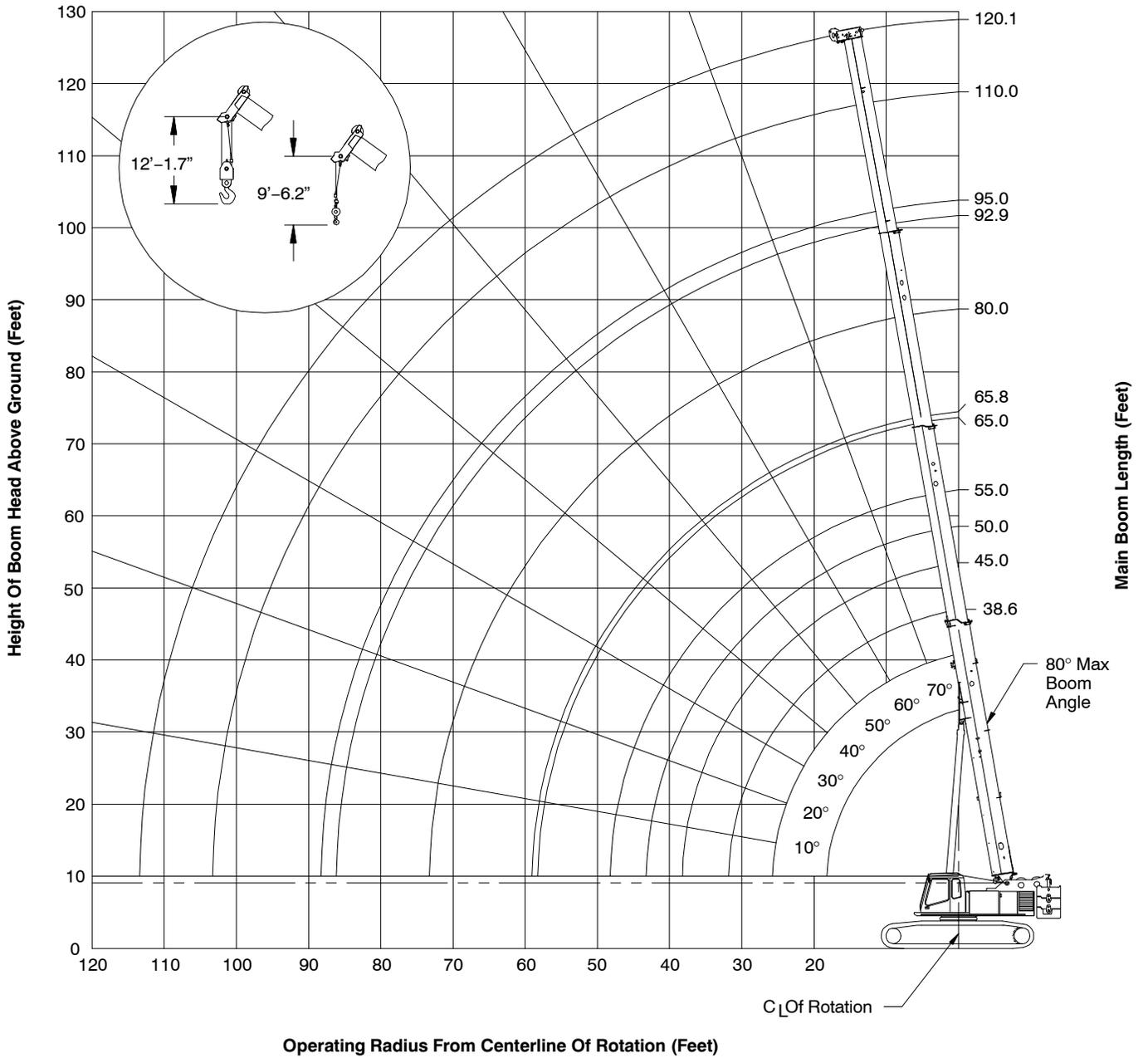
