



## Build Sheet Trackless MT7 Tractor

### ENGINE

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John Deere	Model 4045 TFC 03
Emission Rating	Tier 4 Final, EU Stage 5
Displacement	4.5L (274.5 cubic inch)
HP Power Rating	74 HP, (55 kW)
Torque	224 lb-ft, (304 N·m) @
Bore x Stroke	1600 rpm
Turbocharged	4.2 x 5.0"

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Reversing fan

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Equipped with cold start aid, block heater

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Icons and warning messages displayed on digital dash

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### POWERTRAIN

Sauer Danfoss hydrostatic/electronic transmission and motor

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Control by electronic foot pedal programmed to control hydrostatic independently or both engine rpm and hydrostatic simultaneously

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Trackless mechanical transmission with high/low range and neutral

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Cruise control in low range

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Dana style model 60 full float axles with new heavy duty alloy spindles and limited slip differentials. 7,000 lb capacity each.

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### SPEEDS

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Low range	0 to 12 km (8 mph)
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High range	0 to 30 km (19 mph)
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## **P.T.O.**

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Front PTO

13/8" 6 spline, 540 RPM

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Twin disc over center clutch with electric over hydraulic actuation

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Reduction box 4:1

## **HYDRAULIC SYSTEMS**

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20 gpm hydraulic gear pump driven by timing gears of engine

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14 gpm hydraulic gear pump, only driven when PTO clutch engaged

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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

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6 (3 pair) low volume front hydraulic couplers for attachment control

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4 (2 pair) high volume hydraulic couplers to power attachments requiring approximately 16 gpm

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2 (1 pair) high volume hydraulic couplers to power attachments running off second auxiliary hydraulic pump

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2 (1 pair) hydraulic couplers at rear of tractor

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Variable flow to rear hydraulics by way of rotary dial switch in cab

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Cartridge type Hydraulic filter mounted at highest point in system to allow dry changes

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Thermostatically controlled bypass from oil cooler for winter start up

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Steel hydrostatic lines

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Low hydraulic oil warning

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Inching switch outside cab to control lift cylinders for safe pinning of attachments

## **BRAKING**

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Hydrostatic dynamic braking programmed for smooth deceleration

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Service brakes

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Service brake application also activates more aggressive hydrostatic braking

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Mechanical parking brake with warning message displayed on digital dash

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## **STEERING**

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Articulated steering 35° each way

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Hydraulic orbitrol motor, hydraulic steering cylinder, tilt steering column

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Inside turning radius of approximately 8-feet

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Tilt steering column includes hazard button, signal lever, center mounted horn

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High strength spherical bearings for pivot pins and steering pins

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Bearings and pins greaseable

## **HITCHES**

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Front

Trackless quick hitch with  
dual lift cylinders

## **ELECTRICAL**

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1000 CCA group 31 battery

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200-amp alternator

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Main circuit breaker protection and mini blade fuses

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Battery disconnect switch

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Switch, wiring and plumbing for spray systems

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CAN wire to front plug to control engine RPM from external source  
such as generator/infrared

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7 prong trailer plugs

## **EXTERIOR FEATURES**

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All steel panels and top hood, 2 hinged access doors, hinged rear grill

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Gas shock lift assist for top hood

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Top, rear, and side panels removable without tools

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Heavy duty 10-gauge steel fenders

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4 – heavy duty tie down D rings

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SMV – slow moving vehicle sign

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## LIGHTS

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4 – LED headlights

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1 – LED backup light

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2 – Rubber mounted shockproof LED taillights

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1 – Interior dome light

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Front and rear LED signal lights and 4-way flashers

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8 LED flashing lights above roof, mounted in HVAC guard std 2 on each side for 360-degree visibility, all amber or 4 blue, 4 amber

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High/low beam headlights

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## TIRES & WHEELS

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LT		on HD
245/75R	10-ply radial winter tire	16" 8-
x 16		bolt
		rims

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## FINISH

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All steel components prepped in 5 stage phosphate wash, 2-part epoxy primer with rust inhibitor, 2-part polyurethane automotive top coat

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Latches, linkages, levers, battery hold down straps and bolts, support rods, striker plate, shifter gate and various small brackets zinc plated

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## INTERIOR FEATURES

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Steel roof with rain gutters

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Digital dash: tachometer, speedometer, hour meter, fuel level, engine coolant temp., hydraulic oil temp., engine oil pressure, voltmeter

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7-speed heater defroster

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HVAC system with auxiliary heat and pressurization

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2 outside and 1 inside rear-view mirror

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3-point retractable seat belt

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AM/FM/Bluetooth stereo, dual speakers, external aerial with amplifier

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Cup holder, cell phone holder, door pocket, storage tray

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12-volt power point auxiliary outlet for cell phone

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12 volt 2-way radio jacks

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Gas strut door cylinder and safety strap

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Tilt steering column with horn, signal lever, hazard button

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DOT approved tinted tempered safety glass

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Left and right-side slider windows

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3-speed pantograph wiper and windshield washer

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Intermittent front wiper

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2-speed rear wiper and washer

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Conaflex sound deadening, sound barrier floor matting

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Operator's Manual

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High back, fabric covered air ride seat with lumbar support

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Left and right arm rest

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Full colour digital dash including backup camera when in reverse

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