









396,800 lb		360°												85%	
		48.2ft <sup>1)</sup>	48.2ft	63.3ft <sup>1)</sup>	63.3ft	78.7ft <sup>1)</sup>	78.7ft	93.8ft	108.9ft	124.3ft	139.4ft	154.9ft	169.9ft	183.7ft	
ft	1,000 lb														ft
8	1102.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	8
10	929.6**	551.2	-	-	-	-	-	-	-	-	-	-	-	-	10
12	815.6**	551.2	566.6*	551.2	-	-	-	-	-	-	-	-	-	-	12
14	728.7**	551.2	566.6*	551.2	540.1	540.1	-	-	-	-	-	-	-	-	14
16	659.0**	551.2	566.6*	551.2	540.1	540.1	-	-	-	-	-	-	-	-	16
18	607.4**	526.5	558.0*	525.4	527.3	519.8	448.0	-	-	-	-	-	-	-	18
20	561.1*	495.6	543.0	495.6	509.0	493.4	429.6	363.9	-	-	-	-	-	-	20
24	492.6	435.9	471.2	436.5	451.3	434.3	396.6	337.0	307.5	-	-	-	-	-	24
28	429.3	386.8	415.3	387.8	401.1	386.8	364.0	312.5	284.8	249.7	-	-	-	-	28
32	374.1	347.1	371.9	348.8	358.7	347.1	334.5	290.9	263.9	232.5	201.1	175.6	-	-	32
36	333.7	315.9	332.7	318.1	323.7	315.9	307.0	270.5	244.1	218.0	188.0	165.1	141.3	-	36
40	-	-	295.4	289.4	291.4	287.4	280.6	250.8	224.6	204.1	175.6	155.1	133.8	-	40
48	-	-	242.8	243.8	242.9	243.0	234.9	216.9	193.8	179.6	155.3	138.0	120.1	-	48
56	-	-	191.6	195.0	205.2	205.5	200.5	187.7	168.8	158.5	138.6	123.5	107.8	-	56
64	-	-	-	-	176.0	176.1	175.0	164.2	149.4	140.4	124.2	111.2	97.1	-	64
72	-	-	-	-	142.5	142.8	155.0	146.3	133.1	124.9	112.0	100.5	87.7	-	72
80	-	-	-	-	-	-	135.9	132.7	119.3	111.9	101.5	91.5	79.8	-	80
88	-	-	-	-	-	-	-	121.6	107.2	100.9	92.5	83.8	73.1	-	88
96	-	-	-	-	-	-	-	109.1	96.7	91.7	85.0	76.9	67.3	-	96
104	-	-	-	-	-	-	-	67.2	88.5	84.2	78.8	71.2	62.5	-	104
112	-	-	-	-	-	-	-	-	80.8	77.3	73.2	65.9	57.8	-	112
120	-	-	-	-	-	-	-	-	-	71.4	68.5	61.8	53.7	-	120
128	-	-	-	-	-	-	-	-	-	65.6	63.9	57.9	50.0	-	128
136	-	-	-	-	-	-	-	-	-	-	59.6	54.4	46.6	-	136
144	-	-	-	-	-	-	-	-	-	-	55.1	51.1	43.8	-	144
152	-	-	-	-	-	-	-	-	-	-	-	48.1	40.9	-	152
160	-	-	-	-	-	-	-	-	-	-	-	45.1	38.6	-	160
168	-	-	-	-	-	-	-	-	-	-	-	-	36.4	-	168

\*\* over rear



\* \*\* HA-SA:  
Main boom with special equipment



1) HA-ZA =  396,800 lb + 

352,800 lb		360° / Max.*										85%
	360° 48.2 ft	Max. 48.2 ft	360° 63.3 ft	Max. 63.3 ft	360° 78.7 ft	Max. 78.7 ft	360° 93.8 ft	Max. 93.8 ft	360° 108.9 ft	Max. 108.9 ft		
ft	1,000 lb										ft	
10	551.2	551.2	-	-	-	-	-	-	-	-	10	
12	551.2	551.2	-	-	-	-	-	-	-	-	12	
14	551.2	551.2	551.2	551.2	540.1	540.1	-	-	-	-	14	
16	551.2	551.2	551.2	551.2	540.1	540.1	-	-	-	-	16	
18	523.3	526.5	523.3	525.4	517.6	519.8	448.0	448.0	-	-	18	
20	489.0	495.6	489.0	495.6	489.0	493.4	429.6	429.6	363.9	363.9	20	
24	429.9	435.8	429.9	436.5	429.9	434.3	396.6	396.6	337.0	337.0	24	
28	382.4	386.8	382.4	387.8	382.4	386.8	364.0	364.0	312.5	312.5	28	
32	344.4	344.4	344.4	344.4	342.7	342.7	334.5	334.5	290.9	290.9	32	
36	313.7	313.7	313.7	313.7	311.5	311.5	307.0	307.0	270.5	270.5	36	
40	-	-	284.8	284.8	282.6	282.6	280.6	280.6	250.8	250.8	40	
48	-	-	236.6	236.6	234.2	234.2	234.9	234.9	216.9	216.9	48	
56	-	-	191.1	191.1	197.3	197.3	199.3	199.3	187.7	187.7	56	
64	-	-	-	-	168.9	168.9	170.8	170.8	164.2	164.2	64	
72	-	-	-	-	142.6	142.6	148.4	148.4	146.3	146.3	72	
80	-	-	-	-	-	-	130.0	130.0	132.2	132.2	80	
88	-	-	-	-	-	-	-	-	118.3	118.3	88	
96	-	-	-	-	-	-	-	-	105.8	105.8	96	
104	-	-	-	-	-	-	-	-	67.2	67.2	104	

	360° 124.3 ft	Max. 124.3 ft	360° 139.4 ft	Max. 139.4 ft	360° 154.9 ft	Max. 154.9 ft	360° 169.9 ft	Max. 169.9 ft	360° 183.7 ft	Max. 183.7 ft	
ft	1,000 lb										ft
24	307.5	307.5	-	-	-	-	-	-	-	-	24
28	284.8	284.8	249.7	249.7	-	-	-	-	-	-	28
32	263.9	263.9	232.5	232.5	201.1	201.1	175.6	175.6	-	-	32
36	244.1	244.1	218.0	218.0	188.0	188.0	165.1	165.1	141.3	141.3	36
40	224.6	224.6	204.1	204.1	175.6	175.6	155.1	155.1	133.8	133.8	40
48	193.8	193.8	179.6	179.6	155.3	155.3	138.0	138.0	120.1	120.1	48
56	168.8	168.8	158.5	158.5	138.6	138.6	123.5	123.5	107.8	107.8	56
64	149.4	149.4	140.4	140.4	124.2	124.2	111.2	111.2	97.1	97.1	64
72	133.1	133.1	124.9	124.9	112.0	112.0	100.5	100.5	87.7	87.7	72
80	119.3	119.3	111.9	111.9	101.5	101.5	91.5	91.5	79.8	79.8	80
88	107.2	107.2	100.9	100.9	92.5	92.5	83.8	83.8	73.1	73.1	88
96	96.7	96.7	91.7	91.7	85.0	85.0	76.9	76.9	67.3	67.3	96
104	88.5	88.5	84.2	84.2	78.8	78.8	71.2	71.2	62.5	62.5	104
112	80.8	80.8	77.3	77.3	73.2	73.2	65.9	65.9	57.8	57.8	112
120	-	-	71.4	71.4	68.5	68.5	61.8	61.8	53.7	53.7	120
128	-	-	65.6	65.6	63.9	63.9	57.9	57.9	50.0	50.0	128
136	-	-	-	-	59.6	59.6	54.4	54.4	46.6	46.6	136
144	-	-	-	-	55.1	55.1	51.1	51.1	43.8	43.8	144
152	-	-	-	-	-	-	48.1	48.1	40.9	40.9	152
160	-	-	-	-	-	-	-	-	38.6	38.6	160
168	-	-	-	-	-	-	-	-	36.4	36.4	168

\* Max. values are valid only for specific superstructure positions

264,600 lb		360° / Max.*										85%
	360° 48.2 ft	Max. 48.2 ft	360° 63.3 ft	Max. 63.3 ft	360° 78.7 ft	Max. 78.7 ft	360° 93.8 ft	Max. 93.8 ft	360° 108.9 ft	Max. 108.9 ft		
ft	1,000 lb										ft	
10	551.2	551.2	-	-	-	-	-	-	-	-	10	
12	551.2	551.2	-	-	-	-	-	-	-	-	12	
14	551.2	551.2	551.2	551.2	540.1	540.1	-	-	-	-	14	
16	546.2	551.2	544.5	551.2	540.1	540.1	-	-	-	-	16	
18	514.5	526.5	512.3	525.4	511.2	519.8	448.0	448.0	-	-	18	
20	477.9	494.8	478.2	494.9	476.0	492.6	429.6	429.6	363.9	363.9	20	
24	419.6	424.7	421.1	424.9	418.9	422.6	396.6	396.6	337.0	337.0	24	
28	373.6	373.6	373.6	373.6	372.6	372.6	364.0	364.0	312.5	312.5	28	
32	330.6	330.6	330.6	330.6	328.9	328.9	329.5	329.5	290.9	290.9	32	
36	294.0	294.0	294.0	294.0	291.8	291.8	294.0	294.0	270.5	270.5	36	
40	-	-	260.7	260.7	258.5	258.5	260.7	260.7	250.8	250.8	40	
48	-	-	214.5	214.5	212.2	212.2	214.5	214.5	215.5	215.5	48	
56	-	-	178.0	178.0	178.8	178.8	178.1	178.1	181.3	181.3	56	
64	-	-	-	-	151.9	151.9	148.8	149.2	152.4	152.4	64	
72	-	-	-	-	127.1	132.5	123.6	129.8	127.3	132.3	72	
80	-	-	-	-	-	-	105.6	114.1	107.9	116.6	80	
88	-	-	-	-	-	-	-	-	92.7	103.5	88	
96	-	-	-	-	-	-	-	-	80.5	92.7	96	
104	-	-	-	-	-	-	-	-	67.2	67.2	104	

	360° 124.3 ft	Max. 124.3 ft	360° 139.4 ft	Max. 139.4 ft	360° 154.9 ft	Max. 154.9 ft	360° 169.9 ft	Max. 169.9 ft	360° 183.7 ft	Max. 183.7 ft	
ft	1,000 lb										ft
24	307.5	307.5	-	-	-	-	-	-	-	-	24
28	284.8	284.8	249.7	249.7	-	-	-	-	-	-	28
32	263.9	263.9	232.5	232.5	201.1	201.1	175.6	175.6	-	-	32
36	244.1	244.1	218.0	218.0	188.0	188.0	165.1	165.1	141.3	141.3	36
40	224.6	224.6	204.1	204.1	175.6	175.6	155.1	155.1	133.8	133.8	40
48	193.8	193.8	179.6	179.6	155.3	155.3	138.0	138.0	120.1	120.1	48
56	168.8	168.8	158.5	158.5	138.6	138.6	123.5	123.5	107.8	107.8	56
64	148.4	149.4	140.4	140.4	124.2	124.2	111.2	111.2	97.1	97.1	64
72	124.9	130.7	124.7	124.9	112.0	112.0	100.5	100.5	87.7	87.7	72
80	105.5	114.9	105.4	111.9	101.5	101.5	91.5	91.5	79.8	79.8	80
88	90.3	101.6	90.1	100.8	91.1	92.5	83.8	83.8	73.1	73.1	88
96	78.1	90.8	77.9	90.6	79.4	85.0	76.9	76.9	67.3	67.3	96
104	71.4	81.6	68.0	81.3	69.3	78.8	70.8	71.2	62.5	62.5	104
112	63.8	66.6	59.8	73.5	60.9	73.1	62.9	65.9	57.8	57.8	112
120	-	-	53.3	66.9	54.1	67.8	56.0	61.8	53.7	53.7	120
128	-	-	49.9	61.0	48.1	61.9	50.0	57.9	49.7	50.0	128
136	-	-	-	-	43.3	56.7	44.8	54.4	45.0	46.6	136
144	-	-	-	-	40.7	52.2	40.1	51.1	40.1	43.8	144
152	-	-	-	-	-	-	36.1	48.1	36.1	40.9	152
160	-	-	-	-	-	-	-	-	32.3	38.6	160
168	-	-	-	-	-	-	-	-	29.2	36.4	168

\* Max. values are valid only for specific superstructure positions

132,300 lb		360° / Max.*								85%	
ft	360° 48.2 ft	Max. 48.2 ft	360° 63.3 ft	Max. 63.3 ft	360° 78.7 ft	Max. 78.7 ft	360° 93.8 ft	Max. 93.8 ft	360° 108.9 ft	Max. 108.9 ft	ft
1,000 lb											
10	551.2	551.2	-	-	-	-	-	-	-	-	10
12	551.2	551.2	-	-	-	-	-	-	-	-	12
14	551.2	551.2	551.2	551.2	540.1	540.1	-	-	-	-	14
16	531.2	537.2	529.5	534.9	526.8	533.9	-	-	-	-	16
18	495.8	495.8	495.8	495.8	493.6	493.6	448.0	448.0	-	-	18
20	459.2	459.2	459.2	459.2	457.0	457.0	429.4	429.4	363.9	363.9	20
24	386.1	386.1	386.1	386.1	383.9	383.9	386.1	386.1	337.0	337.0	24
28	324.8	324.8	324.8	324.8	327.0	327.0	324.8	324.8	312.5	312.5	28
32	277.6	277.6	277.6	277.6	279.8	279.8	277.6	277.6	277.6	279.3	32
36	228.9	245.8	229.2	245.9	232.2	247.9	229.0	245.5	231.7	248.4	36
40	-	-	182.3	217.8	186.3	220.0	192.2	217.3	187.6	220.4	40
48	-	-	130.2	175.4	136.9	177.4	135.6	178.4	131.3	177.8	48
56	-	-	101.4	145.3	103.1	147.1	101.8	150.0	105.6	147.4	56
64	-	-	-	-	80.9	124.5	84.3	127.4	83.1	124.8	64
72	-	-	-	-	67.9	104.5	68.7	107.6	68.8	104.1	72
80	-	-	-	-	-	-	57.2	89.7	57.8	89.3	80
88	-	-	-	-	-	-	-	-	48.7	79.0	88
96	-	-	-	-	-	-	-	-	41.6	68.2	96
104	-	-	-	-	-	-	-	-	35.9	59.6	104




ft	360° 124.3 ft	Max. 124.3 ft	360° 139.4 ft	Max. 139.4 ft	360° 154.9 ft	Max. 154.9 ft	360° 169.9 ft	Max. 169.9 ft	360° 183.7 ft	Max. 183.7 ft	ft
1,000 lb											
24	307.5	307.5	-	-	-	-	-	-	-	-	24
28	284.8	284.8	249.7	249.7	-	-	-	-	-	-	28
32	257.3	263.9	232.5	232.5	201.1	201.1	175.6	175.6	-	-	32
36	221.1	241.7	207.7	218.0	188.0	188.0	165.1	165.1	141.3	141.3	36
40	184.3	218.6	180.5	204.1	173.7	175.6	155.1	155.1	133.8	133.8	40
48	133.9	176.1	128.7	176.1	130.7	155.2	132.4	138.0	119.8	120.1	48
56	102.6	145.8	102.7	145.6	102.2	138.3	99.8	123.5	100.1	107.8	56
64	83.6	123.0	82.5	121.3	79.8	118.7	77.5	111.2	77.8	97.1	64
72	67.8	102.8	66.5	101.6	63.8	100.0	61.6	99.3	62.1	87.7	72
80	56.3	88.1	55.1	83.9	52.5	85.5	50.3	85.8	50.5	79.8	80
88	47.4	74.5	46.1	71.5	43.6	71.9	41.2	74.0	41.5	72.4	88
96	40.2	65.0	38.9	64.9	36.1	64.1	33.6	63.1	34.0	63.3	96
104	34.2	57.0	32.7	57.2	30.0	56.4	27.6	54.5	27.8	54.8	104
112	29.1	50.2	27.8	51.5	24.9	49.5	22.5	47.7	22.7	47.7	112
120	-	-	23.6	46.2	20.7	43.8	18.3	41.9	18.5	42.2	120
128	-	-	20.0	41.3	17.2	38.9	14.8	36.8	15.0	37.0	128
136	-	-	-	-	14.1	34.6	11.7	32.3	11.9	32.5	136
144	-	-	-	-	11.6	30.8	9.1	28.6	9.2	28.6	144
152	-	-	-	-	-	-	6.8	25.2	6.8	25.2	152
160	-	-	-	-	-	-	-	-	-	22.3	160
168	-	-	-	-	-	-	-	-	-	19.7	168




\* Max. values are valid only for specific superstructure positions

0 lb		360° / Max.*										85%
		360° 48.2 ft	Max. 48.2 ft	360° 63.3 ft	Max. 63.3 ft	360° 78.7 ft	Max. 78.7 ft	360° 93.8 ft	Max. 93.8 ft	360° 108.9 ft	Max. 108.9 ft	
ft	1,000 lb											ft
10	551.2	551.2	-	-	-	-	-	-	-	-	-	10
12	551.2	551.2	-	-	-	-	-	-	-	-	-	12
14	537.0	537.0	535.9	535.9	530.7	530.7	-	-	-	-	-	14
16	479.8	479.8	479.8	479.8	439.4	472.9	-	-	-	-	-	16
18	407.3	429.1	379.5	429.3	344.2	427.0	289.2	427.7	-	-	-	18
20	333.6	385.1	286.7	385.4	261.0	387.3	225.1	382.7	193.1	357.4	-	20
24	190.2	319.8	187.1	320.1	171.1	316.9	161.3	284.6	144.8	256.2	-	24
28	111.4	266.1	124.4	258.1	126.1	243.6	118.8	222.5	111.3	197.1	-	28
32	71.7	220.8	82.7	200.0	90.0	195.3	89.8	177.5	86.7	164.7	-	32
36	52.0	167.1	61.5	164.2	68.0	162.4	69.2	149.1	68.6	143.8	-	36
40	-	-	44.6	132.7	50.4	133.7	51.5	130.9	52.4	120.8	-	40
48	-	-	27.1	89.6	32.0	95.1	32.9	96.1	33.7	92.4	-	48
56	-	-	16.6	63.4	21.0	68.7	21.9	69.6	22.6	70.0	-	56
64	-	-	-	-	13.8	50.7	14.5	51.6	15.2	52.3	-	64
72	-	-	-	-	8.1	38.6	8.9	39.3	9.6	39.9	-	72
80	-	-	-	-	-	-	-	31.1	-	31.6	-	80
88	-	-	-	-	-	-	-	-	-	25.4	-	88
96	-	-	-	-	-	-	-	-	-	20.5	-	96
104	-	-	-	-	-	-	-	-	-	16.6	-	104

