.1@8.11)*
Fuel: ... HP hr/gal *(kWh/l)*	11.61 *(2.29)*	11.22 *(2.21)*
50% Load ... HP@mph	61.6@5.08	60.7@5.16
" " ... *(kW@km/h)*	*(45.9@8.17)*	*(45.3@8.31)*
Fuel: ... HP hr/gal *(kWh/l)*	9.82 *(1.93)*	9.59 *(1.89)*
50% Load ... HP@mph	61.4@5.04	60.7@5.18
" " ... *(kW@km/h)*	*(45.8@8.11)*	*(45.3@8.34)*
Reduced Eng RPM	1723	1960
Fuel: ... HP hr/gal*(kWh/l)*	13.15 *(2.59)*	11.30 *(2.23)*
Max Pull: ... lbs@mph	14565@2.93	16960@2.39
" " ... *(kN@km/h)*	*(64.79@4.71)*	*(75.44@3.85)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ... dB(A)	70.4	.....
Bystander ... dB(A)	86.4	.....
THREE POINT LIFT		
Force available @ 24" *(610 mm)* ... lbs *(kN)*	14283*(63.5)*	14283*(63.5)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	32.2 *(122.0)*	32.2 *(122.0)*

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TRACTOR MODEL	7495 Dsl (Unbal)	7495 Dsl (Bal)
Transmission	Step Shift DynaVT	Step Shift DynaVT
NEBR SUM NO (Yr tested)	475 (2004)	475 (2004)
ENGINE	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.252x4.724	4.252x4.724
" " " ... *(mm)*	*(108.0x120.0)*	*(108.0x120.0)*
No. of Cylinders	6	6
Displacement ... cu in *(ml)*	402 *(6596)*	402 *(6596)*
Rated RPM	2200	2200
Compression Ratio	18.5 to 1	18.5 to 1
CHASSIS	Front	Front
Type	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 540/65R30;**	2; 380/85R30;**
rear	2; 520/85R42;**	4; 480/80R42;**
Weight as tested ... lbs *(kg)*	15310 *(6945)*	16865 *(7650)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM ... HP	157.0@2201	157.0@2201
" " " " " " ... *(kW)*	*(117.1)*@2201	*(117.1)*@2201
PTO RPM	1082	1082
Fuel: Gal/hr *(l/h)*	10.17 *(38.51)*	10.17 *(38.51)*
Hp. hr/gal *(kW.h/l)*	15.43 *(3.04)*	15.43 *(3.04)*
Max Pwr @ Std PTO RPM ... HP	166.8@1000	166.8@1000
" " " " " " ... *(kW)*	*(124.4)*@1000	*(124.4)*@1000
Eng RPM	2034	2034
Fuel: Gal/hr *(l/h)*	10.03 *(37.96)*	10.03 *(37.96)*
Hp. hr/gal *(kW.h/l)*	16.63 *(3.28)*	16.63 *(3.28)*
Maximum Torque rise % @ Engine RPM	44@1450	44@1450
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	136.2@5.47	134.8@4.75
" *kW* " " ... *(km/h)*	*(101.6@8.80)*	*(100.5@7.64)*
100% Load ... HP@mph	125.1@4.67	123.5@4.84
" " ... *(kW@km/h)*	*(93.3@7.52)*	*(92.1@7.79)*
Fuel: ... HP hr/gal *(kW.h/l)*	12.33 *(2.43)*	12.18 *(2.40)*
75% Load ... HP@mph	99.7@4.95	95.6@5.00
" " ... *(kW@km/h)*	*(74.4@7.97)*	*(71.3@8.05)*
Fuel: ... HP hr/gal *(kW.h/l)*	11.68 *(2.30)*	11.32 *(2.23)*
50% Load ... HP@mph	68.9@5.10	65.4@5.14
" " ... *(kW@km/h)*	*(51.4@8.21)*	*(48.8@8.26)*
Fuel: ... HP hr/gal *(kW.h/l)*	10.21 *(2.01)*	9.73 *(1.92)*
50% Load ... HP@mph	68.1@5.10	65.3@5.14
" " ... *(kW@km/h)*	*(50.8@8.20)*	*(48.7@8.28)*
Reduced Eng RPM	1662	1984
Fuel: ... HP hr/gal*(kW.h/l)*	13.20 *(2.60)*	11.67 *(2.30)*
Max Pull: ... lbs@mph	14795@3.26	16995@2.69
" " ... *(kN@km/h)*	*(65.82@5.24)*	*(75.60@4.33)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ... dB(A)	70.4	.....
Bystander ... dB(A)	86.4	.....
THREE POINT LIFT		
Force available @ 24" *(610 mm)* ... lbs *(kN)*	14283*(63.5)*	14283*(63.5)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	32.2 *(122.0)*	32.2 *(122.0)*

TRACTOR MODEL	8220 Dsl (2WD)	8220 Dsl (FWA)	8240 Dsl (2WD)
Transmission	18 speed Pwrshift	18 speed Pwrshift	18 speed Pwrshift
NEBR SUM NO (Yr tested)	318 (1999)	318 (1999)	319 (1999)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	3.937x5.00	3.937x5.00	4.251x4.724
" " " ... *(mm)*	*(100.0x127.0)*	*(100.0x127.0)*	*(108.0x120.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	365 *(5985)*	365 *(5985)*	402 *(6596)*
Rated RPM	2200	2200	2200
Compression Ratio	16.0 to 1	16.0 to 1	16.5 to 1
CHASSIS		Front	
Type	Standard	Whl Assist	Standard
Tires: No., Size, Ply ... front	2; 14L-16.1;10	2; 16.9R30; **	2; 14L-16.1;10
rear	2; 20.8R42; **	2; 20.8R42; **	2; 20.8R42; **
Weight as tested ... lbs *(kg)*	14925 *(6770)*	16060 *(7285)*	15555 *(7055)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	135.4@2194	135.4@2194	146.2@2196
" " " " " " ... *(kW)*	*(101.0)*@2194	*(101.0)*@2194	*(109.0)*@2196
PTO RPM	1049	1049	1050
Fuel: Gal/hr *(l/h)*	8.72 *(33.00)*	8.72 *(33.00)*	9.26 *(35.07)*
Hp. hr/gal *(kW.h/l)*	15.53 *(3.06)*	15.53 *(3.06)*	15.79 *(3.11)*
Max Pwr @ Std PTO RPM ..... HP	141.2@999	141.2@999	152.6@999
" " " " " " .... *(kW)*	*(105.3)*@999	*(105.3)*@999	*(113.7)*@999
Eng RPM	2089	2089	2090
Fuel: Gal/hr *(l/h)*	8.66 *(32.78)*	8.66 *(32.78)*	9.20 *(34.81)*
Hp. hr/gal *(kW.h/l)*	16.30 *(3.21)*	16.30 *(3.21)*	16.59 *(3.27)*
Maximum Torque rise % @ Engine RPM	35@1369	35@1369	40@1400
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	130.6@6.43	133.6@5.03	138.3@5.38
" *kW* " " ... *(km/h)*	*(97.4@10.35)*	*(99.6@8.09)*	*(103.1@8.66)*
100% Load ... HP@mph	130.6@6.43	133.6@5.03	138.3@5.38
" " ... *(kW@km/h)*	*(97.4@10.35)*	*(99.6@8.09)*	*(103.1@8.66)*
Fuel: ... HP hr/gal *(kW.h/l)*	15.08 *(2.97)*	14.87 *(2.93)*	15.43 *(3.04)*
75% Load ... HP@mph	94.8@7.11	104.6@5.48	100.4@6.28
" " ... *(kW@km/h)*	*(70.7@11.44)*	*(78.0@8.82)*	*(74.9@10.10)*
Fuel: ... HP hr/gal *(kW.h/l)*	12.44 *(2.45)*	13.35 *(2.63)*	12.99 *(2.56)*
50% Load ... HP@mph	64.0@7.21	70.3@5.58	69.0@6.48
" " ... *(kW@km/h)*	*(47.7@11.61)*	*(52.4@8.96)*	*(51.4@10.43)*
Fuel: ... HP hr/gal *(kW.h/l)*	10.10 *(1.99)*	10.89 *(2.15)*	11.18 *(2.20)*
50% Load ... HP@mph	63.4@7.24	70.8@5.59	69.3@6.52
" " ... *(kW@km/h)*	*(47.3@11.66)*	*(52.8@8.99)*	*(51.7@10.50)*
Reduced Eng RPM	1988	1993	2056
Fuel: ... HP hr/gal*(kW.h/l)*	11.72 *(2.31)*	12.32 *(2.43)*	12.39 *(2.44)*
Max Pull: ... lbs@mph	12330@2.57	14705@2.88	12915@1.76
" " ... *(kN@km/h)*	*(54.9@4.13)*	*(65.4@4.63)*	*(57.5@2.84)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	77.0	77.0	74.0
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	13805 *(61.4)*	13805 *(61.4)*	13805 *(61.4)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	30.9 *(116.8)*	30.9 *(116.8)*	30.9 *(116.8)*

MASSEY FERGUSON

TRACTOR MODEL	8240 Dsl (FWA)	8245 Dsl (FWA)	8250 Dsl (FWA)
Transmission	18 speed Pwrshift	18 speed Pwrshift	32 speed Dynashift
NEBR SUM NO (Yr tested)	319 (1999)	1781B (2000)	363 (1999)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.251x4.724	4.251x5.276	4.251x5.276
" " " ... *(mm)*	*(108.0x120.0)*	*(108.0x134.0)*	*(108.0x134.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	402 *(6596)*	449 *(7365)*	449 *(7365)*
Rated RPM	2200	2200	2200
Compression Ratio	16.5 to 1	16.5 to 1	16.5 to 1
CHASSIS	Front Whl Assist	Front Whl Assist	Front Whl Assist
Type			
Tires: No., Size, Ply ... front	2; 16.9R30; **	2; 14.9R30; ***	2; 16.9R28; **
rear	2; 20.8R42; **	2; 18.4R42; **	2; 20.8R38; **
Weight as tested ... lbs *(kg)*	16465 *(7470)*	18975 *(8607)*	18230 *(8270)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	146.2@2196	164.45@2200	161.1@2212
" " " " " " ... *(kW)*	*(109.0)*@2196	*(122.63)*@2200	*(120.1)*@2212
PTO RPM	1050	1052	1059
Fuel: Gal/hr *(l/h)*	9.26 *(35.07)*	10.24 *(38.76)*	9.53 *(36.06)*
Hp. hr/gal *(kW.h/l)*	15.79 *(3.11)*	16.06 *(3.16)*	16.91 *(3.33)*
Max Pwr @ Std PTO RPM ..... HP	152.6@999	171.41@1000	163.2@1000
" " " " " " .... *(kW)*	*(113.7)*@999	*(127.82)*@1000	*(121.7)*@1000
Eng RPM	2090	2092	2091
Fuel: Gal/hr *(l/h)*	9.20 *(34.81)*	10.19 *(38.59)*	9.29 *(35.15)*
Hp. hr/gal *(kW.h/l)*	16.59 *(3.27)*	16.82 *(3.31)*	17.56 *(3.46)*
Maximum Torque rise % @ Engine RPM	40@1400	43@1350	37@1227
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	141.1@5.44	.....	147.4@5.34
" *kW* " " ... *(km/h)*	*(105.2@8.75)*	.....	*(109.9@8.59)*
100% Load ... HP@mph	141.1@5.44	.....	144.8@4.23
" " ... *(kW@km/h)*	*(105.2@8.75)*	.....	*(108.0@6.81)*
Fuel: ... HP hr/gal *(kW.h/l)*	15.74 *(3.10)*	.....	15.84 *(3.12)*
75% Load ... HP@mph	107.3@6.34	.....	111.0@4.77
" " ... *(kW@km/h)*	*(80.0@10.20)*	.....	*(82.8@7.68)*
Fuel: ... HP hr/gal *(kW.h/l)*	13.30 *(2.62)*	.....	13.57 *(2.67)*
50% Load ... HP@mph	73.1@6.52	.....	75.6@4.87
" " ... *(kW@km/h)*	*(54.5@10.49)*	.....	*(56.4@7.84)*
Fuel: ... HP hr/gal *(kW.h/l)*	11.09 *(2.18)*	.....	11.40 *(2.25)*
50% Load ... HP@mph	69.3@6.52	.....	75.7@4.87
" " ... *(kW@km/h)*	*(51.7@10.50)*	.....	*(56.5@7.84)*
Reduced Eng RPM	2056	.....	1947
Fuel: ... HP hr/gal*(kW.h/l)*	12.39 *(2.44)*	.....	13.30 *(2.62)*
Max Pull: ... lbs@mph	13945@2.24	.....	16235@2.31
" " ... *(kN@km/h)*	*(62.0@3.61)*	.....	*(72.2@3.71)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	74.0	73.8	77.0
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	13805 *(61.4)*	16101 *(71.6)*	16101 *(71.6)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	30.9 *(116.8)*	29.7 *(112.4)*	29.9 *(113.2)*

TRACTOR MODEL	8260 Dsl	8270 Dsl (Tested as 8170 Dsl)	8280 Dsl
Transmission	18 speed Pwrshift	18 speed Pwrshift	18 speed Pwrshift
NEBR SUM NO (Yr tested)	1782B (2000)	320 (1998)	321 (1998)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke in.	4.251x5.278	4.370x5.709	4.370x5.709
" " " (mm)	*(108.0x134.0)*	*(111.0x145.0)*	*(111.0x145.0)*
No. of Cylinders	6	6	6
Displacement cu in *(ml)*	449 *(7365)*	513 *(8419)*	513 *(8419)*
Rated RPM	2200	2200	2200
Compression Ratio	16.5 to 1	16.5 to 1	16.0 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply front	2; 14.9R30;***	2; 600/70R28;**	2; 600/70R28;**
rear	2; 18.4R42;**	2; 650/85R38;**	2; 650/85R38;**
Weight as tested lbs *(kg)*	19020 *(8627)*	21760 *(9870)*	21705 *(9845)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM HP	181.26@2200	205.4@2200	226.5@2200
" " " " " " *(kW)*	*(135.16)*@2200	*(153.2)*@2200	*(168.9)*@2200
PTO RPM	1052	1052	1053
Fuel: Gal/hr *(l/h)*	11.29 *(42.73)*	13.09 *(49.56)*	14.43 *(54.64)*
Hp. hr/gal *(kWh/l)*	16.06 *(3.16)*	15.68 *(3.09)*	15.69 *(3.09)*
Max Pwr @ Std PTO RPM HP	183.87@1000	212.3@1001	231.3@999
" " " " " " *(kW)*	*(137.11)*@1000	*(158.3)*@1001	*(172.5)*@999
Eng RPM	2091	2093	2087
Fuel: Gal/hr *(l/h)*	10.95 *(41.44)*	12.89 *(48.78)*	14.14 *(53.53)*
Hp. hr/gal *(kWh/l)*	16.80 *(3.31)*	16.47 *(3.24)*	16.36 *(3.22)*
Maximum Torque rise % @ Engine RPM	36@1300	45@1400	48@1306
DRAWBAR PERFORMANCE			
Max HP (Short Term) @mph	.....	175.7@5.05	195.4@6.61
" *kW* " " *(km/h)*	.....	*(131.0@8.12)*	*(145.7@10.64)*
100% Load HP@mph	.....	165.1@5.90	183.0@4.51
" " *(kW@km/h)*	.....	*(123.1@9.49)*	*(136.5@7.25)*
Fuel: HP hr/gal *(kWh/l)*	.....	12.54 *(2.47)*	12.52 *(2.47)*
75% Load HP@mph	.....	127.9@6.08	143.2@4.72
" " *(kW@km/h)*	.....	*(95.4@9.78)*	*(106.8@7.59)*
Fuel: HP hr/gal *(kWh/l)*	.....	11.47 *(2.26)*	11.88 *(2.34)*
50% Load HP@mph	.....	86.8@6.20	97.6@4.87
" " *(kW@km/h)*	.....	*(64.8@9.97)*	*(72.8@7.83)*
Fuel: HP hr/gal *(kWh/l)*	.....	9.70 *(1.91)*	10.32 *(2.03)*
50% Load HP@mph	.....	87.4@6.24	98.0@4.87
" " *(kW@km/h)*	.....	*(65.1@10.04)*	*(73.1@7.84)*
Reduced Eng RPM	.....	2010	2045
Fuel: HP hr/gal*(kWh/l)*	.....	11.22 *(2.21)*	11.93 *(2.35)*
Max Pull: lbs@mph	.....	20765@2.88	20925@3.20
" " *(kN@km/h)*	.....	*(92.38@4.63)*	*(93.08@5.15)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear dB(A)	73.0	76.0	77.0
Bystander dB(A)	....	....	....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* lbs *(kN)*	19710*(87.7)*	19710*(87.7)*	19710*(87.7)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	29.5*(111.7)*	29.7*(112.4)*	29.7*(112.4)*

