

MODEL	MT835C	MT845C	MT855C	MT865C	MT875C
Nebraska Test Number	Test 1860 - Summary 487	Test 1861 - Summary 488	Test 1862 - Summary 489	Test 1847 - Summary 479	Test 1879 - summary 536
Engine					
Manufacturer	Caterpillar C15 ACERT Tier III	Caterpillar C15 ACERT Tier III	Caterpillar C15 ACERT Tier III	Caterpillar C16 ACERT Tier III	Caterpillar C16 ACERT Tier III
Aspiration	Turbocharged / Air-to-Air Aftercooled	Turbocharged / Air-to-Air Aftercooled	Turbocharged / Air-to-Air Aftercooled	Turbocharged / Air-to-Air Aftercooled	Turbocharged / Air-to-Air Aftercooled
Cylinders/Displacement, cu. in. (liters)	6 cyl/ 923 (15.2 L)	6 cyl/ 923 (15.2 L)	6 cyl/ 923 (15.2 L)	6 cyl/ 1106 (18.1 L)	6 cyl/ 1106 (18.1 L)
Performance					
Rated Engine Power HP (kW)	410 (306)	440 (328)	475 (354)	525 (391)	585 (436)
PTO HP (kW) @ Rated 2100 RPM	335 (249)	360 (268)	385 (287)	425 (316)	425 (316)
Engine Power Growth @ 1800 RPM (%)	0.08	0.08	0.08	0.08	0.08
Peak Engine Power	442 (329)	475 (3454)	513 (382)	567 (422)	631 (470)
Engine Torque Rise % (PTO) @ Eng RPM	42%@1400	42%@1400	42%@1400	42%@1400	42%@1400
Fuel Use, U.S. Gal./hr & HP hr./Gal. : (Power Take-Off Performance)					
Rated Eng RPM	20.14 gal/hr / 15.55 HP hr/gal at 2100 RPM	23.26 gal/hr / 15.46 HP hr/gal at 2100 RPM	24.53 gal/hr / 16.81 HP hr/gal at 2100 RPM	25.98 gal/hr / 17.54 HP hr/gal at 2099 RPM	N/A
Standard PTO Speed @ Eng Speed	21.05 gal/hr / 16.19 HP hr/gal at 1979 RPM	23.76 gal/hr / 16.29 HP hr/gal at 1979 RPM	25.62 gal/hr / 17.34 HP hr/gal at 1980 RPM	27.56 gal/hr / 18.22 HP hr/gal at 1980 RPM	N/A
Maximum Power @ Eng RPM	21.93 gal/hr / 16.55 HP hr/gal at 1851 RPM	23.46 gal/hr / 17.15 HP hr/gal at 1800 RPM	25.33 gal/hr / 18.36 HP hr/gal at 1699 RPM	28.68 gal/hr / 18.96 HP hr/gal at 1750 RPM	N/A
Fuel Use, U.S. Gal./hr & HP hr./Gal. (Drawbar Performance)					
Max Unballasted Drawbar Power @ Eng RPM	13.60 HP hr/gal at 2101 RPM	13.30 HP hr/gal at 2105 RPM	14.98 HP hr/gal at 2098 RPM	15.09 HP hr/gal at 2107 RPM	15.27 HP hr/gal at 2100 RPM
75% Load, Full Engine RPM (Unballasted)	12.22 Hp hr/gal at 2197 RPM	12.26 Hp hr/gal at 2199 RPM	12.92 HP hr/gal at 2197 RPM	13.82 HP hr/gal at 2199 RPM	12.39 HP hr/gal at 2196 RPM
75% Load @ Reduced RPM (Unballasted)	14.63 Hp hr/gal at 1546 RPM	15.36 HP hr/gal at 1533 RPM	15.16 HP hr/gal at 1550 RPM	15.21 HP hr/gal at 1534 RPM	15.41 PH hr/gal at 1532 RPM
Fuel Tank Cap., US Gal. (L)	305 (1155)	305 (1155)	305 (1155)	330 (1249)	330 (1249)
Transmission					
Std. Transmission; Type; # Gears; Forward/Reverse	Caterpillar Powershift 16F / 4R	Caterpillar Powershift 16F / 4R	Caterpillar Powershift 16F / 4R	Caterpillar Powershift 16F / 4R	Caterpillar Powershift 16F / 4R
Opt. Transmission; Forward/Reverse	N/A	N/A	N/A	N/A	N/A
On-the-Go Shifting (Yes/No/Partial)	Yes. Electronic control. Power management control. Max Power Output/Constant Ground Speed	Yes. Electronic control. Power management control. Max Power Output/Constant Ground Speed	Yes. Electronic control. Power management control. Max Power Output/Constant Ground Speed	Yes. Electronic control. Power management control. Max Power Output/Constant Ground Speed	Yes. Electronic control. Power management control. Max Power Output/Constant Ground Speed
Clutch; Wet/Dry	Wet	Wet	Wet	Wet	Wet
Power Take-Off (PTO)					
Standard/Optional/Type	Optional: 1000 RPM, 20 Spline, 1.75" (45 mm); Electronically Controlled	Optional: 1000 RPM, 20 Spline, 1.75" (45 mm); Electronically Controlled	Optional: 1000 RPM, 20 Spline, 1.75" (45 mm); Electronically Controlled	Optional: 1000 RPM, 20 Spline, 1.75" (45 mm); Electronically Controlled	Optional: 1000 RPM, 20 Spline, 1.75" (45 mm); Electronically Controlled
Hydraulics					
