

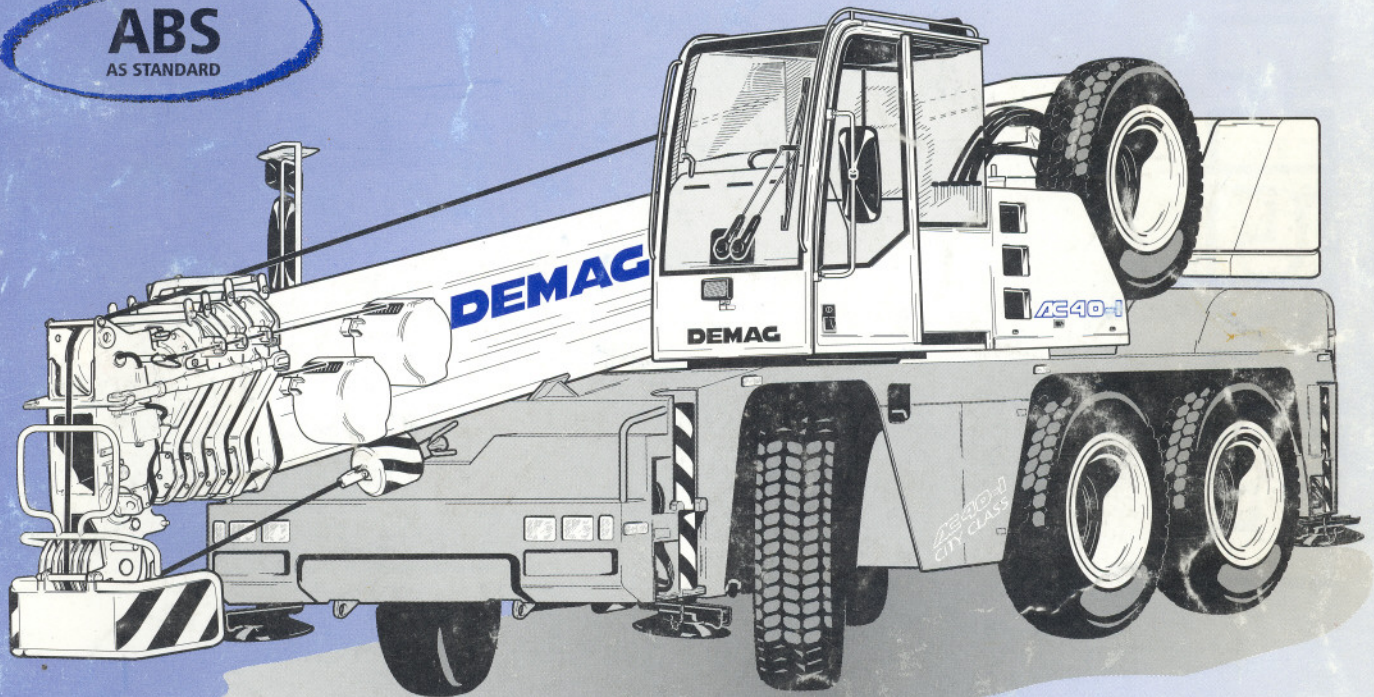
DEMAG

Mobile Cranes

AC 40-1 2002

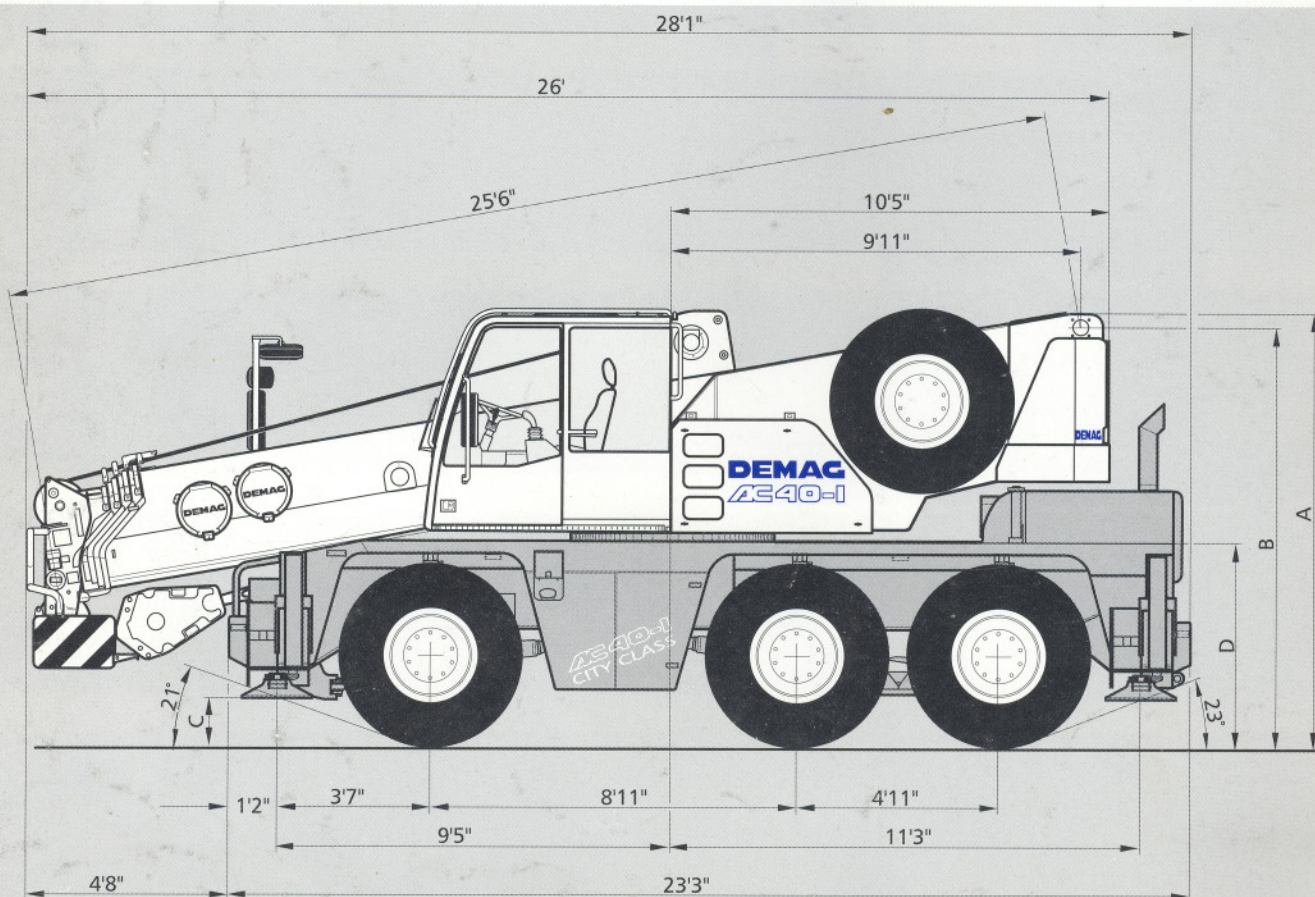
Demag AC 40-1

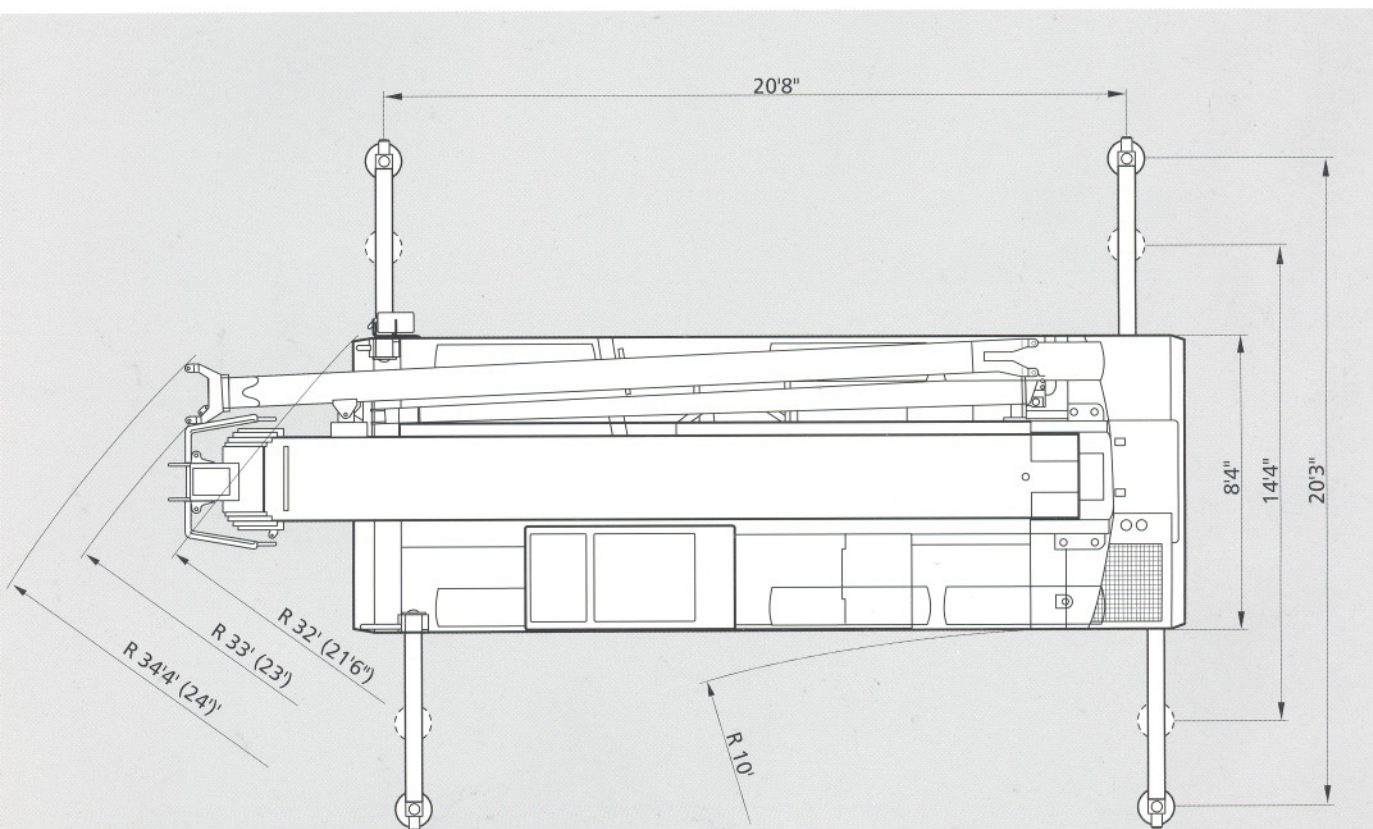
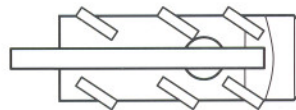
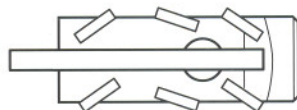
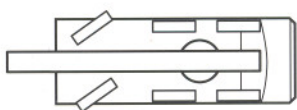
ABS
AS STANDARD