McCORMICK

TRACTOR MODEL	CX 75 Dsl (Also C75 Dsl)	CX 85 Dsl (Also C85 Dsl)
Transmission	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	326 (1998)	327 (1998)
ENGINE		Turbochgr
Bore and Stroke in.	4.055x5.00	3.937x5.00
" " " *(mm)*	*(103.0x127.0)*	*(100.0x127.0)*
No. of Cylinders	4	4
Displacement cu in *(ml)*	258 *(4232)*	243*(3990)*
Rated RPM	2200	2200
Compression Ratio	18.5 to 1	17.25 to 1
CHASSIS	Front	Front
Type	Whl Assist	Whl Assist
Tires: No., Size, Ply front	2; 13.6R24; **	2; 13.6R24; **
rear	2; 18.4R34; **	2; 18.4R34; **
Weight as tested lbs *(kg)*	8265 *(3750)*	8300 *(3765)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM HP	59.7@2200	71.3@2200
" " " " " " *(kW)*	*(44.5)*@2200	*(53.2)*@2200
PTO RPM	1100	1100
Fuel: Gal/hr *(l/h)*	3.94 *(14.91)*	4.70 *(17.79)*
Hp. hr/gal *(kW.h/l)*	15.17 *(2.99)*	15.18 *(2.99)*
Max Pwr @ Std PTO RPM HP	62.1@1000	73.0@1000
" " " " " " *(kW)*	*(46.3)*@1000	*(54.4)*@1000
Eng RPM	2000	2000
Fuel: Gal/hr *(l/h)*	3.88 *(14.69)*	4.46 *(16.89)*
Hp. hr/gal *(kW.h/l)*	16.00 *(3.15)*	16.35 *(3.22)*
Maximum Torque rise % @ Engine RPM	37@1200	32@1406
DRAWBAR PERFORMANCE		
Max HP (Short Term) @mph	55.1@3.66	62.5@4.36
" *kW* " " *(km/h)*	*(41.1@5.90)*	*(46.6@7.01)*
100% Load HP@mph	50.2@4.03	59.3@4.80
" " *(kW@km/h)*	*(37.4@6.48)*	*(44.2@7.72)*
Fuel: HP hr/gal *(kW.h/l)*	12.59*(2.48)*	12.59*(2.48)*
75% Load HP@mph	40.0@4.21	45.8@4.97
" " *(kW@km/h)*	*(29.8@6.78)*	*(34.2@8.00)*
Fuel: HP hr/gal *(kW.h/l)*	10.99*(2.16)*	10.88*(2.14)*
50% Load HP@mph	26.8@4.29	31.3@5.05
" " *(kW@km/h)*	*(20.0@6.91)*	*(23.3@8.12)*
Fuel: HP hr/gal *(kW.h/l)*	8.80*(1.73)*	8.93*(1.76)*
50% Load HP@mph	26.8@4.24	31.5@5.08
" " *(kW@km/h)*	*(20.0@6.83)*	*(23.5@8.18)*
Reduced Eng RPM	1911	2097
Fuel: HP hr/gal*(kW.h/l)*	11.28*(2.22)*	9.92*(1.95)*
Max Pull: lbs@mph	9485@1.18	9530@1.39
" " *(kN@km/h)*	*(42.20@1.89)*	*(42.40@2.24)*
MAXIMUM SOUND LEVEL	w/cab w/o cab	w/cab w/o cab
At Operator's Ear dB(A)	78.5 89.0	78.0 86.0
Bystander dB(A)	. . . . .	. . . . .
THREE POINT LIFT		
Force available @ 24" *(610 mm)* lbs *(kN)*	2610 *(11.6)*	2665*(11.85)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	16.6 *(62.7)*	16.5*(62.6)*

TRACTOR MODEL	CX 95 Dsl (Also C95 Dsl)	CX 105 Dsl (Also C105 Dsl)
Transmission	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	328 (1998)	329 (1998)
ENGINE	Turbochgr	Turbochgr
Bore and Stroke ... in.	3.937x5.00	3.937x5.00
" " " ... *(mm)*	*(100.0x127.0)*	*(100.0x127.0)*
No. of Cylinders	4	4
Displacement ... cu in *(ml)*	243 *(3990)*	243 *(3990)*
Rated RPM	2200	2200
Compression Ratio	17.25 to 1	17.25 to 1
CHASSIS	Front Whl Assist	Front Whl Assist
Type		
Tires: No., Size, Ply ... front	2; 13.6R24; **	2; 13.6R24; **
rear	2; 18.4R34; **	2; 18.4R34; **
Weight as tested ... lbs *(kg)*	8335 *(3780)*	8455 *(3835)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM ... HP	79.7@2200	86.2@2200
" " " " " ... *(kW)*	*(59.4)@2200*	*(64.3)@2200*
PTO RPM	1100	1100
Fuel: Gal/hr *(l/h)*	4.97 *(18.81)*	5.66 *(21.44)*
Hp. hr/gal *(kW.h/l)*	16.04 *(3.16)*	15.23 *(3.00)*
Max Pwr @ Std PTO RPM ... HP	81.1@1000	87.2@1000
" " " " " ... *(kW)*	*(60.5)@1000*	*(65.0)@1000*
Eng RPM	2000	2000
Fuel: Gal/hr *(l/h)*	4.76 *(18.00)*	5.35 *(20.27)*
Hp. hr/gal *(kW.h/l)*	17.05 *(3.36)*	16.28 *(3.21)*
Maximum Torque rise % @ Engine RPM	23@1400	30@1400
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	70.8@4.33	74.8@3.58
" *kW* " " ... *(km/h)*	*(52.8@6.96)*	*(55.8@5.76)*
100% Load ... HP@mph	69.2@4.76	74.0@3.96
" " ... *(kW@km/h)*	*(51.6@7.67)*	*(55.2@6.38)*
Fuel: ... HP hr/gal *(kW.h/l)*	13.81 *(2.72)*	13.10 *(2.58)*
75% Load ... HP@mph	54.5@4.98	58.2@4.15
" " ... *(kW@km/h)*	*(40.6@8.01)*	*(43.4@6.68)*
Fuel: ... HP hr/gal *(kW.h/l)*	12.35 *(2.43)*	11.51 *(2.27)*
50% Load ... HP@mph	36.8@5.07	39.8@4.26
" " ... *(kW@km/h)*	*(27.4@8.16)*	*(29.7@6.85)*
Fuel: ... HP hr/gal *(kW.h/l)*	9.89 *(1.95)*	9.75 *(1.92)*
50% Load ... HP@mph	36.6@5.06	39.8@4.27
" " ... *(kW@km/h)*	*(27.3@8.15)*	*(29.7@6.88)*
Reduced Eng RPM	2093	1936
Fuel: ... HP hr/gal *(kW.h/l)*	10.86 *(2.14)*	11.98 *(2.36)*
Max Pull: ... lbs@mph	9220@2.01	9160@2.53
" " ... *(kN@km/h)*	*(41.02@3.24)*	*(40.74@4.07)*
MAXIMUM SOUND LEVEL	w/cab w/o cab	w/cab w/o cab
At Operator's Ear ... dB(A)	77.0 85.5	79.0 86.5
Bystander ... dB(A)	. . . . .	. . . . .
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	2610 *(11.3)*	2610 *(11.3)*
HYDRAULIC FLOW Gal/min *(l/min)*	17.0 *(64.3)*	17.0 *(64.4)*

TRACTOR MODEL	MTX 110 Dsl	MTX 120 Dsl (2WD)	MTX 120 Dsl (FWA)
Transmission	16 speed Pwrshift	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	421 (2002)	483 (2005)	483 (2005)
ENGINE			
Bore and Stroke ... in.	Turbochgr 3.937x5.00	Turbo-Intr 4.094x5.197	Turbo-Intr 4.094x5.197
" " " ... *(mm)*	*(100.0x127.0)*	*(104.0x132.0)*	*(104.0x132.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	365 *(5985)*	410 *(6728)*	410 *(6728)*
Rated RPM	2200	2200	2200
Compression Ratio	17.2 to 1	17.5 to 1	17.5 to 1
CHASSIS			
Type	Front Whl Assist	Front Whl Assist	Front Whl Assist
Tires: No., Size, Ply ... front	2; 540/65R28;**	2; 16.9R28;**	2; 16.9R28;**
rear	2; 650/65R38;**	2; 20.8R38;**	2; 20.8R38;**
Weight as tested ... lbs *(kg)*	13420 *(6088)*	12845 *(5827)*	12845 *(5827)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	101.8@2201	100.88@2200	100.88@2200
" " " " " " ... *(kW)*	*(75.9)*@2201	*(75.23)*@2200	*(75.23)*@2200
PTO RPM	1000	996	996
Fuel: Gal/hr *(l/h)*	6.77 *(25.61)*	6.23 *(23.59)*	6.23 *(23.59)*
Hp. hr/gal *(kWh/l)*	15.02 *(2.96)*	16.19 *(3.19)*	16.19 *(3.19)*
Max Pwr @ Std PTO RPM ..... HP	Same	Same	Same
" " " " " " .... *(kW)*	as	as	as
Eng RPM	shown	shown	shown
Fuel: Gal/hr *(l/h)*	above	above	above
Hp. hr/gal *(kWh/l)*			
Maximum Torque rise % @ Engine RPM	28@1397	53@1299	53@1299
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	88.9@6.38	86.02@4.84	91.54@4.22
" *kW* " " ... *(km/h)*	*(66.3@10.27)*	*(64.15@7.78)*	*(68.26@6.80)*
100% Load ... HP@mph	88.0@6.69	86.02@4.84	86.71@4.95
" " ... *(kW@km/h)*	*(65.6@10.76)*	*(64.15@7.78)*	*(64.66@7.97)*
Fuel: ... HP hr/gal *(kWh/l)*	13.05 *(2.57)*	13.73 *(2.70)*	13.92 *(2.74)*
75% Load ... HP@mph	68.9@6.95	66.37@4.99	66.93@5.07
" " ... *(kW@km/h)*	*(51.4@11.19)*	*(49.49@8.02)*	*(49.91@8.16)*
Fuel: ... HP hr/gal *(kWh/l)*	11.46 *(2.26)*	12.70 *(2.50)*	12.77 *(2.52)*
50% Load ... HP@mph	46.7@7.08	45.95@5.15	46.33@5.22
" " ... *(kW@km/h)*	*(34.8@11.40)*	*(34.27@8.29)*	*(34.55@8.39)*
Fuel: ... HP hr/gal *(kWh/l)*	9.20 *(1.81)*	10.84 *(2.14)*	10.98 *(2.16)*
50% Load ... HP@mph	46.7@7.09	45.87@5.14	46.32@5.22
" " ... *(kW@km/h)*	*(34.8@11.41)*	*(34.21@8.28)*	*(34.54@8.40)*
Reduced Eng RPM	1914	1659	1694
Fuel: ... HP hr/gal*(kWh/l)*	11.36 *(2.24)*	13.53 *(2.66)*	13.63 *(2.68)*
Max Pull: ... lbs@mph	14445@1.60	9096@3.02	12892@1.95
" " ... *(kN@km/h)*	*(64.3@2.58)*	*(40.46@4.86)*	*(57.34@3.14)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	70.0	73.8	73.8
Bystander ... dB(A)	. . . . .	80.4	. . . . .
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	7398 *(32.9)*	7398 *(32.9)*	7398 *(32.9)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	25.1 *(95.0)*	29.0 *(109.8)*	29.0 *(109.8)*

TRACTOR MODEL	MTX 125 Dsl	MTX 135 Dsl (2WD)	MTX 135 Dsl (FWA)
Transmission	16 speed Pwrshift	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	422 (2002)	484 (2005)	484 (2005)
ENGINE			
Bore and Stroke ... in.	Turbochgr 3.937x5.00	Turbo-Intr 4.094x5.197	Turbo-Intr 4.094x5.197
" " " ... *(mm)*	*(100.0x127.0)*	*(104.0x132.0)*	*(104.0x132.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	365 *(5985)*	410 *(6728)*	410 *(6728)*
Rated RPM	2200	2200	2200
Compression Ratio	17.2 to 1	17.5 to 1	17.5 to 1
CHASSIS			
Type	Front Whl Assist	Front Whl Assist	Front Whl Assist
Tires: No., Size, Ply ... front	2; 540/65R28;**	2; 16.9R28;**	2; 16.9R28;**
rear	2; 650/65R38;**	2; 20.8R38;**	2; 20.8R38;**
Weight as tested ... lbs *(kg)*	13620 *(6177)*	12850 *(5828)*	12850 *(5828)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	112.0@2201	112.75@2200	112.75@2200
" " " " " ... *(kW)*	*(83.5)*@2201	*(84.07)*@2200	*(84.07)*@2200
PTO RPM	1001	996	996
Fuel: Gal/hr *(l/h)*	7.61 *(28.80)*	6.65 *(25.16)*	6.65 *(25.16)*
Hp. hr/gal *(kWh/l)*	14.72 *(2.90)*	16.97 *(3.34)*	16.97 *(3.34)*
Max Pwr @ Std PTO RPM ..... HP	Same	Same	Same
" " " " " .... *(kW)*	as	as	as
Eng RPM	shown	shown	shown
Fuel: Gal/hr *(l/h)*	above	above	above
Hp. hr/gal *(kWh/l)*			
Maximum Torque rise % @ Engine RPM	30@1353	32@1452	32@1452
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	102.2@6.08	93.60@4.81	95.89@3.74
" *kW* " " ... *(km/h)*	*(76.2@9.79)*	*(69.80@7.74)*	*(71.51@6.01)*
100% Load ... HP@mph	99.1@6.71	93.60@4.81	95.16@3.93
" " ... *(kW@km/h)*	*(73.9@10.79)*	*(69.80@7.74)*	*(70.96@6.32)*
Fuel: ... HP hr/gal *(kWh/l)*	12.84 *(2.53)*	14.28 *(2.81)*	14.49 *(2.86)*
75% Load ... HP@mph	78.0@7.02	74.32@5.08	75.37@4.15
" " ... *(kW@km/h)*	*(58.2@11.30)*	*(55.42@8.18)*	*(56.21@6.68)*
Fuel: ... HP hr/gal *(kWh/l)*	11.27 *(2.22)*	12.85 *(2.53)*	13.10 *(2.58)*
50% Load ... HP@mph	52.6@7.14	50.13@5.13	50.77@4.20
" " ... *(kW@km/h)*	*(39.2@11.49)*	*(37.38@8.26)*	*(37.86@6.76)*
Fuel: ... HP hr/gal *(kWh/l)*	9.10 *(1.79)*	11.14 *(2.20)*	11.29 *(2.22)*
50% Load ... HP@mph	52.6@7.13	49.82@5.12	50.69@4.19
" " ... *(kW@km/h)*	*(39.2@11.48)*	*(37.15@8.23)*	*(37.80@6.75)*
Reduced Eng RPM	1920	1692	1847
Fuel: ... HP hr/gal *(kWh/l)*	11.09 *(2.19)*	13.98 *(2.75)*	13.67 *(2.69)*
Max Pull: ... lbs@mph	14410@1.62	9191@3.24	13100@2.49
" " ... *(kN@km/h)*	*(64.1@2.61)*	*(40.88@5.22)*	*(58.27@4.01)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	71.0	74.1	74.1
Bystander ... dB(A)	. . . . .	82.7	. . . . .
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	7398 *(32.9)*	7398 *(32.9)*	7398 *(32.9)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	25.5 *(96.6)*	30.3 *(114.7)*	30.3 *(114.7)*

