

John Deere
2038R
Compact Tractor

Key Specs

Engine power (gross)	SAE J1995 rated power: 27.4 kW 36.7 hp 37.2 PS at 2500 rpm
Power take-off (PTO) power	22.7 kW 30.4 hp
Steering hydraulics	15 L/min 4 gpm
Implement hydraulics	20.2 L/min 5.3 gpm
Hitch type	Category 1
Lift capacity, 24-in. behind link arms	615 kg 1356 lb
Standard transmission; forward/reverse	Hydrostatic transmission (HST)
Cruise control	Standard
Approximate shipping weight (open-station; cab)	Open station: 1320 kg 2910 lb Cab: Not applicable
Wheelbase	1723 mm 67.8 in.

Engine

Manufacturer	Yanmar®
Engine model	3TNV88C-NJT
Engine power (gross)	SAE J1995 rated power: 27.4 kW 36.7 hp 37.2 PS at 2500 rpm
Power take-off (PTO) power	22.7 kW 30.4 hp
Rated engine speed	2500 rpm
Type	Direct Injection
Injection pump type	Direct Injection
Aspiration	Turbocharged
Emissions compliance	Final Tier 4
Cylinders/displacement	Three cylinders: 1.568 L 95.8 cu in.
Number of cylinders	Three
Cylinder liners	Cast-in-block
Bore and stroke	86x90 mm 3.39x3.54 in.
Compression ratio	19.1:1
Lubrication	Pressurized
Cooling system	Water pump
Air cleaner	Dual element
Engine torque at rated speed	104.7 Nm 77.2 lb-ft

Fuel tank capacity

32 L
8.5 U.S. gal.

Electrical

Battery size

500 CCA

Alternator (12-V)

85 amp

Starter size

1.4 kW
1.9 hp

Fuel system

Type

Direct Injection

Transmission

**Standard transmission;
forward/reverse**

Hydrostatic transmission (HST)

Final drive

Spur gear

Brakes

Wet disc

Steering

Power steering

Axle capacity

Front
880 kg
1940 lb
Rear
1800 kg
3968 lb

Creeper

No

Cruise control

Standard

Differential lock	Yes
--------------------------	-----

Hydraulics

Type	Open center
-------------	-------------

Pump rated output	Steering 15 L/min 4 gpm Implement 20.2 L/min 5.3 gpm 35.2 L/min 9.3 gpm
--------------------------	--

Pump type	Dual gear
------------------	-----------

Maximum operating pressure	172 bar 2495 psi
-----------------------------------	---------------------

Draft control sensing	Position control
------------------------------	------------------

Remote control valves available	Up to three
--	-------------

3-point hitch

Type	Category 1
-------------	------------

Lift capacity, 24-in. behind link arms	615 kg 1356 lb
---	-------------------

Power take-off (PTO)

Standard	Rear: 543 rpm Mid: 1998 rpm
-----------------	--------------------------------

Control	Independent
----------------	-------------

Clutch	Wet disc
Brake (for mid and rear PTO)	Wet disc
Fluid capacities	
Crankcase with filter	4.5 L 4.8 qt
Final drive	
Type	Spur Gear
Differential lock	Yes
Operator station	
Rollover protective structure	Type Foldable ASABE S478
Platform - flat/straddle	Semi-flat
Dimensions	
Wheelbase	1723 mm 67.8 in.
Turning radius with brakes	2.46 m 8.07 ft
Approximate shipping weight (open-station; cab)	Open station: 1320 kg 2910 lb Cab: Not applicable

Tires

Front

R1 Ag 7.00-12
R3 Turf 23x8.50-14
R4 Industrial 23x8.50-14
R3 Turf Radial 200/60 R15

Rear

R1 Ag 12.4-16
R3 Turf 14-17.5
R4 Industrial 14-17.5
R3 Turf Radial 300/70 R20

Toolbox

Yes

Tilt steering wheel

Yes

12-V Outlet

Yes