

# Trackless MT7 Specifications

ENGINE		STD	OPT	BRAKING		STD	OPT
John Deere Model 4045 TFC 03				Hydrostatic dynamic braking programmed for smooth deceleration		✓	
Emission Rating Tier 4 Final, EU Stage IV				Hydraulic service brakes on all 4 wheels		✓	
Displacement 4.5 LT				Service brake application also activates more aggressive hydrostatic braking		✓	
HP Power Rating 74 HP, 55 KW		✓		Mechanical parking brake with warning message displayed on digital dash		✓	
Torque 224 lb-ft, 304 NM @ 1600 rpm							
Bore x stroke 4.2 x 5.0 inch							
Turbocharged							
Reversing fan		✓					
Equipped with cold start aid and 1000 watt engine block heater		✓					
Icons and warning messages displayed on digital dash		✓					
<b>POWERTRAIN</b>				<b>ELECTRICAL</b>			
Sauer Danfoss hydrostatic/electronic transmission and motor		✓		1000 CCA group 31 battery		✓	
Control by electronic foot pedal programmed to control hydrostatic independently or both engine rpm and hydrostatic simultaneously		✓		200 amp alternator		✓	
Trackless mechanical transmission with high/low range and neutral		✓		Main circuit breaker protection and mini blade fuses		✓	
High range lockout to prevent operation of attachments in high range			✓	Battery disconnect switch		✓	
10:1 deep reduction planetary transmission. When coupled to mechanical transmission, 4 speed ranges instead of 2			✓	Switch, wiring and plumbing for spray systems		✓	
Deep low is 0 to 3m (10ft) / min				CAN wire to front plug to control engine rpm from external source such as generator/infrared		✓	
Dana style model 60 full float axles with new heavy duty alloy spindles and limited slip differentials. 7,000 lb capacity each		✓		7 prong trailer plug		✓	
Electric locking front differential			✓	Tow behind sander kit			✓
Locker will not engage when in high range				WiFi connected diagnostic			✓
<b>SPEEDS</b>				<b>STEERING</b>			
Low range 0 to 12 km/h (0 to 8 mph)		✓		Articulated steering 35 degrees each way		✓	
High range 0 to 30 km/h (0 to 19 mph)				Orbitrol hydraulic motor, hydraulic steering cylinder, tilt steering column		✓	
Deep low range 0 to 3m (10ft) / min			✓	Inside turning radius approximately 8-feet		✓	
<b>P.T.O</b>				High strength spherical bearings for pivot pins and steering pins		✓	
Front PTO 1-3/8" 6 spline, 540 rpm		✓		Bearings and pins greaseable		✓	
Rear PTO 1-3/8" 6 spline, 540 rpm			✓	<b>TIRES &amp; WHEELS</b>			
Twin disc over center clutch with electric over hydraulic actuation		✓		LT 245/75R x 16 - 10 ply radial winter tire on HD 16" 8-bolt rims		✓	
Reduction box 4:1		✓		31 x 15.50 x 15 - 8 ply turf tires on HD 15" 8-bolt rims			✓
<b>HYDRAULICS</b>				Dual 10 ply loader lug tires (8) mounted on 8 rims			✓
20 gpm hydraulic gear pump driven by timing gears of engine		✓		Calcium fill			✓
14 gpm hydraulic gear pump, only driven with PTO clutch engaged		✓		Calcium fill in tubes			✓
Joystick control with 8 backlit membrane switches, 4 float position switches also have additional LED indicator lights. Switches colour coded to circuits. Includes FNR (forward/neutral/reverse) switch		✓		<b>LIGHTS</b>			
6 (3 pair) low volume front hydraulic couplers for attachment control		✓		4 - Halogen headlights (High/Low beam)			
2 (1 pair) high volume hydraulic couplers to power attachments requiring approximately 16 gpm		✓		1 - Halogen backup light		✓	
2 (1 pair) hydraulic couplers at rear of tractor		✓		2 - Rubber mounted shockproof LED tail lights			
Variable flow to rear hydraulics by way of rotary dial switch in cab		✓		1 - Interior dome light			
Cartridge type hydraulic filter mounted at highest point in system to allow dry changes		✓		Front and rear LED signal lights and 4 way flashers		✓	
Thermostatically controlled bypass from oil cooler for winter start-up		✓		8 LED flashing lights above roof, mounted in HVAC guard		✓	
Steel hydrostatic lines		✓		2 on each side for 360 degree visibility, all amber or 4 blue, 4 amber			
Low hydraulic oil warning		✓		Second rear backup light			✓
Inching switch outside cab to control lift cylinders for safe pinning of attachments		✓		Additional high mount rear tail lights			✓
<b>HITCHES</b>				Headlight, signal (marker) light guards			✓
Front - Trackless quick hitch with dual lift cylinders		✓		<b>FINISH</b>			
Rear - Category 1, 3-point hitch with anti-sway bar			✓	All steel components prepped in 5 stage phosphate wash, 2 part epoxy primer with rust inhibitor, 2 part polyurethane automotive top coat		✓	
				Latches, linkages, levers, battery hold down straps and bolts, support rods, striker plate, shifter gate and various small brackets zinc plated		✓	
				Colour highway yellow with black trim, grey/black interior		✓	
				Custom colours to customer specification			✓

