

WORKING RANGE

NBT40-2 and NBT45-2 (127)

 127 ft
(38,7 m)

 31 ft - 55 ft
(9,45 m - 16,76 m)

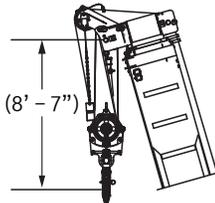
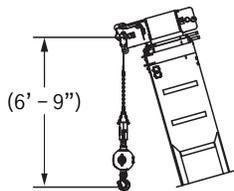
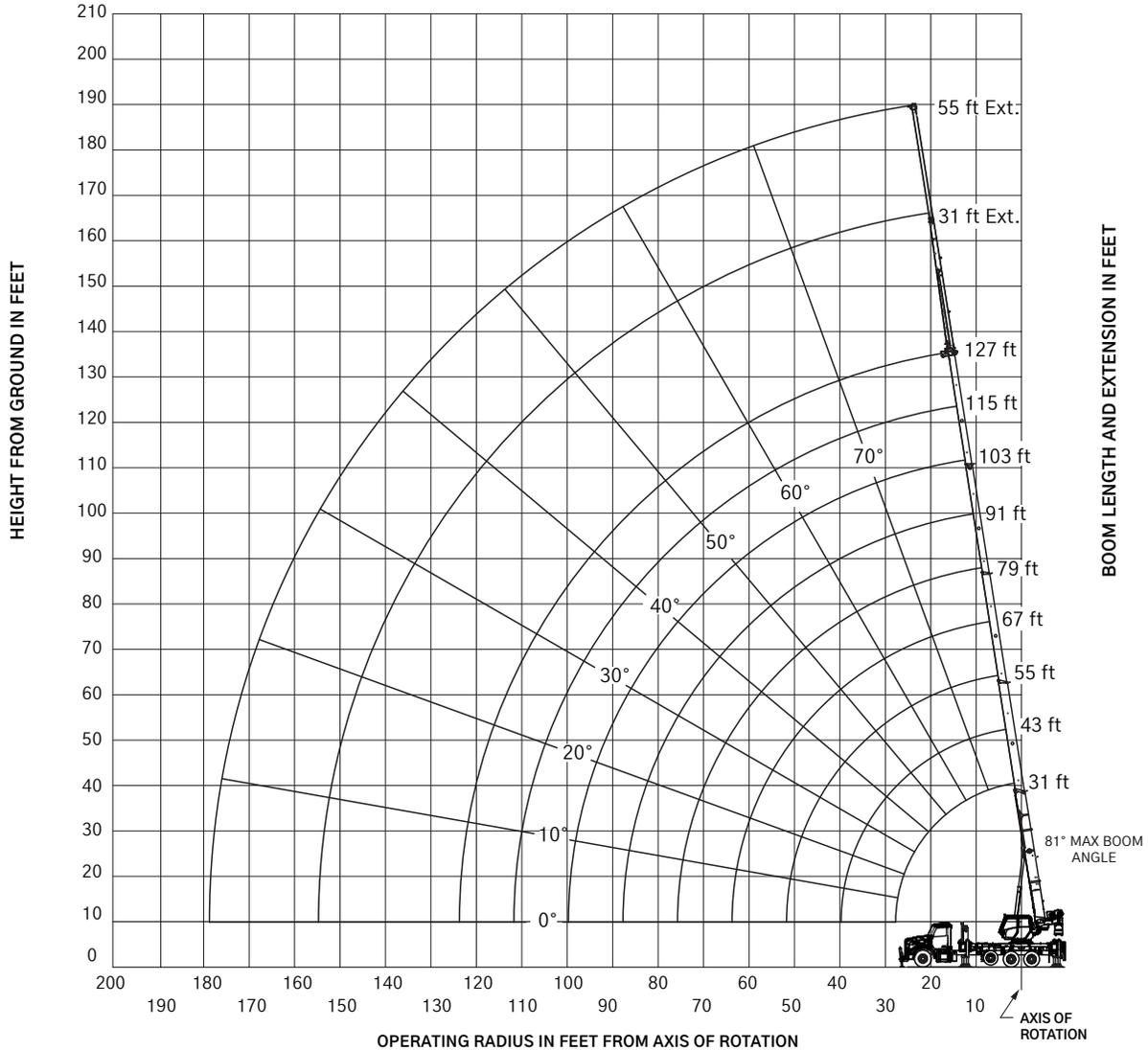
 24.7 ft
(7,52 m)

 360°



Pounds

BOOM DEFLECTION NOT SHOWN



DIMENSIONS ARE FOR LARGEST FURNISHED HOOK BLOCK & HEADACHE BALL, WITH ANTI-TWO BLOCK ACTIVATED.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

NBT40127-2



31 ft – 127 ft
(9,4 m – 38,7 m)



800 lb
(363 kg)



100%



360°



Pounds

Radius in Feet	Main Boom Length in Feet								
	31	43-A	55-B	67-C	79-D	91-E	103-F	115-G	127
6	80,000 (74.6)	41,800 (79.4)	—	—	—	—	—	—	—
8	80,000 (70.8)	41,800 (76.6)	41,800 (80)	—	—	—	—	—	—
10	70,700 (66.8)	41,800 (73.9)	41,800 (77.9)	37,500 (80.6)	—	—	—	—	—
12	62,600 (62.7)	41,800 (71.1)	41,050 (75.8)	36,450 (78.9)	29,900 (81)	—	—	—	—
15	51,350 (56.1)	41,800 (66.8)	38,350 (72.6)	33,200 (76.3)	29,300 (78.8)	22,950 (80.8)	—	—	—
20	35,650 (43.3)	36,750 (59.2)	34,500 (67.1)	28,900 (72)	25,850 (75.3)	20,750 (77.7)	18,050 (79.6)	—	—
25	26,450 (25.3)	27,550 (50.7)	27,750 (61.4)	25,600 (67.5)	22,850 (71.6)	18,650 (74.6)	16,750 (76.9)	14,500 (78.8)	10,900 (80.3)
30	—	21,500 (40.7)	21,750 (55)	22,350 (62.8)	20,500 (67.8)	16,600 (71.4)	14,950 (74.2)	13,350 (76.4)	10,900 (78.2)
35	—	17,200 (27.4)	17,450 (48)	18,050 (57.7)	18,250 (63.9)	14,850 (68.2)	13,400 (71.4)	12,050 (73.9)	10,350 (76)
40	—	—	14,050 (39.7)	14,350 (52.3)	15,000 (59.7)	13,400 (64.8)	12,050 (68.5)	10,950 (71.4)	9,750 (73.8)
45	—	—	11,000 (29.3)	11,350 (46.1)	11,700 (55.3)	11,800 (61.2)	10,950 (65.6)	9,960 (68.9)	9,080 (71.6)
50	—	—	8,770 (13.1)	9,160 (39.3)	9,400 (50.4)	9,530 (57.4)	9,910 (62.5)	9,080 (66.3)	8,310 (69.3)
55	—	—	—	7,460 (30.7)	7,700 (45)	7,820 (53.4)	8,230 (59.2)	8,080 (63.6)	7,620 (67)
60	—	—	—	6,110 (18.9)	6,390 (39)	6,500 (49)	6,870 (55.8)	6,740 (60.6)	6,730 (64.7)
65	—	—	—	—	5,350 (31.6)	5,430 (44.2)	5,750 (52.1)	5,650 (57.6)	5,680 (62.1)
70	—	—	—	—	4,510 (22.2)	4,560 (38.9)	4,810 (48)	4,730 (54.4)	4,790 (59.3)
75	—	—	—	—	3,750 (5.1)	3,690 (32.4)	4,010 (43.6)	3,960 (50.9)	4,030 (56.5)
80	—	—	—	—	—	3,030 (24.5)	3,300 (38.8)	3,300 (47.2)	3,380 (53.5)
85	—	—	—	—	—	2,440 (13.4)	2,650 (33)	2,710 (43.2)	2,770 (50.2)
90	—	—	—	—	—	—	2,080 (26.1)	2,150 (38.9)	2,200 (46.8)
95	—	—	—	—	—	—	1,570 (17.3)	1,650 (33.6)	1,700 (43.1)
100	—	—	—	—	—	—	—	1,200 (27.4)	1,260 (39.1)
105	—	—	—	—	—	—	—	800 (20)	870 (34.3)
110	—	—	—	—	—	—	—	—	510 (28.8)
Min. boom angle for indicated length (no load)								19°	27.8°
Max. boom length at 0° boom angle (no load)								103 ft	

