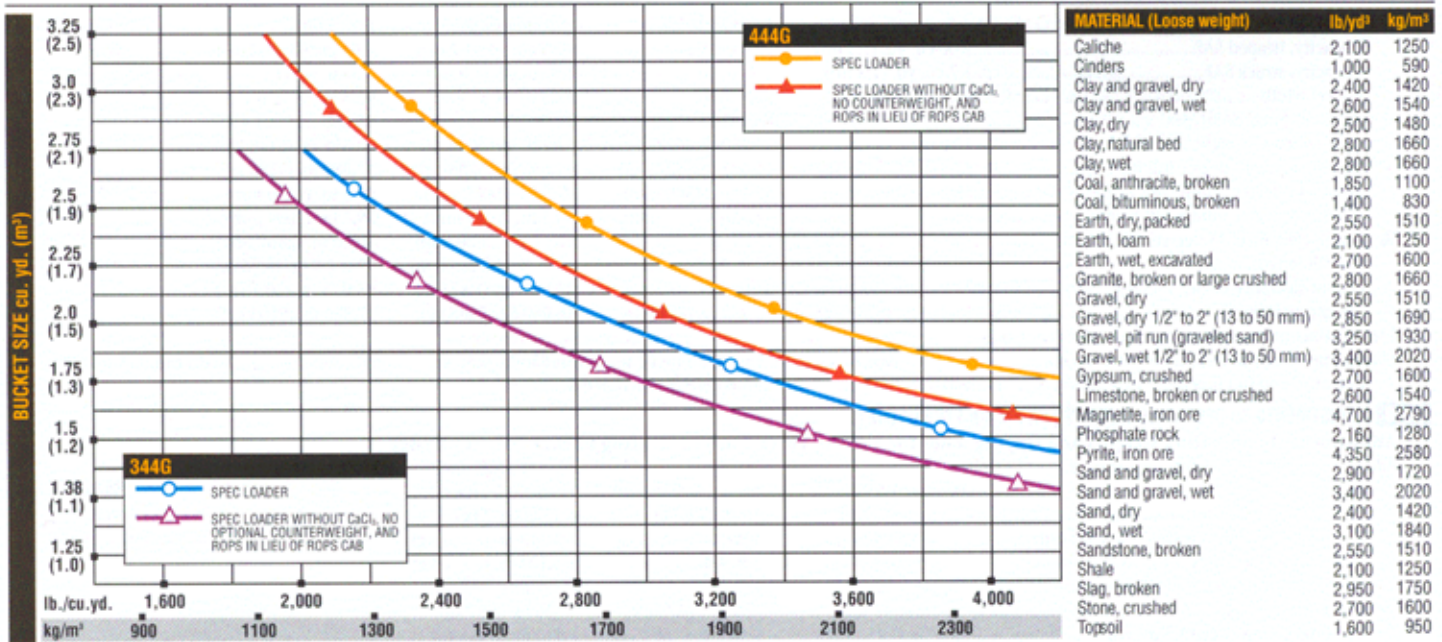


## 344G AND 444G BUCKET SELECTION GUIDE\*



\*This guide, representing bucket sizes not necessarily manufactured by Deere, will help you in selecting proper bucket size for material density and loader configuration. Optimum bucket size is determined after adding or subtracting all the tipping load changes due to optional equipment.

### DIMENSIONS WITH TOOL CARRIER

**344G**

**444G**

#### BUCKET

- A** Maximum bucket angle .....56 degrees
- B** Dump height .....▲
- C** Height to hinge pin, fully raised .....11 ft. 2 in. (3.40 m)
- D** Digging depth .....3 in. (75 mm)

- 57.5 degrees
- ▲
- 11 ft. 7 in. (3.53 m)
- 3.35 in. (85 mm)

#### FORK

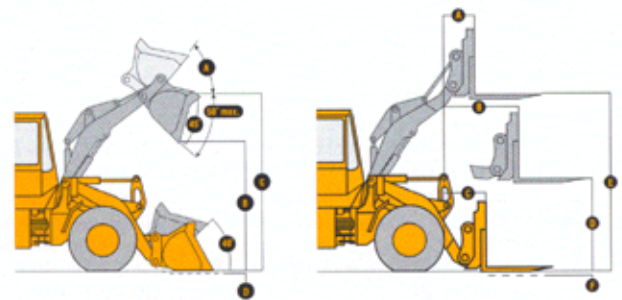
- A** Reach, fully raised .....2 ft. 0 in. (610 mm)
- B** Maximum reach, fork level .....4 ft. 6.3 in. (1379 mm)
- C** Reach, ground level .....2 ft. 7.8 in. (808 mm)
- D** Fork height, maximum reach .....5 ft. 1.7 in. (1567 mm)
- E** Fork height, fully raised .....10 ft. 9.3 in. (3284 mm)
- F** Digging depth .....1.6 in. (41 mm)

