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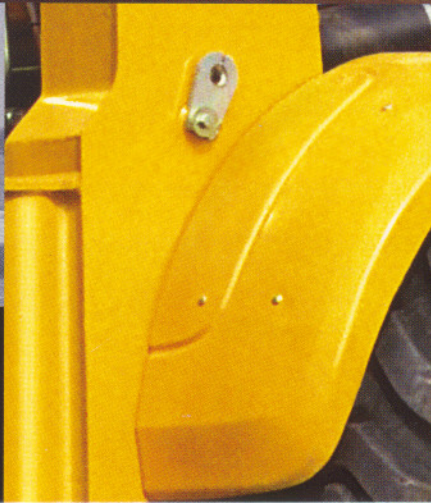
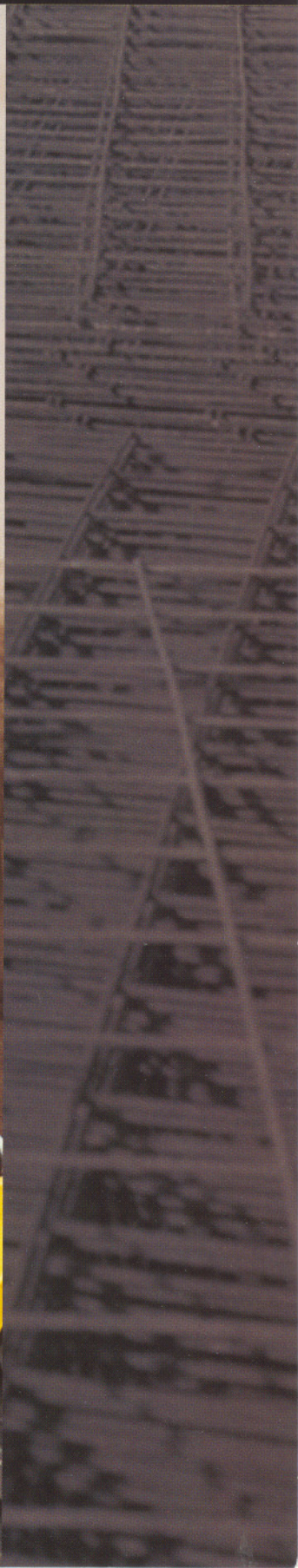
CONSTRUCTION EQUIPMENT DIVISION

TOOL CARRIERS



MODEL NO.

TC44H TC54H TC62H

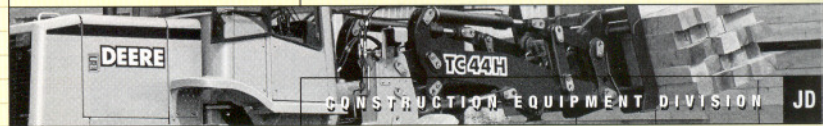


QUICK-COUPLER

# TC44H TC54H TC62H

TOOL CARRIERS

SPECIFICATIONS



Engine	TC44H	TC54H	TC62H
Type	John Deere POWERTECH® 4045T with altitude-compensating turbocharger; meets North American EPA and CARB non-road diesel engine emission regulations effective January 1, 1997; also is certifiable to proposed E.U. (European Union) regulations, which are not yet effective	John Deere POWERTECH 6068T with altitude-compensating turbocharger; meets North American EPA and CARB non-road diesel engine emission regulations effective January 1, 1997; also is certifiable to proposed E.U. (European Union) regulations, which are not yet effective	John Deere POWERTECH 6068H with altitude-compensating turbocharger and aftercooler; meets North American EPA and CARB non-road diesel engine emission regulations effective January 1, 1997; also is certifiable to proposed E.U. (European Union) regulations, which are not yet effective
Rated power	110 SAE net hp (82 kW), 116 SAE gross hp (86 kW) @ 2,200 rpm	130 SAE net hp (97 kW), 138 SAE gross hp (103 kW) @ 2,200 rpm	160 SAE net hp (119 kW), 172 SAE gross hp (128 kW) @ 2,200 rpm
Cylinders	4	6	6
Displacement	276 cu. in. (4.5 L)	414 cu. in. (6.8 L)	414 cu. in. (6.8 L)
Maximum net torque	325 lb.-ft. (441 Nm) @ 1,400 rpm	440 lb.-ft. (600 Nm) @ 1,300 rpm	578 lb.-ft. (785 Nm) @ 1,300 rpm
Lubrication	pressure system with full-flow spin-on filter and cooler	pressure system with full-flow spin-on filter and cooler	pressure system with full-flow spin-on filter and cooler
Fuel consumption, typical	1.8 to 3.8 gal./hr. (7.1 to 14.4 L/h)	2.4 to 4.7 gal./hr. (8.9 to 17.8 L/h)	2.9 to 5.8 gal./hr. (10.9 to 21.9 L/h)
Cooling fan	blower type	blower type	blower type
Electrical system	24 volt with 55-amp alternator	24 volt with 55-amp alternator	24 volt with 55-amp alternator
Batteries (two 12 volt)	625 CCA; reserve capacity: 160 min.	625 CCA; reserve capacity: 160 min.	625 CCA; reserve capacity: 160 min. – standard / 950 CCA; reserve capacity: 200 min.
Air cleaner	dual safety element dry type; restriction indicator for service	dual safety element dry type; restriction indicator for service	dual safety element dry type; restriction indicator for service

## Transmission

Type	single stage, single phase torque converter; counter-shaft-type power shift with computer control	single stage, single phase torque converter; counter-shaft-type power shift with computer control	single stage, single phase torque converter; counter-shaft-type power shift with computer control
Controls	smooth shifts under any power condition provided by computer-controlled electronic shift with individual electronic control over each clutch pack, twist-grip shift lever, quick-shift button on hydraulic lever, automatic shift feature is selectable to shift between gears 1-4 or 2-4	smooth shifts under any power condition provided by computer-controlled electronic shift with individual electronic control over each clutch pack, twist-grip shift lever, quick-shift button on hydraulic lever, automatic shift feature is selectable to shift between gears 1-4 or 2-4	smooth shifts under any power condition provided by computer-controlled electronic shift with individual electronic control over each clutch pack, twist-grip shift lever, quick-shift button on hydraulic lever, automatic shift feature is selectable to shift between gears 1-4 or 2-4
Travel speeds*	<i>Forward</i> Gear 1.....4.6 mph (7.5 km/h) Gear 2.....8.3 mph (13.4 km/h) Gear 3.....15.5 mph (24.9 km/h) Gear 4.....24.8 mph (40.0 km/h)	<i>Reverse</i> 4.9 mph (7.9 km/h) 8.7 mph (14.1 km/h) 16.3 mph (26.3 km/h)	<i>Forward</i> 4.3 mph (7.0 km/h) 7.7 mph (12.5 km/h) 14.3 mph (23.0 km/h) 25.0 mph (40.0 km/h)
		<i>Reverse</i> 4.6 mph (7.5 km/h) 8.0 mph (13.0 km/h) 15.5 mph (25.0 km/h)	<i>Reverse</i> 5.0 mph (8.1 km/h) 8.0 mph (12.7 km/h) 14.9 mph (23.9 km/h) 24.5 mph (39.5 km/h)

\*TC44H equipped with 17.5-25 tires; TC54H and TC62H equipped with 20.5-25 tires.