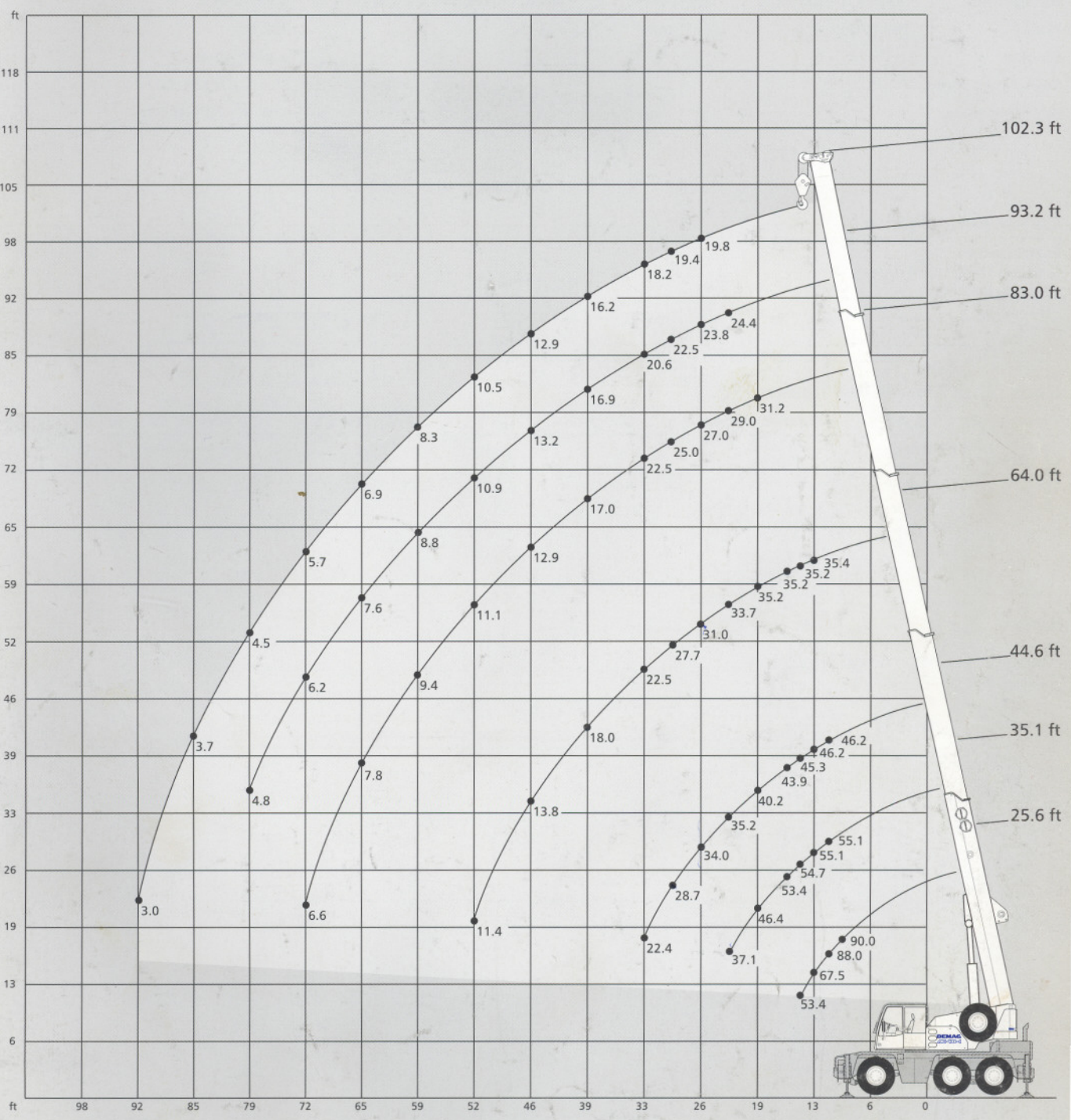
45t

Type of tires	Level	A	B	C	D
14.00	Road	10'5"	10'1"	1'2"	4'9"
14.00	Lowered	10'2"	9'9"	9"	4'6"
445 / 65	Road	10'1"	9'8"	8"	4'5"
445 / 65	Lowered	9'8"	9'5"	5"	4'2"





Working ranges main boom



Lifting capacities main boom

 20'10" x 20'4" 360°									DIN/ISO
Main boom									
Radius	ft	25.6	35.1	44.6	64.0	83.0	93.2	102.3	
ft		1,000 lb							
8		90.0 *	-	-	-	-	-	-	
10		88.0 *	-	-	-	-	-	-	
10		75.2	55.1	46.2	-	-	-	-	
11		72.6	55.1	46.2	-	-	-	-	
13		67.5	55.1	46.2	35.4	-	-	-	
15		53.4	54.7	45.3	35.2	-	-	-	
16		-	53.4	43.9	35.2	-	-	-	
19		-	46.4	40.2	35.2	31.2	-	-	
23		-	37.1	35.2	33.7	29.0	24.4	-	
26		-	-	34.0	31.0	27.0	23.8	19.8	
29		-	-	28.7	27.7	25.0	22.5	19.4	
33		-	-	22.4	22.5	22.5	20.6	18.2	
39		-	-	-	18.0	17.0	16.9	16.2	
46		-	-	-	13.8	12.9	13.2	12.9	
52		-	-	-	11.4	11.1	10.9	10.5	
59		-	-	-	-	9.4	8.8	8.3	
65		-	-	-	-	7.8	7.6	6.9	