# Trackless MT7 Specifications

CAB FEATURES	STD	OPT
Certified ROPS cab structure, steel roof with rain gutters	✓	
Digital dash: tachometer, speedometer, hour meter, fuel level, engine coolant temp., hydraulic oil temp., engine oil pressure, voltmeter	✓	
7-speed heater defroster	✓	
HVAC system with auxiliary heat and pressurization	✓	
2 outside and 1 inside rear view mirror	✓	
3 point retractable seat belt	✓	
AM/FM/Bluetooth stereo, dual speakers, external aerial with amplifier	✓	
Cup holder, cell phone holder, door pocket, storage tray	✓	
12 volt power point auxiliary outlet for cell phone 12 volt 2-way radio jacks	✓	
Fire extinguisher		✓
First aid kit		✓
Gas strut door cylinder and safety strap	✓	
Tilt steering column with horn, signal lever, hazard button	✓	
DOT approved tinted tempered safety glass	✓	
Left and right side slider windows	✓	
3-speed pantograph wiper and windshield washer	✓	
Intermittent front wiper, rear wiper and washer	✓	
Conaflex sound deadening, sound barrier floor matting	✓	
High back, fabric covered air ride seat	✓	
Left and right arm rest	✓	
Full colour digital dash including backup camera when in reverse	✓	
Slopemeter		✓
EXTERIOR FEATURES		
Steel panels, aluminum top hood, 2 hinged access doors, hinged rear grill	✓	
Top, rear and side panels removable without tools	✓	
Heavy duty 10 gauge steel fenders	✓	
SMV - slow moving vehicle sign	✓	
Pintle hitch		✓
2-5/16" ball hitch		✓
Rear license plate bracket and light		✓
SAFETY FEATURES		
Neutral safety start switch	✓	
Automatic hydraulic power shut off, if rotary mower wings raised	✓	
Automatic PTO shut down if operator leaves seat	✓	
Automatic engine shut down if operator leaves seat with shifter not in neutral position	✓	
Automatic hydraulic power shut off, if operator leaves the seat	✓	
Application of service brake foot pedal activates more aggressive hydrostatic braking in conjunction with the 4 wheel service brakes	✓	
Wire finger guard protection from engine fan blades	✓	
Reflective striping on both sides and rear of tractor	✓	
Pinch point, danger, caution decals	✓	
Backup alarm/Backup camera	✓	
White sound reversing alarm		✓

CAPACITIES		US	METRIC
Fuel	Ultra low sulfur diesel <b>ONLY</b>	24.3 gal	94.0 L
Engine oil	John Deere Plus-50 II or equivalent	2.25 gal	8.5 L
Coolant	Must meet ASTM4985 (GM6038M)	5.68 gal	21.5 L
Hydraulic oil	Hydrex MV46 or equivalent	19.8 gal	75.0 L
Differentials	80W90 EP or equivalent	2.4 qt	2.3 L
Reduction gearbox	80W90 EP or equivalent	1.1 qt	1.0 L
Mechanical transmission	80W90 EP or equivalent	3.2 qt	3.0 L
WEIGHTS AND DIMENSIONS		US	METRIC
Overall length including rear bumper		149.5 in	3797 mm
Height to top of HVAC system		88.0 in	2235 mm
Track width with radial tires		49.5 in	1257 mm
Overall width including fenders		50.5 in	1283 mm
Weight with oils, coolant and full tank of fuel		6900 lbs	3130 kg
ATTACHMENTS		REQUIRED	
14' rotary mower		Turf Tires	
10' rotary mower		Turf Tires	
6' rotary mower		Turf Tires	
14' Progressive rotary mower		Turf Tires	
Front mounted aerator		Turf Tires	
Stump grinder		Turf Tires	
74" front mounted flail mower		Turf Tires	
51" heavy duty boom flail		Dual Tires	
Asphalt cold planer - <b>Suggested Only</b>		Deep Reduction	
Concrete cold planer		Deep Reduction	
Leaf loader		Duals on Rear	
45 kW generator and security fencing			
Electric infrared asphalt heater			
Front mounted loader 49" or 77" bucket			
Line and stencil painter			
3, 4, 5, 6, 7 or 8' wide hydraulic driven angle sweeper			
48" pickup sweeper			
50, 60, or 72" v-plow			
5-position folding v-plow			
5, 6, 7 or 8' wide angle snow plow			
5' double trip snow plow			
51, 60, 70 or 80" twin auger snowblower			
51, 60 or 75" ribbon snowblower			
Rear salt and sand spreader with single agitator			
Rear salt and sand spreader with triple agitator			
Rear tow behind sander		Tow Kit	
80 gallon (300 liters) water tank and pump system			
80 gallon (300 liters) brine spray system			
80 gallon (300 liters) 14' rear-mount spray boom			