TRACTOR MODEL	MTX 140 Dsl	MTX 150 Dsl (2WD)	MTX 150 Dsl (FWA)
Transmission	16 speed Pwrshift	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	423 (2002)	485 (2005)	485 (2005)
ENGINE	Turbochgr	Turbo-Intr	Turbo-Intr
Bore and Stroke in.	3.937x5.00	4.094x5.197	4.094x5.197
" " " *(mm)*	*(100.0x127.0)*	*(104.0x132.0)*	*(104.0x132.0)*
No. of Cylinders	6	6	6
Displacement cu in *(ml)*	365 *(5985)*	410 *(6728)*	410 *(6728)*
Rated RPM	2200	2200	2200
Compression Ratio	17.2 to 1	17.5 to 1	17.5 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply front	2; 540/65R28;**	2; 16.9R28;**	2; 16.9R28;**
rear	2; 650/65R38;**	2; 20.8R38;**	2; 20.8R38;**
Weight as tested lbs *(kg)*	14205 *(6444)*	12935 *(5867)*	12935 *(5867)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM HP	127.1@2202	132.81@2200	132.81@2200
" " " " " " *(kW)*	*(94.8)*@2202	*(99.04)*@2200	*(99.04)*@2200
PTO RPM	1001	996	996
Fuel: Gal/hr *(l/h)*	8.16 *(30.89)*	7.77 *(29.42)*	7.77 *(29.42)*
Hp. hr/gal *(kWh/l)*	15.58 *(3.07)*	17.09 *(3.37)*	17.09 *(3.37)*
Max Pwr @ Std PTO RPM HP	Same	Same	Same
" " " " " " *(kW)*	as	as	as
Eng RPM	shown	shown	shown
Fuel: Gal/hr *(l/h)*	above	above	above
Hp. hr/gal *(kWh/l)*			
Maximum Torque rise % @ Engine RPM	29@1449	26@1551	26@1551
DRAWBAR PERFORMANCE			
Max HP (Short Term) @mph	111.3@6.39	114.18@5.95	117.45@4.65
" *kW* " " *(km/h)*	*(83.0@10.29)*	*(85.14@9.57)*	*(87.59@7.48)*
100% Load HP@mph	110.2@6.69	114.18@5.95	116.76@4.88
" " *(kW@km/h)*	*(82.2@10.77)*	*(85.14@9.57)*	*(87.07@7.85)*
Fuel: HP hr/gal *(kWh/l)*	13.40 *(2.64)*	14.65 *(2.89)*	14.93 *(2.94)*
75% Load HP@mph	86.0@6.95	91.27@6.31	92.87@5.15
" " *(kW@km/h)*	*(64.2@11.19)*	*(68.06@10.15)*	*(69.25@8.29)*
Fuel: HP hr/gal *(kWh/l)*	11.93 *(2.35)*	13.41 *(2.64)*	13.61 *(2.68)*
50% Load HP@mph	58.2@7.10	61.96@6.40	63.08@5.24
" " *(kW@km/h)*	*(43.4@11.43)*	*(46.20@10.30)*	*(47.04@8.44)*
Fuel: HP hr/gal *(kWh/l)*	9.78 *(1.93)*	11.74 *(2.31)*	12.08 *(2.38)*
50% Load HP@mph	58.1@7.06	61.55@6.40	62.99@5.23
" " *(kW@km/h)*	*(43.3@11.36)*	*(45.90@10.29)*	*(46.98@8.42)*
Reduced Eng RPM	1902	1757	1713
Fuel: HP hr/gal *(kWh/l)*	11.88 *(2.34)*	14.60 *(2.88)*	15.16 *(2.99)*
Max Pull: lbs@mph	15375@1.64	9279@3.87	13124@3.12
" " *(kN@km/h)*	*(68.4@2.64)*	*(41.28@6.23)*	*(58.38@5.01)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear dB(A)	71.0	73.5	74.2
Bystander dB(A)	. . . . .	80.9	. . . . .
THREE POINT LIFT			
Force available @ 24" *(610 mm)* lbs *(kN)*	9000 *(40.0)*	9000 *(40.0)*	9000 *(40.0)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	25.5 *(96.7)*	28.9 *(109.4)*	28.9 *(109.4)*

TRACTOR MODEL	MTX 155 Dsl
Transmission	16 speed Pwrshift
NEBR SUM NO (Yr tested)	424(2002)
ENGINE	Turbo-Intr
Bore and Stroke ... in.	3.937x5.00
" " " ... *(mm)*	*(100.0x127.0)*
No. of Cylinders	6
Displacement ... cu in *(ml)*	365 *(5985)*
Rated RPM	2200
Compression Ratio	17.2 to 1
CHASSIS	Front
Type	Whl Assist
Tires: No., Size, Ply ... front	2; 540/65R30;**
rear	2; 650/65R42;**
Weight as tested ... lbs *(kg)*	16285 *(7386)*
PTO PERFORMANCE	
Max Pwr @ Rated Eng RPM .... HP	141.2@2201
" " " " " ... *(kW)*	*(105.3)*@2201
PTO RPM	1001
Fuel: Gal/hr *(l/h)*	9.03 *(34.38)*
Hp. hr/gal *(kWh/l)*	15.55 *(3.06)*
Max Pwr @ Std PTO RPM ..... HP	Same
" " " " " .... *(kW)*	as
Eng RPM	shown
Fuel: Gal/hr *(l/h)*	above
Hp. hr/gal *(kWh/l)*	
Maximum Torque rise % @ Engine RPM	36@1250
DRAWBAR PERFORMANCE	
Max HP (Short Term) ... @mph	127.7@4.64
" *kW* " " ... *(km/h)*	*(95.2@7.46)*
100% Load ... HP@mph	125.4@4.94
" " ... *(kW@km/h)*	*(93.5@7.95)*
Fuel: ... HP hr/gal *(kWh/l)*	14.06 *(2.77)*
75% Load ... HP@mph	99.5@5.21
" " ... *(kW@km/h)*	*(74.2@8.39)*
Fuel: ... HP hr/gal *(kWh/l)*	12.54 *(2.47)*
50% Load ... HP@mph	67.3@5.30
" " ... *(kW@km/h)*	*(50.2@8.52)*
Fuel: ... HP hr/gal *(kWh/l)*	10.16 *(2.00)*
50% Load ... HP@mph	67.3@5.30
" " ... *(kW@km/h)*	*(50.2@8.53)*
Reduced Eng RPM	1882
Fuel: ... HP hr/gal*(kWh/l)*	12.94 *(2.55)*
Max Pull: ... lbs@mph	16660@1.68
" " ... *(kN@km/h)*	*(74.1@2.70)*
MAXIMUM SOUND LEVEL	w/cab
At Operator's Ear ... dB(A)	71.0
Bystander ... dB(A)	. . . . .
THREE POINT LIFT	
Force available @ 24" *(610 mm)* ... lbs *(kN)*	12385 *(55.1)*
HYDRAULIC FLOW	
Gal/min *(l/min)*	25.4 *(96.0)*

NEW HOLLAND

TRACTOR MODEL	TC 48DA Dsl	TC 55DA Dsl	TN 60A Dsl (2WD)
Transmission	12 speed	12 speed	16 speed
NEBR SUM NO (Yr tested)	1836 (2004)	1837A (2004)	453 (2004)
ENGINE		Turbochgr	
Bore and Stroke ... in.	3.307x3.937	3.307x3.937	4.094x4.528
" " " ... *(mm)*	*(84.0x100.0)*	*(84.0x100.0)*	*(104.0x115.0)*
No. of Cylinders	4	4	3
Displacement ... cu in *(ml)*	135 *(2216)*	135 *(2216)*	179 *(2930)*
Rated RPM	2800	2700	2300
Compression Ratio	22.4 to 1	22.4 to 1	18 to 1
CHASSIS	Front	Front	
Type	Whl Assist	Whl Assist	Standard
Tires: No., Size, Ply ... front	2; 12-16.5; 8	2; 12-16.5; 8	2; 7:50-16; 8
rear	2; 18.4-24; 8	2; 18.4-24; 8	2; 16.9R30; **
Weight as tested ... lbs *(kg)*	4490 *(2037)*	4860 *(2205)*	6460 *(2930)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	40.98@2800	48.01@2700	48.0@2300
" " " " " ... *(kW)*	*(30.56)*@2800	*(35.80)*@2700	*(35.8)*@2300
PTO RPM	611	589	565
Fuel: Gal/hr *(l/h)*	3.36 *(12.72)*	3.95 *(14.93)*	3.00 *(11.35)*
Hp. hr/gal *(kWh/l)*	12.19 *(2.40)*	12.17 *(2.40)*	16.02 *(3.16)*
Max Pwr @ Std PTO RPM ..... HP	38.56@540	47.80@540	47.5@540
" " " " " .... *(kW)*	*(28.75)*@540	*(35.65)*@540	*(35.5)*@540
Eng RPM	2477	2475	2198
Fuel: Gal/hr *(l/h)*	2.95 *(11.18)*	3.66 *(13.87)*	2.95 *(11.17)*
Hp. hr/gal *(kWh/l)*	13.06 *(2.57)*	13.05 *(2.57)*	16.10 *(3.17)*
Maximum Torque rise % @ Engine RPM	24@1602	30@1657	33@1290
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	.....	.....	38.8@5.33
" *kW* " " ... *(km/h)*	.....	.....	*(28.9@8.58)*
100% Load ... HP@mph	.....	.....	38.0@3.90
" " ... *(kW@km/h)*	.....	.....	*(28.3@6.27)*
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	13.15 *(2.59)*
75% Load ... HP@mph	.....	.....	31.4@4.28
" " ... *(kW@km/h)*	.....	.....	*(23.4@6.89)*
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	9.91 *(1.95)*
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Reduced Eng RPM	.....	.....	.....
Fuel: ... HP hr/gal*(kWh/l)*	.....	.....	.....
Max Pull: ... lbs@mph	.....	.....	4795@2.18
" " ... *(kN@km/h)*	.....	.....	*(21.33@3.51)*
MAXIMUM SOUND LEVEL	w/o cab	w/o cab	w/o cab
At Operator's Ear ... dB(A)	92.0	89.0	84.9
Bystander ... dB(A)	.....	.....	82.8
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	2776 *(12.3)*	2776 *(12.3)*	3955 *(17.6)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	11.2 *(42.5)*	10.9 *(41.3)*	13.7 *(51.7)*

TRACTOR MODEL	TN 60A Dsl (2WD)	TN 60DA Dsl (2WD)	TN 60DA Dsl (FWA)
Transmission	16 speed	16 speed	16 speed
NEBR SUM NO (Yr tested)	453 (2004)	454 (2004)	454 (2004)
ENGINE			
Bore and Stroke ... in.	4.094x4.528	4.094x4.528	4.094x4.528
" " " ... *(mm)*	*(104.0x115.0)*	*(104.0x115.0)*	*(104.0x115.0)*
No. of Cylinders	3	3	3
Displacement ... cu in *(ml)*	179 *(2930)*	179 *(2930)*	179 *(2930)*
Rated RPM	2300	2300	2300
Compression Ratio	18 to 1	18 to 1	18 to 1
CHASSIS			Front
Type	Standard	Standard	Whl Assist
Tires: No., Size, Ply ... front	2; 7:50-16; 8	2; 7:50-16; 8	2; 11.2R24; **
rear	2; 16.9R30; **	2; 16.9R30; **	2; 16.9R30; **
Weight as tested ... lbs *(kg)*	6460 *(2930)*	7145 *(3240)*	7695 *(3490)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	48.0@2300	47.6@2295	47.6@2295
" " " " " ... *(kW)*	*(35.8)@2300*	*(35.5)@2295*	*(35.5)@2295*
PTO RPM	565	564	564
Fuel: Gal/hr *(l/h)*	3.00 *(11.35)*	3.01 *(11.40)*	3.01 *(11.40)*
Hp. hr/gal *(kWh/l)*	16.02 *(3.16)*	15.79 *(3.11)*	15.79 *(3.11)*
Max Pwr @ Std PTO RPM ..... HP	47.5@540	47.7@540	47.7@540
" " " " " " .... *(kW)*	*(35.5)@540*	*(35.6)@540*	*(35.6)@540*
Eng RPM	2198	2198	2198
Fuel: Gal/hr *(l/h)*	2.95 *(11.17)*	2.92 *(11.05)*	2.92 *(11.05)*
Hp. hr/gal *(kWh/l)*	16.10 *(3.17)*	16.34 *(3.22)*	16.34 *(3.22)*
Maximum Torque rise % @ Engine RPM	33@1290	34@1274	34@1274
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	38.8@5.33	38.9@4.92	38.3@4.29
" *kW* " " ... *(km/h)*	*(28.9@8.58)*	*(29.0@7.91)*	*(28.6@6.91)*
100% Load ... HP@mph	38.0@3.90	38.4@3.99	37.0@5.27
" " ... *(kW@km/h)*	*(28.3@6.27)*	*(28.6@6.42)*	*(27.6@8.48)*
Fuel: ... HP hr/gal *(kWh/l)*	13.15 *(2.59)*	13.20 *(2.60)*	12.64 *(2.49)*
75% Load ... HP@mph	31.4@4.28	31.3@4.33	29.2@5.53
" " ... *(kW@km/h)*	*(23.4@6.89)*	*(23.3@6.97)*	*(21.8@8.90)*
Fuel: ... HP hr/gal *(kWh/l)*	9.91 *(1.95)*	13.70 *(2.70)*	11.06 *(2.18)*
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Reduced Eng RPM	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
Max Pull: ... lbs@mph	4795@2.18	5065@2.19	6590@1.83
" " ... *(kN@km/h)*	*(21.33@3.51)*	*(22.52@3.52)*	*(29.31@2.94)*
MAXIMUM SOUND LEVEL	w/o cab	w/cab	w/cab
At Operator's Ear ... dB(A)	84.9	80.1	80.0
Bystander ... dB(A)	82.8	82.7	81.8
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	3955 *(17.6)*	3955 *(17.6)*	3955 *(17.6)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	13.7 *(51.7)*	13.7 *(52.0)*	13.7 *(52.0)*

