

John Deere

3033R

Compact Utility Tractor

## Key Specs

<b>Engine power (gross)</b>	SAE J1995 rated power: 23.7 kW 31.8 hp 32.2 PS at 2600 rpm
<b>Power take-off (PTO) power</b>	PowrReverser™ transmission: 19.5 kW 26.1 hp eHydro™ transmission: 17.2 kW 23 hp Per SAE J1995
<b>Steering hydraulics</b>	23.5 L/min 6.2 gpm
<b>Implement hydraulics</b>	34.3 L/min 9.1 gpm
<b>Hitch type</b>	Category 1
<b>Lift capacity, 24-in. behind link arms</b>	995 kg 2194 lb
<b>Standard transmission; forward/reverse</b>	PowrReverser transmission
<b>Cruise control</b>	PowrReverser transmission: Not applicable eHydro transmission: Standard
<b>Approximate shipping weight (open-station; cab)</b>	Open operator station (OOS): 1353 kg 2983 lb Cab: 1633 kg 3600 lb
<b>Wheelbase</b>	1727 mm 68 in.

## Engine

<b>Manufacturer</b>	Yanmar®
<b>Engine model</b>	3TNV88C-MJTV
<b>Engine power (gross)</b>	SAE J1995 rated power: 23.7 kW 31.8 hp 32.2 PS at 2600 rpm
<b>Power take-off (PTO) power</b>	PowrReverser transmission: 19.5 kW 26.1 hp eHydro transmission: 17.2 kW 23 hp
<b>Rated engine speed</b>	2600 rpm
<b>Type</b>	Diesel
<b>Injection pump type</b>	High pressure common rail direct injection
<b>Aspiration</b>	Natural
<b>Emissions compliance</b>	Final Tier 4
<b>Cylinders/displacement</b>	Three cylinders: 1.64 L 100 cu in.
<b>Number of cylinders</b>	Three
<b>Cylinder liners</b>	Cast-in-block
<b>Bore and stroke</b>	88x90 mm 3.46x3.54 in.
<b>Compression ratio</b>	19.1:1
<b>Lubrication</b>	Pressurized
<b>Cooling system</b>	Liquid
<b>Air cleaner</b>	Dual element

<b>Engine torque at rated speed</b>	87 Nm 64.2 lb-ft
<b>Fuel tank capacity</b>	OOS: 37.4 L 10 U.S. gal. Cab eHydro transmission only: 47.6 L 12.6 U.S. gal.

## Electrical

<b>Battery size</b>	500 CCA
<b>Alternator (12-V)</b>	75 amp
<b>Starter size</b>	1.4 kW 1.9 hp

## Fuel system

<b>Type</b>	High pressure common rail direct injection
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## Transmission

<b>Standard transmission; forward/reverse</b>	PowrReverser transmission; 12F/12R
<b>Optional transmission; forward/reverse</b>	eHydro transmission
<b>Left-hand reverser</b>	PowrReverser transmission only
<b>Transmission gear ranges</b>	PowrReverser transmission: 12F/12R eHydro transmission: three-range, infinitely variable
<b>Final drive</b>	Spur gear
<b>Brakes</b>	Multi-plate wet disk

<b>Steering</b>	Hydrostatic power steering
<b>Clutch, wet/dry</b>	PowrReverser transmission: Wet disk
<b>Axle capacity</b>	Front 1450 kg 3197 lb Rear 1850 kg 4079 lb
<b>Cruise control</b>	PowrReverser transmission: Not applicable eHydro transmission: Standard
<b>Differential lock</b>	Yes

## Hydraulics

<b>Type</b>	Open center
<b>Pump rated output</b>	Steering 23.5 L/min 6.2 gpm Implement 34.28 L/min 9.1 gpm 57.8 L/min 15.3 gpm
<b>Pump type</b>	Single gear
<b>Maximum operating pressure</b>	172 bar 2495 psi
<b>Draft control sensing</b>	Position control
<b>Remote control valves available</b>	Up to six rear remotes
<b>3-point hitch</b>	

<b>Type</b>	Category 1
<b>Lift capacity, 24-in. behind link arms</b>	995 kg 2194 lb

## Power take-off (PTO)

<b>Standard</b>	Independent rear: 540 rpm
<b>Optional</b>	PowrReverser transmission: Mid - not applicable eHydro transmission: Mid - 2100 rpm
<b>Control</b>	Lever and switch
<b>Clutch</b>	Wet disk
<b>Brake (for mid and rear PTO)</b>	Wet disk

## Fluid capacities

<b>Crankcase with filter</b>	4.3 L 4.5 qt
<b>Transmission and hydraulic system</b>	PowrReverser transmission: 24.6 L 6.5 U.S. gal. eHydro transmission: 26.5 L 7 gal. Cab eHydro transmission only: 26.5 L

## Final drive

<b>Type</b>	Spur gear
<b>Operator station</b>	
<b>Rollover protective structure</b>	Type Foldable

<b>Platform - flat/straddle</b>	One-piece semi flat
<b>Gear shift location - console/floor</b>	PowrReverser transmission: Right-hand side eHydro transmission: Not applicable

## Cab

<b>Compliance</b>	Complies with OSHA, SAE, and CSA standards for rollover protection
<b>Visibility</b>	360 degree (angle)
<b>Doors</b>	Two
<b>Noise rating</b>	80 dBA
<b>Seat equipment</b>	Scissor-link

## Dimensions

<b>Wheelbase</b>	1727 mm 68 in.
<b>Front axle clearance</b>	Minimum: 171 mm 6.7 in. Maximum: 299 mm 11.8 in.
<b>Turning radius with brakes</b>	2.7 m 8.8 ft
<b>Turning radius without brakes</b>	2.8 m 9.2
<b>Approximate shipping weight (open-station; cab)</b>	OOS: 1353 kg 2983 lb Cab: 1633 kg 3600 lb
<b>Front</b>	R1 Bar: 7-14 R3 Turf : 27x8.50-15

	R3 Turf Special: 25/10.5LLx15 R4 Industrial: 25x8.5-14 or 27x8.5-15
<b>Rear</b>	R1 Bar: 11.2-24 R3 Turf: 41x14-20 R3 Turf Special: 41x18LL-16.1 R4 Industrial: 15-19.5 or 43x16-20
<b>Front tread range</b>	1117 mm 44 in.
<b>Rear tread spacing</b>	1031 mm 40.6 in.