

John Deere

4052M

Compact Utility Tractor

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Key Specs

Engine power (gross)	SAE J1995 rated power: 37.9 kW 50.8 hp 51.5 PS at 2600 rpm
Power take-off (PTO) power	29.2 kW 39.1 hp
Steering hydraulics	23.5 L/min 6.2 gpm
Implement hydraulics	42.3 L/min 11.2 gpm
Hitch type	Category 1
Lift capacity, 24-in. behind link arms	1135 kg 2500 lb
Standard transmission; forward/reverse	PowrReverser transmission
Cruise control	Optional
Approximate shipping weight (open-station; cab)	Open station with hydrostatic transmission: 1664 kg 3668 lb Cab with hydrostatic transmission: Not applicable Open station with PowrReverser transmission: 1703 kg 3754 lb Cab with PowrReverser: Not applicable
Wheelbase	185.5 cm 73 in.

Engine

Family	EYDXL2.09TDA FYDXL2.09TDA GYDXL2.09TDA
Manufacturer	Yanmar®
Engine model	4TNV86CT-MJT
Engine power (gross)	SAE J1995 rated power: 37.9 kW 50.8 hp 51.5 PS at 2600 rpm
Power take-off (PTO) power	29.2 kW 39.1 hp
Rated engine speed	2600 rpm
Type	Diesel
Injection pump type	High pressure common rail direct injection
Aspiration	Turbocharged
Emissions compliance	Final Tier 4
Cylinders/displacement	4 / 2.091 L 4 / 127.6 cu in.
Number of cylinders	Four
Cylinder liners	Cast-in-block
Bore and stroke	86 x 90 mm 3.4 x 3.54 in.
Compression ratio	19.1:1
Lubrication	Pressurized

Cooling system	Liquid
Air cleaner	Dual element
Engine torque at rated speed	139 Nm 102.5 lb-ft
Fuel tank capacity	56.9 L 15 U.S. gal.

Electrical

Battery size	770 CCA
Alternator (12-V)	75 amp
Starter size	2 kW 2.68 hp

Fuel system

Type	High pressure common rail direct injection
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Transmission

Standard transmission; forward/reverse	PowrReverser transmission
Optional transmission; forward/reverse	eHydro transmission
Left-hand reverser	PowrReverser transmission only
Transmission gear ranges	PowrReverser: 12F/12R eHydro: Infinitely-variable three range
Final drive	Planetary

Brakes	Multi-plate wet disc
Steering	Hydrostatic power steering
Clutch, wet/dry	Wet
Clutch disk diameter wet clutch	129 mm 5.08 in.
Axle capacity	Front 1600 kg 3528 lb Rear 2400 kg 5292 lb
Cruise control	Optional
Differential lock	Yes
Hydraulics	
Type	Open center
Pump rated output	Steering 23.5 L/min 6.2 gpm Implement 42.3 L/min 11.2 gpm 65.8 L/min 17.4 gpm
Pump type	Single gear
Draft control sensing	Position control
Remote control valves available	Up to three rear remotes
3-point hitch	

Type	Category 1
Lift capacity, 24-in. behind link arms	1135 kg 2500 lb
Power take-off (PTO)	
Standard	Independent 540 rpm at 2600 rpm
Control	Position
Clutch	Wet disc
Fluid capacities	
Crankcase with filter	5.3 L 1.4 qt
Transmission and hydraulic system	47.3 L 12.5 gal.
Final drive	
Type	Planetary
Differential lock	Yes
Operator station	
Rollover protective structure	Type Foldable Yes
Platform - flat/straddle	Flat

Gear shift location - console/floor

PowrReverser - Left-hand side

Dimensions

Wheelbase	185.5 cm 73 in.
Front axle clearance	25.1 cm 13.8 in.
Turning radius with brakes	2.8 m 9.19 ft
Turning radius without brakes	3 m 9.84 ft
Approximate shipping weight (open-station; cab)	Open station with hydrostatic transmission: 1664 kg 3668 lb Cab with hydrostatic transmission: Not applicable Open station with PowrReverser transmission: 1703 kg 3754 lb Cab with PowrReverser: Not applicable
Front	Farm - 8-16 Turf - 27x10.5-15 Industrial - 10-16.5
Rear	Farm - 13.6-28 Turf - 44x18-20 or 22.5LL-16.1 Industrial - 16.9Lx24
Front tread range	148.1 cm 58.3 in.
Rear tread spacing	137.2 cm 54 in.