- 2 ft. 1.2 in. (641 mm)
- 4 ft. 7.9 in. (1421 mm)
- 2 ft. 8.4 in. (824 mm)
- 5 ft. 4 in. (1625 mm)
- 11 ft. 1.3 in. (3387 mm)
- 1.5 in. (37 mm)

#### MATERIAL-HANDLING ARM

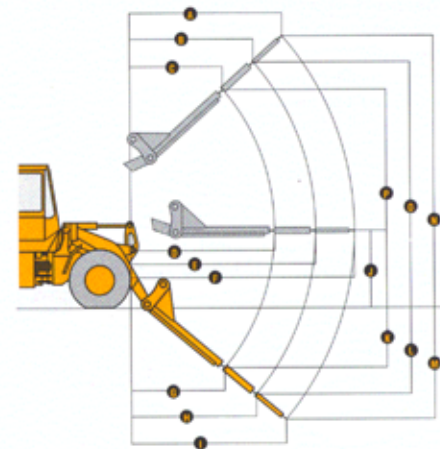
- A** Reach, fully raised (extended) .....10 ft. 6.6 in. (3216 mm)
- B** Reach, fully raised (mid-position) .....8 ft. 9.4 in. (2677 mm)
- C** Reach, fully raised (retracted) .....6 ft. 1.8 in. (1875 mm)
- D** Maximum reach (retracted) .....11 ft. 2.5 in. (3416 mm)
- E** Maximum reach (mid-position) .....14 ft. 11.5 in. (4559 mm)
- F** Maximum reach (extended) .....17 ft. 5.5 in. (5321 mm)
- G** Reach, below ground (retracted) .....7 ft. 3.3 in. (2217 mm)
- H** Reach, below ground (mid-position) .....9 ft. 7.9 in. (2944 mm)
- I** Reach, below ground (extended) .....11 ft. 5.4 in. (3490 mm)
- J** Height, maximum reach .....5 ft. 9.2 in. (1758 mm)
- K** Depth, below ground (retracted) .....5 ft. 1.5 in. (1562 mm)
- L** Depth, below ground (mid-position) .....7 ft. 9.1 in. (2365 mm)
- M** Depth, below ground (extended) .....9 ft. 6.1 in. (2898 mm)
- N** Height, fully raised (extended) .....21 ft. 5.1 in. (6530 mm)
- O** Height, fully raised (mid-position) .....19 ft. 7.8 in. (5989 mm)
- P** Height, fully raised (retracted) .....16 ft. 11.9 in. (5179 mm)

▲ See Bucket Information, page 15.



**344G / 444G LOADER WITH TOOL CARRIER AND BUCKET\***

**344G / 444G LOADER WITH TOOL CARRIER AND PALLET FORK\***



**344G / 444G LOADER WITH TOOL CARRIER AND MATERIAL-HANDLING ARM\***

\*Allied attachments ordered through John Deere dealers.