		360° 124.3 ft	Max. 124.3 ft	360° 139.4 ft	Max. 139.4 ft	360° 154.9 ft	Max. 154.9 ft	360° 169.9 ft	Max. 169.9 ft	360° 183.7 ft	Max. 183.7 ft	
ft	1,000 lb											ft
24	134.0	225.0	121.8	173.1	-	-	-	-	-	-	-	24
28	101.3	178.9	92.9	163.9	83.0	160.4	-	-	-	-	-	28
32	79.3	152.2	73.2	144.8	65.1	131.5	58.0	117.8	-	-	-	32
36	64.1	131.0	59.8	124.0	52.9	111.0	46.9	99.7	44.6	94.1	-	36
40	50.6	113.1	47.9	103.8	42.2	93.0	36.9	83.8	35.2	80.4	-	40
48	32.2	84.4	30.9	77.8	27.4	69.9	22.4	63.8	21.0	61.5	-	48
56	21.0	65.4	19.9	60.5	15.8	54.6	11.5	49.5	10.6	47.8	-	56
64	13.7	50.5	12.4	47.7	8.2	43.3	-	38.8	-	37.6	-	64
72	7.8	38.4	6.5	36.8	-	34.1	-	30.4	-	29.3	-	72
80	-	30.0	-	28.9	-	26.1	-	23.1	-	22.2	-	80
88	-	23.8	-	22.7	-	20.0	-	17.3	-	16.7	-	88
96	-	18.9	-	17.7	-	15.1	-	12.8	-	12.2	-	96
104	-	14.8	-	13.7	-	11.0	-	8.8	-	8.4	-	104
112	-	11.8	-	10.4	-	7.8	-	-	-	-	-	112
120	-	-	-	7.8	-	-	-	-	-	-	-	120
128	-	-	-	5.5	-	-	-	-	-	-	-	128

\* Max. values are valid only for specific superstructure positions

396,800 lb		360°							85%
		93.8 ft	108.9 ft	124.3 ft	139.4 ft	154.9 ft	169.9 ft	183.7 ft	
ft					1,000 lb				ft
18	387.1	-	-	-	-	-	-	-	18
20	380.3	411.0	-	-	-	-	-	-	20
24	366.9	394.2	362.5	326.4	-	-	-	-	24
28	355.8	369.5	349.1	318.3	272.0	-	-	-	28
32	337.8	333.9	327.3	310.3	265.6	256.8*	-	-	32
36	309.3	306.9	298.3	290.4	258.1	238.5*	217.3*	-	36
40	281.0	278.8	270.0	267.6	249.6	220.3*	202.5*	-	40
48	238.6	236.4	228.4	225.4	224.9	199.9	176.5*	-	48
56	203.6	202.1	197.8	194.6	193.8	187.6	157.1	-	56
64	174.1	172.5	170.1	170.0	169.6	169.1	147.4	-	64
72	150.9	154.6	146.9	155.1	150.3	150.1	138.2	-	72
80	132.1	138.6	128.7	137.5	132.0	134.4	129.6	-	80
88	-	123.6	113.9	122.5	116.9	119.3	119.5	-	88
96	-	108.4	101.2	109.8	104.3	106.5	107.0	-	96
104	-	-	90.5	99.0	93.6	95.8	96.1	-	104
112	-	-	78.4	89.9	84.4	86.6	86.8	-	112
120	-	-	-	81.5	76.5	78.5	79.0	-	120
128	-	-	-	61.9	69.5	71.6	71.9	-	128
136	-	-	-	-	62.8	65.3	65.7	-	136
144	-	-	-	-	52.1	59.8	60.0	-	144
152	-	-	-	-	-	53.8	54.9	-	152
160	-	-	-	-	-	-	50.4	-	160
168	-	-	-	-	-	-	43.8	-	168

264,600 lb		360°							85%
		93.8 ft	108.9 ft	124.3 ft	139.4 ft	154.9 ft	169.9 ft	183.7 ft	
ft					1,000 lb				ft
18	387.1	-	-	-	-	-	-	-	18
20	380.3	411.0	-	-	-	-	-	-	20
24	366.9	392.8	362.5	326.4	-	-	-	-	24
28	354.6	360.4	349.1	318.3	272.0	-	-	-	28
32	325.6	321.3	320.6	310.3	265.6	256.8*	-	-	32
36	289.6	289.6	287.0	284.0	258.1	238.5*	217.3*	-	36
40	258.1	255.9	253.7	254.1	248.4	220.3*	202.5*	-	40
48	211.0	209.6	207.3	208.0	210.7	199.4	176.5*	-	48
56	175.7	178.4	172.2	178.9	175.5	177.8	157.1	-	56
64	148.0	154.1	144.4	153.3	147.9	150.2	147.4	-	64
72	125.5	131.9	121.1	130.6	124.2	127.0	127.5	-	72
80	106.1	112.3	101.7	111.1	104.8	107.4*	108.0	-	80
88	-	96.7	86.1	95.6	89.2	91.9*	92.3*	-	88
96	-	84.1	73.5	82.7	76.5	79.0*	79.4*	-	96
104	-	-	63.1	72.2	66.0	68.5*	68.9*	-	104
112	-	-	54.2	63.5	57.3	60.0*	60.2*	-	112
120	-	-	-	56.5	49.8	52.4*	52.8*	-	120
128	-	-	-	40.8	43.4	45.9*	46.3*	-	128
136	-	-	-	-	37.8	40.2*	40.7*	-	136
144	-	-	-	-	33.1	35.3*	35.7*	-	144
152	-	-	-	-	-	31.2*	31.4*	-	152
160	-	-	-	-	-	-	27.6*	-	160
168	-	-	-	-	-	-	24.3*	-	168



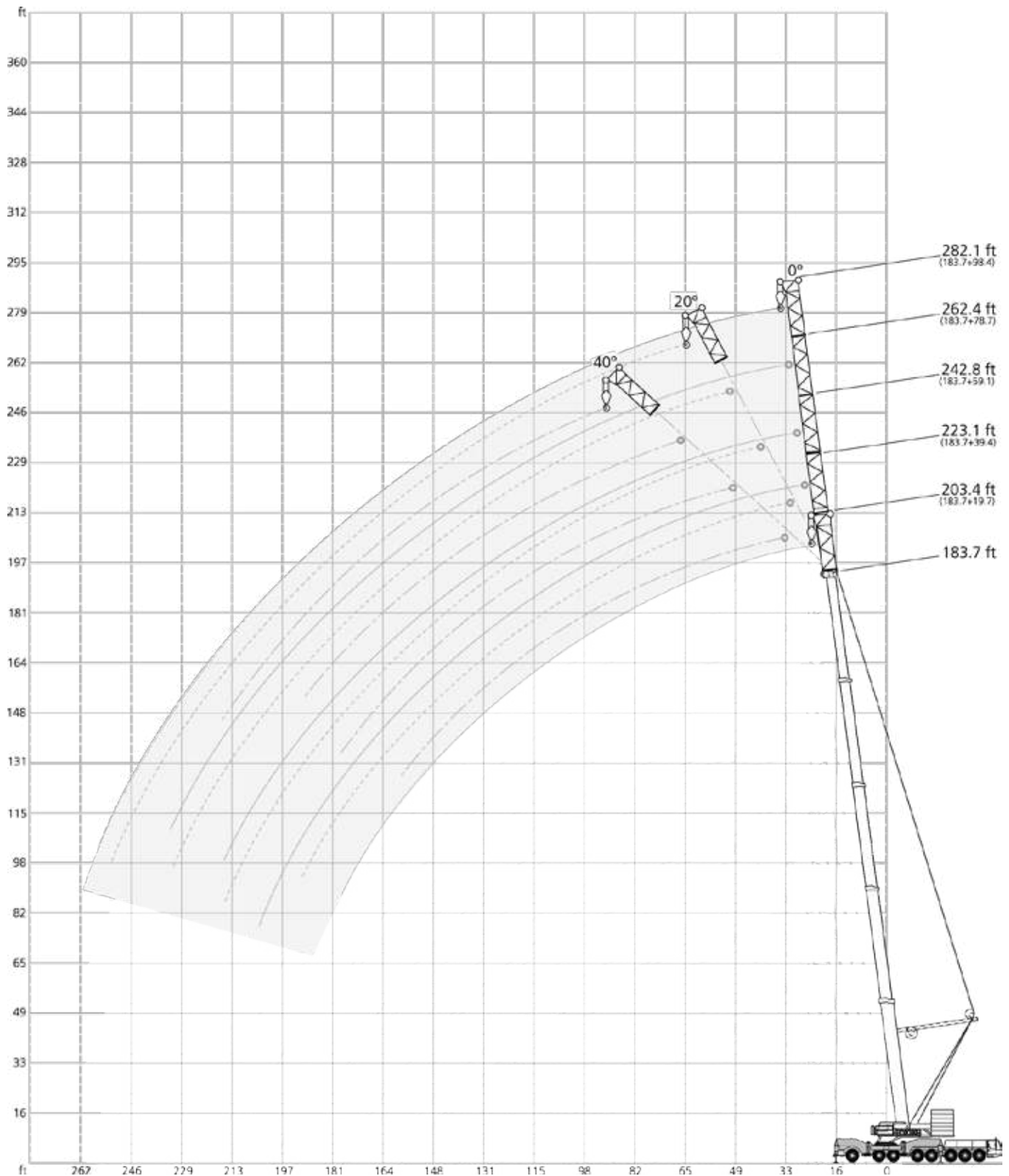
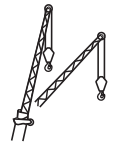
176,400 lb		360°							85%
ft	93.8 ft	108.9 ft	124.3 ft	139.4 ft	154.9 ft	169.9 ft	183.7 ft	ft	
1,000 lb									
18	387.1	-	-	-	-	-	-	18	
20	380.3	411.0	-	-	-	-	-	20	
24	366.9	385.8	362.5	326.4	-	-	-	24	
28	340.5	334.8	334.9	318.3	272.0	-	-	28	
32	297.5	295.3	292.5	293.7	265.6	256.8*	-	32	
36	260.9	260.9	258.7	258.7	247.4	238.5*	217.3*	36	
40	228.0	227.8	225.6	225.5	225.1	218.9*	202.1*	40	
48	174.4	181.7	169.3	180.3	172.9	172.5*	169.5*	48	
56	131.3	138.3	126.4	137.2	129.7	132.9*	133.5*	56	
64	102.1	108.9	97.5	107.7	100.8	103.7*	104.4*	64	
72	81.6	88.2	76.9	87.1	80.2	83.1*	83.5*	72	
80	66.8	73.2	62.1	72.1	65.5	68.2*	68.6*	80	
88	-	61.6	49.9	60.5	53.6	56.7*	57.1*	88	
96	-	52.5	40.5	51.1	43.9	46.9*	47.3*	96	
104	-	-	32.7	43.0	36.0	38.8*	39.3*	104	
112	-	-	26.4	36.5	29.4	32.3*	32.7*	112	
120	-	-	-	31.0	24.0	26.8*	27.1*	120	
128	-	-	-	17.0	19.5	22.0*	22.5*	128	
136	-	-	-	-	15.6	18.0*	18.3*	136	
144	-	-	-	-	12.3	14.5*	14.7*	144	
152	-	-	-	-	-	11.5*	11.8*	152	
160	-	-	-	-	-	-	9.2*	160	
168	-	-	-	-	-	-	6.9*	168	

\*  30°



# HAV / HAV-SSL



# AC 500-8












308,600 lb													360°			85%		
183.7 ft																		
ft	19.7 ft	39.4 ft			59.1 ft			78.7 ft			98.4 ft			ft				
	0°	0°	20°	40°*	0°	20°	40°*	0°	20°	40°*	0°	20°	40°*					
1,000 lb																		
40	105.8	-	-	-	-	-	-	-	-	-	-	-	-	40				
48	94.8	80.5	-	-	67.0	-	-	-	-	-	-	-	-	48				
56	85.3	72.3	61.6	-	61.1	-	-	53.2	-	-	46.4	-	-	56				
64	77.2	65.3	57.3	-	55.9	-	-	48.9	-	-	42.6	-	-	64				
72	70.0	59.2	53.2	47.2	51.2	41.7	-	45.1	-	-	39.3	-	-	72				
80	64.2	54.2	49.5	44.8	47.2	39.3	34.0	41.6	33.0	-	36.4	-	-	80				
88	59.1	49.9	46.1	42.4	43.7	37.2	32.6	38.6	31.2	-	33.8	-	-	88				
96	54.7	46.3	43.0	39.9	40.4	35.2	31.2	35.9	29.4	25.2	31.4	24.9	-	96				
104	50.5	42.9	40.2	37.6	37.8	33.3	29.9	33.6	27.9	24.2	29.3	23.5	-	104				
112	46.8	40.0	37.8	35.4	35.2	31.4	28.6	31.2	26.4	23.3	27.5	22.4	19.4	112				
120	43.6	37.3	35.4	33.4	33.0	29.8	27.5	29.3	25.1	22.5	25.6	21.4	18.5	120				
128	40.4	34.8	33.4	31.4	30.9	28.1	26.2	27.5	23.9	21.7	24.1	20.3	17.7	128				
136	37.6	32.5	31.3	29.5	28.9	26.6	25.2	25.9	22.7	20.7	22.6	19.2	16.9	136				
144	35.2	30.3	29.6	28.1	27.2	25.2	24.1	24.3	21.7	19.9	21.2	18.3	16.3	144				
152	32.8	28.4	28.0	26.5	25.4	23.9	23.0	22.7	20.6	19.1	20.1	17.3	15.6	152				
160	30.9	26.7	26.4	25.2	24.0	22.7	22.1	21.4	19.7	18.4	18.8	16.5	15.0	160				
168	29.2	25.1	24.9	-	22.5	21.5	21.1	20.1	18.8	17.7	17.8	15.7	14.5	168				
176	27.6	23.8	23.6	-	21.1	20.4	20.2	18.7	18.0	16.9	16.7	14.9	14.0	176				
184	26.1	22.5	22.3	-	20.0	19.4	-	17.6	17.1	16.2	15.6	14.1	13.4	184				
192	-	21.4	21.1	-	18.7	18.3	-	16.5	16.1	15.5	14.6	13.3	12.9	192				
200	-	20.3	19.9	-	17.7	17.2	-	15.5	15.2	15.0	13.6	12.6	12.4	200				
208	-	-	-	-	16.7	16.2	-	14.5	14.5	-	12.8	11.7	11.8	208				
216	-	-	-	-	15.7	15.3	-	13.5	13.5	-	12.0	11.1	11.3	216				
224	-	-	-	-	-	-	-	12.7	12.6	-	11.1	10.4	-	224				
232	-	-	-	-	-	-	-	11.9	11.8	-	10.1	9.7	-	232				
240	-	-	-	-	-	-	-	11.1	-	-	9.3	9.0	-	240				
248	-	-	-	-	-	-	-	-	-	-	8.5	8.2	-	248				
256	-	-	-	-	-	-	-	-	-	-	7.7	7.5	-	256				

88,200 lb													360°			85%		
183.7 ft																		
ft	19.7 ft	39.4 ft			59.1 ft			78.7 ft			98.4 ft			ft				
	0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°					
1,000 lb																		
40	105.8	-	-	-	-	-	-	-	-	-	-	-	-	40				
48	92.4	80.5	-	-	67.0	-	-	-	-	-	-	-	-	48				
56	72.8	69.3	61.6	-	61.1	-	-	53.2	-	-	46.4	-	-	56				
64	55.7	54.4	57.3	-	52.9	-	-	48.9	-	-	42.6	-	-	64				
72	43.3	42.1	48.1	47.2	41.9	41.7	-	41.6	-	-	39.3	-	-	72				
80	34.0	33.0	38.2	42.5	33.0	38.8	34.0	33.0	33.0	-	33.2	-	-	80				
88	26.7	25.9	30.5	34.2	25.9	32.7	32.6	26.1	31.2	-	26.4	-	-	88				
96	20.7	20.1	24.1	27.3	20.3	26.0	30.3	20.5	27.7	25.2	20.9	24.9	-	96				
104	15.8	15.5	18.9	21.6	15.6	20.9	25.4	15.8	22.7	24.2	16.4	23.5	-	104				
112	11.7	11.5	14.5	16.7	11.7	16.3	20.5	11.9	18.3	23.2	12.6	20.3	19.4	112				
120	8.3	8.1	10.6	12.6	8.6	12.7	16.3	8.8	14.4	19.6	9.4	16.4	18.5	120				
128	-	-	7.4	9.0	5.7	9.6	12.7	6.2	11.1	15.7	6.7	13.1	17.7	128				
136	-	-	-	6.0	-	6.8	9.3	-	8.3	12.4	-	10.1	15.5	136				
144	-	-	-	-	-	-	6.3	-	5.8	9.6	-	7.6	12.5	144				
152	-	-	-	-	-	-	-	-	-	6.9	-	-	9.8	152				
160	-	-	-	-	-	-	-	-	-	-	-	-	7.3	160				
168	-	-	-	-	-	-	-	-	-	-	-	-	5.2	168				

\* 264,600 lb

396,800 lb		360°												85%	
 183.7 ft		 0°													
ft	19.7 ft		39.4 ft			59.1 ft			78.7 ft			98.4 ft			ft
	0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
1,000 lb															
32	110.2	-	-	-	-	-	-	-	-	-	-	-	-	32	
36	110.2	-	-	-	-	-	-	-	-	-	-	-	-	36	
40	110.2	100.6	-	-	82.4	-	-	-	-	-	-	-	-	40	
48	110.2	98.9	-	-	81.4	-	-	65.9	-	-	54.6	-	-	48	
56	110.2	96.5	83.6	-	79.9	-	-	62.4	-	-	52.0	-	-	56	
64	108.2	93.5	79.9	66.2	77.8	57.1	-	59.1	-	-	49.4	-	-	64	
72	104.8	90.2	76.4	63.6	75.2	54.1	-	55.8	39.3	-	46.8	-	-	72	
80	101.3	86.4	72.6	61.1	72.2	51.4	41.0	52.7	37.6	-	44.4	-	-	80	
88	97.5	82.5	68.8	58.8	68.9	49.0	39.8	49.8	35.9	-	42.2	30.4	-	88	
96	93.6	78.6	65.2	56.8	65.6	46.7	38.5	47.0	34.4	28.5	39.9	29.1	-	96	
104	89.6	74.8	61.7	54.9	62.3	44.8	37.6	44.4	33.2	27.7	37.7	27.7	-	104	
112	85.5	70.8	58.5	53.0	58.9	42.9	36.6	42.0	31.9	27.1	35.8	26.6	21.8	112	
128	73.3	63.9	53.3	49.8	52.9	39.8	34.7	37.8	29.9	25.9	32.2	24.6	20.5	128	
144	61.3	57.7	49.5	47.2	47.7	37.3	33.3	34.5	28.0	24.9	29.2	23.0	19.4	144	
160	51.6	51.6	46.3	-	43.2	35.2	32.5	31.8	26.5	24.1	26.6	21.4	18.6	160	
168	47.4	47.4	45.0	-	41.2	34.3	32.1	30.6	25.8	23.7	25.7	20.7	18.2	168	
176	43.4	43.7	43.2	-	39.5	33.5	31.8	29.6	25.2	23.4	24.7	20.1	17.9	176	
184	-	40.2	41.1	-	37.9	32.8	-	28.6	24.7	23.1	23.8	19.6	17.6	184	
192	-	37.1	37.9	-	36.5	32.3	-	28.0	24.1	22.9	23.0	19.1	17.4	192	
200	-	33.7	-	-	34.9	31.9	-	27.2	23.7	-	22.3	18.5	17.1	200	
208	-	-	-	-	32.4	31.6	-	26.4	23.2	-	21.6	18.0	17.0	208	
216	-	-	-	-	29.6	30.7	-	25.8	22.7	-	21.0	17.7	16.8	216	
224	-	-	-	-	-	-	-	25.3	22.5	-	20.4	17.4	-	224	
232	-	-	-	-	-	-	-	24.6	22.2	-	19.8	17.1	-	232	
240	-	-	-	-	-	-	-	-	-	-	19.1	16.8	-	240	
248	-	-	-	-	-	-	-	-	-	-	18.6	16.6	-	248	
256	-	-	-	-	-	-	-	-	-	-	17.9	-	-	256	