NEW HOLLAND

TRACTOR MODEL	TN 70A Dsl (2WD)	TN 70A Dsl (FWA)	TN 70DA Dsl (2WD)
Transmission	16 speed	16 speed	16 speed
NEBR SUM NO (Yr tested)	455 (2004)	455 (2004)	456 (2004)
ENGINE	Turbochgr	Turbochgr	Turbochgr
Bore and Stroke ... in.	4.094x4.528	4.094x4.528	4.094x4.528
" " " ... *(mm)*	*(104.0x115.0)*	*(104.0x115.0)*	*(104.0x115.0)*
No. of Cylinders	3	3	3
Displacement ... cu in *(ml)*	179 *(2930)*	179 *(2930)*	179 *(2930)*
Rated RPM	2300	2300	2300
Compression Ratio	18 to 1	18 to 1	18 to 1
CHASSIS		Front	
Type	Standard	Whl Assist	Standard
Tires: No., Size, Ply ... front	2; 7.50-16; 8	2; 11.2R24;**	2; 7.50-16; 8
rear	2; 16.9R30;**	2; 16.9R30;**	2; 16.9R30;**
Weight as tested ... lbs *(kg)*	6460 *(2930)*	7055 *(3200)*	7145 *(3240)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	59.5@2302	59.5@2302	59.7@2302
" " " " " " ... *(kW)*	*(44.4)*@2302	*(44.4)*@2302	*(44.5)*@2302
PTO RPM	566	566	566
Fuel: Gal/hr *(l/h)*	3.88 *(14.68)*	3.88 *(14.68)*	3.88 *(14.70)*
Hp. hr/gal *(kWh/l)*	15.33 *(3.02)*	15.33 *(3.02)*	15.37 *(3.03)*
Max Pwr @ Std PTO RPM ..... HP	60.3@539	60.3@539	60.2@539
" " " " " " .... *(kW)*	*(45.0)*@539	*(45.0)*@539	*(45.0)*@539
Eng RPM	2193	2193	2196
Fuel: Gal/hr *(l/h)*	3.75 *(14.20)*	3.75 *(14.20)*	3.80 *(14.38)*
Hp. hr/gal *(kWh/l)*	16.09 *(3.17)*	16.09 *(3.17)*	15.84 *(3.12)*
Maximum Torque rise % @ Engine RPM	41@1403	41@1403	39@1442
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	49.1@6.08	51.6@7.00	49.7@5.34
" *kW* " " ..... *(km/h)*	*(36.6@9.78)*	*(38.5@11.27)*	*(37.1@8.59)*
100% Load ..... HP@mph	44.5@3.82	50.9@5.15	45.6@3.81
" " ..... *(kW@km/h)*	*(33.1@6.14)*	*(38.0@8.29)*	*(34.0@6.13)*
Fuel: ..... HP hr/gal *(kWh/l)*	12.43 *(2.45)*	13.87 *(2.73)*	13.05 *(2.57)*
75% Load ..... HP@mph	37.5@4.28	41.2@5.54	38.2@4.24
" " ..... *(kW@km/h)*	*(27.9@6.88)*	*(30.7@8.91)*	*(28.5@6.83)*
Fuel: ..... HP hr/gal *(kWh/l)*	12.48 *(2.46)*	12.59 *(2.48)*	12.84 *(2.53)*
50% Load ..... HP@mph	.....	.....	.....
" " ..... *(kW@km/h)*	.....	.....	.....
Fuel: ..... HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load ..... HP@mph	.....	.....	.....
" " ..... *(kW@km/h)*	.....	.....	.....
Reduced Eng RPM	.....	.....	.....
Fuel: ..... HP hr/gal*(kWh/l)*	.....	.....	.....
Max Pull: ..... lbs@mph	4885@3.16	6055@2.73	5095@3.20
" " ..... *(kN@km/h)*	*(21.72@5.08)*	*(26.94@4.39)*	*(22.67@5.15)*
MAXIMUM SOUND LEVEL	w/o cab	w/o cab	w/cab
At Operator's Ear ..... dB(A)	84.8	85.1	79.1
Bystander ..... dB(A)	81.8	82.8	81.6
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ..... lbs *(kN)*	3915 *(17.4)*	3915 *(17.4)*	3905 *(17.4)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	13.9 *(52.6)*	13.9 *(52.6)*	13.9 *(52.4)*

TRACTOR MODEL	TN 70DA Dsl (FWA)	TL 70 Dsl (2WD)	TL 70 Dsl (FWA)
Transmission	16 speed	24 speed	24 speed
NEBR SUM NO (Yr tested)	456 (2004)	347 (1999)	347 (1999)
ENGINE	Turbochgr		
Bore and Stroke ... in.	4.094x4.528	3.937x4.528	3.937x4.528
" " " ... *(mm)*	*(104.0x115.0)*	*(100.0x115.0)*	*(100.0x115.0)*
No. of Cylinders	3	4	4
Displacement ... cu in *(ml)*	179 *(2930)*	220 *(3613)*	220 *(3613)*
Rated RPM	2300	2500	2500
Compression Ratio	18 to 1	16.5 to 1	16.5 to 1
CHASSIS	Front		Front
Type	Whl Assist	Standard	Wheel Assist
Tires: No., Size, Ply ... front	2; 11.2R24;**	2; 7:50-16;8	2; 320/70R24;**
rear	2; 16.9R30;**	2; 480/70R30;**	2; 480/70R30;**
Weight as tested ... lbs *(kg)*	7685 *(3485)*	9315 *(4225)*	9900 *(4490)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	59.7@2302	58.9@2504	58.9@2504
" " " " " ... *(kW)*	*(44.5)*@2302	*(43.9)*@2504	*(43.9)*@2504
PTO RPM	566	615	615
Fuel: Gal/hr *(l/h)*	3.88 *(14.70)*	3.66 *(13.85)*	3.66 *(13.85)*
Hp. hr/gal *(kWh/l)*	15.37 *(3.03)*	16.09 *(3.17)*	16.09 *(3.17)*
Max Pwr @ Std PTO RPM ..... HP	60.2@539	56.5@538	56.5@538
" " " " " .... *(kW)*	*(45.0)*@539	*(42.1)*@538	*(42.1)*@538
Eng RPM	2196	2190	2190
Fuel: Gal/hr *(l/h)*	3.80 *(14.38)*	3.37 *(12.75)*	3.37 *(12.75)*
Hp. hr/gal *(kWh/l)*	15.84 *(3.12)*	16.80 *(3.31)*	16.80 *(3.31)*
Maximum Torque rise % @ Engine RPM	39@1442	38@1144	38@1144
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	51.0@5.28	45.9@5.20	47.2@5.18
" *kW* " " ... *(km/h)*	*(38.0@8.49)*	*(34.2@8.37)*	*(35.2@8.34)*
100% Load ... HP@mph	51.0@5.28	45.5@4.57	45.8@4.58
" " ... *(kW@km/h)*	*(38.0@8.49)*	*(33.9@7.36)*	*(34.1@7.37)*
Fuel: ... HP hr/gal *(kWh/l)*	13.64 *(2.69)*	12.78 *(2.52)*	12.69 *(2.50)*
75% Load ... HP@mph	40.0@5.51	36.6@4.90	36.5@4.87
" " ... *(kW@km/h)*	*(29.8@8.86)*	*(27.3@7.88)*	*(27.3@7.84)*
Fuel: ... HP hr/gal *(kWh/l)*	12.89 *(2.54)*	11.73 *(2.31)*	11.98 *(2.36)*
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Reduced Eng RPM	.....	.....	.....
Fuel: ... HP hr/gal*(kWh/l)*	.....	.....	.....
Max Pull: ... lbs@mph	6680@2.25	7080@2.06	9065@1.71
" " ... *(kN@km/h)*	*(29.71@3.62)*	*(31.49@3.32)*	*(40.32@2.76)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	79.0	78.0	78.0
Bystander ... dB(A)	82.6	86.8	84.9
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	3905 *(17.4)*	3275 *(14.6)*	3275 *(14.6)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	13.9 *(52.4)*	14.8 *(56.0)*	14.8 *(56.0)*

NEW HOLLAND

TRACTOR MODEL	TN 75A Dsl (2WD)	TN 75A Dsl (FWA)	TN 75DA Dsl (2WD)
Transmission	16 speed	16 speed	16 speed
NEBR SUM NO (Yr tested)	457 (2003)	457 (2003)	458 (2003)
ENGINE	Turbochgr	Turbochgr	Turbochgr
Bore and Stroke ... in.	4.094x4.528	4.094x4.528	4.094x4.528
" " " ... *(mm)*	*(104.0x115.0)*	*(104.0x115.0)*	*(104.0x115.0)*
No. of Cylinders	3	3	3
Displacement ... cu in *(ml)*	179 *(2930)*	179 *(2930)*	179 *(2930)*
Rated RPM	2300	2300	2300
Compression Ratio	18 to 1	18 to 1	18 to 1
CHASSIS		Front	
Type	Standard	Whl Assist	Standard
Tires: No., Size, Ply ... front	2; 7.50-16; 8	2; 11.2R24;**	2; 7.50-16; 8
rear	2; 16.9R30;**	2; 16.9R30;**	2; 16.9R30;**
Weight as tested ... lbs *(kg)*	6460 *(2930)*	7055 *(3200)*	7145 *(3240)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	63.6@2291	63.6@2291	63.4@2295
" " " " " ... *(kW)*	*(47.4)@2291*	*(47.4)@2291*	*(47.3)@2295*
PTO RPM	563	563	564
Fuel: Gal/hr *(l/h)*	3.94 *(14.92)*	3.94 *(14.92)*	3.94 *(14.91)*
Hp. hr/gal *(kWh/l)*	16.14 *(3.18)*	16.14 *(3.18)*	16.10 *(3.17)*
Max Pwr @ Std PTO RPM ..... HP	63.6@538	63.6@538	63.4@539
" " " " " .... *(kW)*	*(47.4)@538*	*(47.4)@538*	*(47.3)@539*
Eng RPM	2190	2190	2193
Fuel: Gal/hr *(l/h)*	3.88 *(14.68)*	3.88 *(14.68)*	3.89 *(14.74)*
Hp. hr/gal *(kWh/l)*	16.39 *(3.23)*	16.39 *(3.23)*	16.29 *(3.21)*
Maximum Torque rise			
% @ Engine RPM	39@1432	39@1432	39@1410
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	55.1@6.08	55.4@7.06	54.9@6.07
" *kW* " " ... *(km/h)*	*(41.1@9.78)*	*(41.3@11.36)*	*(40.9@9.77)*
100% Load ... HP@mph	48.0@3.81	54.6@5.18	51.5@3.78
" " ... *(kW@km/h)*	*(35.8@6.13)*	*(40.7@8.34)*	*(38.4@6.08)*
Fuel: ... HP hr/gal *(kWh/l)*	12.74 *(2.51)*	14.42 *(2.84)*	13.81 *(2.72)*
75% Load ... HP@mph	39.5@4.20	44.0@5.56	43.0@4.19
" " ... *(kW@km/h)*	*(29.5@6.75)*	*(32.8@8.95)*	*(32.1@6.75)*
Fuel: ... HP hr/gal *(kWh/l)*	12.49 *(2.46)*	13.50 *(2.66)*	13.61 *(2.68)*
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Reduced Eng RPM	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
Max Pull: ... lbs@mph	5135@3.11	6135@2.28	5405@3.06
" " ... *(kN@km/h)*	*(22.83@5.00)*	*(27.29@3.67)*	*(24.04@4.93)*
MAXIMUM SOUND LEVEL	w/o cab	w/o cab	w/cab
At Operator's Ear ... dB(A)	84.9	84.6	78.9
Bystander ... dB(A)	83.0	84.1	83.0
THREE POINT LIFT			
Force available			
@ 24" *(610 mm)* ... lbs *(kN)*	3865 *(17.2)*	3865 *(17.2)*	3865 *(17.2)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	17.1 *(64.9)*	17.1 *(64.9)*	17.2 *(65.0)*

TRACTOR MODEL	TN 75DA Dsl (FWA)	TL 80 Dsl (2WD)	TL 80 Dsl (FWA)
Transmission	16 speed	24 speed	24 speed
NEBR SUM NO (Yr tested)	458 (2003)	348 (1999)	348 (1999)
ENGINE	Turbochgr		
Bore and Stroke ... in.	4.094x4.528	4.094x4.528	4.094x4.528
" " " ... *(mm)*	*(104.0x115.0)*	*(104.0x115.0)*	*(104.0x115.0)*
No. of Cylinders	3	4	4
Displacement ... cu in *(ml)*	179 *(2930)*	238 *(3908)*	238 *(3908)*
Rated RPM	2300	2500	2500
Compression Ratio	18 to 1	16.5 to 1	16.5 to 1
CHASSIS	Front		Front
Type	Whl Assist	Standard	Wheel Assist
Tires: No., Size, Ply ... front	2; 11.2R24;**	2; 7.50-16; 8	2;320/70R24;**
rear	2; 16.9R30;**	2; 480/70R30;**	2;480/70R30;**
Weight as tested ... lbs *(kg)*	7695 *(3490)*	9315 *(4225)*	9900 *(4490)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM ... HP	63.4@2295	68.0@2496	68.0@2496
" " " " " ... *(kW)*	*(47.3)*@2295	*(50.7)*@2496	*(50.7)*@2496
PTO RPM	564	613	613
Fuel: Gal/hr *(l/h)*	3.94 *(14.91)*	4.21 *(15.94)*	4.21 *(15.94)*
Hp. hr/gal *(kW.h/l)*	16.10 *(3.17)*	16.14 *(3.18)*	16.14 *(3.18)*
Max Pwr @ Std PTO RPM ... HP	63.4@539	66.0@541	66.0@541
" " " " " ... *(kW)*	*(47.3)*@539	*(49.2)*@541	*(49.2)*@541
Eng RPM	2193	2203	2203
Fuel: Gal/hr *(l/h)*	3.89 *(14.74)*	3.88 *(14.70)*	3.88 *(14.70)*
Hp. hr/gal *(kW.h/l)*	16.29 *(3.21)*	17.00 *(3.35)*	17.00 *(3.35)*
Maximum Torque rise % @ Engine RPM	39@1410	31@1254	31@1254
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	55.4@7.09	55.4@4.77	54.8@4.86
" *kW* " " ... *(km/h)*	*(41.3@11.41)*	*(41.3@7.68)*	*(40.9@7.83)*
100% Load ... HP@mph	53.9@5.20	55.4@4.77	54.8@4.86
" " ... *(kW@km/h)*	*(40.2@8.37)*	*(41.3@7.68)*	*(40.9@7.83)*
Fuel: ... HP hr/gal *(kW.h/l)*	13.97 *(2.75)*	13.81 *(2.72)*	13.45 *(2.65)*
75% Load ... HP@mph	44.0@5.64	43.3@4.96	42.5@5.10
" " ... *(kW@km/h)*	*(32.8@9.07)*	*(32.3@7.99)*	*(31.7@8.20)*
Fuel: ... HP hr/gal *(kW.h/l)*	13.10 *(2.58)*	12.94 *(2.55)*	12.33 *(2.43)*
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kW.h/l)*	.....	.....	.....
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Reduced Eng RPM	.....	.....	.....
Fuel: ... HP hr/gal*(kW.h/l)*	.....	.....	.....
Max Pull: ... lbs@mph	6590@2.73	6680@2.69	9195@1.90
" " ... *(kN@km/h)*	*(29.31@4.40)*	*(29.72@4.32)*	*(40.91@3.05)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	79.8	77.5	77.5
Bystander ... dB(A)	83.9	86.8	84.9
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	3865 *(17.2)*	3275 *(14.6)*	3275 *(14.6)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	17.2 *(65.0)*	14.8 *(56.0)*	14.8 *(56.0)*