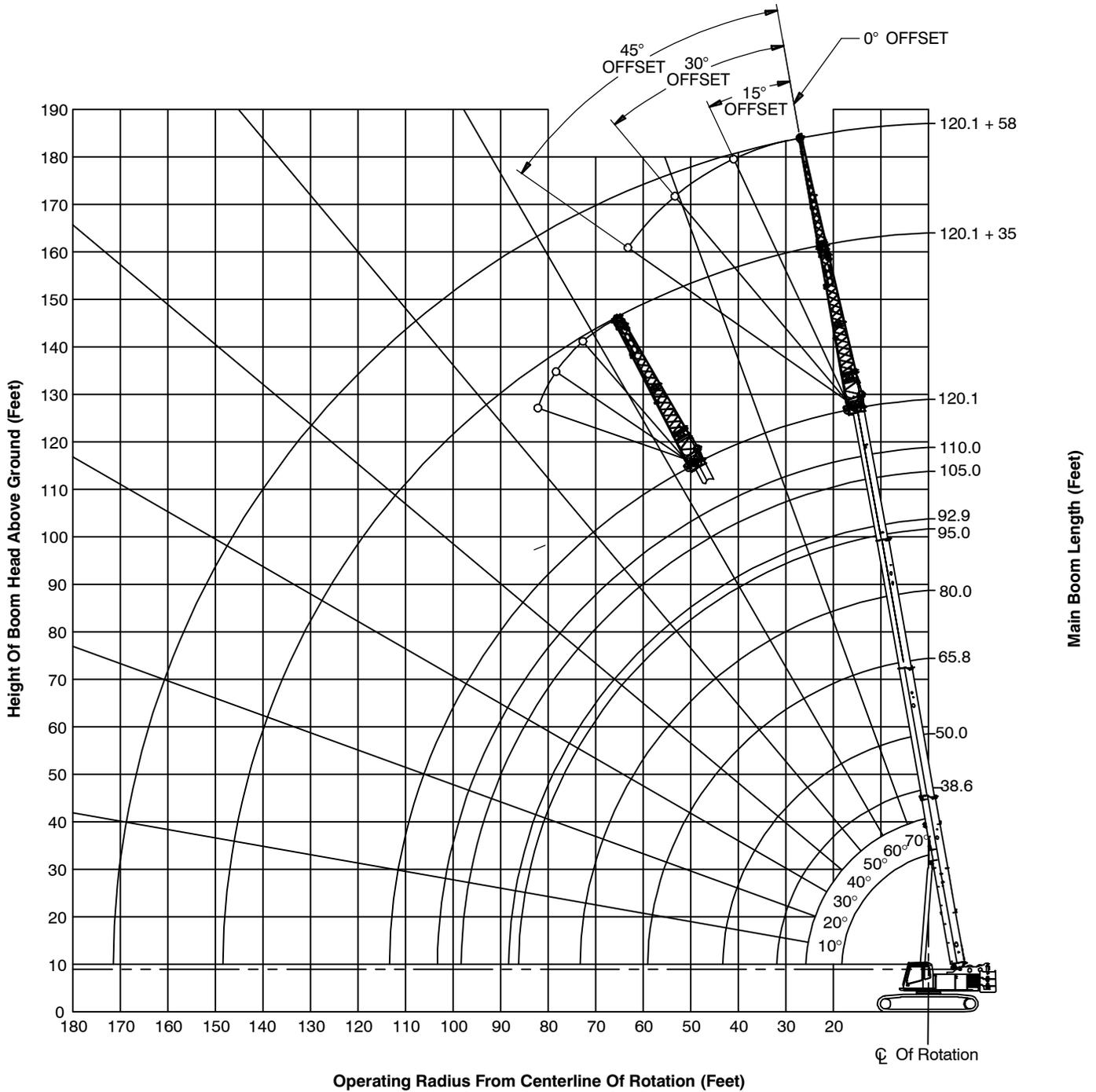