72		-	-	-	-	6.6	6.2	5.7	
79		-	-	-	-	-	4.8	4.5	
85		-	-	-	-	-	-	3.7	
92		-	-	-	-	-	-	3.0	
Capacities ¹⁾		44.0	30.8	19.4	9.9	5.5	3.9	2.4	

 0°*					DIN/ISO
Main boom					
	25.6	35.1	44.6		Radius
	1,000 lb				ft
	-	-	-		8
	-	-	-		10
	31.6	30.5	32.9		10
	29.4	28.3	30.6		11
	25.5	24.6	26.8		13
	19.6	21.7	23.9		15
	-	20.3	22.5		16
	-	17.2	19.2		19
	-	13.3	15.8		23
	-	-	13.2		26
	-	-	10.9		29
	-	-	9.0		33
	-	-	-		39
	-	-	-		46
	-	-	-		52
	-	-	-		59
	-	-	-		65
	-	-	-		72
	-	-	-		79
	-	-	-		85
	-	-	-		92
Capacities ¹⁾	17.6	8.8	6.6		

 20'10" x 7'8" 360°						DIN/ISO
Main boom						
Radius	ft	25.6	35.1	44.6	64.0	
ft		1,000 lb				
13		26.5	25.0	28.1	28.7	
15		18.5	19.8	22.6	23.3	
16		-	17.7	20.4	21.1	
19		-	13.4	15.7	16.4	
23		-	9.3	11.6	12.1	
26		-	-	9.6	10.0	
29		-	-	8.1	8.6	
33		-	-	6.4	6.9	
39		-	-	-	5.1	
46		-	-	-	3.7	
52		-	-	-	2.9	
Capacities ¹⁾		17.6	6.1	4.6	-	