NEW HOLLAND

TRACTOR MODEL	TL 90 Dsl (2WD)	TL 90 Dsl (FWA)	TL 100 Dsl (2WD)
Transmission	24 speed	24 speed	24 speed
NEBR SUM NO (Yr tested)	349 (1999)	349 (1999)	350 (1999)
ENGINE	Turbochgr	Turbochgr	Turbochgr
Bore and Stroke ... in.	4.094x4.528	4.094x4.528	4.094x4.528
" " " ... *(mm)*	*(104.0x115.0)*	*(104.0x115.0)*	*(104.0x115.0)*
No. of Cylinders	4	4	4
Displacement ... cu in *(ml)*	238 *(3908)*	238 *(3908)*	238 *(3908)*
Rated RPM	2500	2500	2500
Compression Ratio	16.5 to 1	16.5 to 1	16.5 to 1
CHASSIS		Front	
Type	Standard	Whl Assist	Standard
Tires: No., Size, Ply ... front	2; 7.50-18; 8	2;380/70R24;**	2; 7:50-20; 8
rear	2; 480/70R34;**	2;480/70R34;**	2; 480/70R34;**
Weight as tested ... lbs *(kg)*	9480 *(4300)*	10075 *(4570)*	9790 *(4440)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	78.2@2500	78.2@2500	83.1@2495
" " " " " ... *(kW)*	*(58.3)*@2500	*(58.3)*@2500	*(62.0)*@2495
PTO RPM	1050	1050	1048
Fuel: Gal/hr *(l/h)*	4.78 *(18.11)*	4.78 *(18.11)*	4.98 *(18.85)*
Hp. hr/gal *(kWh/l)*	16.34 *(3.22)*	16.34 *(3.22)*	16.70 *(3.29)*
Max Pwr @ Std PTO RPM ..... HP	81.2@1006	81.2@1006	81.9@1000
" " " " " " .... *(kW)*	*(60.6)*@1006	*(60.6)*@1006	*(61.1)*@1000
Eng RPM	2395	2395	2381
Fuel: Gal/hr *(l/h)*	4.77 *(18.07)*	4.77 *(18.07)*	4.79 *(18.13)*
Hp. hr/gal *(kWh/l)*	17.00 *(3.35)*	17.00 *(3.35)*	17.11 *(3.37)*
Maximum Torque rise % @ Engine RPM	31@1305	31@1305	39@1550
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	64.6@5.15	62.5@5.24	71.5@5.87
" *kW* " " ... *(km/h)*	*(48.2@8.29)*	*(46.6@8.43)*	*(53.3@9.45)*
100% Load ... HP@mph	63.7@4.57	61.0@4.63	69.9@4.53
" " ... *(kW@km/h)*	*(47.5@7.35)*	*(45.5@7.45)*	*(52.1@7.29)*
Fuel: ... HP hr/gal *(kWh/l)*	13.52 *(2.66)*	12.79 *(2.52)*	13.65 *(2.69)*
75% Load ... HP@mph	50.7@4.87	48.6@4.93	57.4@4.98
" " ... *(kW@km/h)*	*(37.8@7.83)*	*(36.3@7.94)*	*(42.8@8.01)*
Fuel: ... HP hr/gal *(kWh/l)*	11.37 *(2.24)*	11.84 *(2.33)*	12.23 *(2.41)*
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Fuel: ... HP hr/gal *(kWh/l)*	.....	.....	.....
50% Load ... HP@mph	.....	.....	.....
" " ... *(kW@km/h)*	.....	.....	.....
Reduced Eng RPM	.....	.....	.....
Fuel: ... HP hr/gal*(kWh/l)*	.....	.....	.....
Max Pull: ... lbs@mph	7565@2.81	9285@2.08	7165@3.04
" " ... *(kN@km/h)*	*(33.65@4.53)*	*(41.30@3.35)*	*(31.88@4.89)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	78.0	78.0	77.6
Bystander ... dB(A)	86.8	84.9	86.8
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	4070*(18.1)*	4070*(18.1)*	6185*(27.5)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	14.8*(56.0)*	14.8*(56.0)*	14.6*(55.4)*

TRACTOR MODEL	TL 100 Dsl (FWA)	TS 100A Dsl (2WD)	TS 100A Dsl (FWA)
Transmission	24 speed	12 speed	12 speed
NEBR SUM NO (Yr tested)	350 (1999)	497 (2004)	497 (2004)
ENGINE	Turbochgr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.094x4.528	4.094x5.196	4.094x5.196
" " " ... *(mm)*	*(104.0x115.0)*	*(104.0x132.0)*	*(104.0x132.0)*
No. of Cylinders	4	4	4
Displacement ... cu in *(ml)*	238 *(3908)*	274 *(4485)*	274 *(4485)*
Rated RPM	2500	2200	2200
Compression Ratio	16.5 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 380/70R24;**	2; 480/65R28;**	2; 480/65R28;**
rear	2; 480/70R34;**	2; 600/65R38;**	2; 600/65R38;**
Weight as tested ... lbs *(kg)*	10450 *(4740)*	11365 *(5155)*	11365 *(5155)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	83.1@2495	86.9@2200	86.9@2200
" " " " " ... *(kW)*	*(62.0)*@2495	*(64.8)*@2200	*(64.8)*@2200
PTO RPM	1048	1038	1038
Fuel: Gal/hr *(l/h)*	4.98 *(18.85)*	5.84 *(22.09)*	5.84 *(22.09)*
Hp. hr/gal *(kWh/l)*	16.70 *(3.29)*	14.87 *(2.93)*	14.87 *(2.93)*
Max Pwr @ Std PTO RPM ..... HP	81.9@1000	87.2@1001	87.2@1001
" " " " " .... *(kW)*	*(61.1)*@1000	*(65.0)*@1001	*(65.0)*@1001
Eng RPM	2381	2121	2121
Fuel: Gal/hr *(l/h)*	4.79 *(18.13)*	5.70 *(21.59)*	5.70 *(21.59)*
Hp. hr/gal *(kWh/l)*	17.11 *(3.37)*	15.28 *(3.01)*	15.28 *(3.01)*
Maximum Torque rise % @ Engine RPM	39@1550	55@1252	55@1252
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	68.5@7.67	77.0@3.81	76.2@3.17
" *kW* " " ... *(km/h)*	*(51.1@12.34)*	*(57.4@6.13)*	*(56.8@5.10)*
100% Load ... HP@mph	67.6@4.59	75.6@4.43	74.7@4.52
" " ... *(kW@km/h)*	*(50.4@7.38)*	*(56.4@7.13)*	*(55.7@7.27)*
Fuel: ... HP hr/gal *(kWh/l)*	13.45 *(2.65)*	12.89 *(2.54)*	12.94 *(2.55)*
75% Load ... HP@mph	55.8@5.05	62.1@4.84	60.7@4.90
" " ... *(kW@km/h)*	*(41.6@8.13)*	*(46.3@7.78)*	*(45.3@7.88)*
Fuel: ... HP hr/gal *(kWh/l)*	12.23 *(2.41)*	11.12 *(2.19)*	11.22 *(2.21)*
50% Load ... HP@mph	.....	41.3@4.86	40.8@4.92
" " ... *(kW@km/h)*	.....	*(30.8@7.82)*	*(30.4@7.92)*
Fuel: ... HP hr/gal *(kWh/l)*	.....	9.80 *(1.93)*	9.54 *(1.88)*
50% Load ... HP@mph	.....	41.3@4.85	40.5@4.92
" " ... *(kW@km/h)*	.....	*(30.8@7.81)*	*(30.2@7.91)*
Reduced Eng RPM	.....	1660	1654
Fuel: ... HP hr/gal*(kWh/l)*	.....	13.05 *(2.57)*	12.89 *(2.54)*
Max Pull: ... lbs@mph	9525@2.36	9420@1.17	12050@1.19
" " ... *(kN@km/h)*	*(42.38@3.80)*	*(41.9@1.88)*	*(53.6@1.91)*
MAXIMUM SOUND LEVEL	w/cab	w/o cab w/cab	w/o cab w/cab
At Operator's Ear ... dB(A)	77.6	85.0 74.0	85.0 74.0
Bystander ... dB(A)	84.9	....	....
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	6185 *(27.5)*	5485 *(24.4)*	5485 *(24.4)*
HYDRAULIC FLOW Gal/min *(l/min)*	14.6 *(55.4)*	22.0 *(83.3)*	22.0 *(83.3)*

NEW HOLLAND

TRACTOR MODEL	TS 115A Dsl (2WD)	TS 115A Dsl (FWA)	TS 125A Dsl (2WD)
Transmission	24 speed Pwrshift	24 speed Pwrshift	24 speed Pwrshift
NEBR SUM NO (Yr tested)	498 (2004)	498 (2004)	499 (2005)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.094x5.196	4.094x5.196	4.094x5.196
" " " ... *(mm)*	*(104.0x132.0)*	*(104.0x132.0)*	*(104.0x132.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	410 *(6728)*	410 *(6728)*	410 *(6728)*
Rated RPM	2200	2200	2200
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front Whl Assist	Front Whl Assist	Front Whl Assist
Type			
Tires: No., Size, Ply ... front	2; 480/65R28; **	2; 480/65R28; **	2; 480/65R28;**
rear	2; 600/65R38; **	2; 600/65R38; **	2; 600/65R38;**
Weight as tested ... lbs *(kg)*	12005 *(5445)*	12005 *(5445)*	12230 *(5548)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	101.0@2200	101.0@2200	109.4@2200
" " " " " ... *(kW)*	*(75.3)*@2200	*(75.3)*@2200	*(81.6)*@2200
PTO RPM	1038	1038	1036
Fuel: Gal/hr *(l/h)*	6.73 *(25.47)*	6.73 *(25.47)*	6.65 *(25.17)*
Hp. hr/gal *(kW.h/l)*	15.01 *(2.96)*	15.01 *(2.96)*	16.45 *(3.24)*
Max Pwr @ Std PTO RPM ..... HP	103.7@999	103.7@999	113.6@1000
" " " " " .... *(kW)*	*(77.3)*@999	*(77.3)*@999	*(84.7)*@1000
Eng RPM	2119	2119	2123
Fuel: Gal/hr *(l/h)*	6.68 *(25.29)*	6.68 *(25.29)*	6.64 *(25.14)*
Hp. hr/gal *(kW.h/l)*	15.53*(3.06)*	15.53*(3.06)*	17.11 *(3.37)*
Maximum Torque rise % @ Engine RPM	58@1301	58@1301	49@1406
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	87.7@6.71	86.8@3.99	102.7@6.31
" *kW* " " ... *(km/h)*	*(65.4@10.80)*	*(64.7@6.42)*	*(76.6@10.16)*
100% Load ... HP@mph	84.4@4.43	83.4@4.50	90.4@7.38
" " ... *(kW@km/h)*	*(62.9@7.13)*	*(62.2@7.24)*	*(67.4@11.88)*
Fuel: ... HP hr/gal *(kW.h/l)*	12.59 *(2.48)*	12.49 *(2.46)*	14.06 *(2.77)*
75% Load ... HP@mph	67.9@4.76	66.5@4.78	70.3@7.67
" " ... *(kW@km/h)*	*(50.6@7.67)*	*(49.6@7.70)*	*(52.4@12.35)*
Fuel: ... HP hr/gal *(kW.h/l)*	11.17 *(2.20)*	11.08 *(2.18)*	12.89 *(2.54)*
50% Load ... HP@mph	46.1@4.85	44.8@4.87	47.6@7.81
" " ... *(kW@km/h)*	*(34.4@7.80)*	*(33.4@7.83)*	*(35.5@12.57)*
Fuel: ... HP hr/gal *(kW.h/l)*	9.34 *(1.84)*	9.05 *(1.78)*	10.34 *(2.04)*
50% Load ... HP@mph	46.1@4.86	44.9@4.88	47.7@7.79
" " ... *(kW@km/h)*	*(34.4@7.82)*	*(33.5@7.86)*	*(35.6@12.54)*
Reduced Eng RPM	2027	2014	1919
Fuel: ... HP hr/gal*(kW.h/l)*	11.10 *(2.19)*	10.61 *(2.09)*	12.18 *(2.40)*
Max Pull: ... lbs@mph	9305@2.44	12365@0.98	9845@1.16
" " ... *(kN@km/h)*	*(41.4@3.93)*	*(55.0@1.57)*	*(43.8@1.86)*
MAXIMUM SOUND LEVEL	w/o cab w/cab	w/o cab w/cab	w/o cab w/cab
At Operator's Ear ... dB(A)	86.0 74.0	86.0 75.0	84.0 68.0
Bystander ... dB(A)	....	....	....
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	5485 *(24.4)*	5485 *(24.4)*	5485 *(24.4)*
HYDRAULIC FLOW Gal/min *(l/min)*	22.2 *(84.0)*	22.2 *(84.0)*	21.8 *(82.5)*

TRACTOR MODEL	TS 125A Dsl (FWA)	TS 135A Dsl (2WD)	TS 135A Dsl (FWA)
Transmission	24 speed Pwrshift	16 speed Pwrshift	16 speed Pwrshift
NEBR SUM NO (Yr tested)	499 (2005)	500 (2004)	500 (2004)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.094x5.196	4.094x5.196	4.094x5.196
" " " ... *(mm)*	*(104.0x132.0)*	*(104.0x132.0)*	*(104.0x132.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	410 *(6728)*	410 *(6728)*	410 *(6728)*
Rated RPM	2200	2200	2200
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 480/65R28;**	2; 480/65R28;**	2; 480/65R28;**
rear	2; 600/65R38;**	2; 600/65R38;**	2; 600/65R38;**
Weight as tested ... lbs *(kg)*	12230 *(5548)*	12185 *(5527)*	12185 *(5527)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	109.4@2200	114.5@2199	114.5@2199
" " " " " ... *(kW)*	*(81.6)*@2200	*(85.4)*@2199	*(85.4)*@2199
PTO RPM	1036	1037	1037
Fuel: Gal/hr *(l/h)*	6.65 *(25.17)*	7.19 *(27.22)*	7.19 *(27.22)*
Hp. hr/gal *(kWh/l)*	16.45 *(3.24)*	15.93 *(3.14)*	15.93 *(3.14)*
Max Pwr @ Std PTO RPM ..... HP	113.6@1000	120.1@1000	120.1@1000
" " " " " .... *(kW)*	*(84.7)*@1000	*(89.6)*@1000	*(89.6)*@1000
Eng RPM	2123	2120	2120
Fuel: Gal/hr *(l/h)*	6.64 *(25.14)*	7.21 *(27.29)*	7.21 *(27.29)*
Hp. hr/gal *(kWh/l)*	17.11 *(3.37)*	16.65 *(3.28)*	16.65 *(3.28)*
Maximum Torque rise % @ Engine RPM	49@1406	49@1398	49@1398
DRAWBAR PERFORMANCE			
Max HP (Short Term) ..... @mph	100.7@6.36	106.5@8.74	106.6@4.49
" *kW* " " ... *(km/h)*	*(75.1@10.23)*	*(79.4@14.06)*	*(79.5@7.23)*
100% Load ... HP@mph	88.5@4.48	91.3@4.10	94.4@4.28
" " ... *(kW@km/h)*	*(66.0@7.21)*	*(68.1@6.60)*	*(70.4@6.88)*
Fuel: ... HP hr/gal *(kWh/l)*	13.20 *(2.60)*	12.89 *(2.54)*	13.50 *(2.66)*
75% Load ... HP@mph	68.9@4.65	73.4@4.40	74.0@4.47
" " ... *(kW@km/h)*	*(51.4@7.49)*	*(54.7@7.08)*	*(55.2@7.20)*
Fuel: ... HP hr/gal *(kWh/l)*	12.39 *(2.44)*	11.93 *(2.35)*	12.14 *(2.39)*
50% Load ... HP@mph	47.1@4.76	50.5@4.52	50.7@4.58
" " ... *(kW@km/h)*	*(35.1@7.66)*	*(37.7@7.27)*	*(37.8@7.37)*
Fuel: ... HP hr/gal *(kWh/l)*	9.44 *(1.86)*	9.90 *(1.95)*	10.05 *(1.98)*
50% Load ... HP@mph	47.1@4.78	50.6@4.53	50.7@4.60
" " ... *(kW@km/h)*	*(35.1@7.69)*	*(37.7@7.29)*	*(37.8@7.40)*
Reduced Eng RPM	1980	2055	2052
Fuel: ... HP hr/gal*(kWh/l)*	11.98 *(2.36)*	12.03 *(2.37)*	11.67 *(2.30)*
Max Pull: ... lbs@mph	12770@1.17	8565@1.32	11755@2.00
" " ... *(kN@km/h)*	*(56.8@1.89)*	*(38.1@2.12)*	*(52.3@3.21)*
MAXIMUM SOUND LEVEL	w/o cab w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	84.0 69.0	72.0	73.0
Bystander ... dB(A)	....	....	....
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	5485 *(24.4)*	9530 *(42.4)*	9530 *(42.4)*
HYDRAULIC FLOW Gal/min *(l/min)*	21.8 *(82.5)*	26.2 *(99.0)*	26.2 *(99.0)*

