

John Deere

1023E

Sub-Compact Tractor

Key Specs

Engine power (gross)

SAE J1995 rated power: 16 kW
21.5 hp
21.8 PS at 3200 rpm

Power take-off (PTO) power

11.1 kW
14.9 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

No

Approximate shipping weight (open-station; cab)

Open station: 656 kg
1446 lb
Cab: Not applicable

Wheelbase

1450 mm
57.1 in.

Engine

Manufacturer	Yanmar®
Engine model	3TNM74F-NCJT
Engine power (gross)	SAE J1995 rated power: 16 kW 21.5 hp 21.8 PS at 3200 rpm
Power take-off (PTO) power	11.1 kW 14.9 hp
Rated engine speed	3200 rpm
Type	Diesel
Injection pump type	Indirect injection
Aspiration	Natural
Emissions compliance	Final Tier 4
Cylinders/displacement	Three cylinders: 0.993 L 60.6 cu in.
Number of cylinders	Three
Cylinder liners	Cast-in-block
Bore and stroke	74 x 77 mm 2.91 x 3.03 in.
Compression ratio	23.5:1
Lubrication	Pressurized
Cooling system	Water pump
Air cleaner	Dual element
Engine torque at rated speed	47.7 Nm 35.2 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

No

Differential lock	Yes
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Hydraulics

Type	Open center
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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
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Pump type	Single gear
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Maximum operating pressure	138 bar 2000 psi
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Draft control sensing	Select control
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Remote control valves available	Three
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3-point hitch

Type	Limited Category 1
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Lift capacity, 24-in. behind link arms	344 kg 758 lb
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Power take-off (PTO)

Standard	Rear: 540 rpm Mid: 2100 rpm
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Control	Independent
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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
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: 656 kg 1446 lb Cab: Not applicable
Tires	
Front	R3 Turf: 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