NOTE: () Boom angles are in degrees.

Boom Angle	Main Boom Length in Feet								
	31	43	55	67	79	91	103	115	127
0°	14,150 (30.5)	8,720 (43.2)	5,360 (57.2)	3,390 (70.2)	1,840 (84.2)	940 (97.2)	—	—	—

NOTE: () Reference radii in feet.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

NBT40127-2



31 ft
(9,4 m)



800 lb
(363 kg)



100%



360°



Pounds

Radius in Feet	Main Boom Length in Feet		
	103	115	127
25	7,860 (80.1)	—	—
30	7,710 (78.1)	6,530 (79.5)	4,870 (80.8)
35	7,300 (76.1)	6,520 (77.7)	4,850 (79.2)
40	6,540 (74.1)	6,370 (75.9)	4,820 (77.5)
45	5,910 (72)	5,770 (74)	4,800 (75.8)
50	5,360 (69.9)	5,260 (72.1)	4,760 (74.1)
55	4,890 (67.7)	4,810 (70.2)	4,540 (72.3)
60	4,490 (65.5)	4,410 (68.2)	4,210 (70.6)
65	4,130 (63.2)	4,070 (66.2)	3,890 (68.8)
70	3,810 (60.6)	3,760 (64.2)	3,610 (66.9)
75	3,530 (58)	3,480 (61.9)	3,350 (65.1)
80	3,150 (55.2)	3,010 (59.6)	2,730 (63)
85	2,570 (52.2)	2,430 (57.1)	2,160 (60.9)
90	2,070 (49.2)	1,930 (54.4)	1,670 (58.6)
95	1,630 (46)	1,500 (51.6)	1,230 (56.2)
100	1,240 (42.6)	1,110 (48.7)	840 (53.7)
105	890 (39)	760 (45.7)	500 (51.1)
110	580 (34.6)	—	—
Min. boom angle for indicated length (no load)	33.6°	44.7°	50.1°
Max. boom length at 0° boom angle (no load)	43 ft	43 ft	43 ft

Boom extension capacity notes:

- 31 ft and 55 ft extension lengths may be used for single line lifting service.
- Radii listed are for a fully extended boom with the boom extension erected. For main boom lengths less than fully extended, the rated loads are determined by boom angle. For boom angles not shown, use the rating of the next lower angle.
Warning: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
- Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
- Capacities listed are with outriggers properly extended and vertical jacks set.
- When lifting over the main boom nose with 31 ft or 55 ft extension erected, the outriggers must be fully extended or 50% (17.5 ft) spread.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

NBT40127-2



55 ft
(16,76 m)



800 lb
(363 kg)



100%



360°



Pounds

Radius in Feet	Main Boom Length in Feet		
	103	115	127
30	4,040 (80.8)	—	—
35	3,630 (79.1)	3,520 (80.3)	—
40	3,270 (77.5)	3,370 (78.8)	2,520 (80)
45	2,960 (75.8)	3,080 (77.2)	2,520 (78.6)
50	2,690 (74)	2,810 (75.7)	2,520 (77.2)
55	2,460 (72.3)	2,580 (74.1)	2,510 (75.7)
60	2,270 (70.5)	2,390 (72.5)	2,480 (74.2)
65	2,100 (68.7)	2,210 (70.8)	2,310 (72.7)
70	1,950 (66.9)	2,060 (69.2)	2,160 (71.2)
75	1,820 (65)	1,920 (67.5)	2,020 (69.7)
80	1,700 (63)	1,800 (65.8)	1,890 (68.1)
85	1,590 (60.9)	1,690 (63.9)	1,780 (66.5)
90	1,500 (58.7)	1,600 (62)	1,680 (64.9)
95	1,410 (56.2)	1,510 (60)	1,590 (63.2)
100	1,330 (53.7)	1,420 (57.7)	1,510 (61.4)
105	1,260 (51.1)	1,350 (55.4)	1,220 (59.4)
110	1,190 (48.4)	1,180 (53)	900 (57.2)
115	1,070 (45.6)	900 (50.6)	620 (55)
120	810 (42.6)	640 (48)	—
125	570 (39.4)	—	—
Min. boom angle for indicated length (no load)	38.4°	47°	54°
Max. boom length at 0° boom angle (no load)	43 ft	43 ft	43 ft

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

NBT45127-2



31 ft – 127 ft
(9,4 m – 38,7 m)



4,000 lb
(1814 kg)