220,500 lb		360°												85%		
 183.7 ft		 0°														
ft	19.7 ft			39.4 ft			59.1 ft			78.7 ft			98.4 ft			ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lb																
32	110.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
36	110.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36
40	110.2	100.6	-	-	82.4	-	-	-	-	-	-	-	-	-	-	40
48	110.2	98.9	-	-	81.4	-	-	65.9	-	-	54.6	-	-	-	-	48
56	110.2	96.5	83.6	-	79.9	-	-	62.4	-	-	52.0	-	-	-	-	56
64	108.2	93.5	79.9	66.2	77.8	57.1	-	59.1	-	-	49.4	-	-	-	-	64
72	104.8	90.2	76.4	63.6	75.2	54.1	-	55.8	39.3	-	46.8	-	-	-	-	72
80	91.1	86.1	72.6	61.1	72.2	51.4	41.0	52.7	37.6	-	44.4	-	-	-	-	80
88	77.2	77.6	68.8	58.8	68.9	49.0	39.8	49.8	35.9	-	42.2	30.4	-	-	-	88
96	65.9	66.4	65.2	56.8	65.6	46.7	38.5	47.0	34.4	28.5	39.9	29.1	-	-	-	96
104	56.7	57.1	60.2	54.9	58.4	44.8	37.6	44.4	33.2	27.7	37.7	27.7	-	-	-	104
112	48.8	49.2	52.5	52.9	50.5	42.9	36.6	42.0	31.9	27.1	35.8	26.6	21.8	-	-	112
128	36.2	36.6	39.5	41.5	37.9	39.8	34.7	37.8	29.9	25.9	32.2	24.6	20.5	-	-	128
144	26.9	27.1	29.3	30.9	28.4	32.0	33.3	30.0	28.0	24.9	29.2	23.0	19.4	-	-	144
152	23.1	23.3	25.4	26.5	24.6	27.9	29.8	26.2	27.2	24.5	26.8	22.2	19.0	-	-	152
160	19.6	19.8	21.6	-	21.1	24.1	26.2	22.6	25.8	24.1	24.2	21.4	18.6	-	-	160
168	16.6	16.8	18.3	-	18.0	20.7	22.4	19.5	23.0	23.7	21.1	20.7	18.2	-	-	168
176	13.9	14.2	15.4	-	15.3	17.7	19.0	16.7	20.1	22.3	18.2	20.1	17.9	-	-	176
184	-	11.6	12.7	-	12.7	14.9	-	14.0	17.1	19.3	15.6	19.5	17.6	-	-	184
192	-	9.5	10.3	-	10.6	12.4	-	11.9	14.7	16.5	13.3	17.0	17.4	-	-	192
200	-	7.4	-	-	8.5	10.0	-	9.8	12.4	-	11.2	14.6	16.4	-	-	200
208	-	-	-	-	6.6	8.0	-	8.0	10.2	-	9.3	12.4	14.4	-	-	208
216	-	-	-	-	5.0	6.1	-	6.3	8.1	-	7.4	10.3	12.1	-	-	216
224	-	-	-	-	-	-	-	-	6.4	-	6.0	8.4	-	-	-	224
232	-	-	-	-	-	-	-	-	-	-	-	6.6	-	-	-	232

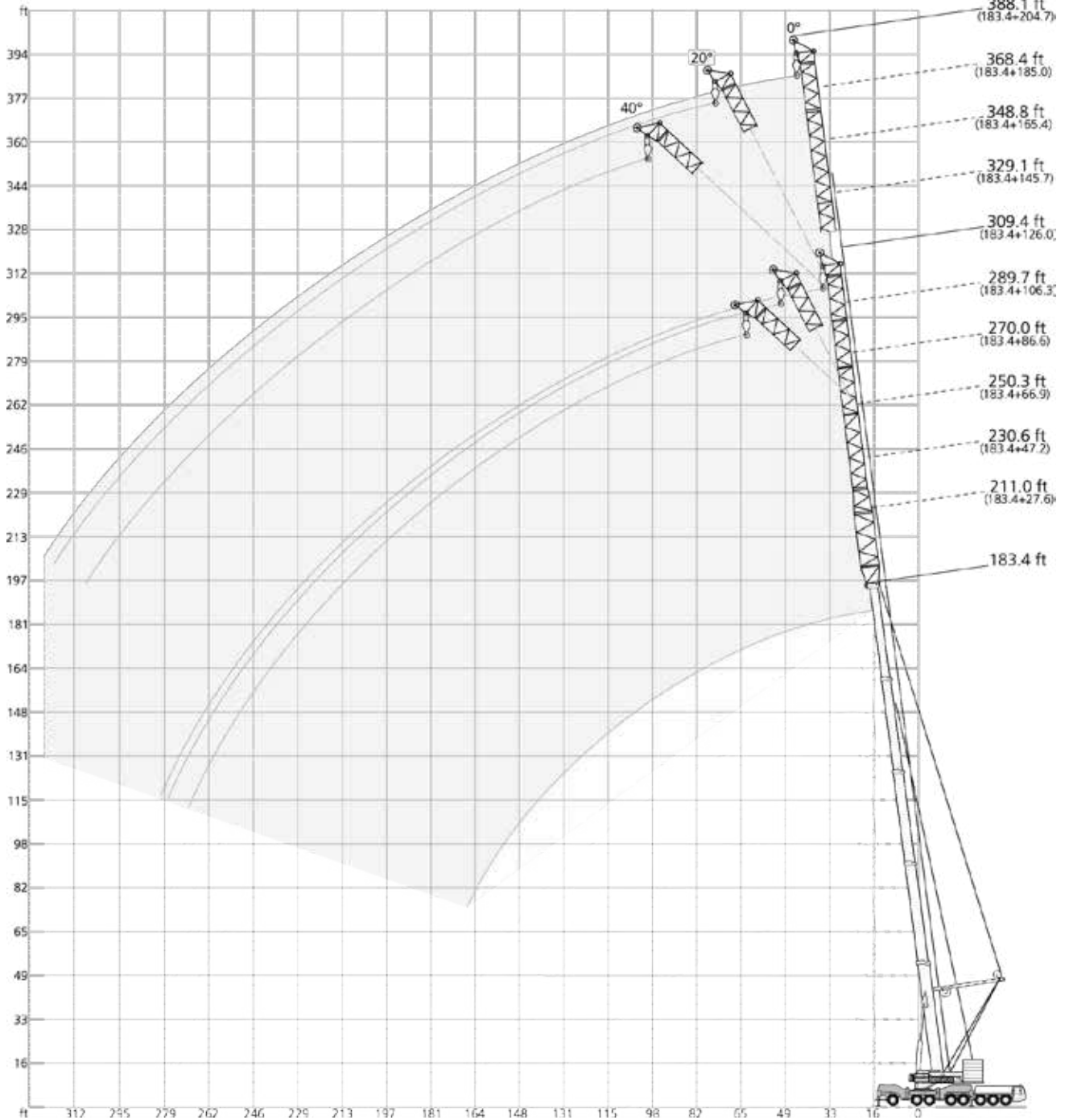
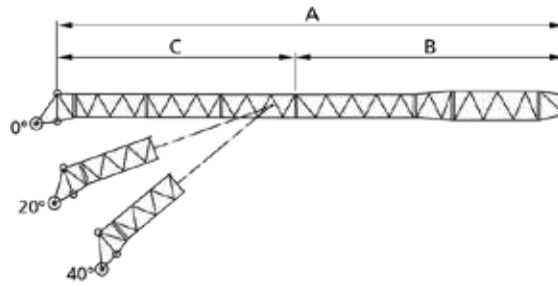
396,800 lb		360°				85%
 183.7 ft		 30°				
ft	 39.4 ft 0°	 59.1 ft 0°	 78.7 ft 0°	 98.4 ft 0°		
ft	1,000 lb				ft	
40	107.7	92.0	-	-	40	
48	103.6	86.9	71.1	61.6	48	
56	99.1	82.1	65.0	56.2	56	
64	94.1	77.3	59.7	51.4	64	
72	88.7	72.6	55.0	47.3	72	
80	83.4	68.3	51.0	43.8	80	
88	78.0	64.1	47.6	40.7	88	
96	72.8	60.2	44.5	38.0	96	
104	67.8	56.6	42.2	35.8	104	
112	63.0	53.2	39.8	33.6	112	
120	59.0	50.0	37.9	32.0	120	
128	55.2	47.2	36.0	30.4	128	
136	51.9	44.6	34.4	29.0	136	
144	48.6	42.2	32.9	27.6	144	
152	45.7	40.1	31.6	26.4	152	
160	42.8	38.0	30.2	25.2	160	
168	40.3	36.1	28.9	24.2	168	
176	37.7	34.2	27.7	23.2	176	
184	35.2	32.3	26.6	22.2	184	
192	32.8	30.6	25.7	21.4	192	
200	30.2	28.9	24.7	20.5	200	
208	-	26.9	23.6	19.8	208	
216	-	25.0	22.7	19.1	216	
224	-	-	21.7	18.4	224	
232	-	-	20.6	17.8	232	
240	-	-	-	16.9	240	
248	-	-	-	16.4	248	

220,500 lb		360°				85%
183.7 ft		30°				
ft	39.4 ft 0°	59.1 ft 0°	78.7 ft 0°	98.4 ft 0°	ft	
1,000 lb						
40	107.7	92.0	-	-	40	
48	103.6	86.9	71.1	61.6	48	
56	99.1	82.1	65.0	56.2	56	
64	94.1	77.3	59.7	51.4	64	
72	88.7	72.6	55.0	47.3	72	
80	83.4	68.3	51.0	43.8	80	
88	76.5	64.1	47.6	40.7	88	
96	66.4	60.2	44.5	38.0	96	
104	57.1	56.6	42.2	35.8	104	
112	49.2	50.5	39.8	33.6	112	
120	42.4	43.9	37.9	32.0	120	
128	36.6	37.9	36.0	30.4	128	
136	31.7	33.0	33.3	29.0	136	
144	27.1	28.4	29.9	27.6	144	
152	23.3	24.6	26.2	26.1	152	
160	19.8	21.1	22.6	24.2	160	
168	16.8	18.0	19.5	21.1	168	
176	14.2	15.3	16.7	18.2	176	
184	11.6	12.7	14.0	15.6	184	
192	9.5	10.6	11.9	13.3	192	
200	7.3	8.4	9.7	11.3	200	
208	-	6.6	7.9	9.3	208	
216	-	5.0	6.3	7.4	216	
224	-	-	-	6.0	224	



A	B	C
		0° / 20° / 40°
86.6 ft	48.9 ft	37.7 ft
106.3 ft	48.9 ft	57.4 ft
126.0 ft	68.6 ft	57.4 ft
145.7 ft	68.6 ft	77.0 ft
165.4 ft	88.2 ft	77.0 ft
185.0 ft	88.2 ft	96.8 ft
204.7 ft	107.9 ft	96.8 ft

(27.6 ft, 47.2 ft and 66.9 ft only 0°)



360°													85%
183.4 ft													
ft	27.6 ft 0°	47.2 ft 0°	66.9 ft 0°	86.6 ft			106.3 ft			126.0 ft			ft
				0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lb													
48	88.0	74.9	-	-	-	-	-	-	-	-	-	48	
56	78.2	67.1	60.1	50.6	-	-	-	-	-	-	-	56	
64	70.0	60.4	54.8	46.1	-	-	40.7	-	-	35.7	-	64	
72	62.8	54.4	49.9	42.0	38.0	-	37.1	-	-	32.5	-	72	
80	57.2	49.5	45.9	38.6	35.1	33.2	34.1	30.1	-	29.8	-	80	
88	52.1	45.0	42.0	35.4	32.5	31.0	31.3	27.9	-	27.2	24.9	88	
96	47.6	41.1	38.5	32.6	30.2	28.9	28.8	26.0	24.3	24.9	23.0	96	
104	44.0	37.7	35.5	30.1	28.2	27.1	26.6	24.2	22.9	22.9	21.4	104	
112	40.6	34.7	32.7	27.7	26.4	25.3	24.6	22.6	21.3	21.1	19.8	112	
120	37.7	32.1	30.4	25.8	24.8	23.9	22.8	21.1	20.2	19.5	18.4	120	
128	34.9	29.8	28.3	24.0	23.1	22.4	21.2	19.7	19.0	18.0	17.1	128	
136	32.5	27.6	26.2	22.4	21.7	21.2	19.7	18.5	17.9	16.8	15.9	136	
144	30.4	25.8	24.5	20.9	20.3	19.9	18.5	17.5	16.8	15.6	14.8	144	
152	28.4	24.0	22.9	19.4	19.1	18.8	17.3	16.4	15.9	14.4	13.9	152	
160	26.7	22.4	21.5	18.1	17.9	17.8	16.0	15.4	15.0	13.3	13.0	160	
168	24.9	20.9	20.1	16.8	16.7	16.8	14.9	14.4	14.2	12.3	12.2	168	
176	23.2	19.6	18.9	15.6	15.7	15.9	13.8	13.6	13.4	11.4	11.4	176	
184	21.4	18.4	17.9	14.6	14.7	15.0	12.9	12.8	12.8	10.6	10.6	184	
192	19.7	17.2	17.0	13.7	13.7	13.9	11.9	12.0	12.0	9.8	9.7	192	
200	17.9	16.1	16.1	12.8	12.7	12.8	11.0	11.1	11.3	9.1	9.0	200	
208	-	15.0	15.2	11.9	11.9	-	10.3	10.3	10.5	8.4	8.4	208	
216	-	13.7	14.4	11.1	11.2	-	9.5	9.6	9.8	7.5	7.8	216	
224	-	-	13.6	10.5	10.5	-	8.9	9.0	-	7.0	7.2	224	
232	-	-	12.8	9.8	9.8	-	8.2	8.4	-	6.5	6.7	232	
240	-	-	-	9.2	9.2	-	7.7	7.9	-	5.9	6.1	240	
248	-	-	-	8.7	-	-	7.1	7.4	-	5.4	5.6	248	
256	-	-	-	8.2	-	-	6.6	6.8	-	4.8	5.1	256	
264	-	-	-	-	-	-	6.3	6.3	-	-	-	264	
272	-	-	-	-	-	-	5.8	-	-	-	-	272	

ft	145.7 ft			165.4 ft			185.0 ft			204.7 ft			ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lb													
72	29.4	-	-	-	-	-	-	-	-	-	-	72	
80	27.0	-	-	23.7	-	-	20.9	-	-	-	-	80	
88	24.7	-	-	21.6	-	-	19.3	-	-	16.7	-	88	
96	22.7	20.6	-	19.8	-	-	17.7	-	-	15.2	-	96	
104	20.8	19.1	-	18.1	16.9	-	16.2	-	-	13.8	-	104	
112	19.1	17.8	16.7	16.5	15.6	-	14.7	13.6	-	12.5	-	112	
120	17.6	16.5	15.6	15.1	14.5	14.1	13.4	12.5	-	11.3	10.8	120	
128	16.3	15.3	14.7	13.8	13.4	13.0	12.1	11.6	-	10.1	9.9	128	
136	15.0	14.2	13.7	12.6	12.4	12.1	11.0	10.7	10.5	9.1	9.0	136	
144	13.9	13.3	12.8	11.6	11.3	11.3	10.1	9.7	9.7	8.0	8.2	144	
152	12.9	12.3	12.0	10.7	10.5	10.5	9.1	8.9	8.9	6.9	7.4	152	
160	11.9	11.4	11.2	9.7	9.7	9.7	8.2	8.1	8.2	6.1	6.6	160	
168	11.1	10.6	10.4	8.9	8.9	8.9	7.4	7.3	7.5	5.4	5.8	168	
176	10.3	9.9	9.7	8.3	8.1	8.1	6.7	6.7	6.9	4.7	5.1	176	
184	9.5	9.2	9.0	7.6	7.5	7.5	6.0	6.2	6.4	-	-	184	
192	8.7	8.6	8.5	6.9	6.8	6.9	5.4	5.5	5.6	-	-	192	
200	7.9	7.9	7.9	6.2	6.2	6.4	4.9	4.9	5.1	-	-	200	
208	7.3	7.3	7.4	5.6	5.6	5.9	-	-	4.7	-	-	208	
216	6.7	6.8	6.9	5.1	5.1	5.3	-	-	-	-	-	216	
224	6.1	6.3	6.3	-	-	4.8	-	-	-	-	-	224	
232	5.6	5.8	5.8	-	-	-	-	-	-	-	-	232	
240	5.0	5.3	5.5	-	-	-	-	-	-	-	-	240	
248	4.7	4.7	4.9	-	-	-	-	-	-	-	-	248	