NEW HOLLAND

TRACTOR MODEL	TV-145 Dsl (Tested as TV-140 Dsl)	TM 120 Dsl (2WD)	TM 120 Dsl (FWA)
Transmission	Hydrostatic	18 speed Range Cmd	18 speed Range Cmd
NEBR SUM NO (Yr tested)	323 (1999)	428 (2002)	428 (2002)
ENGINE	Turbochgr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.40x5.00	4.40x5.00	4.40x5.00
" " " ... *(mm)*	*(111.8x127.0)*	*(111.8x127.0)*	*(111.8x127.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	456 *(7480)*	456 *(7480)*	456 *(7480)*
Rated RPM	2200	2200	2200
Compression Ratio	17.5 to 1	17.0 to 1	17.0 to 1
CHASSIS		Front	Front
Type	4 Whl Dr	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 480/85R34; **	2; 14.9R28; **	2; 14.9R28; **
rear	2; 480/85R34; **	2; 18.4R38; **	2; 18.4R38; **
Weight as tested ... lbs *(kg)*	14880 *(6749)*	11995 *(5441)*	11995 *(5441)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	103.3@2200	100.7@2202	100.7@2202
" " " " " ... *(kW)*	*(77.0)*@2200	*(75.1)*@2202	*(75.1)*@2202
PTO RPM	1074	1039	1039
Fuel: Gal/hr *(l/h)*	7.74 *(29.29)*	6.77 *(25.63)*	6.77 *(25.63)*
Hp. hr/gal *(kWh/l)*	13.35 *(2.63)*	14.87 *(2.93)*	14.87 *(2.93)*
Max Pwr @ Std PTO RPM ..... HP	109.0@1000	104.1@1000	104.1@1000
" " " " " " .... *(kW)*	*(81.3)*@1000	*(77.6)*@1000	*(77.6)*@1000
Eng RPM	2049	2120	2120
Fuel: Gal/hr *(l/h)*	7.51 *(28.45)*	6.66 *(25.20)*	6.66 *(25.20)*
Hp. hr/gal *(kWh/l)*	14.51 *(2.86)*	15.63 *(3.08)*	15.63 *(3.08)*
Maximum Torque rise % @ Engine RPM	60@1200	55@1154	55@1154
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	87.8@4.44	88.6@9.06	88.5@4.55
" *kW* " " ... *(km/h)*	*(65.5@7.15)*	*(66.1@14.58)*	*(66.0@7.33)*
100% Load ... HP@mph	81.3@5.69	83.7@4.01	83.0@5.07
" " ... *(kW@km/h)*	*(60.6@9.15)*	*(62.4@6.46)*	*(61.9@8.16)*
Fuel: ... HP hr/gal *(kWh/l)*	10.30 *(2.03)*	12.19 *(2.40)*	12.29 *(2.42)*
75% Load ... HP@mph	64.1@5.98	68.1@4.35	66.1@5.39
" " ... *(kW@km/h)*	*(47.8@9.62)*	*(50.8@7.00)*	*(49.3@8.67)*
Fuel: ... HP hr/gal *(kWh/l)*	9.12 *(1.80)*	11.31 *(2.23)*	10.96 *(2.16)*
50% Load ... HP@mph	44.2@6.18	46.8@4.48	44.9@5.49
" " ... *(kW@km/h)*	*(33.0@9.94)*	*(34.9@7.21)*	*(33.5@8.84)*
Fuel: ... HP hr/gal *(kWh/l)*	7.56 *(1.49)*	9.64 *(1.90)*	8.84 *(1.74)*
50% Load ... HP@mph	44.2@6.18	46.5@4.47	44.7@5.47
" " ... *(kW@km/h)*	*(33.0@9.94)*	*(34.7@7.19)*	*(33.3@8.81)*
Reduced Eng RPM	2030	1962	1950
Fuel: ... HP hr/gal *(kWh/l)*	8.65 *(1.71)*	11.22 *(2.21)*	10.41 *(2.05)*
Max Pull: ... lbs@mph	11010@2.42	9055@1.69	12320@1.43
" " ... *(kN@km/h)*	*(48.98@3.89)*	*(40.3@2.73)*	*(54.8@2.30)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	79.0	75.0	76.0
Bystander ... dB(A)	. . . . .	. . . .	. . . .
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	5440 *(24.2)*	7485 *(33.3)*	7485 *(33.3)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	30.1 *(113.8)*	32.1 *(121.5)*	32.1 *(121.5)*

TRACTOR MODEL	TM 130 Dsl (2WD)	TM 130 Dsl (FWA)	TM 140 Dsl (2WD)
Transmission	18 speed Range Cmd	18 speed Range Cmd	18 speed Range Cmd
NEBR SUM NO (Yr tested)	430 (2002)	430 (2002)	432 (2002)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke in.	4.40x5.00	4.40x5.00	4.40x5.00
" " " (mm)	*(111.8x127.0)*	*(111.8x127.0)*	*(111.8x127.0)*
No. of Cylinders	6	6	6
Displacement cu in *(ml)*	456 *(7480)*	456 *(7480)*	456 *(7480)*
Rated RPM	2200	2200	2200
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply front	2; 14.9R28; **	2; 14.9R28; **	2; 16.9R28; **
rear	2; 18.4R38; **	2; 18.4R38; **	2; 20.8R38; **
Weight as tested lbs *(kg)*	12080 *(5480)*	12080 *(5480)*	13100 *(5943)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM HP	113.3@2200	113.3@2200	119.7@2201
" " " " " " (kW)	*(84.5)*@2200	*(84.5)*@2200	*(89.3)*@2201
PTO RPM	1038	1038	1038
Fuel: Gal/hr *(l/h)*	7.22 *(27.33)*	7.22 *(27.33)*	7.81 *(29.58)*
Hp. hr/gal *(kWh/l)*	15.68 *(3.09)*	15.68 *(3.09)*	15.33 *(3.02)*
Max Pwr @ Std PTO RPM HP	112.8@1000	112.8@1000	120.8@1000
" " " " " " (kW)	*(84.1)*@1000	*(84.1)*@1000	*(90.1)*@1000
Eng RPM	2121	2121	2121
Fuel: Gal/hr *(l/h)*	7.02 *(26.59)*	7.02 *(26.59)*	7.67 *(29.05)*
Hp. hr/gal *(kWh/l)*	16.04 *(3.16)*	16.04 *(3.16)*	15.74 *(3.10)*
Maximum Torque rise % @ Engine RPM	28@1400	28@1400	51@1350
DRAWBAR PERFORMANCE			
Max HP (Short Term) @mph	92.5@4.87	95.1@4.09	101.8@4.61
" kW " " (km/h)	*(69.0@7.83)*	*(70.9@6.58)*	*(75.9@7.42)*
100% Load HP@mph	91.9@3.94	95.1@4.09	99.1@4.95
" " (kW@km/h)	*(68.5@6.34)*	*(70.9@6.58)*	*(73.9@7.97)*
Fuel: HP hr/gal *(kWh/l)*	12.85 *(2.53)*	13.21 *(2.60)*	12.84 *(2.53)*
75% Load HP@mph	76.0@4.34	77.2@4.43	79.8@5.32
" " (kW@km/h)	*(56.7@6.99)*	*(57.6@7.14)*	*(59.5@8.57)*
Fuel: HP hr/gal *(kWh/l)*	11.68 *(2.30)*	11.97 *(2.36)*	11.62 *(2.29)*
50% Load HP@mph	51.7@4.43	52.4@4.51	54.2@5.41
" " (kW@km/h)	*(38.5@7.13)*	*(39.1@7.25)*	*(40.4@8.70)*
Fuel: HP hr/gal *(kWh/l)*	9.73 *(1.92)*	9.59*(1.89)*	9.55*(1.88)*
50% Load HP@mph	51.9@4.44	52.3@4.50	54.0@5.40
" " (kW@km/h)	*(38.7@7.14)*	*(39.0@7.24)*	*(40.3@8.69)*
Reduced Eng RPM	1961	1955	1948
Fuel: HP hr/gal*(kWh/l)*	11.85 *(2.33)*	13.30 *(2.62)*	11.47 *(2.26)*
Max Pull: lbs@mph	9780@1.40	12550@1.43	11105@1.42
" " (kN@km/h)	*(43.5@2.26)*	*(55.8@2.29)*	*(49.4@2.28)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear dB(A)	75.0	76.0	75.0
Bystander dB(A)	. . . . .	. . . . .	. . . . .
THREE POINT LIFT Force available @ 24" *(610 mm)* lbs *(kN)*	7510 *(33.4)*	7510 *(33.4)*	7485 *(33.3)*
HYDRAULIC FLOW Gal/min *(l/min)*	32.1 *(119.5)*	32.1 *(119.5)*	32.1 *(121.5)*

NEW HOLLAND

TRACTOR MODEL	TM 140 Dsl (FWA)	TM 155 Dsl (2WD)	TM 155 Dsl (FWA)
Transmission	18 speed Range Cmd	18 speed Range Cmd	18 speed Range Cmd
NEBR SUM NO (Yr tested)	432 (2002)	434 (2003)	434 (2003)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.40x5.00	4.40x5.00	4.40x5.00
" " " ... *(mm)*	*(111.8x127.0)*	*(111.8x127.0)*	*(111.8x127.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	456 *(7480)*	456 *(7480)*	456 *(7480)*
Rated RPM	2200	2200	2200
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 16.9R28; **	2; 16.9R28; **	2; 16.9R28; **
rear	2; 20.8R38; **	2; 20.8R38; **	2; 20.8R38; **
Weight as tested ... lbs *(kg)*	13100 *(5943)*	13085 *(5935)*	13085 *(5935)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	119.7@2201	131.6@2200	131.6@2200
" " " " " ... *(kW)*	*(89.3)*@2201	*(98.1)*@2200	*(98.1)*@2200
PTO RPM	1038	1038	1038
Fuel: Gal/hr *(l/h)*	7.81 *(29.58)*	8.36 *(31.65)*	8.36 *(31.65)*
Hp. hr/gal *(kWh/l)*	15.33 *(3.02)*	15.74 *(3.10)*	15.74 *(3.10)*
Max Pwr @ Std PTO RPM ..... HP	120.8@1000	133.6@1000	133.6@1000
" " " " " .... *(kW)*	*(90.1)*@1000	*(99.6)*@1000	*(99.6)*@1000
Eng RPM	2121	2121	2121
Fuel: Gal/hr *(l/h)*	7.67 *(29.05)*	8.22 *(31.12)*	8.22 *(31.12)*
Hp. hr/gal *(kWh/l)*	15.74 *(3.10)*	16.24 *(3.20)*	16.24 *(3.20)*
Maximum Torque rise % @ Engine RPM	51@1350	47@1251	47@1251
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	102.7@4.74	108.9@9.36	109.8@4.73
" *kW* " " ... *(km/h)*	*(76.6@7.63)*	*(81.2@15.06)*	*(81.9@7.61)*
100% Load ... HP@mph	101.2@5.07	103.3@3.94	108.5@4.09
" " ... *(kW@km/h)*	*(75.5@8.16)*	*(77.0@6.34)*	*(80.9@6.59)*
Fuel: ... HP hr/gal *(kWh/l)*	12.97 *(2.55)*	12.43 *(2.45)*	12.99 *(2.56)*
75% Load ... HP@mph	81.1@5.40	83.4@4.24	86.4@4.36
" " ... *(kW@km/h)*	*(60.5@8.69)*	*(62.2@6.83)*	*(64.4@7.01)*
Fuel: ... HP hr/gal *(kWh/l)*	11.83 *(2.33)*	12.33 *(2.43)*	11.42 *(2.25)*
50% Load ... HP@mph	54.8@5.47	57.1@4.36	58.5@4.42
" " ... *(kW@km/h)*	*(40.9@8.81)*	*(42.6@7.02)*	*(43.6@7.11)*
Fuel: ... HP hr/gal *(kWh/l)*	9.97 *(1.96)*	9.85 *(1.94)*	10.20 *(2.01)*
50% Load ... HP@mph	54.7@5.47	57.0@4.35	58.7@4.43
" " ... *(kW@km/h)*	*(40.8@8.81)*	*(42.5@7.00)*	*(43.8@7.13)*
Reduced Eng RPM	1946	1925	1929
Fuel: ... HP hr/gal *(kWh/l)*	11.70 *(2.31)*	12.09 *(2.38)*	11.83 *(2.33)*
Max Pull: ... lbs@mph	13895@1.42	10780@1.41	13915@1.40
" " ... *(kN@km/h)*	*(61.8@2.28)*	*(47.9@2.26)*	*(61.9@2.25)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	75.0	76.0	75.0
Bystander ... dB(A)	.....	.....	.....
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	7485 *(33.3)*	7485 *(33.3)*	7485 *(33.3)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	32.1 *(121.5)*	32.1 *(121.7)*	32.1 *(121.7)*