## Axles/Brakes

Final drives	heavy-duty planetary, mounted inboard	heavy-duty planetary, mounted inboard	heavy-duty planetary, mounted inboard
Differentials	conventional front and rear – standard; hydraulic locking front, conventional rear – optional; dual locking front and rear – optional; limited slip front and rear – optional	conventional front and rear – standard; hydraulic locking front, conventional rear – optional; dual locking front and rear – optional; limited slip front and rear – optional	conventional front and rear – standard; hydraulic locking front, conventional rear – optional; dual locking front and rear – optional; limited slip front and rear – optional
Rear axle oscillation, stop to stop	24 degrees	28 degrees with 17.5-25 tires; 24 degrees with 20.5-25 tires	26 degrees
Maximum rise and fall, single wheel	15.1 in. (385 mm)	18.6 in. (472 mm) with 17.5-25 tires; 16.0 in. (406 mm) with 20.5-25 tires	18.2 in. (461 mm)
Brakes (conform to SAE J1473, ISO3450)			
Service brakes	inboard-mounted hydraulic wet-disc, bathed in cooling oil, long life self-adjusting	inboard-mounted hydraulic wet-disc, bathed in cooling oil, long life self-adjusting	inboard-mounted hydraulic wet-disc, bathed in cooling oil, long life self-adjusting
Parking brake	automatically spring applied, hydraulically released, wet disc bathed in cooling oil	automatically spring applied, hydraulically released, wet disc bathed in cooling oil	automatically spring applied, hydraulically released, wet disc bathed in cooling oil

## Hydraulic System/Steering

Pump (loader and steering)	variable-displacement, axial piston pump; closed-center, pressure-compensating system	variable-displacement, axial piston pump; closed-center, pressure-compensating system	variable-displacement, axial piston pump; closed-center, pressure-compensating system
Maximum flow	36 gpm (136 L/m) @ 1,000 psi (6895 kPa) and 2,200 rpm	41 gpm (155 L/m) @ 1,000 psi (6895 kPa) and 2,200 rpm	55 gpm (200 L/m) @ 1,000 psi (6895 kPa) and 2,200 rpm
Pressure	loader and steering relief 3,600 psi (24 850 kPa)	loader and steering relief 3,600 psi (24 850 kPa)	loader and steering relief 3,600 psi (24 850 kPa)
Loader controls	two-function valve; single or dual lever controls; control lever lockout feature; optional third- and fourth-function valve with auxiliary lever	two-function valve; single or dual lever controls; control lever lockout feature; optional third- and fourth-function valve with auxiliary lever	two-function valve; single or dual lever controls; control lever lockout feature; optional third- and fourth-function valve with auxiliary lever
Hydraulic cycle times			
Raise	5.0 sec.	5.8 sec.	5.8 sec.
Dump	1.5 sec.	1.5 sec.	1.7 sec.
Lower	2.3 sec. (float down) / 2.5 sec. (power down)	2.8 sec. (float down) / 3.0 sec. (power down)	3.0 sec. (float down) / 3.5 sec. (power down)
Total	8.8 sec.	10.1 sec.	10.5 sec.
Maximum lift capacity	with 2.0 cu. yd. (1.5 m <sup>3</sup> ) bucket with bolt-on edge	with 2.5 cu. yd. (1.9 m <sup>3</sup> ) bucket with bolt-on edge	with 3.0 cu. yd. (2.3 m <sup>3</sup> ) bucket with bolt-on edge
Lift at ground level	19,940 lb. (8592 kg)	24,740 lb. (11 222 kg)	32,743 lb. (14 852 kg)
Lift at maximum height	10,725 lb. (4865 kg)	13,455 lb. (6103 kg)	16,158 lb. (7329 kg)
Steering (conforms to SAE J1511)			
Type	power, fully hydraulic	power, fully hydraulic	power, fully hydraulic
Pressure	3,600 psi (24 850 kPa) relief	3,600 psi (24 850 kPa) relief	3,600 psi (24 850 kPa) relief
Articulation angle	80-degree arc (40 degrees each direction)	80-degree arc (40 degrees each direction)	80-degree arc (40 degrees each direction)
Turning radius (measured to centerline of outside tire)	15 ft. 5 in. (4703 mm)	16 ft. 3 in. (4959 mm)	17 ft. 0 in. (5187 mm)

## Tires

	TC44H			TC54H			TC62H		
Choice of	Tread Width	Width Over Tires	Change In Vertical Height	Tread Width	Width Over Tires	Change In Vertical Height	Tread Width	Width Over Tires	Change In Vertical Height
15.5-25, 12 PR L2	72.8 in. (1850 mm)	89.5 in. (2275 mm)	- 1.8 in. (- 46 mm)	76.8 in. (1950 mm)	95.7 in. (2430 mm)	- 2.4 in. (- 60 mm)	80.7 in. (2050 mm)	99.6 in. (2530 mm)	- 2.4 in. (- 60 mm)
17.5-25, 12 PR L2	72.8 in. (1850 mm)	91.7 in. (2330 mm)	0 in. (0 mm)	76.8 in. (1950 mm)	95.7 in. (2430 mm)	- 2.4 in. (- 60 mm)	80.7 in. (2050 mm)	99.6 in. (2530 mm)	- 2.4 in. (- 60 mm)