88,200 lb 132,300 lb 176,400 lb 220,500 lb 264,600 lb 308,700 lb 352,800 lb



360°											85%					
ft	27.6 ft		47.2 ft		66.9 ft		86.6 ft			106.3 ft			126.0 ft			ft
	0°	30°	0°	30°	0°	30°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lb																
40	157.7*	-	-	-	-	-	-	-	-	-	-	-	-	-	40	
48	142.8*	120.0*	-	-	-	-	-	-	-	-	-	-	-	-	48	
56	129.0*	108.4*	91.4*	-	-	-	78.4*	-	-	68.1*	-	-	-	-	56	
64	116.8*	98.3*	83.2*	71.3*	54.8	-	62.0*	-	-	62.0*	-	-	54.6*	-	64	
72	105.8*	89.7*	76.2*	65.0*	51.0	43.9	56.8*	-	-	56.8*	-	-	49.9*	-	72	
80	96.3*	82.5*	70.5*	60.0*	47.8	41.5	52.3*	38.2	-	52.3*	38.2	-	46.0*	34.7	80	
88	89.6	75.9*	65.3*	55.3*	44.7	39.4	48.2*	35.9	30.9	48.2*	35.9	30.9	42.3*	32.6	88	
96	84.1	70.1*	60.9*	51.3*	42.0	37.5	44.5*	33.7	29.7	44.5*	33.7	29.7	38.9*	30.6	96	
104	79.1	65.3	57.1*	47.8*	39.7	35.7	41.5*	31.8	28.4	41.5*	31.8	28.4	36.0*	28.9	104	
112	74.2	61.3	53.6*	44.6*	37.4	33.9	38.7*	29.9	27.3	38.7*	29.9	27.3	33.4*	27.0	112	
120	68.6	58.0	50.5*	42.1*	35.5	32.4	36.2*	28.3	26.1	36.2*	28.3	26.1	31.2*	25.6	120	
128	62.7	54.8	47.4*	39.6*	33.7	31.0	34.1*	26.7	24.8	34.1*	26.7	24.8	29.3*	24.1	128	
144	51.2	49.3	41.5*	35.3*	30.6	28.4	30.5*	23.9	22.5	30.5*	23.9	22.5	26.0*	21.5	144	
160	42.0	42.8	37.3	31.4*	27.9	26.1	27.4*	21.6	20.5	27.4*	21.6	20.5	23.2*	19.3	160	
176	34.1	35.2	34.2	27.8*	25.5	24.2	24.9*	19.8	18.7	24.9*	19.8	18.7	20.9*	17.5	176	
184	30.6	31.7	32.8	26.2*	24.5	23.2	23.7*	18.9	17.8	23.7*	18.9	17.8	19.8*	16.7	184	
192	27.4*	28.4	31.3	24.6*	23.6	22.4	22.5*	18.2	17.1	22.5*	18.2	17.1	18.8*	15.9	192	
200	24.1	25.4	29.4	23.4	22.7	-	21.4*	17.6	16.5	21.4*	17.6	16.5	17.9*	15.3	200	
208	-	22.8	26.5	22.5	21.8	-	20.3*	17.1	16.1	20.3*	17.1	16.1	17.0*	14.6	208	
216	-	20.2	24.0	21.7	21.0	-	19.3*	16.6	-	19.3*	16.6	-	16.1*	13.9	216	
224	-	-	21.7	20.4	20.2	-	18.3*	16.2	-	18.3*	16.2	-	15.3*	13.4	224	
232	-	-	19.5	18.8	19.1	-	17.3*	15.8	-	17.3*	15.8	-	14.5*	12.8	232	
240	-	-	-	17.0	17.4	-	16.2*	15.4	-	16.2*	15.4	-	13.7*	12.3	240	
248	-	-	-	15.2	-	-	15.1*	14.9	-	15.1*	14.9	-	12.9*	11.8	248	
256	-	-	-	-	-	-	13.9*	14.5	-	13.9*	14.5	-	12.3*	11.2	256	
264	-	-	-	-	-	-	12.4*	-	-	12.4*	-	-	11.4*	10.7	264	
272	-	-	-	-	-	-	11.0*	-	-	11.0*	-	-	10.3*	10.2	272	
280	-	-	-	-	-	-	-	-	-	-	-	-	9.0*	-	280	
288	-	-	-	-	-	-	-	-	-	-	-	-	7.7*	-	288	

ft	145.7 ft			165.4 ft			185.0 ft			204.7 ft			ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lb													
64	48.0*	-	-	-	-	-	-	-	-	-	-	-	64
72	44.2*	-	-	39.1*	-	-	-	-	-	-	-	-	72
80	40.7*	-	-	36.1*	-	-	32.2*	-	-	28.5*	-	-	80
88	37.4*	26.3	-	33.3*	-	-	29.7*	-	-	26.2*	-	-	88
96	34.6*	25.1	-	30.8*	23.2	-	27.4*	-	-	24.2*	-	-	96
104	32.0*	23.8	-	28.4*	21.8	-	25.3*	-	-	22.3*	-	-	104
112	29.7*	22.6	19.4	26.1*	20.4	18.0	23.3*	18.2	-	20.4*	15.4	-	112
120	27.8*	21.4	18.7	24.4*	19.2	17.1	21.7*	17.2	-	18.8*	14.6	-	120
128	26.0*	20.3	18.0	22.7*	18.1	16.2	20.1*	16.1	-	17.3*	13.8	-	128
136	24.4*	19.2	17.2	21.1*	17.0	15.3	18.6*	15.0	13.6	16.0*	13.0	12.0	136
144	23.0*	18.2	16.5	19.8*	16.0	14.6	17.4*	14.0	12.8	14.7*	12.2	11.4	144
160	20.5*	16.3	15.1	17.5*	14.1	13.1	15.1*	12.3	11.4	12.6*	10.5	9.9	160
176	18.2*	14.7	14.0	15.6*	12.7	11.8	13.3*	10.7	10.0	10.9*	8.9	8.5	176
192	16.6*	13.3	12.9	13.7*	11.3	10.7	11.8*	9.3	8.7	9.4*	7.3	7.1	192
200	15.8*	12.8	12.4	13.0*	10.6	10.2	11.1*	8.5	8.2	8.8*	6.4	6.3	200
208	15.0*	12.3	11.8	12.3*	10.1	9.7	10.4*	7.8	7.5	8.2*	5.5	5.6	208
216	14.2*	11.7	11.5	11.5*	9.5	9.3	9.7*	7.3	6.9	7.5*	4.7	4.9	216
224	13.5*	11.2	11.0	11.0*	9.0	8.8	9.1*	6.6	6.3	7.1*	-	-	224
232	12.8*	10.7	10.5	10.4*	8.4	8.5	8.4*	6.0	5.8	6.7*	-	-	232
240	12.1*	10.3	10.1	9.8*	7.9	8.1	8.0*	5.5	5.1	6.1*	-	-	240
248	11.5*	10.0	-	9.1*	7.5	7.6	7.6*	4.9	4.5	5.7*	-	-	248
256	10.8*	9.7	-	8.6*	7.0	7.3	7.0*	-	-	5.3*	-	-	256
264	10.1*	9.2	-	8.2*	6.5	-	6.5*	-	-	-	-	-	264
272	9.5*	8.9	-	7.7*	6.0	-	6.1*	-	-	-	-	-	272
280	8.9	8.6	-	7.2*	5.7	-	5.7*	-	-	-	-	-	280
288	8.1	8.3	-	6.7*	5.1	-	5.2*	-	-	-	-	-	288
296	7.2	7.9	-	6.1*	-	-	-	-	-	-	-	-	296
304	6.1	-	-	5.6*	-	-	-	-	-	-	-	-	304
312	5.0	-	-	-	-	-	-	-	-	-	-	-	312

360°													85%			
169.9 ft																
ft	27.6 ft		47.2 ft		66.9 ft		86.6 ft			106.3 ft			126.0 ft			ft
	0°	0°	0°	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lb																
40	116.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40
48	103.0	86.7	74.1	-	-	-	-	-	-	-	-	-	-	-	-	48
56	91.4	78.0	67.1	58.0	-	-	50.3	-	-	-	-	-	-	-	-	56
64	81.9	70.4	60.9	52.7	46.0	-	45.8	-	-	-	40.4	-	-	-	-	64
72	73.8	63.9	55.5	47.9	42.4	-	41.8	-	-	-	36.9	-	-	-	-	72
80	67.6	58.5	51.0	43.9	39.2	36.9	38.3	33.7	-	-	33.8	30.3	-	-	-	80
88	61.9	53.4	46.9	40.2	36.4	34.5	35.0	31.2	-	-	30.9	27.9	-	-	-	88
96	57.0	49.0	43.6	37.1	33.9	32.2	32.3	29.1	27.2	-	28.3	26.0	24.6	-	-	96
104	52.7	45.3	40.7	34.4	31.6	30.2	29.9	27.1	25.6	-	26.2	24.2	23.1	-	-	104
112	48.5	41.9	38.0	31.9	29.5	28.3	27.7	25.3	24.2	-	24.2	22.4	21.5	-	-	112
120	45.0	39.0	35.7	29.8	27.8	27.0	25.8	23.9	22.8	-	22.4	21.0	20.2	-	-	120
136	38.8	33.8	31.5	26.4	24.8	24.0	22.6	21.1	20.3	-	19.3	18.2	17.9	-	-	136
152	33.7	30.0	28.0	23.4	22.2	21.8	19.9	18.8	18.3	-	16.8	16.1	15.9	-	-	152
168	29.8	26.6	24.9	20.9	20.0	19.9	17.8	16.8	16.6	-	14.7	14.2	14.0	-	-	168
176	28.2	25.1	23.6	19.8	19.0	19.0	16.7	16.0	15.8	-	13.8	13.3	13.2	-	-	176
184	26.8	23.8	22.5	18.7	18.1	18.1	15.8	15.2	15.0	-	12.9	12.5	12.5	-	-	184
192	-	22.4	21.4	17.9	17.2	-	15.0	14.5	14.4	-	12.2	11.9	11.8	-	-	192
200	-	21.1	20.3	16.9	16.4	-	14.2	13.8	13.7	-	11.5	11.1	11.3	-	-	200
208	-	-	19.5	16.2	15.6	-	13.6	13.1	-	-	10.7	10.5	10.7	-	-	208
216	-	-	18.6	15.3	14.9	-	12.8	12.5	-	-	10.2	10.0	10.2	-	-	216
224	-	-	17.7	14.5	14.2	-	12.3	11.8	-	-	9.6	9.4	-	-	-	224
232	-	-	-	13.9	13.5	-	11.5	11.3	-	-	9.1	8.9	-	-	-	232
240	-	-	-	13.1	-	-	11.0	11.0	-	-	8.6	8.4	-	-	-	240
248	-	-	-	-	-	-	10.5	10.5	-	-	8.1	8.0	-	-	-	248
256	-	-	-	-	-	-	9.9	-	-	-	7.7	7.7	-	-	-	256
264	-	-	-	-	-	-	9.6	-	-	-	7.4	7.2	-	-	-	264
272	-	-	-	-	-	-	-	-	-	-	6.9	-	-	-	-	272
280	-	-	-	-	-	-	-	-	-	-	6.5	-	-	-	-	280

ft	145.7 ft			165.4 ft			185.0 ft			204.7 ft			ft	
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°		
1,000 lb														
64	36.5	-	-	-	-	-	-	-	-	-	-	-	-	64
72	33.4	-	-	29.6	-	-	-	-	-	-	-	-	-	72
80	30.7	-	-	27.2	-	-	24.4	-	-	-	21.3	-	-	80
88	28.1	-	-	24.8	-	-	22.3	-	-	-	19.5	-	-	88
96	25.8	23.2	-	22.7	21.0	-	20.4	-	-	-	17.7	-	-	96
104	23.7	21.6	-	20.8	19.4	-	18.6	-	-	-	16.2	-	-	104
112	21.7	20.0	18.9	19.1	18.0	-	16.9	15.8	-	-	14.7	14.0	-	112
120	20.1	18.6	17.8	17.6	16.7	16.1	15.6	14.7	-	-	13.4	13.0	-	120
128	18.6	17.4	16.7	16.2	15.4	15.0	14.3	13.7	-	-	12.1	11.9	-	128
136	17.3	16.3	15.7	14.9	14.4	13.9	13.1	12.6	12.2	-	11.0	10.9	10.9	136
152	15.1	14.3	13.9	12.7	12.3	12.2	10.9	10.7	10.5	-	8.9	9.0	9.2	152
168	13.0	12.6	12.2	11.1	10.6	10.6	9.1	9.1	9.1	-	7.3	7.3	7.7	168
176	12.2	11.8	11.5	10.3	9.9	9.9	8.5	8.4	8.4	-	6.5	6.6	7.0	176
184	11.5	11.0	10.8	9.5	9.2	9.2	7.8	7.7	7.7	-	5.8	5.9	6.4	184
192	10.7	10.3	10.2	8.7	8.6	8.5	7.2	7.0	7.2	-	5.2	5.4	5.6	192
200	10.0	9.7	9.7	8.0	7.9	7.9	6.6	6.4	6.6	-	4.6	4.9	5.1	200
208	9.4	9.2	9.2	7.4	7.4	7.4	6.1	5.9	6.1	-	-	-	4.5	208
216	8.9	8.6	8.6	6.9	6.9	6.9	5.5	5.4	5.5	-	-	-	-	216
224	8.3	8.1	8.1	6.3	6.3	6.3	5.2	5.0	5.0	-	-	-	-	224
232	7.8	7.6	7.7	5.8	5.8	5.9	-	-	4.6	-	-	-	-	232
240	7.2	7.1	7.2	5.4	5.3	5.5	-	-	-	-	-	-	-	240
248	6.7	6.7	-	4.9	4.9	5.1	-	-	-	-	-	-	-	248
256	6.4	6.4	-	-	-	-	-	-	-	-	-	-	-	256
264	6.0	5.9	-	-	-	-	-	-	-	-	-	-	-	264
272	5.6	5.6	-	-	-	-	-	-	-	-	-	-	-	272
280	5.4	5.4	-	-	-	-	-	-	-	-	-	-	-	280
288	5.1	5.1	-	-	-	-	-	-	-	-	-	-	-	288
296	4.8	-	-	-	-	-	-	-	-	-	-	-	-	296

88,200 lb 132,300 lb 176,400 lb 220,500 lb 264,600 lb 308,700 lb 352,800 lb

360°											85%					
ft	27.6 ft		47.2 ft		66.9 ft		86.6 ft			106.3 ft			126.0 ft			ft
	0°	30°	0°	30°	0°	30°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lb																
36	173.0*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36
40	164.8*	144.8*	125.7*	-	-	-	-	-	-	-	-	-	-	-	-	40
48	149.7*	131.3*	113.0*	94.6*	-	-	-	-	-	78.9*	-	-	-	-	-	48
56	135.7*	119.0*	102.0*	86.2*	65.1	-	-	-	-	72.4*	-	-	63.8*	-	-	56
64	123.1*	108.2*	92.2*	78.8*	60.4	-	-	-	-	66.6*	-	-	59.0*	-	-	64
72	115.2	98.5*	84.0*	72.2*	56.1	48.8	-	-	-	61.4*	45.0	-	54.5*	-	-	72
80	108.6	90.7	77.2*	66.7*	52.4	46.2	-	-	-	57.0*	42.1	-	50.6*	38.4	-	80
88	102.2	85.0	71.0	61.6*	49.0	43.7	-	-	-	52.8*	39.5	34.7	46.9*	35.9	31.2	88
96	96.0	79.5	66.6	57.1*	46.0	41.4	-	-	-	49.2*	37.1	33.3	43.6*	33.6	29.7	96
104	87.4	74.5	62.4	53.2*	43.3	39.4	-	-	-	46.0*	34.9	31.7	40.7*	31.6	28.4	104
120	70.0	65.8	55.0	46.6*	38.7	35.6	-	-	-	40.5*	30.9	28.9	35.6*	27.9	25.6	120
136	56.7	57.6	48.7	41.1*	35.0	32.5	-	-	-	36.0*	27.5	25.9	31.5*	24.6	23.2	136
152	46.6	47.7	44.0	36.5*	31.8	29.8	-	-	-	32.2*	24.5	23.4	28.0*	22.1	21.0	152
168	38.3	39.4	40.2	32.4*	28.9	27.5	-	-	-	28.8*	22.5	21.4	25.1*	19.8	18.9	168
176	34.5	35.6	38.6	30.7*	27.7	26.4	-	-	-	27.3*	21.5	20.4	23.8*	18.9	18.0	176
184	-	32.1	36.0	29.0*	26.6	-	-	-	-	25.7*	20.7	19.6	22.5*	18.1	17.2	184
192	-	28.9	32.9	28.0*	25.6	-	-	-	-	24.4*	19.9	18.8	21.4*	17.2	16.4	192
200	-	26.1	29.9	27.2*	24.5	-	-	-	-	23.1*	19.4	18.3	20.3*	16.4	15.6	200
208	-	-	27.2	25.9*	23.5	-	-	-	-	21.8*	18.9	-	19.2*	15.7	14.8	208
216	-	-	24.6	24.1*	22.6	-	-	-	-	20.8*	18.3	-	18.1*	15.0	14.2	216
224	-	-	-	21.8*	21.6	-	-	-	-	20.0*	17.8	-	17.3*	14.4	-	224
232	-	-	-	19.7*	-	-	-	-	-	19.3*	17.3	-	16.3*	13.7	-	232
240	-	-	-	17.7*	-	-	-	-	-	18.1*	16.9	-	15.3*	13.2	-	240
248	-	-	-	-	-	-	-	-	-	16.5*	16.4	-	14.6*	12.5	-	248
256	-	-	-	-	-	-	-	-	-	14.8*	-	-	14.1*	11.9	-	256
264	-	-	-	-	-	-	-	-	-	-	-	-	12.7*	11.4	-	264
272	-	-	-	-	-	-	-	-	-	-	-	-	11.4*	-	-	272

ft	145.7 ft			165.4 ft			185.0 ft			204.7 ft			ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lb													
56	55.9*	-	-	-	-	-	-	-	-	-	-	-	56
64	51.7*	-	-	45.6*	-	-	-	-	-	-	-	-	64
72	47.9*	-	-	42.8*	-	-	-	39.1*	-	-	-	-	72
80	44.6*	-	-	40.0*	-	-	-	36.1*	-	-	-	32.2*	80
88	41.4*	29.3	-	37.3*	27.4	-	-	33.3*	-	-	-	29.7*	88
96	38.6*	27.8	-	34.9*	25.6	-	-	30.8*	-	-	-	27.4*	96
104	35.9*	26.4	22.8	32.6*	24.0	-	-	28.5*	21.6	-	-	25.3*	104
112	33.4*	25.1	21.8	30.3*	22.4	20.0	-	26.3*	20.2	-	-	23.3*	112
120	31.4*	23.7	20.8	28.3*	21.1	18.9	-	24.5*	18.9	-	-	21.5*	120
128	29.4*	22.4	19.9	26.3*	19.8	17.9	-	22.7*	17.6	16.0	-	19.9*	128
136	27.5*	21.0	19.1	24.5*	18.6	16.9	-	21.1*	16.6	15.0	-	18.4*	136
144	26.0*	19.9	18.3	22.9*	17.4	16.0	-	19.7*	15.5	14.1	-	17.0*	144
160	23.0*	17.9	16.7	19.9*	15.2	14.3	-	17.3*	13.5	12.5	-	14.8*	160
176	20.5*	16.0	15.3	17.4*	13.6	12.9	-	15.3*	11.6	10.9	-	12.9*	176
192	18.3*	14.4	14.2	15.5*	12.0	11.6	-	13.7*	10.2	9.6	-	11.3*	192
200	17.4*	13.9	13.5	14.5*	11.3	11.0	-	12.9*	9.4	8.9	-	10.5*	200
208	16.4*	13.3	12.9	13.7*	10.7	10.5	-	12.2*	8.7	8.2	-	9.8*	208
216	15.5*	12.6	12.4	13.1*	10.2	10.0	-	11.5*	8.0	7.5	-	9.1*	216
224	14.7*	12.2	11.8	12.3*	9.6	9.4	-	10.7*	7.4	7.0	-	8.5*	224
232	13.9*	11.7	11.3	11.7*	9.1	9.0	-	10.2*	6.9	6.5	-	8.0*	232
240	13.2*	11.2	-	11.0*	8.7	8.6	-	9.7*	6.2	5.8	-	7.5*	240
248	12.5*	10.8	-	10.5*	8.2	8.2	-	9.1*	5.6	5.2	-	6.9*	248
256	11.7*	10.4	-	9.9*	7.9	-	-	8.6*	5.1	-	-	6.4*	256
264	11.0*	10.0	-	9.4*	7.4	-	-	8.1*	4.5	-	-	6.0*	264
272	10.4*	9.6	-	8.8*	6.9	-	-	7.5*	-	-	-	5.5*	272
280	10.1*	9.1	-	8.3*	6.5	-	-	7.0*	-	-	-	5.1*	280
288	9.2*	-	-	7.8*	6.0	-	-	6.6*	-	-	-	4.7*	288
296	8.3*	-	-	7.2*	5.5	-	-	6.1*	-	-	-	-	296
304	-	-	-	6.6*	-	-	-	5.6*	-	-	-	-	304
312	-	-	-	5.8*	-	-	-	5.1*	-	-	-	-	312
320	-	-	-	-	-	-	-	4.7*	-	-	-	-	320

