

Specifications:

MANUFACTURER	John Deere
MODEL	2305
Engine	
Manufacturer	Yanmar 3TNV76
Engine HP (kW) - gross	24.1 (17.7) per ISO 97/68/EC
PTO HP (kW) - Gear transmission	---
PTO HP (kW) - Hydrostatic transmission	18.0 (13.4) per SAE
Rated engine speed, rpm	3000
Type	Diesel
Operating range	1170-3170
Aspiration	Natural
Cylinders/Displacement, cu. in. (liters)	3 / 68 (1.115)
Cylinder Liners	Cast-In-Block
Bore and Stroke, mm (in.)	76x82 (2.99x3.23)
Compression Ratio	23.4:1
Lubrication	Pressurized
Cooling System	Water pump
Air Cleaner	Dry type with safety element
Engine Shutoff	Key switch
Engine Torque @ rated speed, ft./lb. (N/m)	41.7 (56.5)
Fuel Tank Cap., US Gal. (L) (Open; Cab)	5.5 (21.0)
Electrical	
Type	12V
Battery Size (CCA)	500
Alternator (12 volt, amp)	20
Starter Size, hp (kW)	1.6 (1.2)
Fuel System	
Type	Diesel
Injection Pump Type	---
U.S. gal./hr (L/hr) @ 100% load*	1.6 (6.1)
*Fuel consumption rate should be used for comparison purposes only.	---
Transmission	
Std. Transmission; Forward/Reverse	Hydrostatic - 2 range

Specifications:

John Deere
2320
Yanmar 3TNV76
24

18.0(13.4)
3000
Diesel
1270-3170
Natural
3 / 68 (1.115)
Cast-in-block
76x82 (2.99x3.23)
23.4:1
Pressurized
Water pump
Dry-type, two stage
Key switch
40.27 (54.6)
6.1 (23); NA
12 volt
500
20
1.6 (1.2)

Indirect Injection
1.6 (6.1)

Hydro; 2 Range

Specifications:

John Deere
2520
Yanmar 3TNV82A
26.5 (19.8)

20.5 (15.3)
2600
Direct injection
1000-2750
Natural
3 / 81.2 (1.33)
Cast-in-block
82x84 (3.23x3.31)
19.2:1
Pressurized
Water pump
Dry-type, two stage
Key switch
51.3 (69.6)
7.1 (27); NA
12 volt
500
40
1.6 (1.2)
Diesel
Gear
1.6 (6.2)

Hydro - 2 Range

Opt. Transmission; Forward/Reverse	---
Left-Hand Reverser	No
On-The-Go Shifting (Yes/No/Partial)	N/A
Direction Reverser; Forward/Reverse	No; Twin Touch Pedals
Final Drive	Spur gear
Brakes	Wet disk
Steering	Power
Clutch; Wet/Dry	N/A
Clutch Disk Diameter, in. (mm) wet clutch	---
Drawbar Tongue Weight Capacity, lb. (kg)	562 (255)
Axle Capacity (in operation)	---
Front, lb. (kg)	1654 (750)
Rear, lb. (kg)	1477 (670)
Creeper	No
Hydraulics	
Type	Open Center
Pump Rated Output, gpm (L/min.)	5.2 (19.7)
Steering	2.3 (8.9)
Implement	2.9 (10.8)
Pump Type	Gear
Maximum Operating Pressure (PSI)	1987
Draft Control Type	Select Control
Remote Control Valves Available	2
3-Point Hitch	
Type	Limited Cat. 1
Lift Capacity (24-in. behind link arms), lb. (kg)	681 (309)
Lift Capacity @ lift link ends, lb. (kg)	---
Power Take-Off (PTO)	
Standard	Rear @ 540; Mid @ 2100
Optional	---
Control	Independent
Clutch	---
Brake (for Mid and Rear PTO)	Wet disk

No
N/A
Twin Touch pedals
Spur gear
Wet disk
Power steering
N/A

562 (255)

1940 (880)
2426 (1100)
No
Open Center
5.6 (21.2)
2.2 (8.5)
3.4 (12.7)
Gear
2421
Position Control
2
Category I
1150 (522)
1433 (650)
Standard Rear @ 540 RPM and Mid @ 2100 RPM std.

Independent
Wet disk
Wet disk

NA
NA
Twin Touch pedals
Spur gear
Wet disk
Power steering
NA

562 (255)

1940 (880)
2426 (1100)
NA
Open Center
10.5 (39.6)
5.5 (20.8)
5.0 (18.8)
Gear
2418
Position Control
2
Category I
1150 (522)
1433 (650)
Standard Rear @ 540 RPM and Mid @ 2100 RPM std.

Independent
Wet disk
Wet disk

MFWD Dimensions	
Wheelbase, in. (mm)	57.1 (1450)
Front Tread Range, in. (mm)	35.6 (905)
Front Axle Clearance, in. (mm)	7.7 (195)
Turning Radius w/Brakes, ft. (m)	---
Turning Radius w/o Brakes, ft. (m)	7.4 (2.25)
Limited Slip Differential	---
Unballasted Operating Weight, lb. (kg)	---
Approx. Ship Wgt, lb. (kg) Open; Cab	1450 lbs (658 kg)
Standard Tires	
2WD	---
Front	---
Rear	---
MFWD	---
Front	18X8.5-10 R4
Rear	26X12-12 R4
Miscellaneous	
Underhood Muffler	Yes
Joystick SCV Control	Yes
Inboard Planetary	No
Axle Type	Flanged
Brakes - Type and Control	Wet Disk

[Specifications are based on published information at the time of publication.](#)
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63.0 (1600)
31.1 (790)
12.5 (318.4)
6.7 (2.04)
7.7 (2.34)

1660 (753)
1660 (753); N/A

23x8.5-12 R4
31x12-16.5 R4

Yes
Yes
No
Flanged
Wet disk

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65.2 (1655)
32.7 (830)
12.5 (318.4)
7.5 (2.3)
8.2 (2.5)

1865 (846)

23x8.5-12 R4
36x14.00-17.5 R4

Yes
Yes
No
Flanged
Wet Disk

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