

John Deere

1025R

Sub-Compact Tractor

Key Specs

Engine power (gross)

SAE J1995 rated power: 17.8 kW
23.9 hp
24.2 PS at 3200 rpm

Power take-off (PTO) power

12.8 kW
17.2 hp

Steering hydraulics

13.2 L/min
3.5 gpm

Implement hydraulics

13.2 L/min
3.5 gpm

Hitch type

Limited Category 1

Lift capacity, 24-in. behind link arms

344 kg
758 lb

Standard transmission; forward/reverse

Hydrostatic - two range

Cruise control

Standard

Approximate shipping weight (open-station; cab)

Open station: 706 kg
1556 lb
Cab: 906 kg
1996 lb

Wheelbase

1450 mm
57.1 in.

Engine

| | |
|-------------------------------------|--|
| Manufacturer | Yanmar® |
| Engine model | 3TNV80F-NCJT |
| Engine power (gross) | SAE J1995 rated power: 17.8 kW 23.9 hp 24.2 PS at 3200 seconds |
| Power take-off (PTO) power | 12.8 kW 17.2 hp |
| Rated engine speed | 3200 rpm |
| Type | Diesel |
| Injection pump type | Indirect injection |
| Aspiration | Natural |
| Emissions compliance | Final Tier 4 |
| Cylinders/displacement | Three cylinders: 1.267 L 77.3 cu in. |
| Number of cylinders | Three |
| Cylinder liners | Cast-in-block |
| Bore and stroke | 80 x 84 mm 3.15 x 3.31 in. |
| Compression ratio | 23.1:1 |
| Lubrication | Pressurized |
| Cooling system | Water pump |
| Air cleaner | Dual element with mechanical restriction indicator |
| Engine torque at rated speed | 53.1 Nm 39.2 lb-ft |

Fuel tank capacity

24 L
6.3 U.S. gal.

Electrical

Battery size

500 CCA

Alternator (12-V)

40 amp

Starter size

1.2 kW
1.6 hp

Fuel system

Type

Indirect injection

Transmission

**Standard transmission;
forward/reverse**

Hydrostatic - two range

Left-hand reverser

No

Final drive

Spur gear

Brakes

Wet disc (left-hand pedal)

Steering

Power

Axle capacity

Front
612 kg
1349 lb
Rear
715 kg
1576 lb

Creeper

No

| | |
|---|--|
| Cruise control | Standard |
| Differential lock | Yes |
| Hydraulics | |
| Type | Open center |
| Pump rated output | Steering 13.2 L/min 3.5 gpm Implement 13.2 L/min 3.5 gpm 24 L/min 6.3 gpm |
| Pump type | Single gear |
| Maximum operating pressure | 138 bar 2000 psi |
| Draft control sensing | Position control |
| Remote control valves available | Three |
| 3-point hitch | |
| Type | Limited Category 1 |
| Lift capacity, 24-in. behind link arms | 344 kg 758 lb |

Power take-off (PTO)

| | |
|-----------------|--------------------------------|
| Standard | Rear: 540 rpm Mid: 2100 rpm |
|-----------------|--------------------------------|

| | |
|--|-------------------------|
| Control | Independent |
| Clutch | Wet disk |
| Brake (for mid and rear PTO) | Wet disk |
| Fluid capacities | |
| Crankcase with filter | 2.7 L 2.9 qt |
| Transmission and hydraulic system | 12.3 L 3.2 gal. |
| Final drive | |
| Type | Spur gear |
| Differential lock | Yes |
| Operator station | |
| Rollover protective structure | Type Foldable Yes |
| Platform - flat/straddle | One-piece semi flat |
| Gear shift location - console/floor | Left-hand side |
| Cab | |

| | |
|---|--------------|
| Air conditioning, temperature differential | Heat only |
| Doors | Two |
| Seat equipment | Premium seat |

Dimensions

| | |
|--|---|
| Wheelbase | 1450 mm 57.1 in. |
| Front axle clearance | 195 mm 7.7 in. |
| Turning radius without brakes | Outside front tire: 2.51 m 8.2 ft |
| Limited slip differential | No |
| Approximate shipping weight (open-station; cab) | Open station: 706 kg 1556 lb Cab: 906 kg 1996 lb |

Tires

| | |
|---------------------------|--|
| Front | R3 Turf: 18x8.50-10 R3 Turf Radial: 18x8.50-10 R4: 18x8.5-10 |
| Rear | R3 Turf: 26x12-12 R4: 26x12-12 |
| Front tread range | 931 mm 36.7 in. |
| Rear tread spacing | 895 mm 35.2 in. |

Toolbox

Yes