TRACTOR MODEL	TM 175 Dsl (2WD)	TM 175 Dsl (FWA)
Transmission	19 speed Pwrshift	19 speed Pwrshift
NEBR SUM NO (Yr tested)	436 (2003)	436 (2003)
ENGINE	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.40x5.00	4.40x5.00
" " " ... *(mm)*	*(111.8x127.0)*	*(111.8x127.0)*
No. of Cylinders	6	6
Displacement ... cu in *(ml)*	456 *(7480)*	456 *(7480)*
Rated RPM	2200	2200
Compression Ratio	17.0 to 1	17.0 to 1
CHASSIS	Front	Front
Type	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 540/65R30;**	2; 540/65R30; **
rear	2; 650/65R42;**	2; 650/65R42; **
Weight as tested ... lbs *(kg)*	15960 *(7240)*	15960 *(7240)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	151.3@2200	151.3@2200
" " " " " " ... *(kW)*	*(112.8)*@2200	*(112.8)*@2200
PTO RPM	1021	1021
Fuel: Gal/hr *(l/h)*	9.49 *(35.93)*	9.49 *(35.93)*
Hp. hr/gal *(kWh/l)*	15.94 *(3.14)*	15.94 *(3.14)*
Max Pwr @ Std PTO RPM ... HP	154.2@1000	154.2@1000
" " " " " " .... *(kW)*	*(115.0)*@1000	*(115.0)*@1000
Eng RPM	2154	2154
Fuel: Gal/hr *(l/h)*	9.44 *(35.73)*	9.44 *(35.73)*
Hp. hr/gal *(kWh/l)*	16.34 *(3.22)*	16.34 *(3.22)*
Maximum Torque rise % @ Engine RPM	41@1500	41@1500
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	139.2@5.69	139.1@5.73
" *kW* " " ... *(km/h)*	*(103.8@9.15)*	*(103.7@9.21)*
100% Load ... HP@mph	125.1@4.74	123.6@4.83
" " ... *(kW@km/h)*	*(93.3@7.64)*	*(92.2@7.77)*
Fuel: ... HP hr/gal *(kWh/l)*	12.96 *(2.55)*	13.03 *(2.57)*
75% Load ... HP@mph	99.0@5.00	96.8@5.05
" " ... *(kW@km/h)*	*(73.8@8.04)*	*(72.2@8.12)*
Fuel: ... HP hr/gal *(kWh/l)*	12.64 *(2.49)*	11.52 *(2.27)*
50% Load ... HP@mph	67.3@5.10	66.1@5.15
" " ... *(kW@km/h)*	*(50.2@8.22)*	*(49.3@8.28)*
Fuel: ... HP hr/gal *(kWh/l)*	10.81 *(2.13)*	10.21 *(2.01)*
50% Load ... HP@mph	67.7@5.12	66.4@5.17
" " ... *(kW@km/h)*	*(50.5@8.24)*	*(49.5@8.32)*
Reduced Eng RPM	1921	1921
Fuel: ... HP hr/gal*(kWh/l)*	12.07 *(2.38)*	12.07 *(2.38)*
Max Pull: ... lbs@mph	12925@1.10	16455@1.10
" " ... *(kN@km/h)*	*(57.5@1.77)*	*(73.2@1.77)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ... dB(A)	76.0	76.0
Bystander ... dB(A)	.....	.....
THREE POINT LIFT		
Force available @ 24" *(610 mm)* ... lbs *(kN)*	11305 *(50.3)*	11305 *(50.3)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	31.2 *(118.0)*	31.2 *(118.0)*

NEW HOLLAND

TRACTOR MODEL	TM 190 Dsl (2WD)	TM 190 Dsl (FWA)
Transmission	19 speed Pwrshift	19 speed Pwrshift
NEBR SUM NO (Yr tested)	438 (2003)	438 (2003)
ENGINE	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.40x5.00	4.40x5.00
" " " ... *(mm)*	*(111.8x127.0)*	*(111.8x127.0)*
No. of Cylinders	6	6
Displacement ... cu in *(ml)*	456 *(7480)*	456 *(7480)*
Rated RPM	2200	2200
Compression Ratio	17.0 to 1	17.0 to 1
CHASSIS	Front	Front
Type	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 540/65R30;**	2; 540/65R30;**
rear	2; 650/65R42;**	2; 650/65R42;**
Weight as tested ... lbs *(kg)*	17635 *(8000)*	17635 *(8000)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	163.6@2199	163.6@2199
" " " " " " ... *(kW)*	*(122.0)*@2199	*(122.0)*@2199
PTO RPM	1021	1021
Fuel: Gal/hr *(l/h)*	10.12 *(38.32)*	10.12 *(38.32)*
Hp. hr/gal *(kWh/l)*	16.16 *(3.18)*	16.16 *(3.18)*
Max Pwr @ Std PTO RPM ..... HP	167.4@1000	167.4@1000
" " " " " " .... *(kW)*	*(124.8)*@1000	*(124.8)*@1000
Eng RPM	2153	2153
Fuel: Gal/hr *(l/h)*	10.20*(38.60)*	10.20 *(38.60)*
Hp. hr/gal *(kWh/l)*	16.41 *(3.23)*	16.41 *(3.23)*
Maximum Torque rise % @ Engine RPM	41@1505	41@1505
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	148.2@8.38	151.3@4.13
" *kW* " " ... *(km/h)*	*(110.5@13.48)*	*(112.8@6.65)*
100% Load ... HP@mph	131.4@4.65	137.6@4.85
" " ... *(kW@km/h)*	*(98.0@7.48)*	*(102.6@7.80)*
Fuel: ... HP hr/gal *(kWh/l)*	12.94 *(2.55)*	13.25 *(2.61)*
75% Load ... HP@mph	105.0@4.96	108.5@5.09
" " ... *(kW@km/h)*	*(78.3@7.98)*	*(80.9@8.19)*
Fuel: ... HP hr/gal *(kWh/l)*	13.31 *(2.62)*	12.39 *(2.44)*
50% Load ... HP@mph	71.9@5.07	73.5@5.17
" " ... *(kW@km/h)*	*(53.6@8.16)*	*(54.8@8.32)*
Fuel: ... HP hr/gal *(kWh/l)*	10.25 *(2.02)*	10.55 *(2.08)*
50% Load ... HP@mph	71.6@5.08	74.0@5.20
" " ... *(kW@km/h)*	*(53.4@8.17)*	*(55.2@8.37)*
Reduced Eng RPM	1922	1922
Fuel: ... HP hr/gal*(kWh/l)*	12.79 *(2.52)*	12.74 *(2.51)*
Max Pull: ... lbs@mph	12390@1.11	17465@1.32
" " ... *(kN@km/h)*	*(55.1@1.78)*	*(77.7@2.13)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ... dB(A)	76.0	76.0
Bystander ... dB(A)	.....	.....
THREE POINT LIFT		
Force available @ 24" *(610 mm)* ... lbs *(kN)*	11285*(50.2)*	11285*(50.2)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	30.9 *(117.0)*	30.9 *(117.0)*

TRACTOR MODEL	TG 210 Dsl (Unbal-FWA)	TG 210 Dsl (Bal-FWA)	TG 230 Dsl (Unbal-FWA)
Transmission	18 speed Pwrshift	18 speed Pwrshift	18 speed Pwrshift
NEBR SUM NO (Yr tested)	417 (2003)	417 (2003)	418 (2003)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.488x5.315	4.488x5.315	4.488x5.315
" " " ... *(mm)*	*(114.0x135.0)*	*(114.0x135.0)*	*(114.0x135.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	505 *(8268)*	505 *(8268)*	505 *(8268)*
Rated RPM	2200	2200	2200
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 420/90R30;**	2; 420/90R30;**	2; 420/90R30;**
rear	2; 520/85R42;**	4; 520/85R42;**	2; 520/85R42;**
Weight as tested ... lbs *(kg)*	20630 *(9358)*	23435 *(10630)*	20515 *(9305)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	173.09@2200	173.09@2200	193.40@2200
" " " " " ... *(kW)*	*(129.07)*@2200	*(129.07)*@2200	*(144.22)*@2200
PTO RPM	1110	1110	1109
Fuel: Gal/hr *(l/h)*	11.66 *(44.15)*	11.66 *(44.15)*	12.83 *(48.56)*
Hp. hr/gal *(kW.h/l)*	14.84 *(2.92)*	14.84 *(2.92)*	15.07 *(2.97)*
Max Pwr @ Std PTO RPM ..... HP	193.34@1000	193.34@1000	213.61@1000
" " " " " .... *(kW)*	*(144.18)*@1000	*(144.18)*@1000	*(159.29)*@1000
Eng RPM	1982	1982	1984
Fuel: Gal/hr *(l/h)*	11.70 *(44.28)*	11.70 *(44.28)*	12.82 *(48.51)*
Hp. hr/gal *(kW.h/l)*	16.53 *(3.26)*	16.53 *(3.26)*	16.67 *(3.28)*
Maximum Torque rise % @ Engine RPM	64@1250	64@1250	63@1354
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	164.29@4.40	165.68@3.86	182.55@5.38
" *kW* " " ... *(km/h)*	*(122.51@7.08)*	*(123.54@6.21)*	*(136.13@8.66)*
100% Load ... HP@mph	146.80@4.33	*165.68@3.86	163.29@4.30
" " ... *(kW@km/h)*	*(109.47@6.97)*	**(123.54@6.21)*	*(121.77@6.92)*
Fuel: ... HP hr/gal *(kW.h/l)*	12.50 *(2.46)*	*13.99 *(2.76)*	12.63 *(2.49)*
75% Load ... HP@mph	115.63@4.56	*1950 engine	128.57@4.51
" " ... *(kW@km/h)*	*(86.23@7.34)*	rpm	*(95.87@7.26)*
Fuel: ... HP hr/gal *(kW.h/l)*	11.37 *(2.24)*	.....	11.79 *(2.32)*
50% Load ... HP@mph	79.78@4.72	.....	88.39@4.66
" " ... *(kW@km/h)*	*(59.49@7.60)*	.....	*(65.91@7.50)*
Fuel: ... HP hr/gal *(kW.h/l)*	9.75 *(1.92)*	.....	10.14 *(2.00)*
50% Load ... HP@mph	79.39@4.70	.....	88.47@4.67
" " ... *(kW@km/h)*	*(59.20@7.56)*	.....	*(65.97@7.51)*
Reduced Eng RPM	1759	.....	1752
Fuel: ... HP hr/gal*(kW.h/l)*	12.86 *(2.53)*	.....	13.35 *(2.63)*
Max Pull: ... lbs@mph	20092@2.61	23585@2.29	19826@2.59
" " ... *(kN@km/h)*	*(89.37@4.21)*	*(104.91@3.69)*	*(88.19@4.17)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	.....	75.3	.....
Bystander ... dB(A)	85.0	.....	86.4
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	12802 *(56.9)*	12802 *(56.9)*	12802 *(56.9)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	38.6 *(146.1)*	38.6 *(146.1)*	38.7 *(146.5)*

NEW HOLLAND

TRACTOR MODEL	TG 230 Dsl	TG 255 Dsl	TG 255 Dsl
Transmission	(Bal-FWA) 18 speed Pwrshift	(Unbal-FWA) 18 speed Pwrshift	(Bal-FWA) 18 speed Pwrshift
NEBR SUM NO (Yr tested)	418 (2003)	419 (2003)	419 (2003)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.488x5.315	4.488x5.315	4.488x5.315
" " " ... *(mm)*	*(114.0x135.0)*	*(114.0x135.0)*	*(114.0x135.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	505 *(8268)*	505 *(8268)*	505 *(8268)*
Rated RPM	2200	2200	2200
Compression Ratio	17.0 to 1	17.0 to 1	17.0 to 1
CHASSIS	Front	Front	Front
Type	Whl Assist	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2:420/90R30;**	2;420/90R30;**	2;420/90R30;**
rear	4:520/85R42;**	2;520/85R42;**	4;520/85R42;**
Weight as tested ... lbs *(kg)*	25305 *(11478)*	21425 *(9718)*	28460 *(12909)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	193.40@2200	216.48@2200	216.48@2200
" " " " " ... *(kW)*	*(144.22)*@2200	*(161.43)*@2200	*(161.43)*@2200
PTO RPM	1109	1109	1109
Fuel: Gal/hr *(l/h)*	12.83 *(48.56)*	12.41 *(46.97)*	12.41 *(46.97)*
Hp. hr/gal *(kW.h/l)*	15.07 *(2.97)*	17.45 *(3.44)*	17.45 *(3.44)*
Max Pwr @ Std PTO RPM ... HP	213.61@1000	245.98@1000	245.98@1000
" " " " " .... *(kW)*	*(159.29)*@1000	*(183.43)*@1000	*(183.43)*@1000
Eng RPM	1984	1984	1984
Fuel: Gal/hr *(l/h)*	12.82 *(48.51)*	13.46 *(50.96)*	13.46 *(50.96)*
Hp. hr/gal *(kW.h/l)*	16.67 *(3.28)*	18.27 *(3.60)*	18.27 *(3.60)*
Maximum Torque rise % @ Engine RPM	63@1354	60@1199	60@1199
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	182.53@3.54	209.05@6.03	208.62@3.94
" *kW* " " ... *(km/h)*	*(136.11@5.70)*	*(155.89@9.70)*	*(155.57@6.35)*
100% Load ... HP@mph	*182.53@3.54	179.63@4.34	*208.62@3.94
" " ... *(kW@km/h)*	**(136.11@5.70)*	*(133.95@6.98)*	**(155.57@6.35)*
Fuel: ... HP hr/gal *(kW.h/l)*	*14.75 *(2.91)*	14.47 *(2.85)*	*15.20 *(2.99)*
75% Load ... HP@mph	*1800 engine	139.55@4.47	*2000 engine
" " ... *(kW@km/h)*	rpm	*(104.07@7.20)*	rpm
Fuel: ... HP hr/gal *(kW.h/l)*	.....	12.61 *(2.48)*	.....
50% Load ... HP@mph	.....	96.15@4.63	.....
" " ... *(kW@km/h)*	.....	*(71.70@7.45)*	.....
Fuel: ... HP hr/gal *(kW.h/l)*	.....	10.94 *(2.15)*	.....
50% Load ... HP@mph	.....	95.99@4.62	.....
" " ... *(kW@km/h)*	.....	*(71.58@7.43)*	.....
Reduced Eng RPM	.....	1727	.....
Fuel: ... HP hr/gal*(kW.h/l)*	.....	13.17 *(2.58)*	.....
Max Pull: ... lbs@mph	25217@2.35	20629@3.00	27995@2.34
" " ... *(kN@km/h)*	*(112.17@3.78)*	*(91.76@4.83)*	*(124.53@3.76)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	74.4	.....	75.3
Bystander ... dB(A)	.....	87.4	.....
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	12802 *(56.9)*	15183 *(67.5)*	15183 *(67.5)*
HYDRAULIC FLOW Gal/min *(l/min)*	38.7 *(146.5)*	38.7 *(146.5)*	38.7 *(146.5)*