**3446 TOOL CARRIER INFORMATION (COUPLER AND BUCKET)**

Bucket Type/Size	General Purpose	General Purpose	General Purpose	General Purpose
Capacity, heaped SAE	1.5 cu. yd. (1.2 m <sup>3</sup> )	1.75 cu. yd. (1.4 m <sup>3</sup> )	2.0 cu. yd. (1.5 m <sup>3</sup> )	2.25 cu. yd. (1.7 m <sup>3</sup> )
Capacity, struck SAE	1.2 cu. yd. (0.92 m <sup>3</sup> )	1.53 cu. yd. (1.17 m <sup>3</sup> )	1.8 cu. yd. (1.38 m <sup>3</sup> )	1.91 cu. yd. (1.46 m <sup>3</sup> )
Bucket width	95.3 in. (2.42 m)	95.3 in. (2.42 m)	95.3 in. (2.42 m)	95.3 in. (2.42 m)
Breakout force, SAE J732C	15,682 lb. (69.8 kN)	14,248 lb. (63.4 kN)	14,225 lb. (63.3 kN)	12,535 lb. (55.8 kN)
Tipping load, straight	13,375 lb. (59.5 kg)	12,785 lb. (57.4 kg)	12,785 lb. (56.9 kg)	12,605 lb. (56.1 kN)
Tipping load, 40-degree full turn, SAE	11,430 lb. (50.8 kg)	11,250 lb. (50.0 kg)	11,140 lb. (49.6 kg)	10,970 lb. (48.8 kg)
Reach, 45-degree dump, 7-ft. (2.13 m) clearance	57.2 in. (1453 mm)	58.5 in. (1486 mm)	58.5 in. (1486 mm)	60.2 in. (1529 mm)
Reach, 45-degree dump, full height	39.0 in. (991 mm)	41.3 in. (1049 mm)	41.3 in. (1049 mm)	44.8 in. (1138 mm)
▲ Dump clearance, 45 degree, full height	106.7 in. (2710 mm)	104.7 in. (2659 mm)	104.7 in. (2659 mm)	101.8 in. (2586 mm)
Overall length	19 ft 8.1 in. (6.00 m)	19 ft 11.1 in. (6.07 m)	19 ft 11.1 in. (6.07 m)	20 ft 5.8 in. (6.24 m)
Loader clearance circle, bucket in carry position	33 ft 7.3 in. (10.24 m)	33 ft 8.5 in. (10.27 m)	33 ft 8.5 in. (10.27 m)	34 ft 4.2 in. (10.47 m)
Operating weight	18,518 lb. (8400 kg)	18,608 lb. (8441 kg)	18,668 lb. (8468 kg)	18,728 lb. (8495 kg)

Loader operating information is based on machine with all standard equipment, 15.5-25, 8 PR L2 tires, with 550-lb. (250 kg) optional counterweight, ROPS cab, 175-lb. (79 kg) operator, and full fuel tank.

**3446 ADJUSTMENTS TO OPERATING WEIGHTS FOR TOOL CARRIER WITH BUCKET**

Adjustments to operating weights and tipping loads for 1.63 cu. yd. (1.2 m<sup>3</sup>) general-purpose bucket and 48-in. (1219 mm) pallet fork

Add (+) or deduct (-) lb. (kg) as indicated for loaders with	Operating Weight	Tipping Load, Bucket, Straight	Tipping Load, Bucket, Full Turn	Tipping Load, Fork, Straight	Tipping Load, Fork, Full Turn
15.5-25, 10 PR L2 tires without CaCl <sub>2</sub>	+ 26 lb. (+ 12 kg)	+ 17 lb. (+ 8 kg)	+ 14 lb. (+ 6 kg)	+ 12 lb. (+ 5 kg)	+ 10 lb. (+ 5 kg)
15.5-25, 8 PR L2 tires with CaCl <sub>2</sub> (rear only)*	+ 939 lb. (+ 426 kg)	+ 1,211 lb. (+ 549 kg)	+ 1,057 lb. (+ 479 kg)	+ 832 lb. (+ 377 kg)	+ 723 lb. (+ 328 kg)
15.5-25, 10 PR L2 tires with CaCl <sub>2</sub> (rear only)*	+ 957 lb. (+ 434 kg)	+ 1,223 lb. (+ 555 kg)	+ 1,067 lb. (+ 484 kg)	+ 841 lb. (+ 381 kg)	+ 731 lb. (+ 332 kg)
ROPS canopy in lieu of ROPS cab	- 463 lb. (- 210 kg)	- 406 lb. (- 184 kg)	- 314 lb. (- 142 kg)	- 271 lb. (- 123 kg)	- 218 lb. (- 99 kg)
Optional counterweight removed	- 550 lb. (- 250 kg)	- 1,017 lb. (- 461 kg)	- 819 lb. (- 371 kg)	- 696 lb. (- 316 kg)	- 555 lb. (- 252 kg)