360°													85%
139.4 ft													
ft	27.6 ft 0°	47.2 ft 0°	66.9 ft 0°	86.6 ft			106.3 ft			126.0 ft			ft
				0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lb													
36	162.8	-	-	-	-	-	-	-	-	-	-	36	
40	150.7	136.3	107.0	-	-	-	-	-	-	-	-	40	
48	130.7	118.3	98.9	94.4	-	-	-	-	-	-	-	48	
56	114.7	103.7	91.3	84.6	69.8	-	74.1	-	-	64.9	-	56	
64	101.7	91.6	83.7	76.1	66.0	-	68.6	-	-	60.4	-	64	
72	91.3	81.8	76.7	68.7	62.3	54.7	63.2	47.9	-	56.1	-	72	
80	83.2	74.3	70.2	62.7	58.5	52.4	58.3	45.2	39.2	52.2	43.4	80	
88	75.7	67.5	64.0	57.1	54.6	50.0	53.6	42.8	37.7	48.4	40.9	88	
96	69.4	61.9	58.4	52.4	51.0	47.5	49.2	40.3	36.2	44.8	38.4	96	
104	63.8	56.9	53.6	48.3	47.4	45.1	45.2	38.2	34.8	41.5	36.4	104	
120	54.5	48.4	45.6	41.3	41.0	40.2	38.3	34.2	31.9	35.6	32.5	120	
136	46.9	41.7	39.6	35.7	35.6	35.5	32.8	30.5	29.2	30.7	29.3	136	
144	43.6	39.1	37.4	33.3	33.2	33.4	30.5	28.7	27.8	28.6	27.8	144	
152	40.3	36.7	35.2	31.1	31.1	31.4	28.4	27.1	26.5	26.6	26.2	152	
160	-	34.6	33.4	29.2	29.2	29.4	26.7	25.5	25.2	24.8	24.7	160	
168	-	32.6	31.7	27.5	27.3	-	25.1	24.1	24.0	23.3	23.4	168	
176	-	30.9	30.2	26.0	25.6	-	23.8	22.7	22.8	21.8	21.9	176	
184	-	-	28.6	24.5	24.0	-	22.7	21.3	-	20.5	20.5	184	
192	-	-	27.0	23.1	22.4	-	21.6	20.3	-	19.2	19.3	192	
200	-	-	-	22.1	20.7	-	20.5	19.2	-	18.1	18.0	200	
208	-	-	-	21.0	-	-	19.4	18.3	-	17.1	16.8	208	
216	-	-	-	-	-	-	18.6	17.5	-	16.2	15.7	216	
224	-	-	-	-	-	-	17.5	-	-	15.3	14.7	224	
232	-	-	-	-	-	-	16.4	-	-	14.5	13.9	232	
240	-	-	-	-	-	-	-	-	-	13.5	-	240	
248	-	-	-	-	-	-	-	-	-	12.8	-	248	

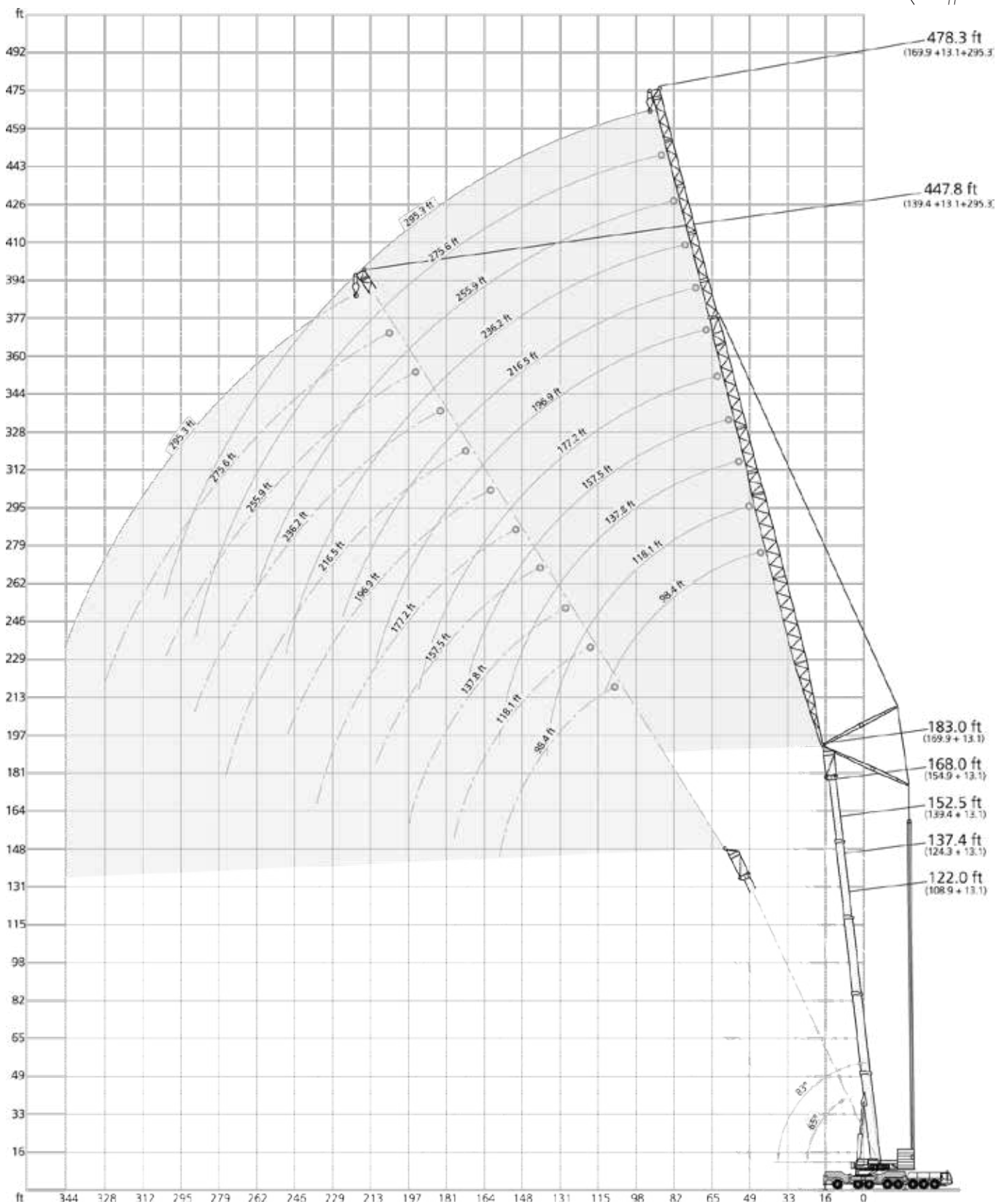
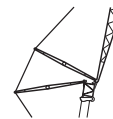
ft	145.7 ft			165.4 ft			185.0 ft			204.7 ft			ft
	0°	20°	40°	0°	20°	40°	0°	20°	40°	0°	20°	40°	
1,000 lb													
56	57.4	-	-	-	-	-	-	-	-	-	-	56	
64	53.1	-	-	45.6	-	-	-	-	-	-	-	64	
72	49.0	-	-	42.0	-	-	37.1	-	-	32.2	-	72	
80	45.5	-	-	38.7	-	-	34.3	-	-	29.7	-	80	
88	42.2	33.3	-	35.7	30.7	-	31.6	-	-	27.2	-	88	
96	39.1	31.8	-	33.0	28.9	-	29.2	24.1	-	24.9	-	96	
104	36.4	30.4	26.3	30.8	27.5	-	27.0	22.9	-	22.9	21.4	104	
112	33.8	29.2	26.0	28.8	25.9	24.6	25.0	21.8	-	21.1	20.0	112	
120	31.5	28.0	25.4	26.9	24.6	23.3	23.4	20.7	-	19.6	18.9	120	
128	29.4	26.8	24.9	25.2	23.4	22.0	21.9	19.7	19.0	18.2	17.6	128	
136	27.5	25.6	24.2	23.9	22.2	21.0	20.4	18.8	18.0	16.8	16.6	136	
144	25.8	24.5	23.4	22.5	21.0	19.9	19.1	17.9	17.0	15.6	15.7	144	
152	24.1	23.4	22.5	21.2	20.0	18.8	17.9	17.0	16.2	14.4	14.8	152	
160	22.6	22.3	21.6	20.2	19.1	17.8	16.9	16.1	15.4	13.6	13.9	160	
168	21.2	21.1	20.6	19.1	18.2	16.9	15.8	15.3	14.6	12.8	13.0	168	
176	19.8	20.0	19.6	18.0	17.1	16.0	14.9	14.4	13.9	12.0	12.3	176	
184	18.7	18.9	18.7	16.9	16.1	15.2	14.0	13.6	13.2	11.3	11.7	184	
192	17.6	17.8	17.6	15.9	15.3	14.5	13.1	13.0	12.4	10.7	11.0	192	
200	16.6	16.8	16.6	14.9	14.3	13.7	12.3	12.2	11.7	10.0	10.4	200	
208	15.5	15.7	15.7	13.9	13.4	13.0	11.5	11.4	11.0	9.4	9.7	208	
216	14.4	14.6	14.8	13.0	12.6	12.2	10.8	10.6	10.4	8.9	9.1	216	
224	13.6	13.6	-	12.1	11.8	11.6	10.1	9.8	9.8	8.3	8.5	224	
232	12.7	12.6	-	11.1	10.9	10.9	9.3	9.2	9.1	7.8	8.0	232	
240	11.8	11.6	-	10.2	10.1	-	8.6	8.3	8.6	7.2	7.5	240	
248	11.0	10.9	-	9.3	9.4	-	7.8	7.8	8.0	6.6	6.7	248	
256	10.1	10.1	-	8.6	8.7	-	7.0	7.1	-	5.7	6.2	256	
264	9.3	-	-	7.6	7.8	-	6.2	6.5	-	5.1	-	264	
272	8.6	-	-	6.7	7.3	-	5.5	6.0	-	-	-	272	
280	-	-	-	5.8	-	-	4.7	-	-	-	-	280	
288	-	-	-	4.9	-	-	-	-	-	-	-	288	

88,200 lb 132,300 lb 176,400 lb 220,500 lb 264,600 lb 308,700 lb 352,800 lb

# WIHI / WIHI-SSL

HA 83°-65°

# AC 500-8





360°													85%														
63.3 ft + 13.1 ft																											
78.7 ft													98.4 ft			118.1 ft			137.8 ft			157.5 ft			177.2 ft		
83° 73° 65°													83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°		
ft	1,000 lb																										
48	239.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
56	219.9	-	-	198.9	-	-	171.9	-	-	139.6	-	-	-	-	-	-	-	-	-	-	-	-					
64	195.2	-	-	187.3	-	-	170.3	-	-	139.6	-	-	114.6	-	-	-	-	-	-	-	-	-					
72	172.4	-	-	171.2	-	-	167.4	-	-	139.6	-	-	114.6	-	-	102.1	-	-	-	-	-	-					
80	154.5	146.7	-	153.6	145.4	-	151.9	-	-	138.7	-	-	114.6	-	-	101.5	-	-	-	-	-	-					
88	-	132.6	-	138.9	131.5	-	137.2	129.6	-	132.6	-	-	113.7	-	-	101.0	-	-	-	-	-	-					
96	-	121.0	115.8	126.5	119.7	-	124.8	117.8	-	123.1	-	-	110.2	-	-	100.5	-	-	-	-	-	-					
104	-	-	106.3	103.9	109.7	105.0	114.3	107.9	-	112.6	105.9	-	106.1	107.2	-	99.7	-	-	-	-	-	-					
112	-	-	-	-	101.2	96.6	104.9	99.2	94.6	103.6	97.5	-	102.0	98.6	-	99.1	97.0	-	-	-	-	-					
120	-	-	-	-	-	89.7	86.1	91.9	87.5	95.9	90.1	-	96.8	91.2	-	95.7	89.7	-	-	-	-	-					
128	-	-	-	-	-	-	-	85.5	81.4	88.8	83.6	79.4	90.4	84.8	-	88.8	83.2	-	-	-	-	-					
136	-	-	-	-	-	-	-	79.9	75.9	76.7	77.9	74.0	84.2	79.0	75.1	82.8	77.5	-	-	-	-	-					
144	-	-	-	-	-	-	-	-	71.2	58.0	72.8	69.2	78.3	73.9	70.1	77.4	72.3	-	-	-	-	-					
152	-	-	-	-	-	-	-	-	-	-	68.4	64.7	70.0	69.3	65.8	72.5	67.8	64.0	-	-	-	-					
160	-	-	-	-	-	-	-	-	-	-	-	60.7	56.4	64.8	61.6	67.9	63.5	60.1	-	-	-	-					
168	-	-	-	-	-	-	-	-	-	-	-	-	-	61.0	57.8	61.0	59.7	56.5	-	-	-	-					
176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.5	51.4	56.1	53.0	-	-	-	-					
184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52.9	50.1	-	-	-	-					
192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49.9	47.3	-	-	-	-					
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.7	-	-	-	-					

196.9 ft													216.5 ft			236.2 ft			255.9 ft			275.6 ft			295.3 ft		
83° 73° 65°													83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°		
ft	1,000 lb																										
80	86.4	-	-	68.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
88	86.0	-	-	68.4	-	-	60.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
96	85.6	-	-	67.8	-	-	60.5	-	-	47.8	-	-	39.2	-	-	-	-	-	-	-	-	-					
104	85.4	-	-	67.3	-	-	60.2	-	-	47.7	-	-	38.6	-	-	31.8	-	-	-	-	-	-					
112	84.6	-	-	66.5	-	-	59.9	-	-	47.4	-	-	38.1	-	-	31.3	-	-	-	-	-	-					
120	83.9	-	-	66.1	-	-	59.5	-	-	47.3	-	-	37.5	-	-	30.7	-	-	-	-	-	-					
128	83.0	80.0	-	65.7	65.7	-	59.1	-	-	47.1	-	-	36.8	-	-	30.1	-	-	-	-	-	-					
136	81.4	76.7	-	65.2	65.0	-	58.5	-	-	46.6	-	-	36.3	-	-	29.4	-	-	-	-	-	-					
144	76.7	71.6	-	64.6	64.2	-	57.8	59.6	-	45.9	-	-	35.7	-	-	28.9	-	-	-	-	-	-					
152	71.9	67.1	-	64.0	63.5	-	57.2	59.0	-	45.3	46.8	-	34.9	-	-	28.3	-	-	-	-	-	-					
160	67.4	62.9	59.4	63.1	61.1	-	56.7	58.1	-	44.6	46.1	-	34.1	35.5	-	27.6	-	-	-	-	-	-					
168	63.3	59.1	55.9	61.4	57.5	54.0	56.1	55.7	-	44.0	45.6	-	33.4	34.7	-	27.1	28.1	-	-	-	-	-					
176	59.4	55.4	52.5	58.0	54.1	50.7	55.4	52.3	-	43.3	45.1	-	32.7	34.0	-	26.5	27.4	-	-	-	-	-					
184	53.7	52.3	49.5	54.7	50.8	47.9	53.2	49.2	46.0	42.4	44.5	-	32.1	33.4	-	26.0	26.9	-	-	-	-	-					
192	47.0	49.3	46.6	51.1	47.7	45.1	50.1	46.4	43.3	41.5	43.9	42.7	31.4	32.7	-	25.4	26.3	-	-	-	-	-					
200	38.1	46.8	43.9	47.0	45.2	42.5	47.3	43.7	40.8	40.5	42.8	40.3	30.7	32.0	-	24.8	25.6	-	-	-	-	-					
208	-	44.3	41.8	41.4	42.8	40.1	44.3	41.2	38.5	39.5	41.0	38.0	30.0	31.1	32.4	24.2	25.0	-	-	-	-	-					
216	-	-	39.6	34.8	40.5	37.9	41.2	39.0	36.3	38.4	38.7	35.9	29.4	30.5	31.6	23.6	24.3	25.4	-	-	-	-					
224	-	-	-	-	38.4	36.0	36.1	36.9	34.4	37.2	36.7	34.0	28.7	29.8	30.8	23.1	23.9	24.7	-	-	-	-					
232	-	-	-	-	-	34.1	30.4	35.0	32.6	35.5	34.7	32.1	28.0	29.1	30.0	22.6	23.4	24.1	-	-	-	-					
240	-	-	-	-	-	32.5	-	33.3	30.9	32.6	32.8	30.4	27.4	28.5	29.3	22.0	22.9	23.6	-	-	-	-					
248	-	-	-	-	-	-	-	31.3	29.2	28.3	31.2	28.7	26.9	27.9	28.2	21.5	22.4	23.0	-	-	-	-					
256	-	-	-	-	-	-	-	-	-	-	29.7	27.1	26.4	27.3	26.9	20.9	22.0	22.5	-	-	-	-					
264	-	-	-	-	-	-	-	-	-	-	28.3	25.8	24.6	26.8	25.4	20.5	21.5	22.1	-	-	-	-					
272	-	-	-	-	-	-	-	-	-	-	-	24.4	21.4	26.2	24.1	20.1	21.1	21.7	-	-	-	-					
280	-	-	-	-	-	-	-	-	-	-	-	23.1	-	25.1	22.8	19.7	20.8	21.3	-	-	-	-					
288	-	-	-	-	-	-	-	-	-	-	-	-	23.9	21.5	18.0	20.5	20.5	-	-	-	-	-					
296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.3	19.5	-	-	-	-					
304	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.0	18.6	-	-	-	-					
312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.7	-	-	-	-					

132,300lb 176,400lb 220,500lb 264,600lb 308,700lb 352,800lb 396,800lb





360°													85%														
78.7 ft + 13.1 ft																											
78.7 ft													98.4 ft			118.1 ft			137.8 ft			157.5 ft			177.2 ft		
83° 73° 65°													83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°		
ft													1,000 lb														
56	210.3	-	-	187.5	-	-	159.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
64	192.1	-	-	176.8	-	-	157.1	-	-	130.7	-	-	-	-	-	-	-	-	-	-	-	-					
72	170.9	-	-	166.2	-	-	155.2	-	-	130.7	-	-	-	109.8	-	-	-	-	-	96.8	-	-					
80	153.2	143.7	-	152.2	-	-	148.2	-	-	130.5	-	-	-	109.8	-	-	-	-	-	96.2	-	-					
88	-	129.9	-	137.5	128.7	-	135.8	-	-	127.7	-	-	-	109.7	-	-	-	-	-	95.5	-	-					
96	-	118.3	-	125.3	117.0	-	123.6	115.3	-	120.9	-	-	-	108.0	-	-	-	-	-	94.8	-	-					
104	-	-	102.8	114.4	107.2	-	113.2	105.3	-	111.5	103.5	-	-	104.9	-	-	-	-	-	94.2	-	-					
112	-	-	-	-	98.8	93.5	104.3	97.0	-	102.5	95.0	-	-	101.8	96.4	-	-	-	-	93.7	-	-					
120	-	-	-	-	-	86.5	93.1	89.7	84.5	94.9	87.9	-	-	96.2	89.1	-	-	-	-	92.3	86.5	-					
128	-	-	-	-	-	80.5	-	83.3	78.6	88.1	81.5	76.5	89.5	82.7	-	-	-	-	-	87.9	81.1	-					
136	-	-	-	-	-	-	-	77.9	73.2	80.7	75.9	71.3	83.5	77.0	-	-	-	-	-	82.0	75.5	-					
144	-	-	-	-	-	-	-	-	68.5	65.2	71.0	66.6	78.1	72.1	67.7	-	-	-	-	76.5	70.3	-					
152	-	-	-	-	-	-	-	-	-	-	66.4	62.3	72.4	67.5	63.4	71.7	66.0	61.6	-	-	-	-					
160	-	-	-	-	-	-	-	-	-	-	-	58.3	61.7	63.3	59.4	67.2	62.0	57.8	-	-	-	-					
168	-	-	-	-	-	-	-	-	-	-	-	54.7	-	59.5	55.7	61.7	58.2	54.3	-	-	-	-					
176	-	-	-	-	-	-	-	-	-	-	-	-	-	55.9	52.3	55.0	54.5	51.0	-	-	-	-					
184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49.4	-	51.5	48.0	-	-	-	-					
192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.6	45.3	-	-	-	-					
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.8	-	-	-	-					
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.7	-	-	-	-					