**Tires (continued)**

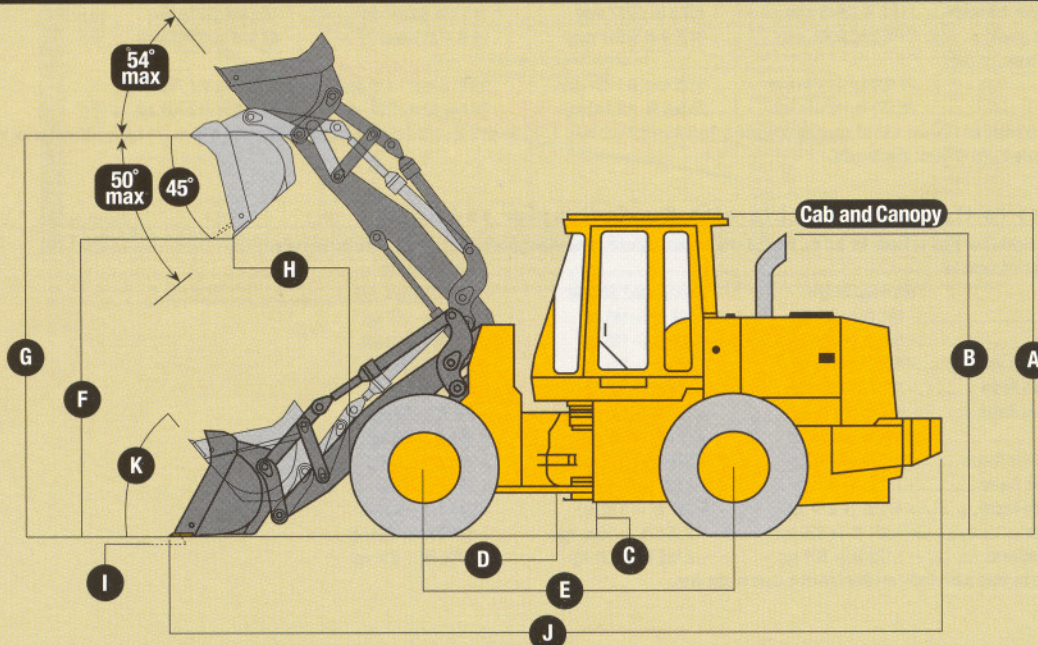
	TC44H			TC54H			TC62H		
Choice of	Tread Width	Width Over Tires	Change In Vertical Height	Tread Width	Width Over Tires	Change In Vertical Height	Tread Width	Width Over Tires	Change In Vertical Height
17.5-25, 12 PR L3 .....	72.8 in. (1850 mm)	91.7 in. (2330 mm)	+ 0.6 in. (+ 15 mm)	76.8 in. (1950 mm)	95.7 in. (2430 mm)	- 2.4 in. (- 60 mm)	80.7 in. (2050 mm)	99.6 in. (2530 mm)	- 2.4 in. (- 60 mm)
17.5 R 25, GP-2B Goodyear Radial (L2 type).....	72.8 in. (1850 mm)	91.6 in. (2327 mm)	+ 0.5 in. (+ 13 mm)	76.8 in. (1950 mm)	95.6 in. (2427 mm)	- 2.1 in. (- 53 mm)	80.7 in. (2050 mm)	99.4 in. (2525 mm)	- 2.1 in. (- 53 mm)
17.5 R 25, XTLA Michelin Radial (L2 type).....	72.8 in. (1850 mm)	91.6 in. (2327 mm)	+ 0.1 in. (+ 3 mm)	76.8 in. (1950 mm)	95.6 in. (2427 mm)	- 3.0 in. (- 77 mm)	80.7 in. (2050 mm)	99.4 in. (2525 mm)	- 3.0 in. (- 77 mm)
17.5 R 25, XHAT Michelin Radial (L3 type).....	72.8 in. (1850 mm)	91.6 in. (2327 mm)	+ 0.2 in. (+ 5 mm)	76.8 in. (1950 mm)	95.6 in. (2427 mm)	- 2.7 in. (- 68 mm)	80.7 in. (2050 mm)	99.4 in. (2525 mm)	- 2.7 in. (- 68 mm)
20.5-25, 12 PR L2 .....				74.8 in. (1900 mm)	96.9 in. (2462 mm)	0 in. (0 mm)	80.7 in. (2050 mm)	103.3 in. (2625 mm)	0 in. (0 mm)
20.5-25, 12 PR L3 .....				74.8 in. (1900 mm)	96.9 in. (2462 mm)	0 in. (0 mm)	80.7 in. (2050 mm)	103.3 in. (2625 mm)	0 in. (0 mm)
20.5 R 25, GP-2B Goodyear Radial (L2 type).....				74.8 in. (1900 mm)	96.8 in. (2460 mm)	0 in. (0 mm)	80.7 in. (2050 mm)	103.0 in. (2615 mm)	0 in. (0 mm)
20.5 R 25, XTLA Michelin Radial (L2 type).....				74.8 in. (1900 mm)	96.8 in. (2460 mm)	- 0.5 in. (- 14 mm)	80.7 in. (2050 mm)	103.3 in. (2625 mm)	- 0.5 in. (- 14 mm)
20.5 R 25, XHAT Michelin Radial (L3 type).....				74.8 in. (1900 mm)	96.8 in. (2460 mm)	- 0.2 in. (- 5 mm)	80.7 in. (2050 mm)	103.7 in. (2635 mm)	- 0.2 in. (- 5 mm)

**Capacities (U.S.)**

Fuel tank (with ground level fueling) .....	48 gal. (180 L)	65 gal. (246 L)	70 gal. (265 L)
Cooling system .....	20 qt. (19 L)	24 qt. (23 L)	23 qt. (22 L)
Engine lubrication, including full-flow spin-on filter .....	13 qt. (12.5 L)	19 qt. (18 L)	21 qt. (20 L)
Power shift transmission, including vertical cartridge filter .....	13 qt. (12.5 L)	21 qt. (20 L)	29 qt. (27 L)
Differential (each axle)			
Front .....	16 qt. (15 L)	20 qt. (19 L)	29 qt. (27 L)
Rear .....	16 qt. (15 L)	20 qt. (19 L)	22 qt. (21 L)
Loader hydraulic reservoir and filters .....	28 gal. (106 L)	28 gal. (106 L)	31 gal. (117 L)
Parking brake .....	10 oz. (0.300 L)	10 oz. (0.300 L)	10 oz. (0.300 L)

**Dimensions with Bucket and Coupler**

<b>A</b> Height to top of cab and canopy.....	10 ft. 3 in. (3125 mm)	10 ft. 7 in. (3230 mm)	10 ft. 10 in. (3300 mm)
<b>B</b> Height to top of exhaust.....	10 ft. 2.8 in. (3120 mm)	10 ft. 6.6 in. (3215 mm)	10 ft. 10 in. (3305 mm)
<b>C</b> Ground clearance.....	14 in. (355 mm)	16.7 in. (424 mm)	16.0 in. (406 mm)
<b>D</b> Length from centerline to front axle.....	54.1 in. (1375 mm)	57.1 in. (1450 mm)	59.65 in. (1515 mm)
<b>E</b> Wheelbase.....	108.3 in. (2750 mm)	114.2 in. (2900 mm)	119.3 in. (3030 mm)
<b>F</b> Dump height.....	▲ (see page 8)	▲ (see page 8)	▲ (see page 9)
<b>G</b> Height to hinge pin, fully raised.....	12 ft. 1 in. (3682 mm)	12 ft. 9 in. (3894 mm)	13 ft. 2 in. (4005 mm)
<b>H</b> Dump reach.....	▲▲ (see page 8)	▲▲ (see page 8)	▲▲ (see page 9)
<b>I</b> Maximum digging depth.....	5.7 in. (145 mm)	2.9 in. (74 mm)	2.9 in. (73 mm)
<b>J</b> Overall length.....	▲▲▲ (see page 8)	▲▲▲ (see page 8)	▲▲▲ (see page 9)
<b>K</b> Maximum rollback at ground level.....	50 degrees	50 degrees	50 degrees