 360°**					DIN/ISO
Main boom					
	25.6	35.1	44.6		Radius
	1,000 lb				ft
	-	-	-		13
	11.1	11.6	14.2		15
	-	10.7	13.2		16
	-	8.4	10.8		19
	-	6.1	8.3		23
	-	-	6.9		26
	-	-	5.9		29
	-	-	4.8		33
	-	-	-		39
	-	-	-		46
	-	-	-		52
Capacities ¹⁾	10.6	4.2	2.9		

Remarks

- * 0° over rear
- ** only stationary
- ¹⁾ with horizontal boom



20'10" x 14'5"

360°

DIN/ISO

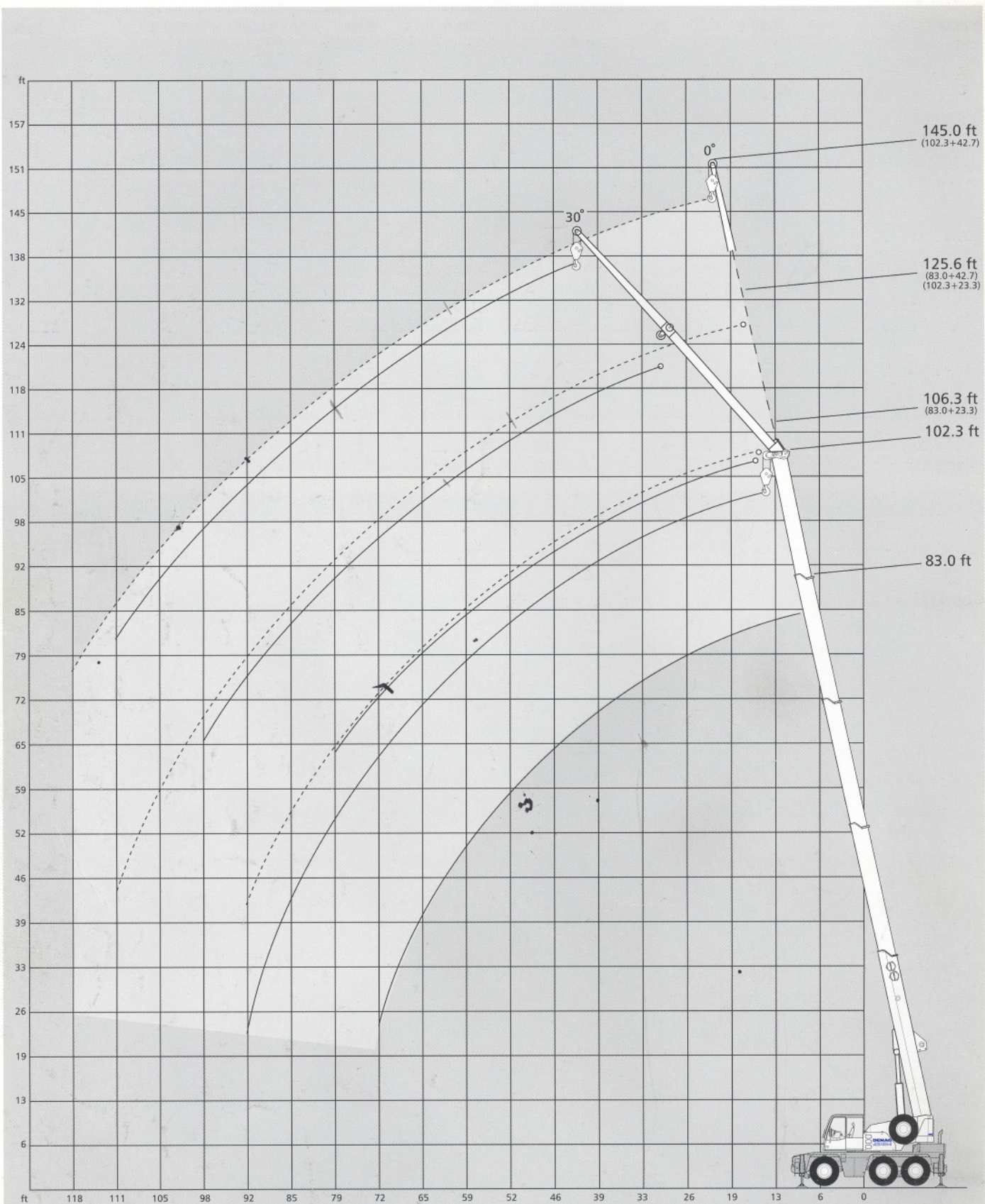
Main boom

Radius	ft	25.6	35.1	44.6	64.0	83.0	93.2	102.3	Radius
ft					1,000 lb				ft
10		74.9	55.1	46.2	-	-	-	-	10
11		70.7	55.1	46.2	-	-	-	-	11
13		62.8	55.1	46.2	35.4	-	-	-	13
15		44.9	49.2	44.7	35.2	-	-	-	15
16		-	43.0	41.1	35.2	-	-	-	16
19		-	31.1	32.4	32.1	31.2	-	-	19
23		-	21.3	24.4	25.0	23.9	23.7	-	23
26		-	-	19.9	20.6	19.5	19.5	19.6	26
29		-	-	16.6	17.3	17.2	16.8	16.4	29
33		-	-	13.2	14.0	14.2	13.7	13.3	33
39		-	-	-	10.7	11.0	10.5	10.1	39
46		-	-	-	8.1	8.3	7.9	7.4	46
52		-	-	-	6.7	6.7	6.3	6.0	52
59		-	-	-	-	5.5	5.0	4.6	59
65		-	-	-	-	4.7	4.0	3.8	65