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

**3446 TOOL CARRIER INFORMATION (COUPLER AND FORKS)**

Tine Length	48 in. (1219 mm)	54 in. (1372 mm)	60 in. (1524 mm)
Ground to top of tine clearance	10 ft. 9.3 in. (3284 mm)	10 ft. 9.3 in. (3284 mm)	10 ft. 9.3 in. (3284 mm)
Maximum reach with fork level	4 ft. 6.3 in. (1379 mm)	4 ft. 6.3 in. (1379 mm)	4 ft. 6.3 in. (1379 mm)
Overall length	22 ft. 0.9 in. (6728 mm)	22 ft. 6.9 in. (6881 mm)	23 ft. 0.9 in. (7033 mm)
Tipping load, straight (fork level, load centered on tine)	8,770 lb. (3978 kg)	8,502 lb. (3856 kg)	8,245 lb. (3740 kg)
Tipping load, 40-degree full turn (fork level, load centered on tine)	7,788 lb. (3533 kg)	7,545 lb. (3422 kg)	7,315 lb. (3318 kg)
Operating weight	18,412 lb. (8352 kg)	18,454 lb. (8371 kg)	18,493 lb. (8388 kg)

**3446 TOOL CARRIER INFORMATION (COUPLER AND MATERIAL-HANDLING ARM)**

Boom position	Retracted	Mid-position	Extended
Operating load	2,544 lb. (1154 kg)	1,979 lb. (898 kg)	1,717 lb. (779 kg)
Tipping load, straight	5,732 lb. (2600 kg)	4,463 lb. (2024 kg)	3,875 lb. (1758 kg)
Tipping load, 40-degree full turn	5,087 lb. (2307 kg)	3,958 lb. (1795 kg)	3,433 lb. (1557 kg)
Operating weight	18,218 lb. (8264 kg)	18,218 lb. (8264 kg)	18,218 lb. (8264 kg)

**4446 TOOL CARRIER INFORMATION (COUPLER AND BUCKET)**

Bucket Type/Size	General Purpose	General Purpose	General Purpose	General Purpose
Capacity, heaped SAE	1.5 cu. yd. (1.2 m <sup>3</sup> )	1.75 cu. yd. (1.4 m <sup>3</sup> )	2.0 cu. yd. (1.5 m <sup>3</sup> )	2.25 cu. yd. (1.7 m <sup>3</sup> )
Capacity, struck SAE	1.2 cu. yd. (0.92 m <sup>3</sup> )	1.53 cu. yd. (1.17 m <sup>3</sup> )	1.8 cu. yd. (1.38 m <sup>3</sup> )	1.91 cu. yd. (1.46 m <sup>3</sup> )
Bucket width	95.3 in. (2.42 m)	95.3 in. (2.42 m)	95.3 in. (2.42 m)	95.3 in. (2.42 m)
Breakout force, SAE J732C	20,230 lb. (90.0 kN)	18,380 lb. (81.8 kN)	18,350 lb. (81.6 kN)	16,170 lb. (71.9 kN)
Tipping load, straight	16,670 lb. (7560 kg)	16,210 lb. (7350 kg)	16,080 lb. (7295 kg)	15,900 lb. (7210 kN)
Tipping load, 40-degree full turn, SAE	13,750 lb. (6235 kg)	13,570 lb. (6155 kg)	13,460 lb. (6105 kg)	13,290 lb. (6030 kg)
Reach, 45-degree dump, 7-ft. (2.13 m) clearance	58.0 in. (1473 mm)	59.3 in. (1506 mm)	59.3 in. (1506 mm)	61.0 in. (1549 mm)
Reach, 45-degree dump, full height	37.0 in. (940 mm)	39.3 in. (998 mm)	39.3 in. (998 mm)	42.8 in. (1087 mm)
▲ Dump clearance, 45 degree, full height	111.1 in. (2822 mm)	109.1 in. (2771 mm)	109.1 in. (2771 mm)	106.2 in. (2697 mm)
Overall length	20 ft 8.2 in. (6.30 m)	20 ft 11.2 in. (6.38 m)	20 ft 11.2 in. (6.38 m)	21 ft 5.9 in. (6.55 m)
Loader clearance circle, bucket in carry position	34 ft 5.8 in. (10.51 m)	34 ft 7 in. (10.55 m)	34 ft 7 in. (10.55 m)	35 ft 2.7 in. (10.74 m)
Operating weight	20,945 lb. (9501 kg)	21,035 lb. (9541 kg)	21,095 lb. (9569 kg)	21,155 lb. (9596 kg)

Loader operating information is based on machine with all standard equipment, 17.5-25, 12 PR L2 tires, with 660-lb. (300 kg) optional counterweight, ROPS cab, 175-lb. (79 kg) operator, and full fuel tank.