## TC44H Bucket Information with Quick-Coupler and Bucket

Bucket Type/Size	Stockpiling and General Purpose w/Bolt-on Edge	Stockpiling and General Purpose w/Teeth and Segments	Excavating w/Bolt-on Edge	Excavating w/Teeth and Segments
Capacity, heaped SAE	2.5 cu. yd. (1.9 m <sup>3</sup> )	2.5 cu. yd. (1.9 m <sup>3</sup> )	2.0 cu. yd. (1.5 m <sup>3</sup> )	2.0 cu. yd. (1.5 m <sup>3</sup> )
Capacity, struck SAE	2.1 cu. yd. (1.6 m <sup>3</sup> )	2.1 cu. yd. (1.6 m <sup>3</sup> )	1.6 cu. yd. (1.2 m <sup>3</sup> )	1.6 cu. yd. (1.2 m <sup>3</sup> )
Bucket width	100.4 in. (2550 mm)	100.4 in. (2550 mm)	95.3 in. (2420 mm)	95.3 in. (2420 mm)
Breakout force, SAE J732C	17,610 lb. (7988 kg)	17,610 lb. (7988 kg)	19,945 lb. (9047 kg)	19,945 lb. (9047 kg)
Tipping load, straight	13,190 lb. (5983 kg)	13,031 lb. (5911 kg)	13,728 lb. (6227 kg)	13,627 lb. (6181 kg)
Tipping load, 40-degree full turn, SAE	11,100 lb. (5035 kg)	10,946 lb. (4965 kg)	11,616 lb. (5269 kg)	11,517 lb. (5224 kg)
Reach, 45-degree dump, 7-ft. (2.13 m) clearance	66.5 in. (1689 mm)	68.0 in. (1728 mm)	64.3 in. (1633 mm)	65.9 in. (1675 mm)
▲▲ Reach, 45-degree dump, full height	49.5 in. (1258 mm)	53.7 in. (1365 mm)	45.9 in. (1166 mm)	49.5 in. (1256 mm)
▲▲ Dump clearance, 45 degree, full height	105.4 in. (2676 mm)	101.1 in. (2567 mm)	107.8 in. (2739 mm)	101.9 in. (2587 mm)
▲▲▲ Overall length, bucket on ground	22 ft. 9 in. (6969 mm)	23 ft. 4 in. (7121 mm)	22 ft. 6 in. (6868 mm)	22 ft. 11 in. (6991 mm)
Loader clearance circle, bucket in carry position	36 ft. 7 in. (11 158 mm)	36 ft. 11 in. (11 241 mm)	36 ft. 1 in. (10 995 mm)	36 ft. 3 in. (11 059 mm)
Operating weight	22,513 lb. (10 212 kg)	22,646 lb. (10 272 kg)	22,139 lb. (10 042 kg)	22,225 lb. (10 081 kg)

Loader operating information is based on machine with all standard equipment; 17.5-25, 12 PR L2 tires; 840-lb. (382 kg) optional counterweight; ROPS cab; 175-lb. (79 kg) operator; and full fuel tank. This information is affected by tire size, ballast, and different attachments.

## TC44H Adjustments to Operating Weights with Quick-Coupler and Bucket

Adjustments to operating weights and tipping loads for 2.5 cu. yd. (1.9 m<sup>3</sup>) material-handling bucket with bolt-on cutting edge

Add (+) or deduct (-) lb. (kg) as indicated for	Operating Weight	Tipping Load, Straight	Tipping Load, 40-Degree Full Turn, SAE
loaders with			
15.5-25, 12 PR L2 tires	- 375 lb. (- 170 kg)	- 216 lb. (- 98 kg)	- 187 lb. (- 85 kg)
17.5-25, 12 PR L3 tires	+ 154 lb. (+ 70 kg)	+ 88 lb. (+ 40 kg)	+ 77 lb. (+ 35 kg)
17.5-25, GP-2B L2 Goodyear Radial	+ 256 lb. (+ 116 kg)	+ 148 lb. (+ 67 kg)	+ 128 lb. (+ 58 kg)
17.5-25, XTLA L2 Michelin Radial	+ 93 lb. (+ 42 kg)	+ 53 lb. (+ 24 kg)	+ 46 lb. (+ 21 kg)
17.5-25, XHAT L3 Michelin Radial	+ 269 lb. (+ 122 kg)	+ 154 lb. (+ 70 kg)	+ 134 lb. (+ 61 kg)
CaCl <sub>2</sub> in 17.5-25 rear tires*	+ 1,179 lb. (+ 535 kg)	+ 1,358 lb. (+ 616 kg)	+ 1,173 lb. (+ 532 kg)
Optional counterweight removed*	- 842 lb. (- 382 kg)	- 1,515 lb. (- 687 kg)	- 1,246 lb. (- 565 kg)

\*Optional counterweight not to be used when CaCl<sub>2</sub> or other ballast is used in rear tires.

## TC54H Bucket Information with Quick-Coupler and Bucket

Bucket Type/Size	Stockpiling and General Purpose w/Bolt-on Edge	Stockpiling and General Purpose w/Teeth and Segments	Excavating w/Bolt-on Edge	Excavating w/Teeth and Segments
Capacity, heaped SAE	3.0 cu. yd. (2.3 m <sup>3</sup> )	3.0 cu. yd. (2.3 m <sup>3</sup> )	2.5 cu. yd. (1.9 m <sup>3</sup> )	2.5 cu. yd. (1.9 m <sup>3</sup> )
Capacity, struck SAE	2.6 cu. yd. (2.0 m <sup>3</sup> )	2.6 cu. yd. (2.0 m <sup>3</sup> )	2.1 cu. yd. (1.6 m <sup>3</sup> )	2.1 cu. yd. (1.6 m <sup>3</sup> )
Bucket width	100.4 in. (2550 mm)	100.4 in. (2550 mm)	100.4 in. (2550 mm)	100.4 in. (2550 mm)
Breakout force, SAE J732C	22,806 lb. (10 345 kg)	22,806 lb. (10 345 kg)	23,307 lb. (10 572 kg)	23,307 lb. (10 572 kg)
Tipping load, straight	17,646 lb. (8004 kg)	17,489 lb. (7933 kg)	17,762 lb. (8057 kg)	17,608 lb. (7987 kg)
Tipping load, 40-degree full turn, SAE	14,857 lb. (6739 kg)	14,702 lb. (6669 kg)	14,978 lb. (6794 kg)	14,826 lb. (6725 kg)
Reach, 45-degree dump, 7-ft. (2.13 m) clearance	70.6 in. (1792 mm)	72.6 in. (1844 mm)	71.4 in. (1815 mm)	73.6 in. (1869 mm)
▲▲ Reach, 45-degree dump, full height	51.1 in. (1298 mm)	55.3 in. (1405 mm)	51.2 in. (1302 mm)	55.5 in. (1409 mm)
▲▲ Dump clearance, 45 degree, full height	112.0 in. (2846 mm)	107.8 in. (2737 mm)	113.7 in. (2887 mm)	109.4 in. (2778 mm)
▲▲▲ Overall length, bucket on ground	24 ft. 2 in. (7365 mm)	24 ft. 8 in. (7517 mm)	24 ft. (7311 mm)	24 ft. 6 in. (7463 mm)
Loader clearance circle, bucket in carry position	38 ft. 3 in. (11 649 mm)	38 ft. 6 in. (11 731 mm)	38 ft. 2 in. (11 630 mm)	38 ft. 5 in. (11 708 mm)
Operating weight	26,552 lb. (12 044 kg)	26,680 lb. (12 102 kg)	26,442 lb. (11 994 kg)	11,940 lb. (12 002 kg)

