

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

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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 HVAC Fans	✓	
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 and 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 shuts off if operator leaves the seat	✓	
Application of service brake foot pedal activates more aggressive hydrostatic braking in conjunction with the service brake	✓	
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 ONLY	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
OTHER OPTIONS			
High range lockout to prevent operation of attachments in high range			
Ride Control			
Automatic Grease System			
Sun Visor			
Locking Hoods			
LED Headlights			
Light Guards			
ATTACHMENTS		REQUIRED	
6' rotary mower		Turf Tires	
10', 14' rotary mower		Turf Tires	
14' Progressive rotary mower		Turf Tires	
Front mounted aerator		Turf Tires	
74" front mounted flail mower		Turf Tires	
51" heavy duty boom flail		Dual Tires	
Sickle bar mower		Turf Tires	
Stump grinder		Turf Tires	
Debris Blower			
Leaf loader		Dual Tires on Rear	
Asphalt cold planer - Deep Reduction Suggested Only		Deep Reduction	
Concrete cold planer		Deep Reduction	
Electric infrared asphalt heater			
45 kW generator and security fencing			
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			
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			