Main Boom Working Range Diagrams

Standard Mode – Extended Gauge



Main Boom + Fly Working Range Diagrams



Main Boom Load Charts

Main Boom Lift Capacity Chart 360° Rotation – Side Frames Extended Position ABC+A [38,500, + 6,000 lb] Counterweight [All capacities are listed in kips]								
Load Radius (ft)	Boom Length (ft)							Load Radius (ft)
	38.6	45.0 - 50.0	65.0 - 65.8	80.0	92.9 - 95.0	110.0	120.1	
9.0	160.0							9.0
10.0	156.8	116.2	101.3					10.0
12.0	141.7	116.2	93.4	57.5				12.0
15.0	117.1	116.2	83.4	57.5	57.7			15.0
20.0	79.9	79.5	70.6	55.9	57.7	42.9		20.0
25.0	55.1	56.5	56.4	55.9	49.0	42.6	34.1	25.0
30.0	41.0	42.9	44.1	43.1	43.3	38.0	34.1	30.0
35.0		33.8	35.0	35.6	34.3	34.1	31.7	35.0
40.0		27.4	28.7	29.3	28.1	28.7	28.2	40.0
45.0		20.9	23.9	24.6	25.0	24.0	23.6	45.0
50.0			20.3	21.0	21.4	20.5	20.0	50.0
55.0			17.4	18.1	18.5	17.6	17.2	55.0
60.0				15.8	16.1	15.5	15.1	60.0
65.0				13.9	14.3	13.5	13.2	65.0
70.0				12.3	12.7	11.9	11.6	70.0
75.0					11.3	10.5	10.2	75.0
80.0					10.1	9.3	9.0	80.0
85.0					9.0	8.3	8.0	85.0
90.0						7.4	7.1	90.0
95.0						6.6	6.3	95.0
100.0						5.9	5.5	100.0
105.0							4.9	105.0
110.0							4.3	110.0

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Main Boom Lift Capacity Chart
360° Rotation – Side Frames Intermediate Position
AB+0 [26,250 lb + 6,000 lb] Counterweight
[All capacities are listed in kips]

Load Radius (ft)	Boom Length (ft)							Load Radius (ft)
	38.6	45.0 - 50.0	65.0 - 65.8	80.0	92.9 - 95.0	110.0	120.1	
9.0	160.0							9.0
10.0	156.8	116.2	101.3					10.0
12.0	135.8	116.2	93.4	57.5				12.0
15.0	89.2	88.6	83.4	57.5	57.7			15.0
20.0	54.3	56.1	56.4	55.9	55.7	42.9		20.0
25.0	37.6	39.4	40.5	41.1	39.7	40.3	34.1	25.0
30.0	27.7	29.6	30.8	31.4	31.7	30.7	30.2	30.0
35.0		23.0	24.3	24.9	25.2	24.2	23.8	35.0
40.0		18.4	19.6	20.3	20.6	19.7	19.3	40.0
45.0		13.2	16.2	16.9	17.2	16.3	15.9	45.0
50.0			13.6	14.3	14.7	13.8	13.4	50.0
55.0			11.4	12.1	12.5	11.8	11.4	55.0
60.0				10.4	10.8	10.0	9.7	60.0
65.0				9.0	9.3	8.6	8.3	65.0
70.0				7.7	8.1	7.4	7.1	70.0
75.0					7.1	6.4	6.0	75.0
80.0					6.2	5.5	5.1	80.0
85.0					5.4	4.7	4.4	85.0
90.0						4.0	3.7	90.0
95.0						3.4	3.1	95.0
100.0						2.8	2.5	100.0
105.0							2.0	105.0
110.0							1.6	110.0

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Main Boom Lift Capacity Chart 360° Rotation — Side Frames Retracted Position A+A [14,000 lb+ 6,000 lb] Counterweight [All capacities are listed in kips]								
Load Radius (ft)	Boom Length (ft)							Load Radius (ft)
	38.6	45.0 - 50.0	65.0 - 65.8	80.0	92.9 - 95.0	110.0	120.1	
9.0	113.2							9.0
10.0	92.3	91.5						10.0
12.0	66.5	65.9	64.6					12.0
15.0	45.7	47.4	48.5					15.0
20.0	28.3	30.1	31.2	31.7	32.0			20.0
25.0	19.2	20.9	22.1	22.7	23.0	22.0		25.0
30.0	13.6	15.3	16.5	17.1	17.4	16.4	16.0	30.0
35.0		11.5	12.7	13.4	13.7	12.8	12.4	35.0
40.0		8.7	9.9	10.6	11.0	10.1	9.7	40.0
45.0		4.9	7.8	8.5	8.9	8.1	7.7	45.0
50.0			6.1	6.8	7.2	6.5	6.1	50.0
55.0			4.8	5.5	5.9	5.1	4.8	55.0
60.0				4.4	4.8	4.1	3.7	60.0
65.0				3.5	3.9	3.2	2.8	65.0
70.0				2.7	3.1	2.4	2.1	70.0
75.0					2.4	1.7	1.4	75.0
80.0					1.9	1.2		80.0
85.0					1.4			85.0

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Main Boom + Fly Lift Capacity Chart
360° Rotation – Standard Mode – Side Frames Extended Position
ABC+A [38,500, + 6,000 lb] Counterweight
[All capacities are listed in kips]