**4446 ADJUSTMENTS TO OPERATING WEIGHTS FOR TOOL CARRIER WITH BUCKET**

Adjustments to operating weights and tipping loads for 1.75 cu. yd. (1.4 m<sup>3</sup>) general-purpose bucket and 48-in. (1219 mm) pallet fork

Add (+) or deduct (-) lb. (kg) as indicated for loaders with	Operating Weight	Tipping Load, Bucket, Straight	Tipping Load, Bucket, Full Turn	Tipping Load, Fork, Straight	Tipping Load, Fork, Full Turn
15.5-25, 10 PR L2 tires without CaCl <sub>2</sub>	- 150 lb. (- 68 kg)	- 95 lb. (- 43 kg)	- 82 lb. (- 37 kg)	- 65 lb. (- 29 kg)	- 26 lb. (- 12 kg)
15.5-25, 10 PR L2 tires with CaCl <sub>2</sub> (rear only)*	+ 790 lb. (+ 358 kg)	+ 1,128 lb. (+ 512 kg)	+ 969 lb. (+ 440 kg)	+ 763 lb. (+ 346 kg)	+ 666 lb. (+ 302 kg)
17.5-25, 10 PR L3 tires without CaCl <sub>2</sub>	+ 238 lb. (+ 108 kg)	+ 155 lb. (+ 70 kg)	+ 132 lb. (+ 60 kg)	+ 105 lb. (+ 48 kg)	+ 92 lb. (+ 42 kg)
17.5-25, 10 PR L3 tires with CaCl <sub>2</sub> (rear only)*	+ 1,418 lb. (+ 643 kg)	+ 1,696 lb. (+ 769 kg)	+ 1,456 lb. (+ 660 kg)	+ 1,136 lb. (+ 515 kg)	+ 989 lb. (+ 449 kg)
17.5-25, 12 PR L2 tires with CaCl <sub>2</sub> (rear only)*	+ 1,180 lb. (+ 535 kg)	+ 1,541 lb. (+ 699 kg)	+ 1,322 lb. (+ 600 kg)	+ 1,042 lb. (+ 473 kg)	+ 911 lb. (+ 413 kg)
ROPS canopy in lieu of ROPS cab	- 463 lb. (- 210 kg)	- 405 lb. (- 184 kg)	- 314 lb. (- 142 kg)	- 272 lb. (- 123 kg)	- 217 lb. (- 98 kg)
Optional counterweight removed	- 660 lb. (- 300 kg)	- 1,224 lb. (- 555 kg)	- 989 lb. (- 449 kg)	- 830 lb. (- 376 kg)	- 671 lb. (- 304 kg)

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

**4446 TOOL CARRIER INFORMATION (COUPLER AND FORKS)**

Tine Length	48 in. (1219 mm)	54 in. (1372 mm)	60 in. (1524 mm)
Ground to top of tine clearance	11 ft. 1.3 in. (3387 mm)	11 ft. 1.3 in. (3387 mm)	11 ft. 1.3 in. (3387 mm)
Maximum reach with fork level	4 ft. 7.9 in. (1421 mm)	4 ft. 7.9 in. (1421 mm)	4 ft. 7.9 in. (1421 mm)
Overall length	23 ft. 1.0 in. (7047 mm)	23 ft. 7.0 in. (7199 mm)	24 ft. 1.0 in. (7352 mm)
Tipping load, straight (fork level, load centered on tine)	10,930 lb. (4958 kg)	10,596 lb. (4806 kg)	10,276 lb. (4661 kg)
Tipping load, 40-degree full turn (fork level, load centered on tine)	9,369 lb. (4250 kg)	9,076 lb. (4117 kg)	8,800 lb. (3992 kg)
Operating weight	20,839 lb. (9453 kg)	20,881 lb. (9472 kg)	20,920 lb. (9489 kg)

**4446 TOOL CARRIER INFORMATION (COUPLER AND MATERIAL-HANDLING ARM)**

Boom position	Retracted	Mid-position	Extended
Operating load	3,060 lb. (1388 kg)	2,381 lb. (1,080 kg)	2,065 lb. (937 kg)
Tipping load, straight	7,144 lb. (3240 kg)	5,562 lb. (2523 kg)	4,829 lb. (2190 kg)
Tipping load, 40-degree full turn	6,120 lb. (2776 kg)	4,762 lb. (2160 kg)	4,130 lb. (1873 kg)
Operating weight	20,645 lb. (9365 kg)	20,645 lb. (9365 kg)	20,645 lb. (9365 kg)