

Manufacturer MODEL	John Deere 3320	John Deere 3520	John Deere 4105
Engine	Yanmar 3TINV88	Yanmar 3TINV84T	Yanmar 3TINV84T-KJT
Manufacturer	---	---	---
Engine HP (kW) - gross	32.8 (24.1) per ISO 97/68/EC	37.1 (27.3) per ISO 97/68/EC	40.5 (29.8) per ISO 97/68/EC
PTO HP (kW) - Gear transmission	25.5 (19.0) per SAE	30.5 (22.7) per SAE	---
PTO HP (kW) - Hydrostatic transmission	25.0 (18.6) per SAE	30.0 (22.4) per SAE	32.5 (24.2) per SAE
Rated engine speed, rpm	2600	2600	2800
Type	Diesel	Diesel	Diesel
Operating range	950 (2810)	950-2810	1000 - 2975
Aspiration	Natural	Turbo	Turbo
Cylinders/Displacement, cu. in. (liters)	3 / 100 (1.64)	3 / 91.5 (1.5)	3 / 91.5 (1.5)
Cylinder Liners	Cast-in-block	Cast-in-block	Cast-in-block
Bore and Stroke, mm (in.)	88x90 (3.46x3.54)	84x90 (3.3x3.54)	84x90 (3.3x3.54)
Compression Ratio	18:01	18:01	19:01
Lubrication	Pressurized	Pressurized	Pressurized
Cooling System	Water pump	Water pump	Water pump
Air Cleaner	Dry-type w/safety element and air restriction indicator	Dry type with safety element and air restriction indicator	Dry-type with safety element
Engine Shutoff	Key switch	Key switch	Key switch
Engine Torque @ rated speed, ft./lb. (N/m)	61.6 (83.5)	71.1 (96.4)	59.2 (80.3)
Fuel Tank Cap., US Gal. (L) (Open; Cab)	Open-13.5 (51.1); Cab-11.8 (44.7)	Open-13.5 (51.1); Cab-11.8 (44.7)	10.5 (39.7)
Electrical			
Type	12 volt	12 volt	12 volt
Battery Size (CCA)	500	500	500
Alternator (12 volt, amp)	Open-40 amp; Cab-75 amp	Open-40 amp; Cab-75 amp	40 amp
Starter Size, hp (kW)	1.8 (1.4)	1.8 (1.4)	1.9 (1.4)
Fuel System			
Type	Direct injection	Direct injection	Direct injection
Injection Pump Type	In-line with electric shutoff	In-line with electric shutoff	In-line with electric shutoff
U.S. gal./hr (L/hr) @ 100% load*	2.0 (7.6)	2.4 (9.1)	2.35 (8.9)
Fuel consumption rate should be used for comparison purposes only.	---	---	---