72		-	-	-	-	3.7	3.3	2.8	72
79		-	-	-	-	-	2.6	2.1	79
85		-	-	-	-	-	-	1.7	85
92		-	-	-	-	-	-	1.3	92
Capacities ¹⁾		44.1	15.4	11.4	5.5	3.3	1.7	-	Capacities ¹⁾

Remarks

¹⁾ with horizontal boom

Working ranges main boom extension



Lifting capacities main boom extension

 20'10" x 20'4" 360° DIN/ISO

83.0 ft Main boom

		23.3 ft		Extension	42.7 ft	
Radius		0°	30°		0°	30°
ft		1,000 lb				
26		14.3	-	-	-	
29		13.7	-	-	-	
33		12.9	9.2	7.9	-	
39		11.9	8.8	7.3	-	
46		10.7	8.3	6.6	-	
52		9.9	8.1	6.2	4.8	
59		8.8	7.7	5.7	4.6	
65		7.4	7.5	5.3	4.4	
72		6.2	6.4	5.0	4.1	
79		5.0	5.2	4.6	4.1	
85		4.2	-	4.4	3.9	
92		3.5	-	3.7	3.9	
98		-	-	3.3	3.5	
105		-	-	2.6	-	
111		-	-	2.2	-	

102.3 ft Main boom

33	11.0	-	-	-
39	10.6	8.6	6.6	-
46	10.1	8.1	6.3	-
52	9.7	7.7	6.1	-
59	8.8	7.2	5.9	4.6
65	7.4	6.8	5.5	4.4
72	5.9	6.4	5.2	4.1
79	4.8	5.2	4.8	4.1
85	4.0	4.4	4.2	3.9
92	3.2	3.5	3.5	3.9
98	2.6	2.9	2.9	3.5
105	1.9	-	2.4	2.8
111	1.5	-	2.0	2.2
118	-	-	1.5	-