Loader operating information is based on machine with all standard equipment; 20.5-25, 12 PR L2 tires; 1,122-lb. (509 kg) optional counterweight; ROPS cab; 175-lb. (79 kg) operator; and full fuel tank. This information is affected by tire size, ballast, and different attachments.

## TC54H Adjustments to Operating Weights with Quick-Coupler and Bucket

Adjustments to operating weights and tipping loads for 3.0 cu. yd. (2.3 m<sup>3</sup>) stockpiling and general-purpose bucket with bolt-on cutting edge

Add (+) or deduct (-) lb. (kg) as indicated for	Operating Weight	Tipping Load, Straight	Tipping Load, 40-Degree Full Turn, SAE
loaders with			
17.5-25, 12 PR L2 tires	- 661 lb. (- 300 kg)	- 399 lb. (- 181 kg)	- 346 lb. (- 157 kg)
17.5-25, 12 PR L3 tires	- 505 lb. (- 229 kg)	- 306 lb. (- 139 kg)	- 265 lb. (- 120 kg)
17.5-25, GP-2B L2 Goodyear Radial	- 403 lb. (- 183 kg)	- 245 lb. (- 111 kg)	- 212 lb. (- 96 kg)
17.5-25, XTLA L2 Michelin Radial	- 567 lb. (- 257 kg)	- 344 lb. (- 156 kg)	- 298 lb. (- 135 kg)
17.5-25, XHAT L3 Michelin Radial	- 392 lb. (- 178 kg)	- 238 lb. (- 108 kg)	- 205 lb. (- 93 kg)
20.5-25 12 PR L3 tires	+ 384 lb. (+ 174 kg)	+ 231 lb. (+ 105 kg)	+ 201 lb. (+ 91 kg)
20.5-25, GP-2B L2 Goodyear Radial	+ 412 lb. (+ 187 kg)	+ 249 lb. (+ 113 kg)	+ 216 lb. (+ 98 kg)
20.5-25, XTLA L2 Michelin Radial	+ 152 lb. (+ 69 kg)	+ 93 lb. (+ 42 kg)	+ 79 lb. (+ 36 kg)
20.5-25, XHAT L3 Michelin Radial	+ 472 lb. (+ 214 kg)	+ 287 lb. (+ 130 kg)	+ 247 lb. (+ 112 kg)
CaCl <sub>2</sub> in 20.5-25 rear tires*	+ 1,821 lb. (+ 826 kg)	+ 2,205 lb. (+ 1000 kg)	+ 1,905 lb. (+ 864 kg)
Optional counterweight removed*	- 1,122 lb. (- 509 kg)	- 2,185 lb. (- 991 kg)	- 1,795 lb. (- 814 kg)

\*Optional counterweight not to be used when CaCl<sub>2</sub> or other ballast is used in rear tires.

## TC62H Bucket Information with Quick-Coupler and Bucket

	Stockpiling and General Purpose w/Bolt-on Edge	Stockpiling and General Purpose w/Teeth and Segments	Excavating w/Bolt-on Edge	Excavating w/Teeth and Segments
Bucket Type/Size	w/Bolt-on Edge	w/Teeth and Segments	w/Bolt-on Edge	w/Teeth and Segments
Capacity, heaped SAE	3.5 cu. yd. (2.7 m <sup>3</sup> )	3.5 cu. yd. (2.7 m <sup>3</sup> )	3.0 cu. yd. (2.3 m <sup>3</sup> )	3.0 cu. yd. (2.3 m <sup>3</sup> )
Capacity, struck SAE	3.0 cu. yd. (2.3 m <sup>3</sup> )	3.0 cu. yd. (2.3 m <sup>3</sup> )	2.7 cu. yd. (2.1 m <sup>3</sup> )	2.7 cu. yd. (2.1 m <sup>3</sup> )
Bucket width	105.9 in. (2690 mm)	105.9 in. (2690 mm)	105.9 in. (2690 mm)	105.9 in. (2690 mm)
Breakout force, SAE J732C	27,091 lb. (12 289 kg)	27,091 lb. (12 289 kg)	27,965 lb. (12 685 kg)	27,965 lb. (12 685 kg)
Tipping load, straight	21,506 lb. (9755 kg)	21,343 lb. (9681 kg)	21,775 lb. (9877 kg)	19,634 lb. (8906 kg)
Tipping load, 40-degree full turn, SAE	18,106 lb. (8213 kg)	17,948 lb. (8141 kg)	18,378 lb. (8336 kg)	18,225 lb. (8267 kg)
Reach, 45-degree dump, 7-ft. (2.13 m) clearance	70.6 in. (1793 mm)	72.7 in. (1848 mm)	70.1 in. (1781 mm)	72.3 in. (1837 mm)
▲▲ Reach, 45-degree dump, full height	50.3 in. (1278 mm)	54.5 in. (1385 mm)	49.6 in. (1259 mm)	53.8 in. (1366 mm)
▲ Dump clearance, 45 degree, full height	114.4 in. (2907 mm)	107.5 in. (2729 mm)	115.1 in. (2923 mm)	110.8 in. (2813 mm)
▲▲▲ Overall length, bucket on ground	25 ft. 2 in. (7671 mm)	25 ft. 8 in. (7823 mm)	25 ft. 1 in. (7647 mm)	25 ft. 7 in. (7799 mm)
Loader clearance circle, bucket in carry position	39 ft. 4 in. (11 979 mm)	39 ft. 7 in. (12 061 mm)	39 ft. 3 in. (11 968 mm)	39 ft. 6 in. (12 049 mm)
Operating weight	30,532 lb. (13 849 kg)	30,662 lb. (13 908 kg)	30,291 lb. (13 740 kg)	30,419 lb. (13 798 kg)

Loader operating information is based on machine with all standard equipment; 20.5-25, 12 PR L2 tires; 1,045-lb. (474 kg) optional counterweight; ROPS cab; 175-lb. (79 kg) operator; and full fuel tank. This information is affected by tire size, ballast, and different attachments.