Load Radius (ft)	115 Boom Length (ft)						Load Radius (ft)
	28.25' Offset Fly			51' Offset Fly			
	2°	20°	40°	2°	20°	40°	
35	11.1						35
40	11.1						40
45	11.1	11.9		7.5			45
50	11.1	11.4		7.5			50
55	11.1	11.0	8.8	7.5			55
60	10.0	10.0	8.6	7.5	6.2		60
65	8.7	9.2	8.3	7.5	5.9		65
70	7.6	8.1	8.1	7.5	5.6	4.0	70
75	6.7	7.2	7.6	7.0	5.4	3.8	75
80	5.9	6.3	6.7	6.2	5.2	3.7	80
85	5.2	5.6	5.9	5.5	4.9	3.6	85
90	4.6	4.9	5.2	4.9	4.7	3.5	90
95	4.0	4.3	4.6	4.3	4.5	3.4	95
100	3.5	3.8	4.0	3.8	4.4	3.4	100
105	3.1	3.3	3.5	3.4	3.9	3.3	105
110	2.7	2.9	3.0	3.0	3.4	3.2	110
115	2.3	2.5	2.6	2.6	3.0	3.2	115
120	2.0	2.2		2.3	2.7	3.0	120
125	1.7	1.8		2.0	2.3	2.6	125
130	1.4	1.5		1.7	2.0	2.2	130
135	1.2			1.5	1.7	1.9	135
140				1.3	1.5	1.6	140
145				1.0	1.2		145
150					1.0		150

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Main Boom Load Charts – Metric

Main Boom Lift Capacity Chart 360° Rotation – Side Frames Extended Position ABC+A [17.5t +2.8t] Counterweight [All capacities are listed in metric tons (t)]								
Load Radius (m)	Boom Length (m)							Load Radius (m)
	11.76	13.73-16.76	19.81-20.04	24.38	28.33-38.96	33.53	36.6	
2.5	75.0							2.5
3.0	71.8	52.7	46.3					3.0
3.5	66.0	52.7	43.3					3.5
4.0	60.9	52.7	40.6	26.1				4.0
4.5	54.0	52.3	38.2	26.1	26.2			4.5
5.0	48.4	48.2	36.0	26.1	26.2			5.0
6.0	37.3	37.1	32.3	25.4	25.5	19.5		6.0
7.0	28.8	28.7	28.2	25.4	23.4	19.5		7.0
8.0	23.1	24.0	24.5	24.0	21.6	18.8	15.5	8.0
9.0	19.1	20.0	20.5	20.1	20.0	17.4	15.5	9.0
10.0		17.0	17.5	17.2	17.2	16.3	15.0	10.0
12.0		12.8	13.3	13.6	13.1	13.3	13.1	12.0
14.0		9.1	10.5	10.9	11.0	10.6	10.4	14.0
16.0			8.5	8.9	9.0	8.6	8.4	16.0
18.0				7.4	7.5	7.2	7.0	18.0
20.0				6.2	6.4	6.1	5.9	20.0
22.0				5.3	5.5	5.1	5.0	22.0
24.0					4.7	4.4	4.2	24.0
26.0					4.1	3.8	3.6	26.0
28.0						3.2	3.1	28.0
30.0						2.8	2.6	30.0
32.0							2.2	32.0
34.0							2.0	34.0

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Main Boom Lift Capacity Chart 360° Rotation – Side Frames Intermediate Position AB+A [11.9t + 2.8t] Counterweight [All capacities are listed in metric tons (t)]								
Load Radius (m)	Boom Length (m)							Load Radius (m)
	11.76	13.73-16.76	19.81-20.04	24.38	28.33-38.96	33.53	36.6	
2.5	75.0							2.5
3.0	71.8	52.7						3.0
3.5	64.4	52.7	43.3	26.1				3.5
4.0	52.0	51.7	40.6	26.1				4.0
4.5	41.7	41.4	38.2	26.1	23.6			4.5
5.0	34.6	34.3	33.7	26.1	26.2			5.0
6.0	25.3	25.6	25.6	25.4	25.5	19.5		6.0
7.0	19.6	20.5	21.0	21.2	20.6	19.5	15.4	7.0
8.0	15.7	16.6	17.1	17.3	17.2	17.0	15.4	8.0
9.0	12.9	13.8	14.3	14.5	14.7	14.3	14.1	9.0
10.0		11.6	12.2	12.5	12.6	12.2	12.0	10.0
12.0		8.6	9.2	9.5	9.6	9.2	9.0	12.0
14.0		5.8	7.1	7.4	7.6	7.2	7.1	14.0
16.0			5.7	6.0	6.2	5.8	5.6	16.0
18.0				4.9	5.1	4.7	4.5	18.0
20.0				4.0	4.2	3.9	3.7	20.0
22.0				3.3	3.5	3.2	3.0	22.0
24.0					2.9	2.6	2.4	24.0
26.0					2.4	2.1	2.0	26.0
28.0						1.7	1.6	28.0
30.0						1.4	1.2	30.0
32.0							0.9	32.0
34.0							0.7	34.0