196.9 ft													216.5 ft			236.2 ft			255.9 ft			275.6 ft			295.3 ft		
83° 73° 65°													83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°		
ft													1,000 lb														
80	81.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
88	81.2	-	-	63.8	-	-	57.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
96	80.6	-	-	63.4	-	-	56.7	-	-	46.3	-	-	-	-	-	-	-	-	-	-	-	-					
104	80.1	-	-	62.9	-	-	56.5	-	-	46.1	-	-	-	36.2	-	-	-	-	-	-	-	-					
112	79.6	-	-	62.4	-	-	56.2	-	-	45.8	-	-	-	35.9	-	-	-	-	30.6	-	-	-					
120	79.0	-	-	61.8	-	-	55.9	-	-	45.6	-	-	-	35.7	-	-	-	-	30.1	-	-	-					
128	78.5	76.7	-	61.4	-	-	55.6	-	-	45.4	-	-	-	35.4	-	-	-	-	29.5	-	-	-					
136	77.9	74.1	-	61.0	-	-	55.2	-	-	45.3	-	-	-	35.1	-	-	-	-	29.0	-	-	-					
144	75.7	69.7	-	60.4	60.9	-	54.9	-	-	44.8	-	-	-	34.6	-	-	-	-	28.3	-	-	-					
152	71.1	65.2	-	59.9	60.3	-	54.4	52.4	-	44.2	-	-	-	34.1	-	-	-	-	27.7	-	-	-					
160	66.8	61.2	-	59.5	59.0	-	54.1	52.1	-	43.7	44.0	-	-	33.5	-	-	-	-	27.2	-	-	-					
168	62.7	57.6	53.5	58.4	55.9	-	53.8	51.3	-	43.2	43.7	-	-	32.8	34.1	-	-	-	26.6	-	-	-					
176	58.8	54.1	50.3	57.1	52.5	-	53.4	50.2	-	42.8	43.3	-	-	32.3	33.6	-	-	-	26.1	27.2	-	-					
184	55.4	50.9	47.4	54.1	49.4	45.6	52.0	47.6	-	42.2	43.0	-	-	31.6	33.1	-	-	-	25.4	26.7	-	-					
192	51.0	48.0	44.7	51.0	46.4	42.9	49.5	44.9	41.1	41.5	42.6	-	-	31.0	32.5	-	-	-	24.8	26.1	-	-					
200	42.1	45.4	42.3	48.2	43.9	40.5	46.8	42.3	38.7	40.6	41.9	-	-	30.4	31.8	-	-	-	24.3	25.4	-	-					
208	-	43.1	40.0	43.6	41.5	38.2	44.2	39.9	36.5	39.6	39.7	36.0	-	29.7	31.2	-	-	-	23.7	24.8	-	-					
216	-	40.9	37.8	37.7	39.2	36.1	41.8	37.6	34.3	38.6	37.4	33.9	-	29.1	30.7	31.8	-	-	23.2	24.3	-	-					
224	-	-	36.1	-	37.3	34.2	38.4	35.7	32.4	37.7	35.4	32.1	28.6	30.0	31.0	-	-	-	22.9	23.7	24.9	-					
232	-	-	-	-	-	32.6	34.0	33.9	30.6	36.4	33.4	30.4	28.0	29.4	29.9	-	-	-	22.4	23.3	24.3	-					
240	-	-	-	-	-	30.8	-	32.1	29.0	34.4	31.7	28.6	27.4	28.8	28.2	-	-	-	22.0	22.8	23.8	-					
248	-	-	-	-	-	-	-	30.5	27.4	30.6	30.0	26.9	26.9	28.2	26.6	-	-	-	21.5	22.4	23.2	-					
256	-	-	-	-	-	-	-	-	25.8	-	28.4	25.3	26.4	27.5	25.1	-	-	-	20.9	22.0	22.7	-					
264	-	-	-	-	-	-	-	-	24.6	-	26.9	24.0	25.8	26.5	23.8	-	-	-	20.5	21.6	22.3	-					
272	-	-	-	-	-	-	-	-	-	-	-	22.7	23.5	25.3	22.5	-	-	-	20.2	21.2	21.5	-					
280	-	-	-	-	-	-	-	-	-	-	-	21.5	-	24.0	21.2	-	-	-	19.9	20.8	20.2	-					
288	-	-	-	-	-	-	-	-	-	-	-	-	-	22.8	19.9	-	-	-	18.9	20.5	19.1	-					
296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.9	-	-	-	20.2	18.0	-	-					
304	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.9	-	-	-	19.5	17.1	-	-					
312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.1	-	-					
320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.2	-					

132,300lb 176,400lb 220,500lb 264,600lb 308,700lb 352,800lb 396,800lb





360°													85%						
 108.9 ft +  13.1 ft																			
		78.7 ft			98.4 ft			118.1 ft			137.8 ft			157.5 ft			177.2 ft		
		83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°
ft		1,000 lb																	
56	165.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
64	153.5	-	-	139.8	-	-	125.8	-	-	-	-	-	-	-	-	-	-	-	-
72	142.0	-	-	132.4	-	-	121.1	-	-	103.9	-	-	-	-	-	-	-	-	-
80	133.5	-	-	125.2	-	-	116.2	-	-	102.0	-	-	89.4	-	-	76.8	-	-	-
88	126.8	-	-	118.6	-	-	110.8	-	-	99.8	-	-	88.6	-	-	75.8	-	-	-
96	-	99.8	-	113.2	96.6	-	105.2	-	-	96.6	-	-	87.6	-	-	75.0	-	-	-
104	-	92.9	-	108.4	89.9	-	100.3	85.8	-	92.7	-	-	86.0	-	-	74.0	-	-	-
112	-	-	-	-	84.0	-	97.0	80.8	-	88.9	76.9	-	84.1	-	-	72.9	-	-	-
120	-	-	72.9	-	79.5	-	93.4	75.9	-	85.7	72.8	-	82.3	-	-	71.6	-	-	-
128	-	-	-	-	75.8	66.9	81.0	72.1	-	82.8	68.5	-	80.3	69.1	-	70.3	-	-	-
136	-	-	-	-	-	62.8	-	68.7	60.5	80.0	64.7	-	78.1	65.4	-	69.1	62.8	-	-
144	-	-	-	-	-	59.9	-	66.0	57.0	75.6	61.8	-	75.7	61.9	-	67.7	59.9	-	-
152	-	-	-	-	-	-	-	-	54.3	-	58.9	52.3	71.9	59.0	-	66.4	56.7	-	-
160	-	-	-	-	-	-	-	-	51.8	-	56.8	49.5	66.8	56.8	49.6	64.7	53.8	-	-
168	-	-	-	-	-	-	-	-	-	-	55.6	47.1	54.6	54.4	47.0	62.1	51.6	45.4	-
176	-	-	-	-	-	-	-	-	-	-	-	45.0	-	52.3	44.8	58.3	49.7	43.1	-
184	-	-	-	-	-	-	-	-	-	-	-	-	-	50.2	42.8	48.7	47.7	41.0	-
192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.0	-	45.7	39.1	-
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.1	-	43.8	37.3	-
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.8	35.8	-
216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.9	-

		196.9 ft			216.5 ft			236.2 ft			255.9 ft			275.6 ft			295.3 ft		
		83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°
ft		1,000 lb																	
88	68.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96	67.3	-	-	53.7	-	-	45.5	-	-	-	-	-	-	-	-	-	-	-	-
104	66.5	-	-	53.4	-	-	45.2	-	-	38.2	-	-	-	-	-	-	-	-	-
112	65.7	-	-	53.1	-	-	45.0	-	-	38.1	-	-	30.9	-	-	24.7	-	-	-
120	64.8	-	-	52.8	-	-	44.9	-	-	37.9	-	-	30.8	-	-	24.5	-	-	-
128	64.2	-	-	52.5	-	-	44.6	-	-	37.8	-	-	30.6	-	-	24.4	-	-	-
136	63.5	-	-	51.9	-	-	44.4	-	-	37.5	-	-	30.5	-	-	24.1	-	-	-
144	62.6	57.7	-	51.6	-	-	44.3	-	-	37.5	-	-	30.4	-	-	24.0	-	-	-
152	61.8	55.2	-	51.1	47.7	-	44.1	-	-	37.3	-	-	30.2	-	-	23.8	-	-	-
160	60.6	52.6	-	50.5	46.2	-	44.0	42.1	-	37.3	-	-	30.1	-	-	23.6	-	-	-
168	59.2	50.2	-	50.1	44.7	-	43.8	40.8	-	37.0	35.2	-	29.9	-	-	23.5	-	-	-
176	57.6	47.8	-	49.7	43.2	-	43.7	39.6	-	37.0	34.7	-	29.8	-	-	23.2	-	-	-
184	54.6	45.9	40.5	49.1	41.7	-	43.4	38.4	-	36.9	34.2	-	29.6	29.4	-	23.0	-	-	-
192	51.1	44.2	38.4	48.4	40.2	36.4	43.1	37.2	-	36.8	33.6	-	29.5	29.3	-	22.9	23.3	-	-
200	46.6	42.6	36.5	46.8	38.8	34.5	42.7	36.0	-	36.5	33.1	-	29.4	29.3	-	22.8	23.2	-	-
208	37.5	41.0	34.9	44.7	37.4	32.8	41.9	34.8	31.3	36.2	32.5	-	29.1	29.2	-	22.6	23.1	-	-
216	-	38.9	33.4	42.3	36.0	31.2	40.9	33.6	29.6	36.0	31.8	-	28.7	29.1	-	22.5	22.9	-	-
224	-	37.2	32.3	34.0	34.9	29.8	38.8	32.4	28.2	35.7	30.9	27.3	28.3	29.0	-	22.1	22.8	-	-
232	-	-	31.2	-	33.7	28.6	36.0	31.2	26.8	35.3	29.9	25.8	27.9	28.6	25.4	21.7	22.6	-	-
240	-	-	30.0	-	31.9	27.5	31.5	30.0	25.6	34.5	28.8	24.5	27.5	27.7	24.2	21.5	22.4	-	-
248	-	-	-	-	-	26.3	-	28.6	24.3	32.2	27.7	23.4	27.1	26.7	23.0	21.2	22.1	22.0	-
256	-	-	-	-	-	-	-	27.1	23.1	29.2	26.7	22.5	26.7	25.8	21.8	20.9	21.8	20.9	-
264	-	-	-	-	-	-	-	25.8	21.9	22.4	25.2	21.4	26.3	24.7	20.9	20.5	21.4	20.0	-
272	-	-	-	-	-	-	-	-	20.8	-	23.8	20.3	24.9	23.5	19.8	20.2	21.1	19.0	-
280	-	-	-	-	-	-	-	-	19.7	-	22.6	19.1	21.8	22.2	18.6	19.9	20.8	17.7	-
288	-	-	-	-	-	-	-	-	-	-	-	18.0	-	21.0	17.6	19.6	20.0	16.6	-
296	-	-	-	-	-	-	-	-	-	-	-	-	-	20.0	16.7	19.0	19.1	15.6	-
304	-	-	-	-	-	-	-	-	-	-	-	-	-	19.0	15.7	14.7	18.0	14.7	-
312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.8	-	17.1	13.7	-
320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.8	-	16.2	12.9	-
328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.1	-

132,300lb 176,400lb 220,500lb 264,600lb 308,700lb 352,800lb 396,800lb

360°													85%		
108.9 ft + 13.1 ft													30° (* 60°)		
98.4 ft			118.1 ft			137.8 ft			157.5 ft			177.2 ft			
83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			
ft	1,000 lb														
64	185.5*	-	-	182.0*	-	-	-	-	-	-	-	-	-	-	
72	164.9*	-	-	163.2*	-	-	161.5*	-	-	-	-	-	-	-	
80	147.8	-	-	146.0	-	-	144.3*	-	-	130.2*	-	-	117.8*	-	
88	133.4	-	-	131.7	-	-	130.1*	-	-	123.9*	-	-	115.7*	-	
96	121.6*	108.6	-	119.8*	-	-	118.1	-	-	117.9*	-	-	113.5*	-	
104	111.4	99.4	-	109.7	97.4	-	107.9	-	-	109.4*	-	-	107.4*	-	
112	-	91.5	-	101.0	89.6	-	99.2	87.6	-	100.8	-	-	99.0*	-	
120	-	84.7	76.7	93.4	82.8	-	91.7	80.8	-	93.1	-	-	91.6	-	
128	-	78.9	71.3	79.7	76.8	-	85.2	74.9	-	86.5	76.1	-	85.0	-	
136	-	-	66.5	-	71.5	64.3	79.3	69.7	-	80.6	70.8	-	79.1	69.0	
144	-	-	62.1	-	67.0	59.9	74.3	65.0	58.0	75.4	66.1	-	73.9	64.4	
152	-	-	-	-	-	56.2	-	60.8	54.2	70.8	62.1	-	69.3	60.3	
160	-	-	-	-	-	52.9	-	57.1	50.8	66.0	58.3	51.9	65.2	56.7	
168	-	-	-	-	-	-	-	53.9	47.7	53.9	54.8	48.8	61.4	53.1	
176	-	-	-	-	-	-	-	-	44.9	-	51.8	46.0	58.0	50.0	
184	-	-	-	-	-	-	-	-	-	-	49.2	43.6	48.2	47.4	
192	-	-	-	-	-	-	-	-	-	-	-	41.2	-	44.9	
200	-	-	-	-	-	-	-	-	-	-	-	39.1	-	42.6	
208	-	-	-	-	-	-	-	-	-	-	-	-	40.4	35.3	
216	-	-	-	-	-	-	-	-	-	-	-	-	-	33.4	

196.9 ft													216.5 ft			236.2 ft			255.9 ft			275.6 ft			295.3 ft		
83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°									
ft	1,000 lb																										
88	90.3*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
96	88.0*	-	-	72.7*	-	-	61.5*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
104	85.8*	-	-	70.2*	-	-	60.5*	-	-	48.2*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
112	83.4*	-	-	68.0*	-	-	59.7*	-	-	47.3*	-	-	38.6*	-	-	31.9*	-	-	-	-	-	-	-	-	-		
120	81.2*	-	-	65.6*	-	-	58.7*	-	-	46.3*	-	-	37.9*	-	-	31.2*	-	-	-	-	-	-	-	-	-		
128	78.9*	-	-	63.4*	-	-	57.8*	-	-	45.5*	-	-	37.3*	-	-	30.5*	-	-	-	-	-	-	-	-	-		
136	76.8*	-	-	61.7*	-	-	56.7*	-	-	44.7*	-	-	36.6*	-	-	29.9*	-	-	-	-	-	-	-	-	-		
144	73.2*	63.7	-	60.0*	-	-	55.4*	-	-	43.9*	-	-	36.0*	-	-	29.3*	-	-	-	-	-	-	-	-	-		
152	68.6	59.5	-	58.4*	56.0	-	54.3*	-	-	42.8*	-	-	35.2*	-	-	28.6*	-	-	-	-	-	-	-	-	-		
160	64.4	55.8	-	56.6*	54.0	-	52.9*	44.8	-	41.7*	-	-	34.3*	-	-	28.0*	-	-	-	-	-	-	-	-	-		
168	60.7	52.5	-	55.2*	50.7	-	51.6*	44.3	-	40.5*	35.8	-	33.2*	-	-	27.3*	-	-	-	-	-	-	-	-	-		
176	57.2	49.4	-	54.2*	47.4	-	50.2*	43.7	-	39.4*	35.5	-	32.1*	31.8	-	26.6*	-	-	-	-	-	-	-	-	-		
184	54.1	46.6	40.8	51.9*	44.7	-	49.1*	42.2	-	38.3*	35.2	-	31.2*	31.2	-	25.8*	25.1	-	-	-	-	-	-	-	-		
192	50.8	44.0	38.4	49.5*	42.1	36.6	47.7*	40.3	-	37.6*	34.8	-	30.5*	30.5	-	25.0*	24.6	-	-	-	-	-	-	-	-		
200	46.1	41.8	36.4	46.9*	39.8	34.4	45.2*	38.0	-	37.2*	34.5	-	29.7*	29.8	-	24.2*	24.0	-	-	-	-	-	-	-	-		
208	37.0	39.6	34.4	44.5*	37.6	32.4	42.8*	35.7	30.4	36.8*	34.2	-	29.0*	29.2	-	23.3*	23.5	-	-	-	-	-	-	-	-		
216	-	37.6	32.5	42.0*	35.6	30.5	40.5*	33.6	28.6	36.4*	33.4	28.1	28.5	28.5	-	22.7*	23.0	-	-	-	-	-	-	-	-		
224	-	35.8	30.9	33.5*	33.9	28.9	38.5*	31.9	26.9	36.0*	31.5	26.5	27.9	27.9	25.7	22.3*	22.4	-	-	-	-	-	-	-	-		
232	-	-	29.3	33.5*	33.9	27.3	35.6*	30.2	25.4	35.4*	29.7	24.9	27.4	27.4	24.5	21.9*	21.9	-	-	-	-	-	-	-	-		
240	-	-	27.9	30.5*	25.9	30.8	28.6*	23.9	34.2	28.1	23.4	26.9	27.0	23.0	21.4*	21.4	20.4	-	-	-	-	-	-	-	-		
248	-	-	-	24.6*	-	-	27.1*	22.6	32.0	26.6	22.1	26.4	26.1	21.7	20.9*	20.8	19.9	-	-	-	-	-	-	-	-		
256	-	-	-	-	-	-	25.8*	21.4	29.2	25.1	20.7	26.0	24.9	20.5	20.5*	20.3	19.4	-	-	-	-	-	-	-	-		
264	-	-	-	-	-	-	24.6*	20.2	22.4	23.9	19.6	25.7	23.6	19.3	20.1*	19.7	18.3	-	-	-	-	-	-	-	-		
272	-	-	-	-	-	-	-	19.0*	-	22.7*	18.6	24.5	22.3	18.1	19.7*	19.3	17.2	-	-	-	-	-	-	-	-		
280	-	-	-	-	-	-	17.9*	-	21.5*	17.5	21.7	21.2	17.0	19.5*	18.8	16.2	-	-	-	-	-	-	-	-	-		
288	-	-	-	-	-	-	-	-	-	16.5*	-	20.2	16.1	19.1*	18.4	15.2	-	-	-	-	-	-	-	-	-		
296	-	-	-	-	-	-	-	-	-	-	-	19.1*	15.1	18.5*	18.0	14.3	-	-	-	-	-	-	-	-	-		
304	-	-	-	-	-	-	-	-	-	-	-	18.2*	14.2	14.6*	17.2	13.4	-	-	-	-	-	-	-	-	-		
312	-	-	-	-	-	-	-	-	-	-	-	-	13.3	-	16.3	12.4	-	-	-	-	-	-	-	-	-		
320	-	-	-	-	-	-	-	-	-	-	-	-	12.5	-	15.4	11.6	-	-	-	-	-	-	-	-	-		
328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.9	-	-	-	-	-	-	-	-	-	-		