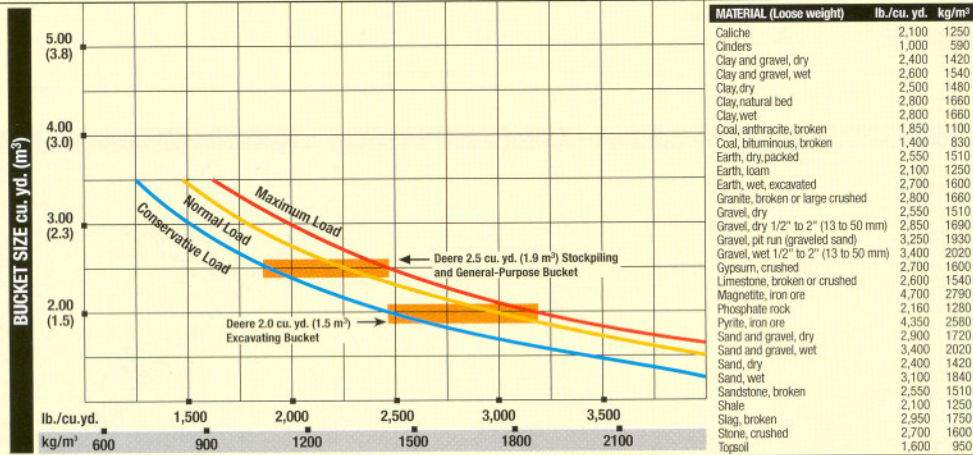
## TC62H Adjustments to Operating Weights with Quick-Coupler and Bucket

### Adjustments to operating weights and tipping loads for 3.5 cu. yd. (2.7 m<sup>3</sup>) material-handling bucket with bolt-on cutting edge

Add (+) or deduct (-) lb. (kg) as indicated for loaders with	Operating Weight	Tipping Load, Straight	Tipping Load, 40-Degree Full Turn, SAE
17.5-25, 12 PR L2 tires	- 547 lb. (- 248 kg)	- 348 lb. (- 158 kg)	- 302 lb. (- 137 kg)
17.5-25, 12 PR L3 tires	- 392 lb. (- 178 kg)	- 249 lb. (- 113 kg)	- 216 lb. (- 98 kg)
17.5-25, GP-2B L2 Goodyear Radial	- 291 lb. (- 132 kg)	- 185 lb. (- 84 kg)	- 161 lb. (- 73 kg)
17.5-25, XTLA L2 Michelin Radial	- 454 lb. (- 206 kg)	- 289 lb. (- 131 kg)	- 249 lb. (- 113 kg)
17.5-25, XHAT L3 Michelin Radial	- 280 lb. (- 127 kg)	- 179 lb. (- 81 kg)	- 154 lb. (- 70 kg)
20.5-25 12 PR L3 tires	+ 384 lb. (+ 174 kg)	+ 245 lb. (+ 111 kg)	+ 212 lb. (+ 96 kg)
20.5-25, GP-2B L2 Goodyear Radial	+ 412 lb. (+ 187 kg)	+ 262 lb. (+ 119 kg)	+ 227 lb. (+ 103 kg)
20.5-25, XTLA L2 Michelin Radial	+ 152 lb. (+ 69 kg)	+ 97 lb. (+ 44 kg)	+ 84 lb. (+ 38 kg)
20.5-25, XHAT L3 Michelin Radial	+ 472 lb. (+ 214 kg)	+ 300 lb. (+ 136 kg)	+ 260 lb. (+ 118 kg)
CaCl <sub>2</sub> in 20.5-25 rear tires*	+ 1,821 lb. (+ 826 kg)	+ 2,317 lb. (+ 1051 kg)	+ 2,002 lb. (+ 908 kg)
Optional counterweight removed	- 1,045 lb. (- 474 kg)	- 2,174 lb. (- 986 kg)	- 1,781 lb. (- 808 kg)

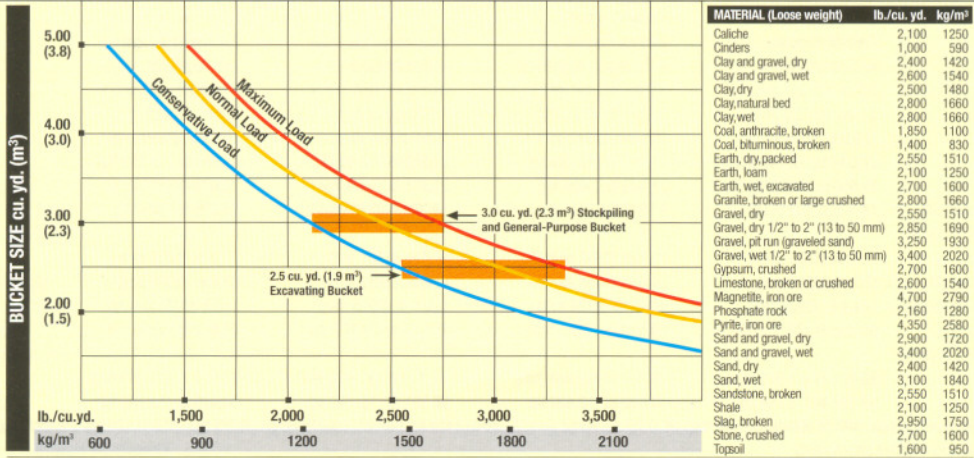
\*Optional counterweight not to be used when CaCl<sub>2</sub> or other ballast is used in rear tires.

## TC44H Bucket Selection Guide\*



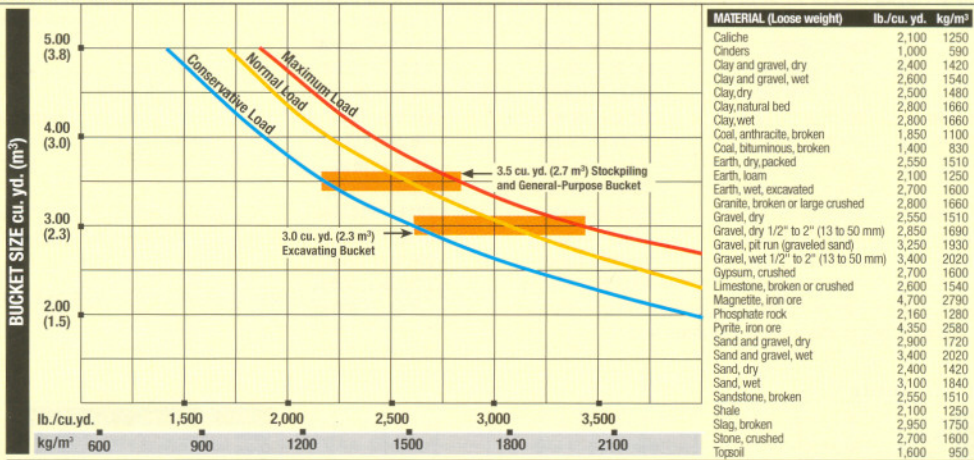
\*This guide, representing bucket sizes not necessarily manufactured by Deere, will help you in selecting proper bucket size for material density, loader configuration, and operating conditions. Optimum bucket size is determined after adding or subtracting all tipping load changes due to optional equipment. The "conservative load" line on this guide is recommended when operating in conditions such as soft ground and uneven surfaces. The "maximum load" condition on this guide is sometimes utilized when operating on firm ground and level surfaces.