100%



360°



Pounds

Radius in Feet	Main Boom Length in Feet								
	31	43-A	55-B	67-C	79-D	91-E	103-F	115-G	127
6	90,000 (74.6)	41,800 (79.4)	—	—	—	—	—	—	—
8	81,350 (70.8)	41,800 (76.6)	41,800 (80)	—	—	—	—	—	—
10	71,100 (66.8)	41,800 (73.9)	41,800 (77.9)	37,500 (80.6)	—	—	—	—	—
12	62,950 (62.7)	41,800 (71.1)	41,050 (75.8)	36,450 (78.9)	29,900 (81)	—	—	—	—
15	53,350 (56.1)	41,800 (66.8)	38,350 (72.6)	33,200 (76.3)	29,300 (78.8)	22,950 (80.8)	—	—	—
20	37,150 (43.3)	38,250 (59.2)	34,500 (67.1)	28,900 (72)	25,850 (75.3)	20,750 (77.7)	18,050 (79.6)	—	—
25	27,600 (25.3)	28,750 (50.7)	28,950 (61.4)	25,600 (67.5)	22,850 (71.6)	18,650 (74.6)	16,750 (76.9)	14,500 (78.8)	10,900 (80.3)
30	—	22,500 (40.7)	22,700 (55)	23,000 (62.8)	20,500 (67.8)	16,600 (71.4)	14,950 (74.2)	13,350 (76.4)	10,900 (78.2)
35	—	18,050 (27.4)	18,300 (48)	18,900 (57.7)	18,600 (63.9)	14,850 (68.2)	13,400 (71.4)	12,050 (73.9)	10,350 (76)
40	—	—	15,000 (39.7)	15,600 (52.3)	15,800 (59.7)	13,400 (64.8)	12,050 (68.5)	10,950 (71.4)	9,750 (73.8)
45	—	—	12,450 (29.3)	13,000 (46.1)	13,300 (55.3)	12,100 (61.2)	10,950 (65.6)	9,960 (68.9)	9,080 (71.6)
50	—	—	10,150 (13.1)	10,550 (39.3)	10,950 (50.4)	10,950 (57.4)	9,960 (62.5)	9,080 (66.3)	8,310 (69.3)
55	—	—	—	8,710 (30.7)	9,100 (45)	9,140 (53.4)	9,050 (59.2)	8,320 (63.6)	7,620 (67)
60	—	—	—	7,220 (18.9)	7,630 (39)	7,660 (49)	7,660 (55.8)	7,590 (60.6)	7,010 (64.7)
65	—	—	—	—	6,430 (31.6)	6,470 (44.2)	6,480 (52.1)	6,510 (57.6)	6,420 (62.1)
70	—	—	—	—	5,440 (22.2)	5,480 (38.9)	5,500 (48)	5,530 (54.4)	5,480 (59.3)
75	—	—	—	—	4,590 (5.1)	4,550 (32.4)	4,690 (43.6)	4,710 (50.9)	4,660 (56.5)
80	—	—	—	—	—	3,830 (24.5)	4,000 (38.8)	4,010 (47.2)	3,980 (53.5)
85	—	—	—	—	—	3,190 (13.4)	3,400 (33)	3,400 (43.2)	3,400 (50.2)
90	—	—	—	—	—	—	2,880 (26.1)	2,880 (38.9)	2,910 (46.8)
95	—	—	—	—	—	—	2,350 (17.3)	2,290 (33.6)	2,480 (43.1)
100	—	—	—	—	—	—	—	1,860 (27.4)	2,000 (39.1)
105	—	—	—	—	—	—	—	1,490 (20)	1,560 (34.3)
110	—	—	—	—	—	—	—	1,080 (9)	1,170 (28.8)
115	—	—	—	—	—	—	—	—	810 (22.4)
Min. boom angle for indicated length (no load)									21.4°
Max. boom length at 0° boom angle (no load)									115 ft

NOTE: () Boom angles are in degrees.

Boom Angle	Main Boom Length in Feet								
	31	43	55	67	79	91	103	115	127
0°	17,050 (27.5)	10,950 (39.2)	7,090 (51.2)	5,040 (63.2)	3,440 (75.2)	2,240 (87.2)	1,340 (99.2)	610 (111.2)	—

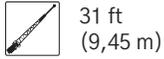
NOTE: () Reference radii in feet.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

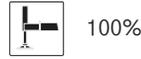
NBT45127-2



31 ft
(9,45 m)



4,000 lb
(1814 kg)



100%



360°



Pounds

Radius in Feet	Main Boom Length in Feet		
	103	115	127
25	7,860	—	—
30	7,710 (78.1)	6,530 (79.5)	4,870 (80.8)
35	7,300 (76.1)	6,520 (77.7)	4,850 (79.2)
40	6,540 (74.1)	6,370 (75.9)	4,820 (77.5)
45	5,910 (72)	5,770 (74)	4,800 (75.8)
50	5,360 (69.9)	5,260 (72.1)	4,760 (74.1)
55	4,890 (67.7)	4,810 (70.2)	4,540 (72.3)
60	4,490 (65.5)	4,410 (68.2)	4,210 (70.6)
65	4,130 (63.2)	4,070 (66.2)	3,890 (68.8)
70	3,810 (60.6)	3,760 (64.2)	3,610 (66.9)
75	3,530 (58)	3,480 (61.9)	3,350 (65.1)
80	3,280 (55.2)	3,240 (59.6)	3,120 (63)
85	3,060 (52.2)	3,020 (57.1)	2,870 (60.9)
90	2,730 (49.2)	2,590 (54.4)	2,330 (58.6)
95	2,250 (46)	2,120 (51.6)	1,850 (56.2)
100	1,830 (42.6)	1,690 (48.7)	1,430 (53.7)
105	1,450 (39)	1,310 (45.7)	1,050 (51.1)
110	1,110 (34.6)	980 (42.5)	720 (48.4)
115	800 (29.5)	670 (39.1)	—
120	530 (23.7)	—	—
Min. boom angle for indicated length (no load)	22.7°	38.1°	47.4°
Max. boom length at 0° boom angle (no load)	43 ft	43 ft	43 ft

Boom extension capacity notes:

- 31 ft and 55 ft extension lengths may be used for single line lifting service.
- Radii listed are for a fully extended boom with the boom extension erected. For main boom lengths less than fully extended, the rated loads are determined by boom angle. For boom angles not shown, use the rating of the next lower angle.
Warning: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
- Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
- Capacities listed are with outriggers properly extended and vertical jacks set.
- When lifting over the main boom nose with 31 ft or 55 ft extension erected, the outriggers must be fully extended or 50% (17.5 ft) spread.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

NBT45127-2

 55 ft
(16,76 m)

 4,000 lb
(1814 kg)

 100%

 360°



Pounds

Radius in Feet	Main Boom Length in Feet		
	103	115	127
30	4,040 (80.8)	—	—
35	3,630 (79.1)	3,520 (80.3)	—
40	3,270 (77.5)	3,370 (78.8)	2,520 (80)
45	2,960 (75.8)	3,080 (77.2)	2,520 (78.6)
50	2,690 (74)	2,810 (75.7)	2,520 (77.2)
55	2,460 (72.3)	2,580 (74.1)	2,510 (75.7)
60	2,270 (70.5)	2,390 (72.5)	2,480 (74.2)
65	2,100 (68.7)	2,210 (70.8)	2,310 (72.7)
70	1,950 (66.9)	2,060 (69.2)	2,160 (71.2)
75	1,820 (65)	1,920 (67.5)	2,020 (69.7)
80	1,700 (63)	1,800 (65.8)	1,890 (68.1)
85	1,590 (60.9)	1,690 (63.9)	1,780 (66.5)
90	1,500 (58.7)	1,600 (62)	1,680 (64.9)
95	1,410 (56.2)	1,510 (60)	1,590 (63.2)
100	1,330 (53.7)	1,420 (57.7)	1,510 (61.4)
105	1,260 (51.1)	1,350 (55.4)	1,430 (59.4)
110	1,190 (48.4)	1,280 (53)	1,360 (57.2)
115	1,130 (45.6)	1,220 (50.6)	1,120 (55)
120	1,080 (42.6)	1,110 (48)	840 (52.7)
125	1,030 (39.4)	860 (45.3)	580 (50.3)
130	790 (35.5)	620 (42.6)	—
135	580 (31.1)	—	—
Min. boom angle for indicated length (no load)	30.1°	41.6°	49.3°
Max. boom length at 0° boom angle (no load)	43 ft	43 ft	43 ft

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

NBT45127-2



31 ft – 127 ft
(9,45 m – 38,7 m)



6,000 lb
(2722 kg)