Type	Load Independent Flow Division (Closed-Center, Pressure-Flow Compensated)	Load Independent Flow Division (Closed-Center, Pressure-Flow Compensated)	Load Independent Flow Division (Closed-Center, Pressure-Flow Compensated)	Load Independent Flow Division (Closed-Center, Pressure-Flow Compensated)	Load Independent Flow Division (Closed-Center, Pressure-Flow Compensated)
Standard Pump Rated Output, GPM (L/min.)	43.5 (164.7)	43.5 (164.7)	43.5 (164.7)	43.5 (164.7)	43.5 (164.7)
Optional Pump Rated Output, GPM (L/min)	59 (224.2)	59 (224.2)	59 (224.2)	59 (224.2)	59 (224.2)
Rated Flow @ One Remote, GPM (L/min.)	36 (136.3)	36 (136.3)	36 (136.3)	36 (136.3)	36 (136.3)
Maximum Operating Pressure, PSI (kPa)	2900 (200)	2900 (200)	2900 (200)	2900 (200)	2900 (200)
Remote Control Valves Available	4 Standard / up to 6 Optional	4 Standard / up to 6 Optional	4 Standard / up to 6 Optional	4 Standard / up to 6 Optional	4 Standard / up to 6 Optional
Axles and Final Drive					
Final Drive/Bar Diameter	N/A	N/A	N/A	N/A	N/A
Differential Lock Options	N/A	N/A	N/A	N/A	N/A
Axle Type	N/A	N/A	N/A	N/A	N/A
Brakes, Type and Control	N/A	N/A	N/A	N/A	N/A
Drawbar/3-Point Hitch					
Type	Roller Type +/- 32" Swing; optional Hydraulic Position Control / Dampening	Roller Type +/- 32" Swing; optional Hydraulic Position Control / Dampening	Roller Type +/- 32" Swing; optional Hydraulic Position Control / Dampening	Roller Type +/- 32" Swing; optional Hydraulic Position Control / Dampening	Roller Type +/- 32" Swing; optional Hydraulic Position Control / Dampening
Load Rating lbs. (kg)	10,000 (4536)	10,000 (4536)	10,000 (4536)	10,000 (4536)	10,000 (4536)
3-Point Hitch Type/Lift Capacity	Category 3/4N or 4; 19,500 lb (8845 kg)	Category 3/4N or 4; 19,500 (8845)	Category 3/4N or 4; 19,500 (8845)	Category 3/4N or 4; 19,500 (8845)	N/A
Operator Comfort					
dB(A) Rating	76.5	74	76.5	76.7	76.1
Seat Suspension System	Air	Air	Air	Air	Air
Dimensions					
Wheelbase, in. (mm)	118 (2997)	118 (2997)	118 (2997)	118 (2997)	118 (2997)
Wheel Tread, Min. to Max. in. (mm)	N/A	N/A	N/A	N/A	N/A
Turning Radius w/o Brakes, ft. (m)	N/A	N/A	N/A	N/A	N/A
Unballasted Weight, lb. (kg)	41,000 (18,597)	41,000 (18,597)	41,000 (18,597)	42200 (19,142)	42200 (19,142)
Maximum Operating Weight Ballast lbs. (kg)	50,000 (22,680)	50,000 (22,680)	50,000 (22,680)	50,000 (22,680)	50,000 (22,680)
Tires/Tracks					
Standard Tires	N/A	N/A	N/A	N/A	N/A
Standard Track Size In. (mm)	General Ag Belts: 30, 36 (762, 914)	General Ag Belts: 30, 36 (762, 914)	General Ag Belts: 30, 36 (762, 914)	General Ag Belts: 30, 36 (762, 914)	General Ag Belts: 30, 36 (762, 914)
Track Size Option In. (mm)	Extreme Application Belts: 18, 30, 36 (457, 762, 914)	Extreme Application Belts: 18, 30, 36 (457, 762, 914)	Extreme Application Belts: 18, 30, 36 (457, 762, 914)	Extreme Application Belts: 18, 30, 36 (457, 762, 914)	Extreme Application Belts: 18, 30, 36 (457, 762, 914)
Track Gauge in. (mm)	Infinitely adjustable bar axle with smooth hardbar. 90 - 128 (2286 - 3251)	Infinitely adjustable bar axle with smooth hardbar. 90 - 128 (2286 - 3251)	Infinitely adjustable bar axle with smooth hardbar. 90 - 128 (2286 - 3251)	Infinitely adjustable bar axle with smooth hardbar. 90 - 128 (2286 - 3251)	Infinitely adjustable bar axle with smooth hardbar. 90 - 128 (2286 - 3251)
Track Undercarriage Type	Mobil-Trac: Two Marsh Mellow Springs; Suspended midwheels; Stabilizer bar with 8" range of motion	Mobil-Trac: Two Marsh Mellow Springs; Suspended midwheels; Stabilizer bar with 8" range of motion	Mobil-Trac: Two Marsh Mellow Springs; Suspended midwheels; Stabilizer bar with 8" range of motion	Mobil-Trac: Two Marsh Mellow Springs; Suspended midwheels; Stabilizer bar with 8" range of motion	Mobil-Trac: Two Marsh Mellow Springs; Suspended midwheels; Stabilizer bar with 8" range of motion