Transmission			
Transmission, Forward/Reverse	eHydro - 3 Range	eHydro - 3 Range	Hydro, 2-Range
Left-Hand Reverser	Yes	Yes / NA	No
On-The-Go Shifting (Yes/No/Partial)	Yes	Yes	No
Direction Reverser, Forward/Reverse	Yes; Twin Touch Pedals	Yes; Twin Touch Pedals	Yes; Twin Touch Pedals
Final Drive	Helical gear	Helical gear	Spur gear
Brakes	Wet disk	Wet disk	Wet disk
Steering	Power steering	Power steering	Power steering
Clutch; Wet/Dry	Multi-disk, wet	Wet	---
Clutch Disk Diameter, in. (mm) wet clutch	4.43 (112.5)	Two wet multi-disk	---
Drawbar Tongue Weight Capacity, lb. (kg)	882 (400)	882 (400)	882 (400)
Axle Capacity (In operation)	---	---	---
Front, lb. (kg)	1587-3197 (720-1450)	1587-3197 (720-1450)	1587-3197 (720-1450)
Rear, lb. (kg)	5292 (2400)	5292 (2400)	4000 (1815)
Creeper	No / Optional SpeedMatch	No / Optional SpeedMatch	No
Hydraulics			
Type	Open Center	Open Center	Open Center
Pump Rated Output, gpm (L/min.)	13.9 (52.5)	13.9 (52.5)	14.8 (56.2)
Steering	5.3 (20.0)	5.3 (20)	5.7 (21.6)
Implement	8.6 (32.5)	8.6 (32.5)	9.2 (34.7)
Pump Type	Dual gear	Dual gear	Dual gear
Maximum Operating Pressure (PSI)	2500	2500	2500
Draft Control Type	Position control	Position control	Position control
Remote Control Valves Available	5	5	2
3-Point Hitch			
Type	Category 1	Category 1	Category 1
Lift Capacity (24-in. behind link arms), lb. (kg)	2200 (999)	2200 (999)	2200 (999)
Lift Capacity @ lift link ends, lb. (kg)	2530 (1149)	2530 (1149)	2530 (1149)
Power Take-Off (PTO)			
Standard	Rear @ 540 RPM	Rear @ 540	Rear @ 540
Optional	Mid @ 2100 RPM	Mid @ 2100	---
Control	Independent	Independent	Independent
Clutch	Multi-disk, wet	Multi-disk, wet	Wet disk
Brake (for Mid and Rear PTO)	Multi-disk, wet	Multi-disk, wet	N/A
Fluid Capacities			

Fuel Tank, gal. (l)	Open-13.5 (51.1); Cab-11.8 (44.7)	Open-13.5 (51.1); Cab-11.8 (44.7)	10.5 (39.7)
Cooling system (includes coolant bottle), qt. (l)	Open-5.3 (1.4); Cab-7.6 (7.0)	Open-5.3 (1.4); Cab-7.6 (7.0)	5.6 (5.3)
Crankcase with filter, qt. (l)	5.1 (4.8)	5.1 (4.8)	4.5 (4.3)
Transmission and Hydraulic System, gal. (l)			
hydraulic	6.8 (25.7)	6.8 (25.7)	6.8 (25.7)
Front Axle Gearcase (MFWD axle), gal. (l)	4.7 (4.5)	4.7 (4.5)	1.2 (4.5)
Final Drive			
Type	Spur Gear	Spur Gear	Spur Gear
Engage On-the-Go Rear Differential Lock	Yes	Yes	Yes
Operator Station			
Rollover Protective Structure	OSHA, SAE, ASAE	OSHA, SAE, ASAE	ASAE S478
Rigid - Foldable - Telescopic	---	---	---
Platform - Flat/Straddle	Foldable	Foldable	Rigid
	Flat	Flat	Semi-flat
Gear Shift Location - Console/Floor	Left Side	Left Side	Left Side
Cab			
Compliance	Complies with OSHA, SAE and CSA standards for roll-over protection	Complies with OSHA, SAE, and CSA standards for roll-over protection	---
Visibility	360 Degrees	360 Degrees	---
Air Conditioning, Temperature Differential	Yes, up to 30 degrees	Yes, up to 30 degrees	---
Doors	2	2	---
Platform - Flat/Straddle	Flat	Flat	---
dB(A) Rating	80	80	---
Seat Suspension System	Scissor-link	Scissor-link	---
MFWD Dimensions			
Wheelbase, in. (mm)	68 (1727)	68 (1727)	68 (1727)
Front Tread Range, in. (mm)	45.2 (1148)	---	51.2 (1300)
Front Axle Clearance, in. (mm)	10.9 (276.9)	---	14.7 (373)
Turning Radius w/Brakes, ft. (m)	8.8 (2.68)	8.8 (2.68)	---
Turning Radius w/o Brakes, ft. (m)	9.2 (2.8)	9.2 (2.8)	9.5 (2.89)
Limited Slip Differential	---	---	---
Unballasted Operating Weight, lb. (kg)	---	---	---
Approx. Ship Wgt, lb. (kg) Open; Cab	Open-2900 (1316); Cab-3570 (1619)	Open-2900 (1316); Cab-3570 (1619)	2987 (1355)