100%



360°



Pounds

Radius in Feet	Main Boom Length in Feet								
	31	43-A	55-B	67-C	79-D	91-E	103-F	115-G	127
6	90,000 (74.6)	41,800 (79.4)							
8	81,650 (70.8)	41,800 (76.6)	41,800 (80)						
10	71,350 (66.8)	41,800 (73.9)	41,800 (77.9)	37,500 (80.6)					
12	63,200 (62.7)	41,800 (71.1)	41,050 (75.8)	36,450 (78.9)	29,900 (81)				
15	53,650 (56.1)	41,800 (66.8)	38,350 (72.6)	33,200 (76.3)	29,300 (78.8)	22,950 (80.8)			
20	38,150 (43.3)	39,200 (59.2)	34,500 (67.1)	28,900 (72)	25,850 (75.3)	20,750 (77.7)	18,050 (79.6)		
25	28,400 (25.3)	29,500 (50.7)	29,700 (61.4)	25,600 (67.5)	22,850 (71.6)	18,650 (74.6)	16,750 (76.9)	14,500 (78.8)	10,900 (80.3)
30		23,150 (40.7)	23,350 (55)	23,000 (62.8)	20,500 (67.8)	16,600 (71.4)	14,950 (74.2)	13,350 (76.4)	10,900 (78.2)
35		18,600 (27.4)	18,850 (48)	19,450 (57.7)	18,600 (63.9)	14,850 (68.2)	13,400 (71.4)	12,050 (73.9)	10,350 (76)
40			15,500 (39.7)	16,100 (52.3)	16,300 (59.7)	13,400 (64.8)	12,050 (68.5)	10,950 (71.4)	9,750 (73.8)
45			12,850 (29.3)	13,500 (46.1)	13,700 (55.3)	12,100 (61.2)	10,950 (65.6)	9,960 (68.9)	9,080 (71.6)
50			10,750 (13.1)	11,400 (39.3)	11,650 (50.4)	10,950 (57.4)	9,960 (62.5)	9,080 (66.3)	8,310 (69.3)
55				9,520 (30.7)	9,940 (45)	9,960 (53.4)	9,050 (59.2)	8,320 (63.6)	7,620 (67)
60				7,960 (18.9)	8,360 (39)	8,390 (49)	8,270 (55.8)	7,590 (60.6)	7,010 (64.7)
65					7,080 (31.6)	7,110 (44.2)	7,090 (52.1)	6,950 (57.6)	6,420 (62.1)
70					6,020 (22.2)	6,060 (38.9)	6,060 (48)	6,120 (54.4)	5,890 (59.3)
75					4,740 (5.1)	5,110 (32.4)	5,210 (43.6)	5,260 (50.9)	5,310 (56.5)
80						4,340 (24.5)	4,490 (38.8)	4,530 (47.2)	4,570 (53.5)
85						3,670 (13.4)	3,870 (33)	3,900 (43.2)	3,930 (50.2)
90							3,330 (26.1)	3,210 (38.9)	3,380 (46.8)
95							2,860 (17.3)	2,710 (33.6)	2,890 (43.1)
100								2,260 (27.4)	2,450 (39.1)
105								1,860 (20)	2,010 (34.3)
110								1,490 (9)	1,600 (28.8)
115									1,220 (22.4)
120									870 (14.1)
Min. boom angle for indicated length (no load)									13.1°
Max. boom length at 0° boom angle (no load)									115 ft

NOTE: () Boom angles are in degrees.

Boom Angle	Main Boom Length in Feet								
	31	43	55	67	79	91	103	115	127
0°	14,150 (30.5)	8,720 (43.2)	5,360 (57.2)	3,390 (70.2)	1,950 (84.2)	940 (97.2)	—	—	—

NOTE: () Reference radii in feet.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

NBT45127-2



31 ft
(9,45 m)



6,000 lb
(2722 kg)



100%



360°



Pounds

Radius in Feet	Main Boom Length in Feet		
	103	115	127
25	7,860 (80.1)	—	—
30	7,710 (78.1)	6,530 (79.5)	4,870 (80.8)
35	7,300 (76.1)	6,520 (77.7)	4,850 (79.2)
40	6,540 (74.1)	6,370 (75.9)	4,820 (77.5)
45	5,910 (72)	5,770 (74)	4,800 (75.8)
50	5,360 (69.9)	5,260 (72.1)	4,760 (74.1)
55	4,890 (67.7)	4,810 (70.2)	4,540 (72.3)
60	4,490 (65.5)	4,410 (68.2)	4,210 (70.6)
65	4,130 (63.2)	4,070 (66.2)	3,890 (68.8)
70	3,810 (60.6)	3,760 (64.2)	3,610 (66.9)
75	3,530 (58)	3,480 (61.9)	3,350 (65.1)
80	3,280 (55.2)	3,240 (59.6)	3,120 (63)
85	3,060 (52.2)	3,020 (57.1)	2,910 (60.9)
90	2,860 (49.2)	2,820 (54.4)	2,720 (58.6)
95	2,670 (46)	2,570 (51.6)	2,300 (56.2)
100	2,250 (42.6)	2,120 (48.7)	1,860 (53.7)
105	1,850 (39)	1,720 (45.7)	1,460 (51.1)
110	1,490 (34.6)	1,360 (42.5)	1,100 (48.4)
115	1,170 (29.5)	1,040 (39.1)	780 (45.6)
120	880 (23.7)	750 (35)	—
125	620 (16.6)	—	—
Min. boom angle for indicated length (no load)	15.6°	34°	44.6°
Max. boom length at 0° boom angle (no load)	43 ft	43 ft	43 ft

Boom extension capacity notes:

- 31 ft and 55 ft extension lengths may be used for single line lifting service.
- Radii listed are for a fully extended boom with the boom extension erected. For main boom lengths less than fully extended, the rated loads are determined by boom angle. For boom angles not shown, use the rating of the next lower angle.
Warning: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
- Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
- Capacities listed are with outriggers properly extended and vertical jacks set.
- When lifting over the main boom nose with 31 ft or 55 ft extension erected, the outriggers must be fully extended or 50% (17.5 ft) spread.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

NBT45127-2

 55 ft
(16,76 m)

 6,000 lb
(2722 kg)

 100%

 360°



Pounds

Radius in Feet	Main Boom Length in Feet		
	103	115	127
30	4,040 (80.8)	—	—
35	3,630 (79.1)	3,520 (80.3)	—
40	3,270 (77.5)	3,370 (78.8)	2,520 (80)
45	2,960 (75.8)	3,080 (77.2)	2,520 (78.6)
50	2,690 (74)	2,810 (75.7)	2,520 (77.2)
55	2,460 (72.3)	2,580 (74.1)	2,510 (75.7)
60	2,270 (70.5)	2,390 (72.5)	2,480 (74.2)
65	2,100 (68.7)	2,210 (70.8)	2,310 (72.7)
70	1,950 (66.9)	2,060 (69.2)	2,160 (71.2)
75	1,820 (65)	1,920 (67.5)	2,020 (69.7)
80	1,700 (63)	1,800 (65.8)	1,890 (68.1)
85	1,590 (60.9)	1,690 (63.9)	1,780 (66.5)
90	1,500 (58.7)	1,600 (62)	1,680 (64.9)
95	1,410 (56.2)	1,510 (60)	1,590 (63.2)
100	1,330 (53.7)	1,420 (57.7)	1,510 (61.4)
105	1,260 (51.1)	1,350 (55.4)	1,430 (59.4)
110	1,190 (48.4)	1,280 (53)	1,360 (57.2)
115	1,130 (45.6)	1,220 (50.6)	1,300 (55)
120	1,080 (42.6)	1,160 (48)	1,190 (52.7)
125	1,030 (39.4)	1,110 (45.3)	920 (50.3)
130	980 (35.5)	940 (42.6)	670 (47.9)
135	890 (31.1)	720 (39.6)	
140	680 (26.2)	510 (35.9)	
Min. boom angle for indicated length (no load)	25.2°	34.9°	46.9°
Max. boom length at 0° boom angle (no load)	43 ft	43 ft	43 ft

