

John Deere

3046R

Compact Utility Tractor

## Key Specs

### Engine power (gross)

SAE J1995 rated power: 33.3 kW  
44.7 hp  
45.3 PS at 2600 rpm

### Power take-off (PTO) power

25.2 kW  
33.9 hp

### Steering hydraulics

23.5 L/min  
6.2 gpm

### Implement hydraulics

34.3 L/min  
9.1 gpm

### Hitch type

Category 1

### Lift capacity, 24-in. behind link arms

995 kg  
2194 lb

### Standard transmission; forward/reverse

eHydro transmission

### Cruise control

Standard

### Approximate shipping weight (open-station; cab)

Open operator station (OOS): 1391 kg  
3066 lb  
Cab: 1818 kg  
4008 lb

### Wheelbase

1727 mm  
68 in.

## Engine

|                                     |  |
|-------------------------------------|--|
| <b>Manufacturer</b>                 | Yanmar®  |
| <b>Engine model</b>                 | 3TNV86CHT-MJTV   |
| <b>Engine power (gross)</b>         | SAE J1995 rated power: 33.3 kW<br>44.7 hp<br>45.3 PS at 2600 rpm |
| <b>Power take-off (PTO) power</b>   | 25.2 kW<br>33.9 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>                   | Turbocharged and intercooled                                     |
| <b>Emissions compliance</b>         | Final Tier 4   |
| <b>Cylinders/displacement</b>       | Three cylinders: 1.57 L<br>95.7 cu in.                           |
| <b>Number of cylinders</b>          | Three  |
| <b>Cylinder liners</b>              | Cast-in-block  |
| <b>Bore and stroke</b>              | 86 x 90 mm<br>3.4 x 3.54 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> | 112.3 Nm<br>90 lb-ft   |

**Fuel tank capacity**

OOS: 37.4 L  
10 U.S. gal.  
Cab only: 47.6 L  
12.6 U.S. gal.

## Electrical

**Battery size**

500 CCA

**Alternator (12-V)**

75 amp

**Starter size**

1.4 kW  
1.9 hp

## Fuel system

**Type**

High pressure common rail direct injection

## Transmission

**Standard transmission;  
forward/reverse**

eHydro transmission

**Transmission gear ranges**

Three-range, infinitely variable

**Final drive**

Spur gear

**Brakes**

Wet disk

**Steering**

Hydrostatic power steering

**Axle capacity**

Front  
1450 kg  
3197 lb  
Rear  
1850 kg  
4079 lb

|   |   |
|---|---|
| <b>Cruise control</b>                         | Standard  |
| <b>Hydraulics</b>                             |   |
| <b>Type</b>                                   | Open center   |
| <b>Pump rated output</b>                      | Steering<br>23.5 L/min<br>6.2 gpm<br>Implement<br>34.3 L/min<br>9.1 gpm<br>57.8 L/min<br>15.3 gpm |
| <b>Pump type</b>                              | Single gear   |
| <b>Maximum operating pressure</b>             | 172 bar<br>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<br>2194 lb   |

## Power take-off (PTO)

|                 |                           |
|-----------------|---------------------------|
| <b>Standard</b> | Independent rear: 540 rpm |
| <b>Optional</b> | Mid: 2100 rpm             |
| <b>Control</b>  | Lever and switch          |

|  |  |
|--|--|
| <b>Clutch</b>                            | Wet disk   |
| <b>Brake (for mid and rear PTO)</b>      | Wet disk   |
| <b>Fluid capacities</b>                  |  |
| <b>Crankcase with filter</b>             | 5.7 L<br>6 qt  |
| <b>Transmission and hydraulic system</b> | 26.5 L<br>7 U.S. gal.  |
| <b>Final drive</b>                       |  |
| <b>Type</b>                              | Spur gear  |
| <b>Operator station</b>                  |  |
| <b>Rollover protective structure</b>     | Type<br>Foldable   |
| <b>Platform - flat/straddle</b>          | One-piece semi flat  |
| <b>Cab</b>                               |  |
| <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<br>68 in.  |
| <b>Front axle clearance</b>                            | Minimum: 171 mm<br>6.7 in.<br>Maximum: 299 mm<br>11.8 in.  |
| <b>Turning radius with brakes</b>                      | 2.7 m<br>8.8 ft  |
| <b>Turning radius without brakes</b>                   | 2.8 m<br>9.2 ft  |
| <b>Approximate shipping weight (open-station; cab)</b> | OOS: 1391 kg<br>3066 lb<br>Cab: 1818 kg<br>4008 lb   |
| <b>Front</b>   | R1 Bar: 7-14<br>R3 Turf : 27x8.50-15<br>R3 Turf Special: 25/10.5LLx15<br>R4 Industrial: 25x8.5-14 or 27x8.5-15 |
| <b>Rear</b>  | R1 Bar: 11.2-24<br>R3 Turf: 41x14-20<br>R3 Turf Special: 41x18LL-16.1<br>R4 Industrial: 15-19.5 or 43x16-20    |
| <b>Front tread range</b>                               | 1117 mm<br>44 in.  |
| <b>Rear tread spacing</b>                              | 1031 mm<br>40.6 in.  |