## TC54H Bucket Selection Guide\*

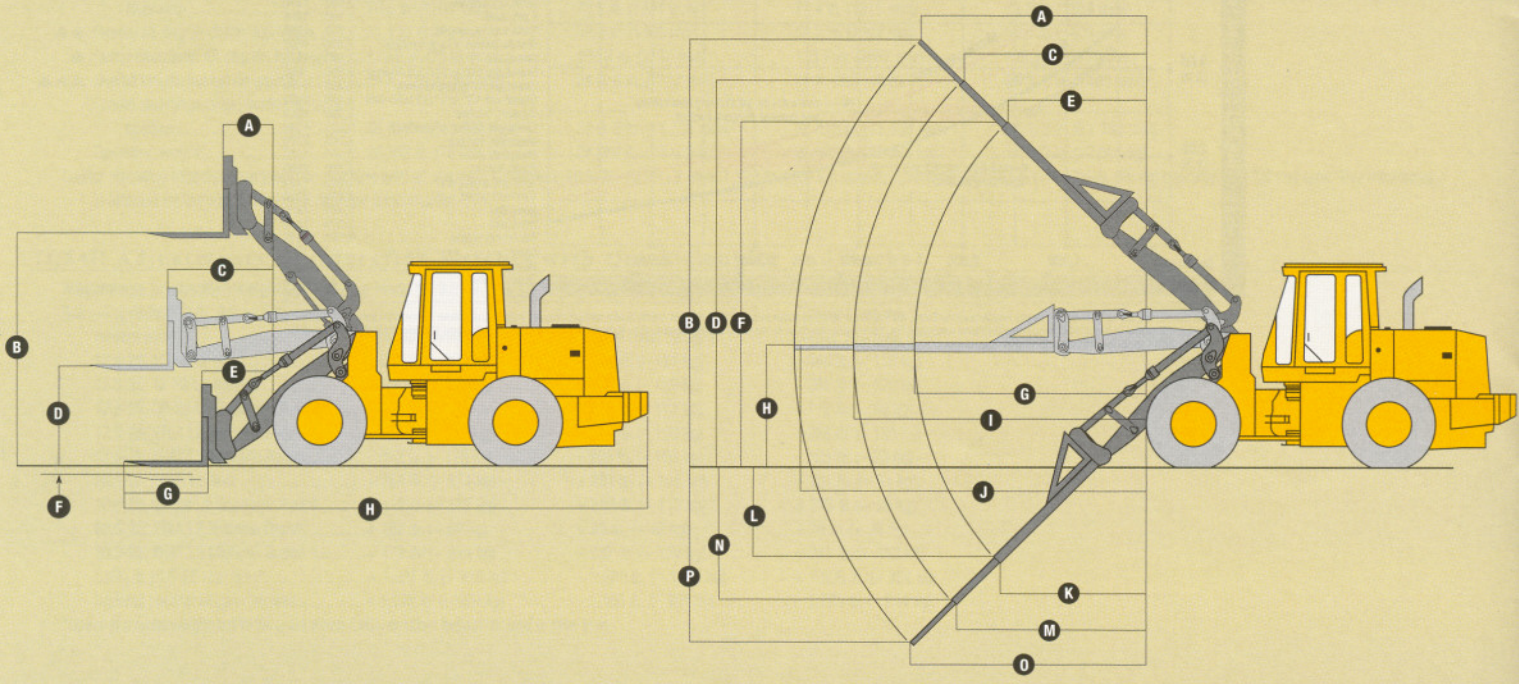


\* This guide, representing bucket sizes not necessarily manufactured by Deere, will help you in selecting proper bucket size for material density, loader configuration, and operating conditions. Optimum bucket size is determined after adding or subtracting all tipping load changes due to optional equipment. The "conservative load" line on this guide is recommended when operating in conditions such as soft ground and uneven surfaces. The "maximum load" condition on this guide is sometimes utilized when operating on firm ground and level surfaces.

## TC62H Bucket Selection Guide\*



\* This guide, representing bucket sizes not necessarily manufactured by Deere, will help you in selecting proper bucket size for material density, loader configuration, and operating conditions. Optimum bucket size is determined after adding or subtracting all tipping load changes due to optional equipment. The "conservative load" line on this guide is recommended when operating in conditions such as soft ground and uneven surfaces. The "maximum load" condition on this guide is sometimes utilized when operating on firm ground and level surfaces.