176,400 lb 220,500 lb 264,600 lb 308,700 lb 352,800 lb 396,800 lb

360°													85%														
124.3 ft + 13.1 ft																											
78.7 ft													98.4 ft			118.1 ft			137.8 ft			157.5 ft			177.2 ft		
83° 73° 65°													83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°		
ft	1,000 lb																										
64	134.5	-	-	121.8	-	-	108.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
72	125.2	-	-	115.4	-	-	103.9	-	-	90.0	-	-	-	-	-	-	-	-	-	-	-	-					
80	116.8	-	-	109.5	-	-	99.9	-	-	87.5	-	-	-	-	-	-	-	-	-	-	66.5	-					
88	111.0	-	-	103.6	-	-	95.6	-	-	84.9	-	-	-	-	-	76.0	-	-	-	-	65.6	-					
96	-	88.9	-	98.7	-	-	91.3	-	-	82.0	-	-	-	-	-	72.8	-	-	-	-	64.7	-					
104	-	81.8	-	94.6	80.6	-	87.0	-	-	78.9	-	-	-	-	-	71.2	-	-	-	-	63.8	-					
112	-	76.2	-	-	74.7	-	83.8	71.2	-	75.9	-	-	-	-	-	69.6	-	-	-	-	62.8	-					
120	-	-	-	-	69.8	-	80.9	66.6	-	73.1	64.6	-	-	-	-	67.7	-	-	-	-	61.5	-					
128	-	-	59.9	-	65.7	59.1	78.3	62.4	-	70.6	60.8	-	-	-	-	66.1	61.3	-	-	-	60.3	-					
136	-	-	-	-	62.7	54.9	-	59.1	-	68.2	57.1	-	-	-	-	64.5	58.0	-	-	-	58.9	-					
144	-	-	-	-	-	51.5	-	56.1	48.4	66.2	53.7	-	-	-	-	63.1	54.8	-	-	-	57.8	52.8					
152	-	-	-	-	-	-	-	54.1	45.3	-	51.0	44.4	-	-	-	61.8	51.7	-	-	-	56.5	50.1					
160	-	-	-	-	-	-	-	-	43.0	-	48.4	41.5	-	-	-	60.6	49.1	-	-	-	55.2	47.4					
168	-	-	-	-	-	-	-	-	41.1	-	46.6	39.1	-	-	-	57.4	47.0	40.7	-	-	54.1	44.9					
176	-	-	-	-	-	-	-	-	-	-	45.6	37.1	-	-	-	44.8	38.3	35.6	-	-	52.9	42.8					
184	-	-	-	-	-	-	-	-	-	-	-	35.6	-	-	-	43.5	36.4	-	-	-	48.9	40.8					
192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.4	34.7	-	-	-	39.0	32.9					
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.1	-	-	-	37.6	31.3					
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.2	-	-	-	36.7	29.9					
216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.0	28.5					
224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.6					

196.9 ft													216.5 ft			236.2 ft			255.9 ft			275.6 ft			295.3 ft		
83° 73° 65°													83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°		
ft	1,000 lb																										
88	59.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
96	58.1	-	-	45.9	-	-	40.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
104	57.2	-	-	45.7	-	-	40.6	-	-	33.1	-	-	-	-	-	-	-	-	-	-	-	-					
112	56.2	-	-	45.2	-	-	40.1	-	-	33.1	-	-	-	-	26.9	-	-	-	-	-	21.8	-					
120	55.3	-	-	44.8	-	-	39.8	-	-	33.0	-	-	-	-	26.9	-	-	-	-	-	21.8	-					
128	54.3	-	-	44.4	-	-	39.6	-	-	32.8	-	-	-	-	26.8	-	-	-	-	-	21.5	-					
136	53.4	-	-	44.2	-	-	39.1	-	-	32.8	-	-	-	-	26.7	-	-	-	-	-	21.4	-					
144	52.5	-	-	43.7	-	-	38.8	-	-	32.6	-	-	-	-	26.7	-	-	-	-	-	21.2	-					
152	51.5	47.5	-	43.4	-	-	38.5	-	-	32.6	-	-	-	-	26.5	-	-	-	-	-	21.1	-					
160	50.6	45.4	-	43.0	40.3	-	38.1	-	-	32.5	-	-	-	-	26.5	-	-	-	-	-	20.9	-					
168	49.6	43.2	-	42.6	38.8	-	37.8	34.4	-	32.4	-	-	-	-	26.4	-	-	-	-	-	20.9	-					
176	48.8	40.9	-	42.2	37.5	-	37.5	33.4	-	32.4	30.4	-	-	-	26.3	-	-	-	-	-	20.7	-					
184	48.0	39.0	-	41.9	36.1	-	37.1	32.5	-	32.3	29.6	-	-	-	26.0	24.7	-	-	-	-	20.5	-					
192	47.1	37.4	33.1	41.6	34.7	-	36.8	31.6	-	32.2	29.0	-	-	-	26.0	24.7	-	-	-	-	20.3	-					
200	46.5	35.7	31.1	41.2	33.3	-	36.5	30.8	-	32.0	28.3	-	-	-	25.9	24.5	-	-	-	-	20.1	19.5					
208	41.7	34.1	29.3	40.8	31.9	27.7	36.2	29.7	-	32.0	27.6	-	-	-	25.8	24.4	-	-	-	-	20.0	19.3					
216	-	32.7	27.9	40.4	30.5	25.9	35.8	28.5	24.8	32.0	26.9	-	-	-	25.8	24.3	-	-	-	-	19.9	19.2					
224	-	32.1	26.5	35.5	29.0	24.5	35.5	27.3	23.3	31.7	26.1	-	-	-	25.7	24.1	-	-	-	-	19.7	18.9					
232	-	-	25.3	-	27.8	23.2	34.7	26.1	21.9	31.7	25.0	22.8	-	-	25.6	24.0	-	-	-	-	19.6	18.7					
240	-	-	24.5	-	27.3	22.0	32.7	24.7	20.5	31.7	24.0	21.4	-	-	25.4	23.3	20.0	-	-	-	19.4	18.6					
248	-	-	-	-	26.8	21.1	-	23.8	19.4	31.4	22.9	18.8	-	-	25.3	22.3	18.8	-	-	-	19.2	18.3					
256	-	-	-	-	-	20.3	-	23.1	18.3	30.8	21.8	17.6	-	-	25.1	21.4	17.6	-	-	-	19.2	17.9					
264	-	-	-	-	-	19.7	-	22.7	17.5	24.7	21.0	16.7	-	-	25.1	20.4	16.4	-	-	-	19.0	17.3					
272	-	-	-	-	-	-	-	-	16.8	-	20.4	15.7	-	-	24.6	19.5	15.4	-	-	-	18.9	16.8					
280	-	-	-	-	-	-	-	-	16.2	-	20.0	14.8	-	-	23.1	18.6	14.5	-	-	-	18.8	16.2					
288	-	-	-	-	-	-	-	-	-	-	19.5	14.3	-	-	18.0	13.7	13.7	-	-	-	18.6	15.7					
296	-	-	-	-	-	-	-	-	-	-	-	13.8	-	-	17.6	13.0	13.0	-	-	-	18.3	15.2					
304	-	-	-	-	-	-	-	-	-	-	-	13.3	-	-	17.3	12.4	12.4	-	-	-	15.6	14.9					
312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.9	11.9	-	-	-	14.7	10.2					
320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.5	11.5	-	-	-	14.6	9.8					
328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.0	9.5					
336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.2					
344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9					

# WIHI-SSL 30°/60°

# AC 500-8

360°													85%											
ft	83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°											
													1,000 lb											
64	170.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
72	160.7	-	-	157.5*	-	-	-	-	-	-	-	-	-	-	-									
80	146.5*	-	-	144.8*	-	-	140.9*	-	-	-	-	129.6*	-	-	-									
88	132.3	-	-	130.7	-	-	129.0*	-	-	-	-	124.0*	-	-	107.6*									
96	120.4	-	-	118.7	-	-	117.1*	-	-	-	-	117.5*	-	-	105.6*									
104	110.3	97.2	-	108.6	-	-	107.0	-	-	-	-	108.6*	-	-	103.6*									
112	-	89.6	-	99.9	87.6	-	98.3	-	-	-	-	99.9	-	-	98.1*									
120	-	82.8	-	92.6	80.8	-	90.8	79.0	-	-	-	92.3	-	-	90.7*									
128	-	77.1	68.8	83.9	75.0	-	84.3	73.2	-	-	-	85.8*	74.5	-	84.1									
136	-	72.0	64.1	-	69.9	-	78.6	67.9	-	-	-	80.0	69.2	-	78.4									
144	-	-	59.9	-	65.2	57.7	73.4	63.3	-	-	-	74.7	64.6	-	73.2									
152	-	-	-	-	61.3	54.0	-	59.2	52.0	-	-	70.2	60.6	-	68.6									
160	-	-	-	-	-	50.8	-	55.6	48.8	-	-	66.1	56.8	-	64.5									
168	-	-	-	-	-	47.8	-	52.6	45.8	-	-	58.0	53.5	46.8	60.8									
176	-	-	-	-	-	-	-	49.6	43.2	-	-	-	50.5	44.0	57.3									
184	-	-	-	-	-	-	-	-	40.7	-	-	-	47.9	41.7	50.6									
192	-	-	-	-	-	-	-	-	-	-	-	-	45.4	39.4	43.6									
200	-	-	-	-	-	-	-	-	-	-	-	-	-	37.4	41.3									
208	-	-	-	-	-	-	-	-	-	-	-	-	-	35.5	39.3									
216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.4									
224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.2									

													196.9 ft			216.5 ft			236.2 ft			255.9 ft			275.6 ft			295.3 ft		
													83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°		
													1,000 lb																	
88	85.0*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
96	83.2*	-	-	69.5*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
104	81.5*	-	-	67.7*	-	-	57.4*	-	-	46.6*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
112	79.7*	-	-	66.0*	-	-	56.9*	-	-	45.8*	-	-	37.0*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
120	78.0*	-	-	64.4*	-	-	56.5*	-	-	45.3*	-	-	36.5*	-	-	-	-	-	-	-	-	-	-	-	-	29.9*	-	-	-	
128	76.3*	-	-	62.6*	-	-	56.0*	-	-	44.6*	-	-	36.2*	-	-	-	-	-	-	-	-	-	-	-	-	29.4*	-	-	-	
136	74.5*	-	-	61.0*	-	-	55.6*	-	-	44.0*	-	-	35.6*	-	-	-	-	-	-	-	-	-	-	-	-	29.0*	-	-	-	
144	72.4*	-	-	59.4*	-	-	54.7*	-	-	43.2*	-	-	35.3*	-	-	-	-	-	-	-	-	-	-	-	-	28.7*	-	-	-	
152	67.8*	57.9	-	57.8*	-	-	53.4*	-	-	42.4*	-	-	34.8*	-	-	-	-	-	-	-	-	-	-	-	-	28.1*	-	-	-	
160	63.8	54.2	-	56.4*	49.6	-	52.3*	-	-	41.3*	-	-	34.1*	-	-	-	-	-	-	-	-	-	-	-	-	27.7*	-	-	-	
168	60.1	50.9	-	54.8*	48.1	-	51.1*	39.9	-	40.3*	-	-	33.1*	-	-	-	-	-	-	-	-	-	-	-	-	27.2*	-	-	-	
176	56.7	47.8	-	53.7*	45.9	-	49.8*	39.5	-	39.2*	33.1	-	32.1*	-	-	-	-	-	-	-	-	-	-	-	-	26.4*	-	-	-	
184	53.7*	45.3	-	51.4*	43.3	-	48.6*	39.1	-	38.1*	33.0	-	31.2*	28.5	-	-	-	-	-	-	-	-	-	-	-	25.5*	-	-	-	
192	50.8	42.7	36.6	48.8*	40.8	-	47.1*	38.4	-	37.1*	32.8	-	30.2*	28.1	-	-	-	-	-	-	-	-	-	-	-	24.8*	22.2	-	-	
200	48.3	40.4	34.6	46.3*	38.6	-	44.5*	36.5	-	36.3*	32.7	-	29.3*	27.7	-	-	-	-	-	-	-	-	-	-	-	24.1*	21.9	-	-	
208	41.3	38.2	32.7	44.0*	36.4	30.7	42.0*	34.5	-	35.6*	32.4	-	28.4*	27.3	-	-	-	-	-	-	-	-	-	-	-	23.3*	21.6	-	-	
216	-	36.3	31.0	41.6*	34.5	29.0	39.8*	32.5	26.8	34.9*	32.0	-	27.8*	26.9	-	-	-	-	-	-	-	-	-	-	-	22.5*	21.2	-	-	
224	-	34.7	29.4	35.4*	32.6	27.4	37.8*	30.8	25.3	34.2*	30.4	-	27.2*	26.5	-	-	-	-	-	-	-	-	-	-	-	22.0*	20.9	-	-	
232	-	-	27.8	-	30.9	25.8	35.6*	29.1	23.8	33.6*	28.6	24.8	23.4	26.5	26.2	-	-	-	-	-	-	-	-	-	-	21.4*	20.6	-	-	
240	-	-	26.3	-	29.4	24.3	32.9*	27.5	22.3	33.2*	27.0	21.9	21.9	26.0	25.8	21.4	-	-	-	-	-	-	-	-	-	20.9*	20.4	-	-	
248	-	-	-	-	28.0	23.0	-	26.0	21.0	32.1*	25.6	20.6	20.6	25.5	24.9	20.2	-	-	-	-	-	-	-	-	-	20.4*	20.0	16.9	-	
256	-	-	-	-	-	21.8	-	24.7	19.8	30.6*	24.2	19.4	19.4	25.1	23.8	18.9	-	-	-	-	-	-	-	-	-	19.8*	19.6	16.8	-	
264	-	-	-	-	-	-	-	23.5	18.6	24.7*	22.9	18.2	18.2	24.9	22.6	17.7	-	-	-	-	-	-	-	-	-	19.4*	19.3	16.3	-	
272	-	-	-	-	-	-	-	-	17.5	-	21.6	17.1	17.1	24.2	21.4	16.6	-	-	-	-	-	-	-	-	-	19.1*	19.0	15.7	-	
280	-	-	-	-	-	-	-	-	16.6	-	20.6	16.1	16.1	23.0	20.2	15.7	-	-	-	-	-	-	-	-	-	18.8*	18.6	14.6	-	
288	-	-	-	-	-	-	-	-	-	-	19.5	15.2	15.2	-	19.2	14.7	-	-	-	-	-	-	-	-	-	18.6*	17.9	13.6	-	
296	-	-	-	-	-	-	-	-	-	-	-	14.2	14.2	-	18.2	13.8	-	-	-	-	-	-	-	-	-	18.3*	17.1	12.7	-	
304	-	-	-	-	-	-	-	-	-	-	-	13.3	13.3	-	17.3	12.9	-	-	-	-	-	-	-	-	-	16.3*	16.2	12.0	-	
312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.0	-	-	-	-	-	-	-	-	-	-	-	15.3*	11.1	-	-
320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.4	-	-	-	-	-	-	-	-	-	-	-	14.5*	10.3	-	-
328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.7*	9.6	-	-
336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9	-	-
344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.3	-	-

176,400 lb 220,500 lb 264,600 lb 308,700 lb 352,800 lb 396,800 lb



360°													85%			
98.4 ft			118.1 ft			137.8 ft			157.5 ft			177.2 ft				
83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°				
ft													1,000 lb			
72	154.6*	-	-	147.7*	-	-	-	-	-	-	-	-	-	-	-	-
80	142.6*	-	-	137.3*	-	-	-	-	-	-	-	-	-	-	-	-
88	131.3*	-	-	127.2*	-	-	-	-	-	-	-	-	-	-	-	-
96	119.5	-	-	117.7*	-	-	-	-	-	-	-	-	-	-	-	-
104	109.4	-	-	107.7*	-	-	-	-	-	-	-	-	-	-	-	-
112	-	87.6	-	99.0	-	-	-	-	-	-	-	-	-	-	-	-
120	-	81.1	-	91.7	79.1	-	-	-	-	-	-	-	-	-	-	-
128	-	75.4	-	85.3	73.3	-	-	-	-	-	-	-	-	-	-	-
136	-	70.3	61.8	-	68.1	-	-	-	-	-	-	-	-	-	-	-
144	-	-	57.7	-	63.7	-	-	-	-	-	-	-	-	-	-	-
152	-	-	54.2	-	59.7	52.0	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	48.8	-	-	-	-	-	-	-	-	-	-
168	-	-	-	-	-	45.9	-	-	-	-	-	-	-	-	-	-
176	-	-	-	-	-	43.4	-	-	-	-	-	-	-	-	-	-
184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

196.9 ft			216.5 ft			236.2 ft			255.9 ft			275.6 ft			295.3 ft		
83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°			83° 73° 65°		
ft													1,000 lb				
96	79.2*	-	-	64.3*	-	-	-	-	-	-	-	-	-	-	-	-	
104	77.6*	-	-	63.2*	-	-	-	-	-	-	-	-	-	-	-	-	
112	76.0*	-	-	61.9*	-	-	-	-	-	-	-	-	-	-	-	-	
120	74.1*	-	-	60.8*	-	-	-	-	-	-	-	-	-	-	-	-	
128	72.5*	-	-	59.6*	-	-	-	-	-	-	-	-	-	-	-	-	
136	70.7*	-	-	58.4*	-	-	-	-	-	-	-	-	-	-	-	-	
144	69.1*	-	-	57.4*	-	-	-	-	-	-	-	-	-	-	-	-	
152	67.1*	54.5	-	56.3*	-	-	-	-	-	-	-	-	-	-	-	-	
160	63.1*	52.6	-	55.0*	43.0	-	-	-	-	-	-	-	-	-	-	-	
168	59.3*	49.6	-	53.9*	42.4	-	-	-	-	-	-	-	-	-	-	-	
176	56.0*	46.5	-	52.8*	41.6	-	-	-	-	-	-	-	-	-	-	-	
184	53.0*	43.9	-	50.7*	40.8	-	-	-	-	-	-	-	-	-	-	-	
192	50.2*	41.4	-	48.4*	39.6	-	-	-	-	-	-	-	-	-	-	-	
200	47.6*	39.3	32.8	45.8*	37.4	-	-	-	-	-	-	-	-	-	-	-	
208	43.3*	37.1	31.0	43.4*	35.2	29.0	-	-	-	-	-	-	-	-	-	-	
216	-	35.2	29.2	41.1*	33.2	27.2	-	-	-	-	-	-	-	-	-	-	
224	-	33.5	27.7	37.4*	31.6	25.7	-	-	-	-	-	-	-	-	-	-	
232	-	-	26.3	-	30.0	24.3	-	-	-	-	-	-	-	-	-	-	
240	-	-	24.9	-	28.3	23.0	-	-	-	-	-	-	-	-	-	-	
248	-	-	23.7	-	26.9	21.6	-	-	-	-	-	-	-	-	-	-	
256	-	-	-	-	20.3	-	-	-	-	-	-	-	-	-	-	-	
264	-	-	-	-	19.2	-	-	-	-	-	-	-	-	-	-	-	
272	-	-	-	-	-	17.2	-	-	-	-	-	-	-	-	-	-	
280	-	-	-	-	-	16.2	-	-	-	-	-	-	-	-	-	-	
288	-	-	-	-	-	15.2	-	-	-	-	-	-	-	-	-	-	
296	-	-	-	-	-	14.4	-	-	-	-	-	-	-	-	-	-	
304	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