TRACTOR MODEL	TG 285 Dsl (Unbal-FWA)	TG 285 Dsl (Bal-FWA)
Transmission	18 speed Pwrshift	18 speed Pwrshift
NEBR SUM NO (Yr tested)	420 (2003)	420 (2003)
ENGINE	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.488x5.315	4.488x5.315
" " " ... *(mm)*	*(114.0x135.0)*	*(114.0x135.0)*
No. of Cylinders	6	6
Displacement ... cu in *(ml)*	505 *(8268)*	505 *(8268)*
Rated RPM	2200	2200
Compression Ratio	17.0 to 1	17.0 to 1
CHASSIS	Front	Front
Type	Whl Assist	Whl Assist
Tires: No., Size, Ply ... front	2; 420/90R30;**	2; 420/90R30;**
rear	2; 520/85R42;**	4; 520/85R42;**
Weight as tested ... lbs *(kg)*	21350 *(9684)*	31355 *(14222)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	241.55@2199	241.55@2199
" " " " " " ... *(kW)*	*(180.13)*@2199	*(180.13)*@2199
PTO RPM	1110	1110
Fuel: Gal/hr *(l/h)*	13.37 *(50.61)*	13.37 *(50.61)*
Hp. hr/gal *(kW.h/l)*	18.07 *(3.56)*	18.07 *(3.56)*
Max Pwr @ Std PTO RPM ... HP	274.82@1000	274.82@1000
" " " " " " .... *(kW)*	*(204.93)*@1000	*(204.93)*@1000
Eng RPM	1982	1982
Fuel: Gal/hr *(l/h)*	14.78 *(55.93)*	14.78 *(55.93)*
Hp. hr/gal *(kW.h/l)*	18.60 *(3.66)*	18.60 *(3.66)*
Maximum Torque rise % @ Engine RPM	60@1399	60@1399
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	233.57@5.85	235.19@5.19
" *kW* " " ... *(km/h)*	*(174.17@9.42)*	*(175.38@8.55)*
100% Load ... HP@mph	204.52@4.25	*235.19@5.19
" " ... *(kW@km/h)*	*(152.51@6.85)*	*(175.38@8.55)*
Fuel: ... HP hr/gal *(kW.h/l)*	15.19 *(2.99)*	*15.75 *(3.10)*
75% Load ... HP@mph	159.65@4.44	*1980 engine
" " ... *(kW@km/h)*	*(119.05@7.14)*	rpm
Fuel: ... HP hr/gal *(kW.h/l)*	13.92 *(2.74)*	.....
50% Load ... HP@mph	110.12@4.59	.....
" " ... *(kW@km/h)*	*(82.11@7.39)*	.....
Fuel: ... HP hr/gal *(kW.h/l)*	11.91 *(2.35)*	.....
50% Load ... HP@mph	109.94@4.59	.....
" " ... *(kW@km/h)*	*(81.99@7.38)*	.....
Reduced Eng RPM	1726	.....
Fuel: ... HP hr/gal*(kW.h/l)*	14.30 *(2.82)*	.....
Max Pull: ... lbs@mph	20744@3.44	30650@2.34
" " ... *(kN@km/h)*	*(92.27@5.53)*	*(136.34@3.77)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ... dB(A)	.....	74.7
Bystander ... dB(A)	86.3	.....
THREE POINT LIFT Force available @ 24" *(610 mm)* ... lbs *(kN)*	16375 *(72.8)*	16375 *(72.8)*
HYDRAULIC FLOW Gal/min *(l/min)*	39.0 *(147.6)*	39.0 *(147.6)*

NEW HOLLAND

TRACTOR MODEL	TJ 275 Dsl (Tested as Case IH STX 275 Dsl) 16 speed	TJ 325 Dsl (Tested as Case IH STX 325 Dsl) 16 speed	TJ 375 Dsl (Tested as Case IH STX 375 Dsl) 16 speed
NEBR SUM NO (Yr tested)	361 (2001)	362 (2001)	335 (2000)
ENGINE	Turbo-Intr	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	4.488x5.315	4.488x5.689	5.394x6.654
" " " ... *(mm)*	*(114.0x135.0)*	*(114.0 x 144.5)*	*(137.0x169.0)*
No. of Cylinders	6	6	6
Displacement ... cu in *(ml)*	505 *(8268)*	540 *(8849)*	912 *(14945)*
Rated RPM	2000	2000	2000
Compression Ratio	17.1 to 1	16.5 to 1	16.5 to 1
CHASSIS			
Type	4 Whl Dr	4 Whl Dr	4 Whl Dr
Tires: No., Size, Ply ... front	4; 20.8R42; **	4; 20.8R42; **	4; 20.8R42; **
rear	4; 20.8R42; **	4; 20.8R42; **	4; 20.8R42; **
Weight as tested ... lbs *(kg)*	31960 *(14497)*	32100 *(14560)*	37785 *(17139)*
PTO PERFORMANCE			
Max Pwr @ Rated Eng RPM .... HP	238.92@2000	291.80@2000	337.93@2000
" " " " " " ... *(kW)*	*(178.16)*@2000	*(217.60)*@2000	*(252.00)*@2000
PTO RPM	1001	1001	1001
Fuel: Gal/hr *(l/h)*	13.61 *(51.51)*	16.09 *(60.92)*	19.07 *(72.17)*
Hp. hr/gal *(kW.h/l)*	17.56 *(3.46)*	18.13 *(3.57)*	17.73 *(3.49)*
Max Pwr @ Std PTO RPM ..... HP	Same	Same	Same
" " " " " " .... *(kW)*	as	as	as
Eng RPM	shown	shown	shown
Fuel: Gal/hr *(l/h)*	above	above	above
Hp. hr/gal *(kW.h/l)*			
Maximum Torque rise % @ Engine RPM	52@1101	38@1351	49@1198
DRAWBAR PERFORMANCE			
Max HP (Short Term) ... @mph	246.51@3.82	291.10@4.37	352.12@6.37
" *kW* " " ... *(km/h)*	*(183.82@6.14)*	*(217.07@7.04)*	*(262.58@10.24)*
100% Load ... HP@mph	211.57@4.26	260.87@4.90	313.95@4.93
" " ... *(kW@km/h)*	*(157.76@6.85)*	*(194.53@7.88)*	*(234.12@7.93)*
Fuel: ... HP hr/gal *(kW.h/l)*	15.43 *(3.04)*	16.01 *(3.15)*	16.41 *(3.23)*
75% Load ... HP@mph	163.32@4.36	202.67@5.04	242.79@5.10
" " ... *(kW@km/h)*	*(121.79@7.02)*	*(151.13@8.11)*	*(181.05@8.21)*
Fuel: ... HP hr/gal *(kW.h/l)*	14.24 *(2.80)*	15.08 *(2.97)*	14.86 *(2.93)*
50% Load ... HP@mph	111.01@4.44	137.19@5.11	165.03@5.20
" " ... *(kW@km/h)*	*(82.78@7.15)*	*(102.30@8.23)*	*(123.06@8.37)*
Fuel: ... HP hr/gal *(kW.h/l)*	12.39 *(2.44)*	12.93 *(2.55)*	12.94 *(2.55)*
50% Load ... HP@mph	110.94@4.45	137.46@5.13	165.54@5.22
" " ... *(kW@km/h)*	*(82.73@7.16)*	*(102.50@8.25)*	*(123.44@8.39)*
Reduced Eng RPM	1502	1568	1574
Fuel: ... HP hr/gal *(kW.h/l)*	14.28 *(2.81)*	15.03 *(2.96)*	17.08 *(3.36)*
Max Pull: ... lbs@mph	32944@2.33	32797@2.78	33658@1.95
" " ... *(kN@km/h)*	*(146.54@3.75)*	*(145.89@4.48)*	*(149.72@3.14)*
MAXIMUM SOUND LEVEL	w/cab	w/cab	w/cab
At Operator's Ear ... dB(A)	72.4	72.3	77.0
Bystander ... dB(A)	87.6	87.1	88.4
THREE POINT LIFT			
Force available @ 24" *(610 mm)* ... lbs *(kN)*	15678 *(69.7)*	15678 *(69.7)*	19620 *(87.3)*
HYDRAULIC FLOW			
Gal/min *(l/min)*	40.9 *(154.8)*	40.9 *(154.8)*	40.9 *(154.8)*

TRACTOR MODEL	TJ 450 Dsl (Tested as Case IH STX 440 Dsl) (Unballasted)	TJ 450 Dsl (Tested as Case IH STX 440 Dsl) (Ballasted)
Transmission	16 speed	16 speed
NEBR SUM NO (Yr tested)	336 (2000)	336 (2000)
ENGINE	Turbo-Intr	Turbo-Intr
Bore and Stroke ... in.	5.394 x6.654	5.394 x6.654
" " " ... *(mm)*	*(137.0 x169.0)*	*(137.0 x169.0)*
No. of Cylinders	6	6
Displacement ... cu in *(ml)*	912 *(14945)*	912 *(14945)*
Rated RPM	2000	2000
Compression Ratio	16.5 to 1	16.5 to 1
CHASSIS		
Type	4 Whl Dr	4 Whl Dr
Tires: No., Size, Ply ... front	4; 20.8R42; **	4; 20.8R42; **
rear	4; 20.8R42; **	4; 20.8R42; **
Weight as tested ... lbs *(kg)*	39500 *(17917)*	44560 *(20212)*
PTO PERFORMANCE		
Max Pwr @ Rated Eng RPM .... HP	400.64@2000	400.64@2000
" " " " " " ... *(kW)*	*(298.76)*@2000	*(298.76)*@2000
PTO RPM	1001	1001
Fuel: Gal/hr *(l/h)*	22.12 *(83.73)*	22.12 *(83.73)*
Hp. hr/gal *(kWh/l)*	18.11 *(3.57)*	18.11 *(3.57)*
Max Pwr @ Std PTO RPM ... HP	Same	Same
" " " " " " .... *(kW)*	as	as
Eng RPM	shown	shown
Fuel: Gal/hr *(l/h)*	above	above
Hp. hr/gal *(kWh/l)*		
Maximum Torque rise % @ Engine RPM	51@1100	51@1100
DRAWBAR PERFORMANCE		
Max HP (Short Term) ... @mph	416.01@8.16	414.84@8.20
" *kW* " " ... *(km/h)*	*(310.22@13.14)*	*(309.34@13.19)*
100% Load ... HP@mph	371.35@4.26	*414.84@8.20
" " ... *(kW@km/h)*	*(276.92@6.86)*	*(309.34@13.19)*
Fuel: ... HP hr/gal *(kWh/l)*	17.03 *(3.36)*	*18.08 *(3.56)*
75% Load ... HP@mph	288.92@4.43	*1700 engine
" " ... *(kW@km/h)*	*(215.45@7.13)*	rpm
Fuel: ... HP hr/gal *(kWh/l)*	15.58 *(3.07)*	.....
50% Load ... HP@mph	197.96@4.55	.....
" " ... *(kW@km/h)*	*(147.62@7.33)*	.....
Fuel: ... HP hr/gal *(kWh/l)*	13.73 *(2.70)*	.....
50% Load ... HP@mph	198.22@4.57	.....
" " ... *(kW@km/h)*	*(147.81@7.36)*	.....
Reduced Eng RPM	1516	.....
Fuel: ... HP hr/gal*(kWh/l)*	17.67 *(3.48)*	.....
Max Pull: ... lbs@mph	40035@2.87	44525@2.92
" " ... *(kN@km/h)*	*(178.08@4.63)*	*(198.06@4.70)*
MAXIMUM SOUND LEVEL	w/cab	w/cab
At Operator's Ear ... dB(A)	78.2	.....
Bystander ... dB(A)	89.4	.....
THREE POINT LIFT		
Force available @ 24" *(610 mm)* ... lbs *(kN)*	19620 *(87.3)*	19620 *(87.3)*
HYDRAULIC FLOW		
Gal/min *(l/min)*	41.0 *(155.2)*	41.0 *(155.2)*

ZETOR

TRACTOR MODEL	10741 Dsl (Tested as 10641 Dsl)
Transmission	24 speed Pwrshift
NEBR SUM NO (Yr tested)	445 (1998)
ENGINE	Turbo-Intr
Bore and Stroke ... in.	4.134x4.724
" " " ... *(mm)*	*(105.0x120.0)*
No. of Cylinders	4
Displacement ... cu in *(ml)*	254 *(4156)*
Rated RPM	2200
Compression Ratio	17.0 to 1
CHASSIS	Front
Type	Whl Assist
Tires: No., Size, Ply ... front	2; 14.9R24; **
rear	2; 18.4R38; **
Weight as tested ... lbs *(kg)*	9095 *(4125)*
PTO PERFORMANCE	
Max Pwr @ Rated Eng RPM ... HP	90.3@2200
" " " " " ... *(kW)*	*(67.3)@2200*
PTO RPM	1128
Fuel: Gal/hr *(l/h)*	5.95 *(22.54)*
Hp. hr/gal *(kW.h/l)*	15.16 *(2.99)*
Max Pwr @ Std PTO RPM ... HP	91.0@1000
" " " " " " ... *(kW)*	*(67.8)@1000*
Eng RPM	1950
Fuel: Gal/hr *(l/h)*	5.55 *(21.01)*
Hp. hr/gal *(kW.h/l)*	16.40 *(3.23)*
Maximum Torque rise % @ Engine RPM	32@1500
DRAWBAR PERFORMANCE	
Max HP (Short Term) ... @mph	74.3@5.96
" *kW* " " ... *(km/h)*	*(55.4@9.59)*
100% Load ... HP@mph	72.7@6.28
" " ... *(kW@km/h)*	*(54.2@10.11)*
Fuel: ... HP hr/gal *(kW.h/l)*	13.20 *(2.60)*
75% Load ... HP@mph	56.5@6.49
" " ... *(kW@km/h)*	*(42.1@10.45)*
Fuel: ... HP hr/gal *(kW.h/l)*	11.95 *(2.36)*
50% Load ... HP@mph	38.9@6.69
" " ... *(kW@km/h)*	*(29.0@10.76)*
Fuel: ... HP hr/gal *(kW.h/l)*	9.95 *(1.96)*
50% Load ... HP@mph	38.8@6.67
" " ... *(kW@km/h)*	*(28.9@10.74)*
Reduced Eng RPM	2113
Fuel: ... HP hr/gal*(kW.h/l)*	10.81 *(2.13)*
Max Pull: ... lbs@mph	7890@3.14
" " ... *(kN@km/h)*	*(35.1@5.06)*
MAXIMUM SOUND LEVEL	w/cab
At Operator's Ear ... dB(A)	81.5
Bystander ... dB(A)	87.0
THREE POINT LIFT	
Force available @ 24" *(610 mm)* ... lbs *(kN)*	8835*(39.3)*
HYDRAULIC FLOW	
Gal/min *(l/min)*	17.4*(66.0)*

SOME SI CONVERSION FACTORS

Multiply SI Unit	**By**	**To obtain American Unit**
kilowatt *(kw)*	1.341	HP (550 lb-ft/sec)
kilogram *(kg)*	2.2046	lb. (mass)
litres *(l.)* or cubic decimeters *(dm^3)*	0.2642	gallon
kilogram per kilowatt hour *(kg/kw.h)*	1.6440	lb/HP-hr
kilowatt hour per litre *(kw-h/l)*	5.0764	HP-hr/gal.
newtons *(N)*	0.22481	lb. (force)
kilonewtons *(kN)*	224.810	lb. (force)
kilometers per hour *(km/h)*	0.62139	miles per hour (mph)
metre per second *(m/s)*	196.85	feet per minute (f.p.m.)
millimetres *(mm)*	0.03937	inch
metre *(m)*	39.370	inch
millilitres *(ml)* or cubic centimeters *(cm^3 or cc)*	0.06102	cubic inch
kilopascals *(kPa)*	0.14504	lbs. per square inch *(p.s.i.)*

To convert °C to °F — multiply by 1.8 and add 32.

AGRICULTURAL ENGINEERING

at the

University of Nebraska

The Biological Systems Engineering Department conducts active programs in teaching, extension and research through the College of Agricultural Sciences and Natural Resources and the College of Engineering and Technology. These programs are advancing the science and art of engineering and management in the various phases of agriculture and other biological systems. These phases include: mechanized crop production, farmstead facilities, product processing and distribution, irrigation and natural resource engineering.

Two B.S. degree programs in the department prepare young adults for rewarding careers in the world's largest industry—agriculture.

Agricultural Engineering—The application of the science of engineering to agriculture and related industries to design, analyze, manufacture or manage machines, structures, and systems for plant and animal production.

Mechanized Systems Management—The application of biological, physical, mechanical and business knowledge to manage mechanized systems in agriculture, product processing and related industries.

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Department of Biological Systems Engineering
223 L. W. Chase Hall
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The Institute of Agriculture and Natural Resources provides information and educational programs to all people without regard to race, color, national origin, sex or handicap.