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

WORKING RANGE

NBT40-2 and NBT45-2 (142)



142 ft
(43,3 m)



31 ft - 55 ft
(9,45 m - 16,76 m)



6,000 lb
(2722 kg)



100%

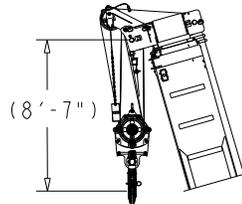
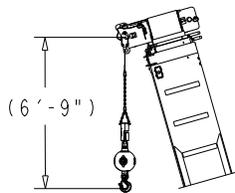
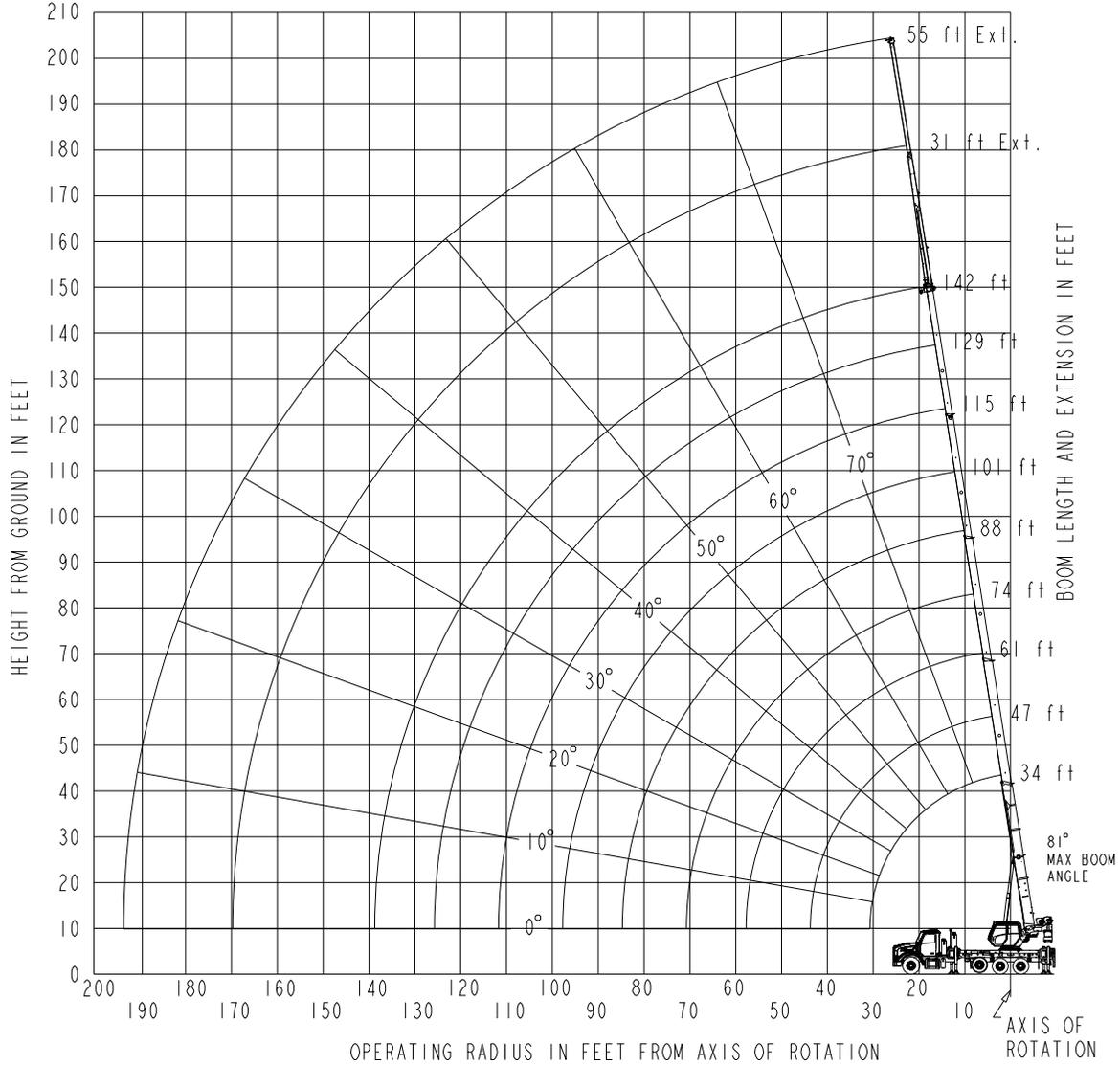


360°



Pounds

BOOM DEFLECTION NOT SHOWN



DIMENSIONS ARE FOR LARGEST FURNISHED HOOK BLOCK & HEADACHE BALL, WITH ANTI-TWO BLOCK ACTIVATED.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

NBT40142-2

 34 ft – 142 ft
(10 m – 43,3 m)

 800 lb
(363 kg)

 100%

 360°



Pounds

Radius in Feet	Main Boom Length in Feet								
	34	47-A	61-B	74-C	88-D	101-E	115-F	129-G	142
6	80,000 (76.1)	41,400 (80.3)	—	—	—	—	—	—	—
8	78,850 (72.7)	41,400 (77.9)	—	—	—	—	—	—	—
10	70,950 (69.1)	41,400 (75.4)	41,400 (79.4)	—	—	—	—	—	—
12	62,700 (65.4)	41,400 (72.9)	39,600 (77.5)	—	—	—	—	—	—
15	51,450 (59.6)	41,400 (69.1)	37,050 (74.7)	32,550 (78.1)	—	—	—	—	—
20	35,650 (48.8)	36,650 (62.5)	33,450 (69.8)	28,400 (74.2)	25,000 (77.2)	19,350 (79.3)	—	—	—
25	26,350 (35.4)	27,400 (55)	27,950 (64.7)	25,200 (70.2)	22,200 (73.9)	17,550 (76.6)	15,350 (78.7)	—	—
30	20,100 (11.5)	21,300 (46.6)	21,850 (59.4)	22,200 (66)	19,950 (70.6)	16,000 (73.8)	13,950 (76.3)	11,500 (78.3)	—
35	—	16,650 (36.7)	17,250 (53.6)	17,400 (61.7)	17,550 (67.3)	14,300 (71)	12,600 (73.8)	11,150 (76.2)	8,320 (77.9)
40	—	12,950 (22.8)	13,550 (47)	13,800 (57)	13,950 (63.8)	12,900 (68.1)	11,400 (71.4)	10,150 (74.1)	8,320 (75.9)
45	—	—	10,900 (39.5)	11,200 (52)	11,300 (59.9)	11,350 (65.1)	10,350 (68.8)	9,300 (71.9)	8,320 (74)
50	—	—	8,840 (30.1)	9,160 (46.4)	9,240 (56)	9,440 (61.8)	9,480 (66.2)	8,510 (69.7)	7,740
55	—	—	7,120 (16.4)	7,500 (40.1)	7,450 (51.6)	7,760 (58.3)	7,830 (63.6)	7,810 (67.4)	7,130 (70)
60	—	—	—	6,080 (32.6)	6,020 (46.9)	6,360 (54.7)	6,430 (60.6)	6,510 (65.1)	6,490 (68)
65	—	—	—	4,890 (23)	4,870 (41.7)	5,230 (50.8)	5,300 (57.6)	5,380 (62.5)	5,360 (65.9)
70	—	—	—	3,880 (5.3)	3,910 (35.8)	4,290 (46.6)	4,360 (54.4)	4,440 (59.8)	4,420 (63.8)
75	—	—	—	—	3,080 (28.3)	3,500 (42.1)	3,560 (50.9)	3,650 (57)	3,630 (61.4)
80	—	—	—	—	2,370 (18.8)	2,820 (37.2)	2,880 (47.1)	2,970 (54.1)	2,960 (58.9)
85	—	—	—	—	—	2,220 (30.8)	2,290 (43.1)	2,390 (51)	2,380 (56.4)
90	—	—	—	—	—	1,690 (23.2)	1,770 (38.8)	1,860 (47.6)	1,870 (53.7)
95	—	—	—	—	—	1,220 (12.7)	1,300 (33.4)	1,380 (44.1)	1,430 (50.7)
100	—	—	—	—	—	—	880 (27.3)	970 (40.3)	1,040 (47.6)
105	—	—	—	—	—	—	510 (19.9)	600 (35.8)	680 (44.3)
Min. boom angle for indicated length (no load)							18.9°	34.8°	43.3°
Max. boom length at 0° boom angle (no load)							101 ft		