176,400 lb 220,500 lb 264,600 lb 308,700 lb 352,800 lb 396,800 lb

360°													85%						
154.9 ft + 13.1 ft																			
		78.7 ft			98.4 ft			118.1 ft			137.8 ft			157.5 ft			177.2 ft		
		83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°
ft		1,000 lb																	
72		84.3	-	-	75.5	-	-	68.8	-	-	-	-	-	-	-	-	-	-	-
80		80.1	-	-	72.1	-	-	66.2	-	-	56.8	-	-	52.0	-	-	-	-	-
88		76.3	-	-	69.1	-	-	63.6	-	-	54.6	-	-	50.7	-	-	45.3	-	-
96		72.9	-	-	66.3	-	-	61.1	-	-	52.6	-	-	49.3	-	-	44.2	-	-
104		-	-	-	63.8	-	-	58.7	-	-	50.9	-	-	48.0	-	-	42.9	-	-
112		-	52.9	-	61.6	49.8	-	56.3	-	-	49.3	-	-	46.7	-	-	41.8	-	-
120		-	49.3	-	-	46.4	-	54.6	-	-	47.7	-	-	45.5	-	-	40.8	-	-
128		-	-	-	-	43.2	-	52.8	41.0	-	46.2	-	-	44.2	-	-	39.7	-	-
136		-	-	-	-	40.8	-	51.4	38.3	-	45.0	36.7	-	43.0	-	-	38.8	-	-
144		-	-	35.6	-	38.5	-	-	36.2	-	43.7	34.3	-	41.9	35.4	-	37.7	-	-
152		-	-	-	-	-	31.9	-	34.4	-	42.7	32.0	-	41.1	33.3	-	36.7	31.5	-
160		-	-	-	-	-	29.8	-	32.7	27.7	-	30.4	-	40.1	31.3	-	36.1	29.6	-
168		-	-	-	-	-	-	26.2	-	-	28.8	24.3	-	39.4	29.5	-	35.3	27.8	-
176		-	-	-	-	-	-	24.7	-	-	27.3	22.7	-	38.9	28.2	-	34.5	26.0	-
184		-	-	-	-	-	-	-	-	-	-	21.3	-	26.8	22.5	-	34.0	24.6	-
192		-	-	-	-	-	-	-	-	-	-	20.1	-	25.7	21.2	-	33.6	23.4	-
200		-	-	-	-	-	-	-	-	-	-	19.1	-	25.0	20.1	-	-	22.3	18.2
208		-	-	-	-	-	-	-	-	-	-	-	-	-	19.1	-	-	21.4	17.1
216		-	-	-	-	-	-	-	-	-	-	-	-	-	18.1	-	-	20.6	16.2
224		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.1
232		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.4
240		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.9

		196.9 ft			216.5 ft			236.2 ft			255.9 ft			275.6 ft			295.3 ft		
		83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°
ft		1,000 lb																	
96		39.0	-	-	31.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
104		38.2	-	-	31.2	-	-	26.2	-	-	-	-	-	-	-	-	-	-	-
112		37.4	-	-	30.4	-	-	25.8	-	-	21.1	-	-	-	-	-	-	-	-
120		36.6	-	-	29.9	-	-	25.4	-	-	20.9	-	-	18.1	-	-	13.9	-	-
128		35.8	-	-	29.3	-	-	25.0	-	-	20.6	-	-	18.0	-	-	13.9	-	-
136		35.0	-	-	28.8	-	-	24.6	-	-	20.3	-	-	17.7	-	-	13.7	-	-
144		34.2	-	-	28.2	-	-	24.3	-	-	20.1	-	-	17.4	-	-	13.7	-	-
152		33.6	-	-	27.7	-	-	23.8	-	-	19.8	-	-	17.2	-	-	13.7	-	-
160		32.8	28.8	-	27.4	-	-	23.5	-	-	19.5	-	-	17.1	-	-	13.6	-	-
168		32.1	27.2	-	26.9	24.6	-	23.2	-	-	19.3	-	-	16.9	-	-	13.4	-	-
176		31.4	25.6	-	26.3	23.3	-	22.8	-	-	19.2	-	-	16.8	-	-	13.4	-	-
184		30.7	24.0	-	25.9	21.9	-	22.5	19.5	-	18.9	-	-	16.6	-	-	13.4	-	-
192		30.1	22.5	-	25.5	20.4	-	22.2	18.3	-	18.7	16.8	-	16.5	-	-	13.4	-	-
200		29.7	21.4	-	25.1	19.1	-	21.9	17.2	-	18.4	15.8	-	16.3	12.7	-	13.3	-	-
208		29.5	20.3	16.6	24.7	18.0	-	21.7	16.1	-	18.2	14.9	-	16.2	12.3	-	13.2	-	-
216		29.3	19.3	15.5	24.3	17.0	-	21.4	14.9	-	18.1	14.0	-	16.1	11.9	-	13.2	-	-
224		-	18.4	14.6	24.1	16.1	12.4	21.1	14.0	-	18.0	13.0	-	16.0	11.5	-	13.2	-	-
232		-	17.8	13.7	-	15.2	11.4	20.9	13.3	9.9	17.8	12.1	-	15.8	11.1	-	13.2	-	-
240		-	17.5	12.8	-	14.4	10.6	20.6	12.6	8.9	17.7	11.5	-	15.7	10.7	-	13.2	-	-
248		-	-	12.2	-	13.9	9.9	20.3	11.8	8.1	17.5	10.8	-	15.6	10.1	-	13.1	-	-
256		-	-	-	-	-	9.3	-	11.0	7.3	17.4	10.1	-	15.4	9.5	-	13.0	-	-
264		-	-	-	-	-	8.7	-	10.6	6.7	17.4	9.5	-	15.3	8.9	-	13.0	-	-
272		-	-	-	-	-	8.2	-	10.3	6.2	-	8.9	-	15.2	8.3	-	13.0	-	-
280		-	-	-	-	-	7.8	-	10.0	5.7	-	8.5	-	15.2	7.7	-	13.0	-	-
288		-	-	-	-	-	-	-	-	5.2	-	8.2	-	14.8	7.2	-	12.9	-	-
296		-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	-	12.8	-	-
304		-	-	-	-	-	-	-	-	-	-	-	-	-	6.5	-	12.8	-	-
312		-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	-	-	-	-
320		-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	-	-	-	-

132,300 lb 176,400 lb 220,500 lb 264,600 lb 308,700 lb 352,800 lb 396,800 lb



# WIHI-SSL 30°/60°

# AC 500-8

360°													85%					
		98.4 ft			118.1 ft			137.8 ft			157.5 ft			177.2 ft				
		83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°		
ft		1,000 lb																
72	126.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
80	121.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
88	116.3	-	-	-	112.3*	-	-	109.0*	-	-	-	-	-	-	-	-		
96	111.3	-	-	-	103.1*	-	-	100.9*	-	-	99.0*	-	-	-	-	-		
104	105.5	-	-	-	98.8	-	-	92.8*	-	-	92.6*	-	-	85.1*	-	-		
112	99.1	85.8	-	-	91.5	-	-	81.2	-	-	80.2*	-	-	80.9*	-	-		
120	-	79.3	-	-	88.0	76.8	-	78.4	-	-	76.1*	-	-	76.7*	-	-		
128	-	73.6	-	-	84.0	71.6	-	76.0	69.6	-	71.8*	-	-	68.8*	-	-		
136	-	68.7	-	-	71.0	66.6	-	73.9	64.7	-	68.1	-	-	65.2*	-	-		
144	-	64.3	55.7	-	-	62.1	-	71.7	60.2	-	66.4	61.4	-	61.7*	-	-		
152	-	-	52.3	-	-	58.2	-	65.9	56.4	-	64.8	57.7	-	58.2*	52.9	-		
160	-	-	49.1	-	-	54.8	46.9	-	52.8	-	63.2	54.1	-	56.3*	51.3	-		
168	-	-	-	-	-	-	44.1	-	49.6	41.9	57.5	51.0	-	54.5	49.0	-		
176	-	-	-	-	-	-	41.4	-	46.7	39.4	47.5	48.1	-	53.3	46.1	-		
184	-	-	-	-	-	-	-	-	-	37.0	-	45.4	38.2	52.0	43.5	-		
192	-	-	-	-	-	-	-	-	-	34.9	-	43.0	36.0	47.6	41.0	34.0		
200	-	-	-	-	-	-	-	-	-	33.0	-	40.8	34.1	-	38.8	32.1		
208	-	-	-	-	-	-	-	-	-	-	-	-	32.3	-	36.8	30.3		
216	-	-	-	-	-	-	-	-	-	-	-	-	30.5	-	35.0	28.6		
224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.0		
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.6		
240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.3		

		196.9 ft			216.5 ft			236.2 ft			255.9 ft			275.6 ft			295.3 ft			
		83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	
ft		1,000 lb																		
96	69.9*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
104	67.7*	-	-	-	59.3*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
112	65.6*	-	-	-	57.7*	-	-	47.6*	-	-	40.1*	-	-	-	-	-	-	-	-	
120	63.4*	-	-	-	56.1*	-	-	47.0*	-	-	39.8*	-	-	31.7*	-	-	-	-	-	
128	61.3*	-	-	-	54.4*	-	-	46.3*	-	-	39.6*	-	-	31.5*	-	-	25.2*	-	-	
136	59.3*	-	-	-	52.8*	-	-	45.6*	-	-	39.3*	-	-	31.4*	-	-	25.0*	-	-	
144	57.2*	-	-	-	51.2*	-	-	45.0*	-	-	39.0*	-	-	31.1*	-	-	24.7*	-	-	
152	55.1*	-	-	-	49.8*	-	-	43.9*	-	-	38.8*	-	-	30.8*	-	-	24.7*	-	-	
160	53.1*	44.6	-	-	48.3*	-	-	42.9*	-	-	38.3*	-	-	30.6*	-	-	24.4*	-	-	
168	51.2*	43.6	-	-	46.9*	37.2	-	41.8*	-	-	37.6*	-	-	30.4*	-	-	24.1*	-	-	
176	49.6*	42.7	-	-	45.4*	36.7	-	40.7*	31.2	-	36.9*	-	-	29.8*	-	-	23.8*	-	-	
184	48.0*	41.6	-	-	44.0*	36.1	-	39.5*	30.7	-	36.1*	24.9	-	29.3*	-	-	23.5*	-	-	
192	46.4*	40.3	-	-	42.7*	35.6	-	38.4*	30.3	-	35.3*	24.6	-	28.8*	-	-	23.0*	-	-	
200	45.0*	38.0	-	-	41.4*	35.1	-	37.3*	29.8	-	34.6*	24.4	-	28.2*	19.5	-	22.6*	-	-	
208	40.4*	36.0	29.4	-	40.0*	33.9	-	36.1*	29.3	-	33.9*	24.2	-	27.8*	19.3	-	22.2*	14.8	-	
216	33.1*	34.1	27.7	-	38.7*	32.1	25.7	-	34.9*	28.9	-	32.9*	24.0	-	27.4*	19.2	-	21.6*	14.8	-
224	-	32.4	26.2	-	37.2*	30.5	24.2	33.8	28.2	-	32.0*	23.8	-	26.7*	19.2	-	21.2*	14.8	-	
232	-	30.9	24.7	-	-	28.9	22.8	32.9	26.9	20.8	31.0	23.5	-	26.1*	19.1	-	20.8*	14.8	-	
240	-	29.4	23.4	-	-	27.4	21.4	32.4	25.4	19.4	29.9	23.2	18.4	25.5	19.0	-	20.4*	14.8	-	
248	-	-	22.1	-	-	26.0	20.2	27.7*	24.0	18.2	29.2	22.8	17.6	25.0	18.8	-	19.9*	14.8	-	
256	-	-	-	-	-	-	18.9	-	22.7	17.0	28.6	22.3	16.5	24.5	18.7	13.9	19.4	14.8	-	
264	-	-	-	-	-	-	17.9	-	21.5	15.9	26.5*	21.0	15.4	24.1*	18.6	13.8	19.0	14.8	9.7	
272	-	-	-	-	-	-	16.8	-	20.3	14.9	-	19.8	14.4	23.7*	18.4	13.5	18.6	14.8	9.7	
280	-	-	-	-	-	-	15.9	-	19.2	13.9	-	18.6	13.5	23.4*	18.2	12.9	18.2	14.8	9.7	
288	-	-	-	-	-	-	-	-	13.1	-	17.6	-	12.5	19.3*	17.3	12.1	17.9	14.8	9.7	
296	-	-	-	-	-	-	-	-	-	-	-	-	11.6	-	16.2	11.2	17.6	14.7	9.7	
304	-	-	-	-	-	-	-	-	-	-	-	-	10.8	-	15.4	10.4	17.3*	14.2	9.3	
312	-	-	-	-	-	-	-	-	-	-	-	-	10.1	-	14.6	9.6	-	13.5	8.7	
320	-	-	-	-	-	-	-	-	-	-	-	-	9.4	-	13.8	8.9	-	12.7	7.9	
328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.3	-	-	12.0	7.3	
336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.7	
344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0	
352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.4	
360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9	

176,400 lb 220,500 lb 264,600 lb 308,700 lb 352,800 lb 396,800 lb



# WIHI-SSL 30°/60°

# AC 500-8

360°													85%			
		98.4 ft			118.1 ft			137.8 ft			157.5 ft			177.2 ft		
		83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°
ft		1,000 lb														
72	-	-	-	92.5	-	-	-	-	-	-	-	-	-	-	-	-
80	101.9	-	-	91.5*	-	-	-	-	-	-	-	-	-	-	-	-
88	97.9	-	-	85.2	-	-	-	81.4*	-	-	-	-	-	-	-	-
96	94.2	-	-	82.0	-	-	-	74.9*	-	-	-	-	-	-	-	-
104	91.2	-	-	79.1	-	-	-	69.3	-	-	-	-	-	-	68.6*	-
112	88.7	-	-	76.4	-	-	-	67.1	-	-	-	-	-	-	64.8*	-
120	-	72.0	-	74.5	-	-	-	64.9	-	-	-	-	-	-	61.3*	-
128	-	66.9	-	72.6	64.6	-	-	62.9	-	-	-	-	-	-	57.6*	-
136	-	62.9	-	71.1	60.6	-	-	61.5	56.2	-	-	-	-	-	54.4*	-
144	-	59.5	-	-	56.8	-	-	60.0	53.7	-	-	-	-	-	51.6*	-
152	-	-	47.6	-	54.1	-	-	58.9	51.3	-	-	-	-	-	48.8*	-
160	-	-	44.7	-	51.8	-	-	-	49.1	-	-	-	-	-	46.6	42.4
168	-	-	42.2	-	49.3	40.1	-	-	47.0	-	-	-	-	-	45.6	41.3
176	-	-	-	-	-	38.0	-	-	44.8	36.7	-	-	-	-	44.8	40.2
184	-	-	-	-	-	36.3	-	-	42.5	34.7	-	-	-	-	44.0	39.0
192	-	-	-	-	-	-	-	-	-	32.7	-	-	-	-	43.3	38.0
200	-	-	-	-	-	-	-	-	-	31.1	-	-	-	-	42.7	37.0
208	-	-	-	-	-	-	-	-	-	29.8	-	-	-	-	42.5	36.1
216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.5	35.1
224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.5	34.0
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.5	33.0
240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.5	32.0

		196.9 ft			216.5 ft			236.2 ft			255.9 ft			275.6 ft			295.3 ft		
		83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°	83°	73°	65°
ft		1,000 lb																	
104	59.1*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
112	56.7*	-	-	-	49.3*	-	-	42.5*	-	-	-	-	-	-	-	-	-	-	-
120	54.4*	-	-	-	47.4*	-	-	41.4*	-	-	35.0*	-	-	-	-	-	-	-	-
128	52.1*	-	-	-	45.5*	-	-	40.3*	-	-	34.4*	-	-	-	-	-	-	-	-
136	49.7*	-	-	-	43.6*	-	-	39.1*	-	-	33.9*	-	-	28.2*	-	-	-	-	22.7*
144	47.3*	-	-	-	42.0*	-	-	38.0*	-	-	33.1*	-	-	27.9*	-	-	-	-	22.3*
152	44.9*	-	-	-	40.1*	-	-	36.9*	-	-	32.6*	-	-	27.6*	-	-	-	-	22.1*
160	42.5*	-	-	-	38.3*	-	-	35.4*	-	-	31.9*	-	-	27.3*	-	-	-	-	21.8*
168	40.6*	35.5	-	-	36.6*	-	-	33.9*	-	-	30.9*	-	-	27.0*	-	-	-	-	21.5*
176	39.0*	34.5	-	-	34.9*	29.4	-	32.4*	-	-	29.7*	-	-	26.6*	-	-	-	-	21.2*
184	37.7*	33.6	-	-	33.6*	28.6	-	30.9*	24.5	-	28.6*	-	-	26.6*	-	-	-	-	21.2*
192	36.7*	32.7	-	-	32.3*	27.9	-	29.5*	23.9	-	27.5*	19.3	-	25.6*	-	-	-	-	20.8*
200	36.2*	32.0	-	-	31.1*	27.2	-	28.2*	23.2	-	26.5*	19.1	-	25.5*	15.1	-	-	-	20.6*
208	35.8*	31.4	-	-	30.1*	26.5	-	27.2*	22.5	-	25.5*	18.8	-	24.3*	14.9	-	-	-	20.2*
216	35.3*	30.9	26.6	-	29.6*	25.8	-	26.3*	21.9	-	24.5*	18.5	-	23.6*	14.8	-	-	-	20.2*
224	-	30.2	25.1	-	29.3*	25.3	23.0	-	25.2*	21.3	-	23.6*	18.1	23.0*	14.6	-	-	-	20.2*
232	-	29.4	23.6	-	25.0	21.7	24.3	-	24.3*	20.8	-	22.7*	17.8	22.2*	14.5	-	-	-	20.2*
240	-	28.4	22.3	-	24.4	20.3	23.9	-	23.9*	20.4	17.7	21.9	17.5	22.2*	14.4	-	-	-	20.2*
248	-	-	21.1	-	24.0	19.1	23.7	-	23.7*	20.0	16.8	21.2	17.1	22.2*	14.2	-	-	-	20.2*
256	-	-	20.0	-	23.6	18.1	-	19.6	15.9	20.5	16.8	20.5	16.8	22.2*	14.1	9.7	-	-	20.2*
264	-	-	19.0	-	22.6	17.0	-	19.3	14.8	20.2	16.5	20.2	16.5	22.2*	13.8	9.7	-	-	20.2*
272	-	-	-	-	-	16.0	-	19.0	13.8	-	16.2	12.5	12.5	22.2*	13.6	9.7	-	-	20.2*
280	-	-	-	-	-	15.0	-	18.4	12.8	-	15.8	12.2	12.2	22.2*	13.5	9.5	-	-	20.2*
288	-	-	-	-	-	-	-	-	12.0	-	15.6	11.5	11.5	22.2*	13.3	9.4	-	-	20.2*
296	-	-	-	-	-	-	-	-	11.2	-	15.4	10.7	10.7	22.2*	13.2	9.2	-	-	20.2*
304	-	-	-	-	-	-	-	-	10.5	-	15.0	9.9	9.9	22.2*	13.1	9.1	-	-	20.2*
312	-	-	-	-	-	-	-	-	-	-	-	9.2	9.2	22.2*	13.0	8.7	-	-	20.2*
320	-	-	-	-	-	-	-	-	-	-	-	8.5	8.5	22.2*	13.0	8.1	-	-	20.2*
328	-	-	-	-	-	-	-	-	-	-	-	-	-	22.2*	13.0	7.4	-	-	20.2*
336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.0	6.7	-	-	20.2*
344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.0	6.2	-	-	20.2*
352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.0	6.2	-	-	20.2*

176,400 lb 220,500 lb 264,600 lb 308,700 lb 352,800 lb 396,800 lb