**Dimensions/**

<b>Operating Information</b>	<b>TC44H</b>	<b>TC54H</b>	<b>TC62H</b>
<b>PALLET FORK*</b>			
<b>A</b> Reach, fully raised.....	2 ft. 11 in. (883 mm)	3 ft. (902 mm)	2 ft. 10 in. (859 mm)
<b>B</b> Fork height, fully raised.....	11 ft. 5 in. (3490 mm)	12 ft. 4 in. (3747 mm)	12 ft. 6 in. (3821 mm)
<b>C</b> Maximum reach, fork level.....	5 ft. 5 in. (1662 mm)	5 ft. 5 in. (1655 mm)	5 ft. 4 in. (1617 mm)
<b>D</b> Fork height, maximum reach.....	5 ft. 6 in. (1675 mm)	6 ft. 2 in. (1884 mm)	6 ft. 3 in. (1907 mm)
<b>E</b> Reach, ground level.....	3 ft. 6 in. (1075 mm)	3 ft. 1 in. (941 mm)	3 ft. 0 in. (923 mm)
<b>F</b> Depth below ground.....	3.6 in. (92 mm)	1.0 in. (24 mm)	0 in. (4 mm)
<b>G</b> Tine length.....	▲ (see below)	▲ (see below)	▲ (see below)
<b>H</b> Overall length.....	▲▲ (see below)	▲▲ (see below)	▲▲ (see below)
<b>MATERIAL-HANDLING ARM*</b>			
<b>A</b> Reach, fully raised (extended).....	11 ft. 6 in. (3507 mm)	12 ft. (3663 mm)	12 ft. 1 in. (3688 mm)
<b>B</b> Height, fully raised (extended).....	22 ft. 7 in. (6887 mm)	22 ft. 11 in. (6983 mm)	23 ft. 1 in. (7033 mm)
<b>C</b> Reach, fully raised (mid-position).....	9 ft. 9 in. (2982 mm)	10 ft. 3 in. (3115 mm)	10 ft. 3 in. (3132 mm)
<b>D</b> Height, fully raised (mid-position).....	20 ft. 9 in. (6334 mm)	21 ft. 2 in. (6454 mm)	21 ft. 4 in. (6511 mm)
<b>E</b> Reach, fully raised (retracted).....	7 ft. 2 in. (2194 mm)	7 ft. 7 in. (2302 mm)	7 ft. 7 in. (2299 mm)
<b>F</b> Height, fully raised (retracted).....	18 ft. 1 in. (5506 mm)	18 ft. 7 in. (5667 mm)	18 ft. 10 in. (5728 mm)
<b>G</b> Maximum reach (retracted).....	12 ft. 4 in. (3749 mm)	12 ft. 4 in. (3762 mm)	12 ft. 2 in. (3716 mm)
<b>H</b> Height, maximum reach.....	6 ft. 1 in. (1853 mm)	6 ft. 7 in. (2006 mm)	6 ft. 8 in. (2030 mm)
<b>I</b> Maximum reach (mid-position).....	16 ft. 1 in. (4892 mm)	16 ft. 1 in. (4893 mm)	15 ft. 11 in. (4859 mm)
<b>J</b> Maximum reach (extended).....	18 ft. 7 in. (5654 mm)	18 ft. 7 in. (5655 mm)	18 ft. 5 in. (5621 mm)
<b>K</b> Reach, below ground (retracted).....	7 ft. 6 in. (2273 mm)	7 ft. 5 in. (2272 mm)	7 ft. 3 in. (2213 mm)
<b>L</b> Depth, below ground (retracted).....	5 ft. 7 in. (-1695 mm)	5 ft. 4 in. (-1636 mm)	5 ft. 4 in. (-1638 mm)
<b>M</b> Reach, below ground (mid-position).....	10 ft. 1 in. (3083 mm)	10 ft. 1 in. (3086 mm)	10 ft. 0 in. (3045 mm)
<b>N</b> Depth, below ground (mid-position).....	8 ft. 2 in. (-2501 mm)	7 ft. 11 in. (-2422 mm)	7 ft. 11 in. (-2422 mm)
<b>O</b> Reach, below ground (extended).....	11 ft. 11 in. (3623 mm)	11 ft. 11 in. (3635 mm)	11 ft. 10 in. (3600 mm)
<b>P</b> Depth, below ground (extended).....	10 ft. (-3039 mm)	9 ft. 8 in. (-2951 mm)	9 ft. 8 in. (-2944 mm)

\*Allied attachments ordered through John Deere dealers.

**TC44H Tool Carrier Information with Pallet Fork**

▲ Tine Length	48 in. (1220 mm)	54 in. (1370 mm)	60 in. (1525 mm)
▲▲ Overall length.....	24 ft. 2 in. (7368 mm)	24 ft. 5 in. (7446 mm)	24 ft. 11 in. (7599 mm)
Tipping load, straight (fork level, load centered on tine).....	10,333 lb. (4687 kg)	10,016 lb. (4543 kg)	9,714 lb. (4406 kg)
Tipping load, 40-degree full turn (fork level, load centered on tine).....	8,748 lb. (3968 kg)	8,437 lb. (3827 kg)	8,139 lb. (3692 kg)
Operating weight.....	21,860 lb. (9916 kg)	21,914 lb. (9940 kg)	21,964 lb. (9963 kg)

**TC54H Tool Carrier Information with Pallet Fork**

▲ Tine Length	48 in. (1220 mm)	54 in. (1370 mm)	60 in. (1525 mm)
▲▲ Overall length.....	24 ft. 11 in. (7585 mm)	25 ft. 5 in. (7737 mm)	25 ft. 11 in. (7889 mm)
Tipping load, straight (fork level, load centered on tine).....	13,404 lb. (6080 kg)	13,016 lb. (5904 kg)	12,648 lb. (5737 kg)
Tipping load, 40-degree full turn (fork level, load centered on tine).....	11,332 lb. (5140 kg)	10,953 lb. (4968 kg)	10,591 lb. (4804 kg)
Operating weight.....	25,739 lb. (11 675 kg)	25,792 lb. (11 699 kg)	25,845 lb. (11 723 kg)

**TC62H Tool Carrier Information with Pallet Fork**

▲ Tine Length	48 in. (1220 mm)	54 in. (1370 mm)	60 in. (1525 mm)
▲▲ Overall length.....	25 ft. 11 in. (7889 mm)	26 ft. 7 in. (8042 mm)	26 ft. 11 in. (8194 mm)
Tipping load, straight (fork level, load centered on tine).....	16,636 lb. (7546 kg)	16,166 lb. (7333 kg)	15,717 lb. (7129 kg)
Tipping load, 40-degree full turn (fork level, load centered on tine).....	14,092 lb. (6392 kg)	13,631 lb. (6183 kg)	13,192 lb. (5984 kg)
Operating weight.....	29,456 lb. (13 361 kg)	29,509 lb. (13 385 kg)	29,561 lb. (13 409 kg)

**TC44H Tool Carrier Information with Material-Handling Arm**

Boom Position	Retracted	Mid-position	Extended
Operating load.....	2,902 lb. (1316 kg)	2,262 lb. (1026 kg)	1,960 lb. (890 kg)
Tipping load, straight.....	6,860 lb. (3112 kg)	5,360 lb. (2431 kg)	4,660 lb. (2113 kg)
Tipping load, 40-degree full turn.....	5,805 lb. (2633 kg)	4,525 lb. (2052 kg)	3,920 lb. (1779 kg)
Operating weight.....	21,460 lb. (9734 kg)	21,460 lb. (9734 kg)	21,460 lb. (9734 kg)

**TC54H Tool Carrier Information with Material-Handling Arm**

Boom Position	Retracted	Mid-position	Extended
Operating load.....	3,768 lb. (1709 kg)	2,965 lb. (1345 kg)	2,582 lb. (1171 kg)
Tipping load, straight.....	8,920 lb. (4046 kg)	7,033 lb. (3190 kg)	6,133 lb. (2783 kg)
Tipping load, 40-degree full turn.....	7,527 lb. (3419 kg)	5,928 lb. (2689 kg)	5,163 lb. (2342 kg)
Operating weight.....	25,353 lb. (11 500 kg)	25,353 lb. (11 500 kg)	25,353 lb. (11 500 kg)

**TC62H Tool Carrier Information with Material-Handling Arm**

Boom Position	Retracted	Mid-position	Extended
Operating load.....	4,672 lb. (2119 kg)	3,671 lb. (1665 kg)	3,203 lb. (1453 kg)
Tipping load, straight.....	11,036 lb. (5006 kg)	8,688 lb. (3941 kg)	7,588 lb. (3442 kg)
Tipping load, 40-degree full turn.....	9,343 lb. (4238 kg)	7,341 lb. (3330 kg)	6,404 lb. (2905 kg)
Operating weight.....	29,074 lb. (13 188 kg)	29,074 lb. (13 188 kg)	29,074 lb. (13 188 kg)