NOTE: () Boom angles are in degrees.

Boom Angle	Main Boom Length in Feet								
	34	47	61	74	88	101	115	129	142
0°	14,150 (30.5)	8,720 (43.2)	5,360 (57.2)	3,390 (70.2)	1,840 (84.2)	940 (97.2)	—	—	—

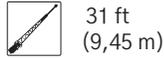
NOTE: () Reference radii in feet.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

NBT40142-2



31 ft
(9,45 m)



800 lb
(363 kg)



100%



360°



Pounds

Radius in Feet	Main Boom Length in Feet		
	115	129	142
30	6,910 (79.5)	5,310 (80.9)	—
35	6,810 (77.7)	5,310 (79.3)	4,110 (80.6)
40	6,510 (75.8)	5,310 (77.6)	4,110 (79)
45	5,910 (73.9)	5,310 (75.9)	4,110 (77.5)
50	5,380 (72)	5,190 (74.2)	4,110 (75.9)
55	4,930 (70)	4,770 (72.4)	4,110 (74.3)
60	4,520 (68)	4,390 (70.6)	4,030 (72.7)
65	4,170 (66)	4,060 (68.8)	3,820 (71.1)
70	3,860 (63.9)	3,760 (67)	3,550 (69.4)
75	3,490 (61.8)	3,400 (65.1)	3,270 (67.7)
80	2,820 (59.6)	2,730 (63.2)	2,600 (66)
85	2,240 (57)	2,150 (61.3)	2,020 (64.2)
90	1,730 (54.4)	1,640 (59.1)	1,510 (62.5)
95	1,280 (51.6)	1,200 (56.7)	1,070 (60.6)
100	890 (48.7)	800 (54.3)	680 (58.4)
105	540 (45.7)	—	—
Min. boom angle for indicated length (no load)	44.7°	53.3°	57.4°
Max. boom length at 0° boom angle (no load)	47 ft	47 ft	47 ft

Boom extension capacity notes:

1. 31 ft and 55 ft extension lengths may be used for single line lifting service.
2. Radii listed are for a fully extended boom with the boom extension erected. For main boom lengths less than fully extended, the rated loads are determined by boom angle. For boom angles not shown, use the rating of the next lower angle.
Warning: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
3. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
4. Capacities listed are with outriggers properly extended and vertical jacks set.
5. When lifting over the main boom nose with 31 ft or 55 ft extension erected, the outriggers must be fully extended or 50% (17.5 ft) spread.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

NBT40142-2

 55 ft
(16,76 m)

 800 lb
(363 kg)

 100%

 360°



Pounds

Radius in Feet	Main Boom Length in Feet		
	115	129	142
35	3,720 (80.3)	—	—
40	3,390 (78.7)	3,240 (80.1)	—
45	3,090 (77.2)	3,170 (78.7)	2,590 (80)
50	2,820 (75.6)	2,940 (77.2)	2,590 (78.6)
55	2,590 (73.9)	2,710 (75.7)	2,590 (77.3)
60	2,400 (72.3)	2,510 (74.3)	2,580 (76)
65	2,220 (70.6)	2,330 (72.8)	2,410 (74.6)
70	2,070 (69)	2,180 (71.2)	2,260 (73.2)
75	1,930 (67.3)	2,040 (69.7)	2,120 (71.8)
80	1,810 (65.5)	1,910 (68.1)	1,990 (70.4)
85	1,700 (63.7)	1,800 (66.5)	1,880 (69)
90	1,600 (61.9)	1,700 (64.9)	1,780 (67.5)
95	1,510 (59.9)	1,610 (63.2)	1,680 (66)
100	1,430 (57.7)	1,530 (61.5)	1,380 (64.5)
105	1,330 (55.4)	1,190 (59.6)	1,030 (62.9)
110	1,010 (53)	870 (57.5)	710 (61.3)
115	720 (50.5)	580 (55.3)	—
Min. boom angle for indicated length (no load)	49.5°	54.3°	60.3°
Max. boom length at 0° boom angle (no load)	47 ft	47 ft	47 ft

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

NBT45142-2

 34 ft - 142 ft
(10 m - 43 m)

 4,000 lb
(1814 kg)

 100%

 360°



Pounds

Radius in Feet	Main Boom Length in Feet								
	34	47-A	61-B	74-C	88-D	101-E	115-F	129-G	142
6	90,000 (76.1)	41,400 (80.3)	—	—	—	—	—	—	—
8	78,850 (72.7)	41,400 (77.9)	—	—	—	—	—	—	—
10	71,400 (69.1)	41,400 (75.4)	41,400 (79.4)	—	—	—	—	—	—
12	62,700 (65.4)	41,400 (72.9)	39,600 (77.5)	—	—	—	—	—	—
15	52,750 (59.6)	41,400 (69.1)	37,050 (74.7)	32,550 (78.1)	—	—	—	—	—
20	37,150 (48.8)	38,150 (62.5)	33,450 (69.8)	28,400 (74.2)	25,000 (77.2)	19,350 (79.3)	—	—	—
25	27,550 (35.4)	28,550 (55)	29,150 (64.7)	25,200 (70.2)	22,200 (73.9)	17,550 (76.6)	15,350 (78.7)	—	—
30	20,700 (11.5)	22,250 (46.6)	22,850 (59.4)	22,650 (66)	19,950 (70.6)	16,000 (73.8)	13,950 (76.3)	11,500 (78.3)	—
35	—	17,800 (36.7)	18,400 (53.6)	18,700 (61.7)	18,100 (67.3)	14,300 (71)	12,600 (73.8)	11,150 (76.2)	8,320 (77.9)
40	—	14,400 (22.8)	15,050 (47)	15,400 (57)	15,650 (63.8)	12,900 (68.1)	11,400 (71.4)	10,150 (74.1)	8,320 (75.9)
45	—	—	12,500 (39.5)	12,850 (52)	13,100 (59.9)	11,700 (65.1)	10,350 (68.8)	9,300 (71.9)	8,320 (74)
50	—	—	10,400 (30.1)	10,700 (46.4)	10,650 (56)	10,600 (61.8)	9,480 (66.2)	8,510 (69.7)	7,740 (72)
55	—	—	8,430 (16.4)	8,760 (40.1)	8,710 (51.6)	9,320 (58.3)	8,680 (63.6)	7,810 (67.4)	7,130 (70)
60	—	—	—	7,200 (32.6)	7,150 (46.9)	7,670 (54.7)	7,580 (60.6)	7,190 (65.1)	6,570 (68)
65	—	—	—	5,910 (23)	5,890 (41.7)	6,350 (50.8)	6,330 (57.6)	6,590 (62.5)	6,060 (65.9)
70	—	—	—	4,830 (5.3)	4,850 (35.8)	5,270 (46.6)	5,290 (54.4)	5,540 (59.8)	5,460 (63.8)
75	—	—	—	—	3,940 (28.3)	4,370 (42.1)	4,420 (50.9)	4,610 (57)	4,600 (61.4)
80	—	—	—	—	3,170 (18.8)	3,610 (37.2)	3,670 (47.1)	3,820 (54.1)	3,860 (58.9)
85	—	—	—	—	—	2,960 (30.8)	3,030 (43.1)	3,140 (51)	3,230 (56.4)
90	—	—	—	—	—	2,400 (23.2)	2,460 (38.8)	2,550 (47.6)	2,670 (53.7)
95	—	—	—	—	—	1,900 (12.7)	1,950 (33.4)	2,040 (44.1)	2,180 (50.7)
100	—	—	—	—	—	—	1,500 (27.3)	1,580 (40.3)	1,740 (47.6)
105	—	—	—	—	—	—	1,090 (19.9)	1,180 (35.8)	1,350 (44.3)
110	—	—	—	—	—	—	720 (9)	820 (30.6)	990 (40.8)
115	—	—	—	—	—	—	—	—	670 (36.8)
Min. boom angle for indicated length (no load)							8°	29.6°	35.8°
Max. boom length at 0° boom angle (no load)							101 ft		