 20'10" x 14'5" 360° DIN/ISO

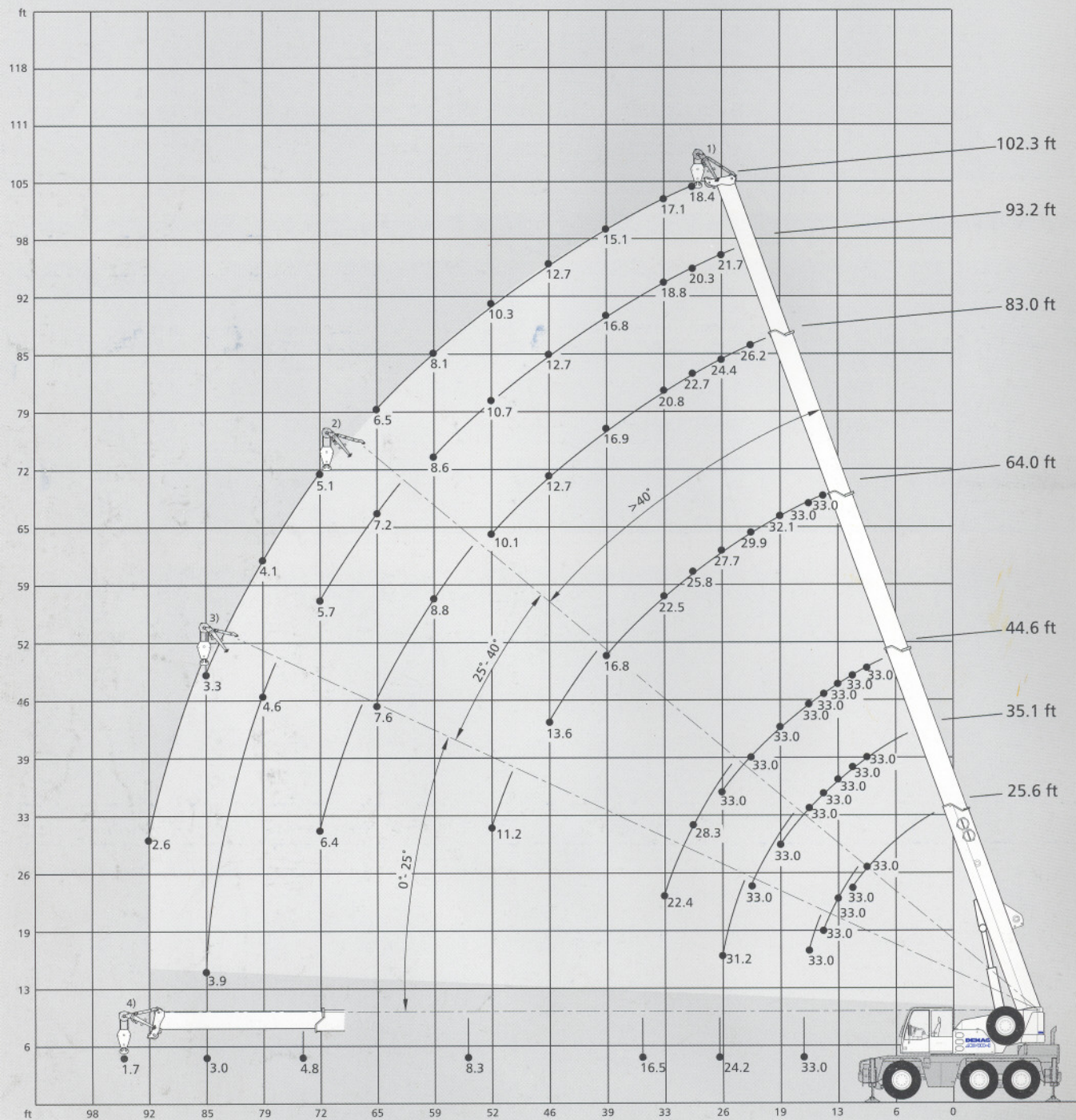
83.0 ft Main boom

Radius ft	23.3 ft		Extension 1,000 lb	42.7 ft	
	0°	30°		0°	30°
26	14.3	-	-	-	
29	13.7	-	-	-	
33	12.9	9.2	7.9	-	
39	10.5	8.8	7.3	-	
46	7.9	8.3	6.6	-	
52	6.3	6.9	6.2	4.8	
59	5.0	5.5	5.2	4.6	
65	4.0	4.5	4.2	4.4	
72	3.3	3.5	3.5	4.1	
79	2.6	2.8	2.8	3.5	
85	2.0	-	2.2	2.8	
92	1.5	-	1.7	2.1	
98	-	-	1.3	1.7	
105	-	-	-	-	
111	-	-	-	-	

102.3 ft Main boom

33	10.9	-	-	-
39	10.1	8.6	6.6	-
46	7.7	8.1	6.3	-
52	6.2	6.9	6.1	-
59	4.8	5.5	5.0	4.6
65	3.8	4.5	4.0	4.4
72	3.1	3.5	3.3	3.9
79	2.3	2.8	2.6	3.2
85	1.7	2.2	2.0	2.6
92	1.3	1.5	1.5	2.1
98	-	-	-	1.5
105	-	-	-	-
111	-	-	-	-
118	-	-	-	-

Runner for workshop applications



Lifting capacities runner

 20'10" x 20'4" 360°									DIN/ISO
Main boom									
Radius	ft	25.6	35.1	44.6	64.0	83.0	93.2	102.3	
ft					1,000 lb				ft
10		33.0 ¹⁾	33.0 ¹⁾	33.0 ¹⁾	-	-	-	-	10
11		33.0 ¹⁾	33.0 ¹⁾	33.0 ¹⁾	-	-	-	-	11
13		33.0 ²⁾	33.0 ¹⁾	33.0 ¹⁾	-	-	-	-	13
15		33.0 ²⁾	33.0 ¹⁾	33.0 ¹⁾	33.0 ¹⁾	-	-	-	15
16		33.0 ³⁾	33.0 ¹⁾	33.0 ¹⁾	33.0 ¹⁾	-	-	-	16
19		-	33.0 ¹⁾	33.0 ¹⁾	32.1 ¹⁾	-	-	-	19
23		-	33.0 ²⁾	33.0 ¹⁾	29.9 ¹⁾	26.2 ¹⁾	-	-	23
26		-	31.2 ³⁾	33.0 ¹⁾	27.7 ¹⁾	24.4 ¹⁾	21.7 ¹⁾	-	26
29		-	-	28.3 ²⁾	25.8 ¹⁾	22.7 ¹⁾	20.3 ¹⁾	18.4 ¹⁾	29
33		-	-	22.4 ²⁾	22.5 ¹⁾	20.8 ¹⁾	18.8 ¹⁾	17.1 ¹⁾	33
39		-	-	-	16.8 ¹⁾	16.9 ¹⁾	16.8 ¹⁾	15.1 ¹⁾	39
46		-	-	-	13.6 ²⁾	12.7 ¹⁾	12.7 ¹⁾	12.7 ¹⁾	46
52		-	-	-	11.2 ³⁾	10.1 ¹⁾	10.7 ¹⁾	10.3 ¹⁾	52
59		-	-	-	-	8.8 ²⁾	8.6 ¹⁾	8.1 ¹⁾	59
65		-	-	-	-	7.6 ²⁾	7.2 ²⁾	6.5 ¹⁾	65
72		-	-	-	-	6.4 ³⁾	5.7 ²⁾	5.1 ²⁾	72
79		-	-	-	-	-	4.6 ³⁾	4.1 ²⁾	79
85		-	-	-	-	-	3.9 ³⁾	3.3 ²⁾	85
92		-	-	-	-	-	-	2.6 ³⁾	92
Capacities ⁴⁾		33.0 ²⁺³⁾	24.2 ²⁺³⁾	16.5 ²⁺³⁾	8.3 ²⁺³⁾	4.8 ²⁺³⁾	3.0 ²⁺³⁾	1.7 ²⁺³⁾	Capacities ⁴⁾

 20'10" x 14'5" 360°									DIN/ISO
Main boom									
Radius	ft	25.6	35.1	44.6	64.0	83.0	93.2	102.3	
ft					1,000 lb				ft
10		33.0 ¹⁾	33.0 ¹⁾	33.0 ¹⁾	-	-	-	-	10
11		33.0 ¹⁾	33.0 ¹⁾	33.0 ¹⁾	-	-	-	-	11
13		33.0 ²⁾	33.0 ¹⁾	33.0 ¹⁾	-	-	-	-	13
15		33.0 ²⁾	33.0 ¹⁾	33.0 ¹⁾	33.0 ¹⁾	-	-	-	15
16		33.0 ³⁾	33.0 ¹⁾	33.0 ¹⁾	33.0 ¹⁾	-	-	-	16
19		-	30.1 ¹⁾	32.5 ¹⁾	32.0 ¹⁾	-	-	-	19
23		-	21.9 ²⁾	24.6 ¹⁾	24.1 ¹⁾	24.1 ¹⁾	-	-	23
26		-	17.7 ³⁾	20.0 ¹⁾	20.5 ¹⁾	19.5 ¹⁾	19.4 ¹⁾	-	26
29		-	-	16.8 ²⁾	17.3 ¹⁾	16.4 ¹⁾	16.5 ¹⁾	16.2 ¹⁾	29
33		-	-	13.2 ²⁾	14.0 ¹⁾	14.2 ¹⁾	13.5 ¹⁾	13.1 ¹⁾	33
39		-	-	-	10.5 ¹⁾	10.7 ¹⁾	10.3 ¹⁾	9.6 ¹⁾	39
46		-	-	-	7.9 ²⁾	8.1 ¹⁾	7.6 ¹⁾	7.2 ¹⁾	46
52		-	-	-	6.5 ³⁾	6.5 ¹⁾	6.0 ¹⁾	5.6 ¹⁾	52
59		-	-	-	-	5.3 ²⁾	4.6 ¹⁾	4.2 ¹⁾	59
65		-	-	-	-	4.2 ²⁾	3.8 ²⁾	3.3 ¹⁾	65
72		-	-	-	-	3.5 ³⁾	2.8 ²⁾	2.4 ²⁾	72
79		-	-	-	-	-	2.3 ³⁾	1.7 ²⁾	79
85		-	-	-	-	-	1.7 ³⁾	-	85
92		-	-	-	-	-	-	-	92
Capacities ⁴⁾		33.0 ²⁺³⁾	14.9 ²⁺³⁾	10.5 ²⁺³⁾	5.0 ²⁺³⁾	2.6 ²⁺³⁾	-	-	Capacities ⁴⁾

Remarks

- 1) Working range – max. offset for runner
- 2) Working range – medium offset for runner
- 3) Working range – min. offset for runner
- 4) with horizontal boom