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Main Boom Lift Capacity Chart 360° Rotation – Side Frames Retracted Position A+A [6.3t +2.8t] Counterweight [All capacities are listed in metric tons (t)]								
Load Radius (m)	Boom Length (m)							Load Radius (m)
	11.76	13.73-16.76	19.81-20.04	24.38	28.33-38.96	33.53	36.6	
3.0	43.2	42.8						3.0
3.5	32.6	32.3	25.6					3.5
4.0	25.9	25.7	25.6					4.0
4.5	21.3	22.0	22.6					4.5
5.0	17.9	18.7	19.2	19.5				5.0
6.0	13.2	14.0	14.5	14.7	14.9			6.0
7.0	10.1	10.9	11.5	11.7	11.9			7.0
8.0	8.0	8.8	9.3	9.6	9.7	9.3	9.0	8.0
9.0	6.4	7.2	7.7	8.0	8.1	7.7	7.5	9.0
10.0		5.9	6.5	6.8	6.9	6.5	6.3	10.0
12.0		4.1	4.6	5.0	5.1	4.7	4.6	12.0
14.0		2.1	3.4	3.7	3.9	3.5	3.4	14.0
16.0			2.5	2.8	3.0	2.6	2.5	16.0
18.0				2.1	2.3	1.9	1.8	18.0
20.0				1.6	1.7	1.4	1.3	20.0
22.0				1.1	1.3	1.0	0.8	22.0
24.0					0.9	0.6	0.5	24.0
26.0					0.6			26.0

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Main Boom + Fly Lift Capacity Chart									
360° Rotation – Standard Mode – Side Frames Extended Position									
ABC+A [17.5t + 2.8t] Counterweight									
[All capacities are listed in metric tons (t)]									
Load Radius (m)	115'm Boom Length								Load Radius (m)
	10.7m Offset Fly				17.7m Offset Fly				
	0°	15°	30°	45°	0°	15°	30°	45°	
9.0	7.6								9.0
10.0	7.6				4.3				10.0
12.0	7.6	6.6			4.2				12.0
14.0	7.6	6.4	5.4		4.1				14.0
16.0	7.4	6.1	5.3	4.7	4.0	3.5			16.0
18.0	7.1	5.9	5.1	4.6	3.8	3.4			18.0
20.0	6.1	5.7	5.0	4.5	3.7	3.3	3.0		20.0
22.0	5.2	5.5	4.9	4.4	3.6	3.2	2.9	2.5	22.0
24.0	4.4	4.7	4.7	4.3	3.5	3.1	2.8	2.5	24.0
26.0	3.8	4.0	4.2	4.2	3.4	3.1	2.7	2.4	26.0
28.0	3.3	3.5	3.6	3.8	3.3	3.0	2.6	2.4	28.0
30.0	2.8	3.0	3.1	3.2	3.0	2.9	2.6	2.3	30.0
32.0	2.4	2.6	2.7	2.8	2.6	2.8	2.5	2.3	32.0
34.0	2.1	2.2	2.3	2.4	2.3	2.5	2.4	2.2	34.0
36.0	1.8	1.9	2.0	2.0	2.0	2.2	2.3	2.2	36.0
38.0	1.5	1.6	1.7		1.7	1.9	2.1	2.2	38.0
40.0	1.3	1.4	1.4		1.5	1.7	1.8	1.9	40.0
42.0	1.1	1.2			1.3	1.4	1.6	1.6	42.0
44.0	0.9	0.9			1.1	1.2	1.3		44.0
46.0					0.9	1.0	1.1		46.0
48.0					0.8	0.9	0.9		48.0
50.0					0.6	0.7			50.0
52.0					0.5				52.0

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