NOTE: () Boom angles are in degrees.

Boom Angle	Main Boom Length in Feet								
	34	47	61	74	88	101	115	129	142
0°	14,150 (30.5)	8,720 (43.2)	5,360 (57.2)	3,390 (70.2)	1,950 (84.2)	940 (97.2)	—	—	—

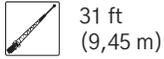
NOTE: () Reference radii in feet.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

NBT45142-2



31 ft
(9,45 m)



4,000 lb
(1814 kg)



100%



360°



Pounds

Radius in Feet	Main Boom Length in Feet		
	115	129	142
30	6,910 (79.5)	5,310 (80.9)	—
35	6,810 (77.7)	5,310 (79.3)	4,110 (80.6)
40	6,510 (75.8)	5,310 (77.6)	4,110 (79)
45	5,910 (73.9)	5,310 (75.9)	4,110 (77.5)
50	5,380 (72)	5,190 (74.2)	4,110 (75.9)
55	4,930 (70)	4,770 (72.4)	4,110 (74.3)
60	4,520 (68)	4,390 (70.6)	4,030 (72.7)
65	4,170 (66)	4,060 (68.8)	3,820 (71.1)
70	3,860 (63.9)	3,760 (67)	3,550 (69.4)
75	3,580 (61.8)	3,490 (65.1)	3,310 (67.7)
80	3,330 (59.6)	3,240 (63.2)	3,090 (66)
85	2,980 (57)	2,890 (61.3)	2,760 (64.2)
90	2,430 (54.4)	2,330 (59.1)	2,210 (62.5)
95	1,940 (51.6)	1,850 (56.7)	1,720 (60.6)
100	1,510 (48.7)	1,420 (54.3)	1,290 (58.4)
105	1,120 (45.7)	1,030 (51.7)	910 (56.2)
110	780 (42.5)	690 (49.1)	570 (53.9)
Min. boom angle for indicated length (no load)	41.5°	48.1°	52.9°
Max. boom length at 0° boom angle (no load)	47 ft	47 ft	47 ft

Boom extension capacity notes:

- 31 ft and 55 ft extension lengths may be used for single line lifting service.
- Radii listed are for a fully extended boom with the boom extension erected. For main boom lengths less than fully extended, the rated loads are determined by boom angle. For boom angles not shown, use the rating of the next lower angle.
Warning: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
- Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
- Capacities listed are with outriggers properly extended and vertical jacks set.
- When lifting over the main boom nose with 31 ft or 55 ft extension erected, the outriggers must be fully extended or 50% (17.5 ft) spread.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

NBT45142-2

 55 ft
(16,76 m)

 4,000 lb
(1814 kg)

 100%

 360°



Pounds

Radius in Feet	Main Boom Length in Feet		
	115	129	142
35	3,720 (80.3)	—	—
40	3,390 (78.7)	3,240 (80.1)	—
45	3,090 (77.2)	3,170 (78.7)	2,590 (80)
50	2,820 (75.6)	2,940 (77.2)	2,590 (78.6)
55	2,590 (73.9)	2,710 (75.7)	2,590 (77.3)
60	2,400 (72.3)	2,510 (74.3)	2,580 (76)
65	2,220 (70.6)	2,330 (72.8)	2,410 (74.6)
70	2,070 (69)	2,180 (71.2)	2,260 (73.2)
75	1,930 (67.3)	2,040 (69.7)	2,120 (71.8)
80	1,810 (65.5)	1,910 (68.1)	1,990 (70.4)
85	1,700 (63.7)	1,800 (66.5)	1,880 (69)
90	1,600 (61.9)	1,700 (64.9)	1,780 (67.5)
95	1,510 (59.9)	1,610 (63.2)	1,680 (66)
100	1,430 (57.7)	1,530 (61.5)	1,600 (64.5)
105	1,350 (55.4)	1,450 (59.6)	1,520 (62.9)
110	1,290 (53)	1,380 (57.5)	1,260 (61.3)
115	1,220 (50.5)	1,100 (55.3)	940 (59.3)
120	960 (48)	820 (53.1)	660 (57.3)
125	690 (45.3)	560 (50.8)	—
Min. boom angle for indicated length (no load)	44.3°	49.8°	56.3°
Max. boom length at 0° boom angle (no load)	47 ft	47 ft	47 ft

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

NBT45142-2

 34 ft - 142 ft
(10 m - 43 m)

 6,000 lb
(2722 kg)

