

New Holland TB Specialty Tractor Specifications



TB110 Low-Profile TB120 Low-Profile TB120 High-Clearance

ENGINE†	TB110 LOW-PROFILE	TB120 LOW-PROFILE	TB120 HIGH-CLEARANCE
Type		4-cycle, diesel	
Number of cylinders / Aspiration	4 / Turbocharged	6 / Naturally aspirated	6 / Naturally aspirated
Displacement, cu. in. (L)	304 (5.0)	456 (7.5)	456 (7.5)
Gross engine power, hp (kW)	108 (80.5)	115 (85.7)	115 (85.7)
PTO power, hp (kW)	90 (67)	96 (71.6)	96 (71.6)
Rated speed (RPM)		2100	
Maximum torque, ft.-lbs. (Nm)	249 (355) @ 1200 rpm	358 (511) @ 1200 rpm	358 (511) @ 1200 rpm
Torque rise		34-40%	
Fuel type	B5 Biodiesel (meeting ASTM 6751 standards) and/or standard diesel fuels		
Air filter	Dual element, dry type with cleanable outer element and replaceable inner safety element		
Lubrication	Full flow, pressure lubrication with vertical mount spin-on filter cartridge		
Oil & filter change interval	300 hours		
Starting aid	Thermostart		
Throttle	Hand and/or foot controlled		
Exhaust	Under hood muffler w/ horizontal, under-slung exhaust		Under hood muffler w/ vertical pipe
Emissionization standard	Tier-II		
Fuel tank capacity, gal. (L)		37 (140)	

TRANSMISSION

Base on standard tractor	8Fx2R constant mesh (3 forward and 1 reverse gears, 2 ranges)		
Optional transmission	16Fx4R Dual Command™ (3 forward and 1 reverse gears, 2 ranges, clutchless hi/lo shift in each range)		
Traction clutch, in. (mm)	Dry, 14 (355) diameter heavy-duty cerametallic plate		
Ground Speed*, mph (kph)			
Base Transmission			
Forward:	1.43 to 15.27 (2.30 to 24.57)	1.43 to 15.27 (2.30 to 24.57)	1.71 to 18.27 (2.75 to 29.39)
Reverse:	2.09 to 7.38 (3.36 to 11.88)	2.09 to 7.38 (3.36 to 11.88)	2.50 to 8.83 (4.02 to 14.20)
Optional 16 x 4 Transmission			
Forward:	1.11 to 15.27 (1.79 to 24.57)	1.11 to 15.27 (1.79 to 24.57)	1.33 to 18.27 (2.14 to 29.39)
Reverse:	1.63 to 7.38 (2.62 to 11.88)	1.63 to 7.38 (2.62 to 11.88)	1.91 to 8.83 (3.08 to 14.20)
Optional Creeper Range (available w/ base transmission only)			
Four forward gears	0.14 to 0.43 (0.23 to 0.69)	0.14 to 0.43 (0.23 to 0.69)	0.15 to 0.40 (0.21 to 0.64)
One Reverse	0.21 (0.34)	0.21 (0.34)	0.19 (0.31)
Final drive / rear axle, lbs. (kg)	Planetary reduction / maximum unrestricted axle capacity of 13,801 (6260)		
in. (mm)	64 - 80 (1625 - 2032) track adjustment		
Rear differential lock	Mechanical foot pedal engagement		
Service brakes	Individual hydraulic wet disc, self-adjusting and equalizing		
Parking brake	Hand-lever engagement, locks service brakes		

HYDRAULICS

System type	Open center, fixed displacement gear pump		
System pressure	2,600 psi (179 bar)		
Implement pump capacity, gpm (l/m)			
(total flow for rear remotes, hitch and loader)	Standard pump 9.3 (35.2)		
	Optional auxiliary pump adds 8.5 (32.2)		
	Total flow with auxiliary pump 17.8 (67.4)		
Steering & services system, gpm (l/m)	Hydrostatic power steering w/dedicated gear pump - 9.2 (34.8)		
Total maximum tractor flow, gpm (l/m)	Standard pump - 18.5 (70), with auxiliary pump 27.1 (102.5)		
Remote valves - standard	2 Open center, rear mounted deluxe remote valves with flow controls and adjustable detents		
Remote valves - optional	Total of four rear remote valves (requires auxiliary pump)		

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3-POINT HITCH			
Rear	Standard		
Category	II		
Position control / draft sensing	Two levers w/ ability to blend draft and position control / mechanical, top link sensing w/ hydraulic position control		
Lower link ends	Flexible		Fixed
Stabilizers	Telescopic		
ASAE lift capacity @ 24 in. (610 mm), lb. (kg)	Standard - 3,600 (1633) Optional 1 external cylinder - 5,400 (2449) Optional 2 external cylinders - 7,200 (3266)		
PTO			
Rear	Standard, w/ flip-up PTO shaft guard		
Clutch type	Independent, multi plate wet clutch		
Engagement	Mechanical engagement		
Speed	540/1000 RPM		
FRONT AXLE			
2WD, lbs. (kg)	.....Heavy duty, adjustable, maximum axle capacity of 5,401 (2450).....		NA
Track adjustment, in. (mm)	.....60 - 80 (1524 - 2032)		NA
Maximum turn angle, degrees	.....55		NA
Maximum axle oscillation, degrees	.....12		NA
Steering cylinder & linkage	.....Contained behind main axle beam		NA
FWD			
Center differential with planetary final drives in wheel hubs, maximum axle capacity, lbs. (kg)	.....6,600 (2994).....		6,314 (2864)
Tread width, in. (mm)	.....64 - 80 (1625 - 2032)		72-88 in. (1829 - 2235 mm)
Maximum wheel turn angle, degrees	.....55		
Maximum axle oscillation, degrees	.....12		10
Steering cylinder	.....Contained behind main axle beam		
Front differential lock	.....Mechanical limited slip		
FWD clutch engagement	.....Mechanical lever engagement		
ELECTRICAL			
Alternator	.....12 Volt, 55 Amps		
Battery capacity	.....800 cold cranking amps		
Lighting	.....2 hi/lo beam halogen headlights, 1 rear adjustable worklight, rear brake lights, flashing safety lights and turn signals		
Accessory power outlets	.....Standard equipment, 7-pin implement outlet, 4-pin (25 Amp) outlet, 1-pin (8 Amp) outlet.....		
Fuses	.....Automotive blade type		
WEIGHT - unballasted, lbs. (kg)			
2WD	7,103 (3222)	7,544 (3422)	NA
FWD	7,848 (3560)	8,252 (3743)	8,929 (4050)
†Manufacturer's estimate *Low-Profile with 16.9 x 24 tires; High-Clearance with 13.6 x 38 tires NA-Option Not Available			

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DIMENSIONS, in. (mm)

	TB110/TB120 LOW-PROFILE			
	TB110 2WD	TB110 FWD	TB120 2WD	TB120 FWD
Wheelbase	90 (2286)	89.5 (2273)	99.5 (2527)	99 (2515)
Height to top of steering wheel	72.5 (1841)	72.5 (1841)	72.5 (1841)	72.5 (1841)
Height over hood	63.5 (1613)	63.5 (1613)	66 (1676)	65 (1651)
Height to top of ROPS	98 (2489)	98 (2489)	97.5 (2476)	98 (2489)
Height to top of ROPS: Folded	78.5 (1994)	78.5 (1994)	78.5 (1994)	78.5 (1994)
Overall length (to lower link ends)	131.5 (3340)	136 (3454)	147 (3734)	145.5 (3696)
Track setting	60 to 80 (1524 to 2032)	64 to 80 (1626 to 2032)	60 to 80 (1524 to 2032)	64 to 80 (1626 to 2032)
Ground clearance: Rear axle centerline	11.2 (292)	11.5 (292)	11.2(292)	11.5 (292)
Tire size: Front	9.5 x 15	9.5 x 24	9.5 x 15	9.5 x 24
Tire size: Rear	16.9 x 24	16.9 x 24	16.9 x 24	16.9 x 24

DIMENSIONS, in. (mm)

	TB120 HIGH-CLEARANCE FWD
Wheelbase.....	99 (2515).....
Height to top of ROPS.....	116 (2946).....
Height to top of ROPS - folded.....	96 (2438).....
Overall length (to lower link ends).....	174.5 (4432).....
Ground clearance: front axle.....	29.5 (750).....
Tread adjustment: front.....	72 to 88 (1829 to 2235).....
Tread adjustment: rear.....	72 to 88 (1829 to 2235).....
Turning radius w/o brakes.....	181 (4597).....
Tire size.....	12.4R46.....

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Design, materials and/or specifications are subject to change without notice and without liability therefor. Specifications are applicable to units sold in Canada, the United States, its territories and possessions, and may vary outside these areas.



Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.