 100%

 360°



Pounds

Radius in Feet	Main Boom Length in Feet								
	34	47-A	61-B	74-C	88-D	101-E	115-F	129-G	142
6	90,000 (76.1)	41,400 (80.3)	—	—	—	—	—	—	—
8	78,850 (72.7)	41,400 (77.9)	—	—	—	—	—	—	—
10	71,600 (69.1)	41,400 (75.4)	41,400 (79.4)	—	—	—	—	—	—
12	62,700 (65.4)	41,400 (72.9)	39,600 (77.5)	—	—	—	—	—	—
15	52,750 (59.6)	41,400 (69.1)	37,050 (74.7)	32,550 (78.1)	—	—	—	—	—
20	38,150 (48.8)	39,150 (62.5)	33,450 (69.8)	28,400 (74.2)	25,000 (77.2)	19,350 (79.3)	—	—	—
25	28,350 (35.4)	29,350 (55)	29,950 (64.7)	25,200 (70.2)	22,200 (73.9)	17,550 (76.6)	15,350 (78.7)	—	—
30	20,700 (11.5)	22,950 (46.6)	23,500 (59.4)	22,650 (66)	19,950 (70.6)	16,000 (73.8)	13,950 (76.3)	11,500 (78.3)	—
35	—	18,350 (36.7)	18,950 (53.6)	19,300 (61.7)	18,100 (67.3)	14,300 (71)	12,600 (73.8)	11,150 (76.2)	8,320 (77.9)
40	—	14,900 (22.8)	15,550 (47)	15,900 (57)	16,150 (63.8)	12,900 (68.1)	11,400 (71.4)	10,150 (74.1)	8,320 (75.9)
45	—	—	12,900 (39.5)	13,250 (52)	13,550 (59.9)	11,700 (65.1)	10,350 (68.8)	9,300 (71.9)	8,320 (74)
50	—	—	10,800 (30.1)	11,150 (46.4)	11,450 (56)	10,600 (61.8)	9,480 (66.2)	8,510 (69.7)	7,740 (72)
55	—	—	9,080 (16.4)	9,480 (40.1)	9,540 (51.6)	9,690 (58.3)	8,680 (63.6)	7,810 (67.4)	7,130 (70)
60	—	—	—	7,950 (32.6)	7,900 (46.9)	8,420 (54.7)	7,920 (60.6)	7,190 (65.1)	6,570 (68)
65	—	—	—	6,580 (23)	6,570 (41.7)	7,030 (50.8)	7,010 (57.6)	6,590 (62.5)	6,060 (65.9)
70	—	—	—	4,830 (5.3)	5,470 (35.8)	5,890 (46.6)	5,910 (54.4)	6,040 (59.8)	5,570 (63.8)
75	—	—	—	—	4,510 (28.3)	4,940 (42.1)	4,990 (50.9)	5,170 (57)	5,110 (61.4)
80	—	—	—	—	3,690 (18.8)	4,140 (37.2)	4,200 (47.1)	4,340 (54.1)	4,390 (58.9)
85	—	—	—	—	—	3,450 (30.8)	3,520 (43.1)	3,630 (51)	3,720 (56.4)
90	—	—	—	—	—	2,860 (23.2)	2,920 (38.8)	3,010 (47.6)	3,130 (53.7)
95	—	—	—	—	—	2,330 (12.7)	2,380 (33.4)	2,470 (44.1)	2,610 (50.7)
100	—	—	—	—	—	—	1,900 (27.3)	1,990 (40.3)	2,150 (47.6)
105	—	—	—	—	—	—	1,480 (19.9)	1,560 (35.8)	1,740 (44.3)
110	—	—	—	—	—	—	1,090 (9)	1,180 (30.6)	1,360 (40.8)
115	—	—	—	—	—	—	—	840 (24.6)	1,020 (36.8)
120	—	—	—	—	—	—	—	520 (17.2)	700 (32.1)
Min. boom angle for indicated length (no load)							8°	16.2°	31.1°
Max. boom length at 0° boom angle (no load)							101 ft		

NOTE: () Boom angles are in degrees.

Boom Angle	Main Boom Length in Feet								
	34	47	61	74	88	101	115	129	142
0°	14,150 (30.5)	8,720 (43.2)	5,360 (57.2)	3,390 (70.2)	1,950 (84.2)	940 (97.2)	—	—	—

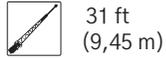
NOTE: () Reference radii in feet.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

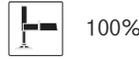
NBT45142-2



31 ft
(9.45 m)



6,000 lb
(2722 kg)



100%



360°



Pounds

Radius in Feet	Main Boom Length in Feet		
	115	129	142
30	6,910 (79.5)	5,310 (80.9)	—
35	6,810 (77.7)	5,310 (79.3)	4,110 (80.6)
40	6,510 (75.8)	5,310 (77.6)	4,110 (79)
45	5,910 (73.9)	5,310 (75.9)	4,110 (77.5)
50	5,380 (72)	5,190 (74.2)	4,110 (75.9)
55	4,930 (70)	4,770 (72.4)	4,110 (74.3)
60	4,520 (68)	4,390 (70.6)	4,030 (72.7)
65	4,170 (66)	4,060 (68.8)	3,820 (71.1)
70	3,860 (63.9)	3,760 (67)	3,550 (69.4)
75	3,580 (61.8)	3,490 (65.1)	3,310 (67.7)
80	3,330 (59.6)	3,240 (63.2)	3,090 (66)
85	3,100 (57)	3,030 (61.3)	2,870 (64.2)
90	2,880 (54.4)	2,790 (59.1)	2,580 (62.5)
95	2,370 (51.6)	2,280 (56.7)	2,150 (60.6)
100	1,910 (48.7)	1,820 (54.3)	1,700 (58.4)
105	1,510 (45.7)	1,420 (51.7)	1,290 (56.2)
110	1,140 (42.5)	1,050 (49.1)	930 (53.9)
115	820 (39.1)	730 (46.4)	600 (51.5)
120	520 (34.9)	—	—
Min. boom angle for indicated length (no load)	33.9°	45.4°	50.5°
Max. boom length at 0° boom angle (no load)	47 ft	47 ft	47 ft

Boom extension capacity notes:

- 31 ft and 55 ft extension lengths may be used for single line lifting service.
- Radii listed are for a fully extended boom with the boom extension erected. For main boom lengths less than fully extended, the rated loads are determined by boom angle. For boom angles not shown, use the rating of the next lower angle.
Warning: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
- Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
- Capacities listed are with outriggers properly extended and vertical jacks set.
- When lifting over the main boom nose with 31 ft or 55 ft extension erected, the outriggers must be fully extended or 50% (17.5 ft) spread.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

LOAD CHART

NBT45142-2

 55 ft
(16,76 m)

 6,000 lb
(2722 kg)

 100%

 360°



Pounds

Radius in Feet	Main Boom Length in Feet		
	115	129	142
35	3,720 (80.3)	—	—
40	3,390 (78.7)	3,240 (80.1)	—
45	3,090 (77.2)	3,170 (78.7)	2,590 (80)
50	2,820 (75.6)	2,940 (77.2)	2,590 (78.6)
55	2,590 (73.9)	2,710 (75.7)	2,590 (77.3)
60	2,400 (72.3)	2,510 (74.3)	2,580 (76)
65	2,220 (70.6)	2,330 (72.8)	2,410 (74.6)
70	2,070 (69)	2,180 (71.2)	2,260 (73.2)
75	1,930 (67.3)	2,040 (69.7)	2,120 (71.8)
80	1,810 (65.5)	1,910 (68.1)	1,990 (70.4)
85	1,700 (63.7)	1,800 (66.5)	1,880 (69)
90	1,600 (61.9)	1,700 (64.9)	1,780 (67.5)
95	1,510 (59.9)	1,610 (63.2)	1,680 (66)
100	1,430 (57.7)	1,530 (61.5)	1,600 (64.5)
105	1,350 (55.4)	1,450 (59.6)	1,520 (62.9)
110	1,290 (53)	1,380 (57.5)	1,450 (61.3)
115	1,220 (50.5)	1,310 (55.3)	1,290 (59.3)
120	1,160 (48)	1,150 (53.1)	990 (57.3)
125	1,010 (45.3)	870 (50.8)	710 (55.2)
130	760 (42.5)	620 (48.4)	—
135	530 (39.6)	—	—
Min. boom angle for indicated length (no load)	38.6°	47.4°	54.2°
Max. boom length at 0° boom angle (no load)	47 ft	47 ft	47 ft

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane