



T.S.K. CRANE SERVICE CO.,LTD.

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Load Chart



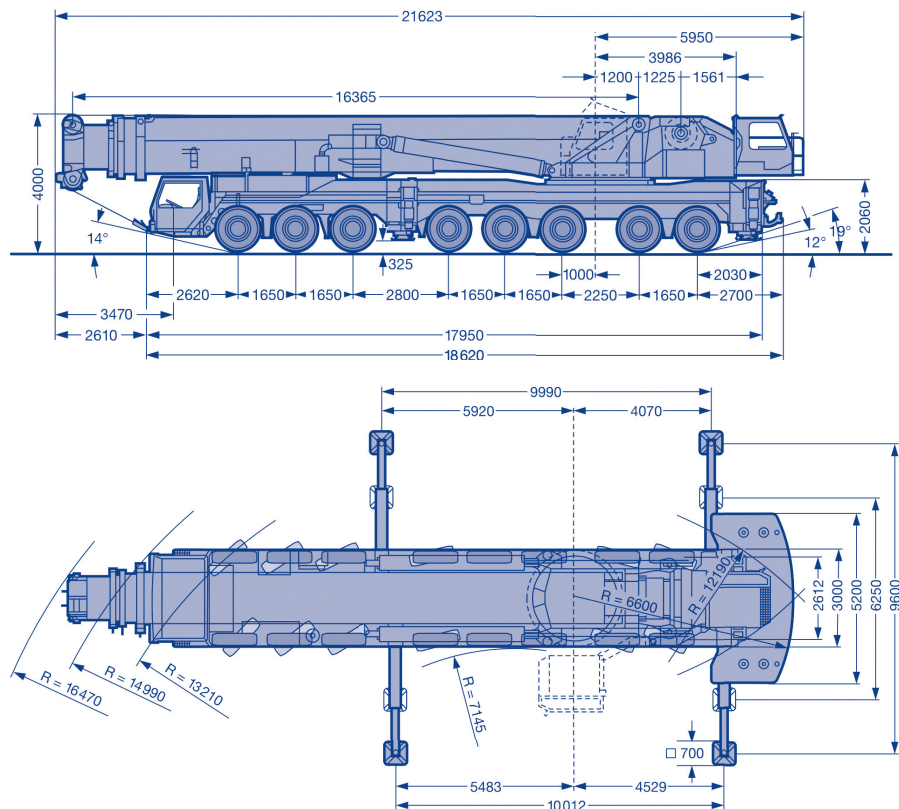
**FOR ALL TERRAIN CRANE 500 TONS
MODEL : LIEBHERR LTM - 1500**

CRANE SPECIFICATIONS

Max. Lifting Height	500 ton (500,000 kg.)	Working Radius 3.0 m.
Boom	Boom Section	3 Sections
	Length	16.1 / 21.3 / 26.5 / 31.7 / 36.9 / 42.1 / 47.3 / 50 m.and 84 m. (optional)
Jib	Fly (Length)	14 m. - 63 m.
	Lufting (Length)	21 m. - 91 m.
Dimensions	Length	21.62 m.
	Width	3.0 m.
	Height	4.0 m.
Wire Rope	Main Winch	25 mm. X 620 m. (Diameter x Length) Spin - resistant wire rope
Outriggers	2 Stages	Full extended width 9.6 m.
		Middle extended width 6.25 m.
Tires	Front	16.00 R25 (all wheels)
	Rear	16.00 R25 (all wheels)
Weights (Carrier only)	Gross Weight	Total 96,000 kg.

DIMENSIONS (1/100)

With 50 m long telescopic boom.





16.1 m - 50 m



10 m x 9.6 m



360°



135 t



m	16.1 m			21.3 m	26.5 m	31.7 m	36.9 m	42.1 m	47.3 m	50 m	m
3	500	500	500								3
3.5	400	400	400	272							3.5
4	325	325	325	267	247						4
4.5	274	274	269	263	238						4.5
5	268	262	252	251	231	187					5
6	238	233	223	221	212	171	150				6
7	213	209	199	199	195	158	139	121			7
8	193	189	179	179	178	147	129	113	98		8
9	176	163	162	162	161	138	120	106	93	81	9
10	161	150	147	147	146	130	112	100	88	76	10
12	133	124	123	124	122	111	98	88	80	69	12
14	113	105	105	106	104	99	87	79	72	62	14
16				92	90	89	78	71	64	56	16
18				80	79	79	71	63	58	52	18
20				66	71	70	63	57	53	47	20
22					63	62	59	53	48.5	42.5	22
24					57	56	55	49.5	44	38.5	24
26						50	50	46	41	35.5	26
28						46	46	43	38	33	28
30						42	42	40.5	35.5	30.5	30
32							38.5	37	33	27.9	32
34							35.5	34.5	31	26.3	34
36								32.5	29.4	24.7	36
38								30.5	27.9	23.3	38
40								28.6	26.4	21.9	40
42									24.9	20.6	42
44									23.5	19.4	44
46									18	18.2	46
48										17	48
I	0			46/0/0	46/0	92/46	92/46	92/46	92	100	I
II	0			0/46/0	46/46	46/46	46/92	92/92	92	100	II
III	0			0/0/46	0/46	0/46	46/46	46/92	92	100	III

TAB 216001/216002/216004



16.1 m - 50 m



10 m x 9.6 m



360°



105 t



m	16.1 m			21.3 m	26.5 m	31.7 m	36.9 m	42.1 m	47.3 m	50 m	m
3	274	274									3
3.5	274	274	274								3.5
4	274	274	274	247							4
4.5	274	263	261	238							4.5
5	257	245	244	231	187						5
6	228	217	215	212	171	150					6
7	201	192	192	192	158	139	121				7
8	175	171	171	170	147	129	113	98			8
9	156	154	153	153	138	120	106	93	81		9
10	140	139	139	138	130	112	100	88	76		10
12	115	115	116	114	111	98	88	80	69		12
14	97	97	98	96	97	87	79	72	62		14
16			84	84	83	78	71	64	56		16
18			73	73	72	70	63	58	52		18
20			64	64	63	62	57	53	47		20
22				56	55	55	53	48.5	42.5		22
24				50	50	49.5	48.5	44	38.5		24
26					46	44	43.5	41	35.5		26
28					41.5	40	40.5	38	33		28
30					38	36	37	35.5	30.5		30
32						32.5	33.5	32.5	27.9		32
34						30	30.5	29.5	26.3		34
36							28.1	27	24.7		36
38							25.9	24.8	23.3		38
40							24	22.8	21.9		40
42								21	20.6		42
44									19.4		44
46									18		46
48										16.7	48
I	0			46/0/0	46/0	92/46/0	92/46	92/46	92	100	I
II	0			0/46/0	46/46	46/46/46	46/92	92/92	92	100	II
III	0			0/0/46	0/46	0/46/92	46/46	46/92	92	100	III

TAB 216003/216005





16.1 m - 50 m



10 m x 9.6 m



360°



90 t



m	16.1 m	21.3 m	26.5 m	31.7 m	36.9 m	42.1 m	47.3 m	50 m	m
3	274								3
3.5	274	274							3.5
4	274	274	247						4
4.5	259	258	238						4.5
5	242	241	231	187					5
6	213	211	212	171	150				6
7	188	187	187	158	139	121			7
8	166	166	166	147	129	113	98		8
9	149	149	148	138	120	106	93	81	9
10	134	135	133	130	112	100	88	76	10
12	110	111	109	110	98	88	80	69	12
14	92	93	93	92	87	79	72	62	14
16		79	79	78	77	71	64	56	16
18		68	68	67	67	63	58	52	18
20		60	59	58	59	57	53	47	20
22			53	53	51	50	48.5	42.5	22
24			47	47.5	45.5	46.5	44	38.5	24
26				42	40.5	41.5	40.5	35.5	26
28				37.5	36	37	36	33	28
30				34	33.5	33	32	30.5	30
32					30.5	29.8	29	27.9	32
34					27.6	27.1	26.2	26.3	34
36						24.7	23.8	23.8	36
38						22.6	21.6	21.7	38
40						20.8	19.8	19.8	40
42							18.1	18.1	42
44							16.6	16.6	44
46							15.3	15.2	46
48								13.9	48
%	I	0	46/0/0	46/0/0	92/46/0	92/46/0	92/46	92	I
	II	0	0/46/0	46/46/0	46/46/46	46/92/92	92/92	92	II
	III	0	0/0/46	0/46/92	0/46/92	46/46/92	46/92	92	III

TAB 221363



16.1 m - 50 m



10 m x 9.6 m



360°



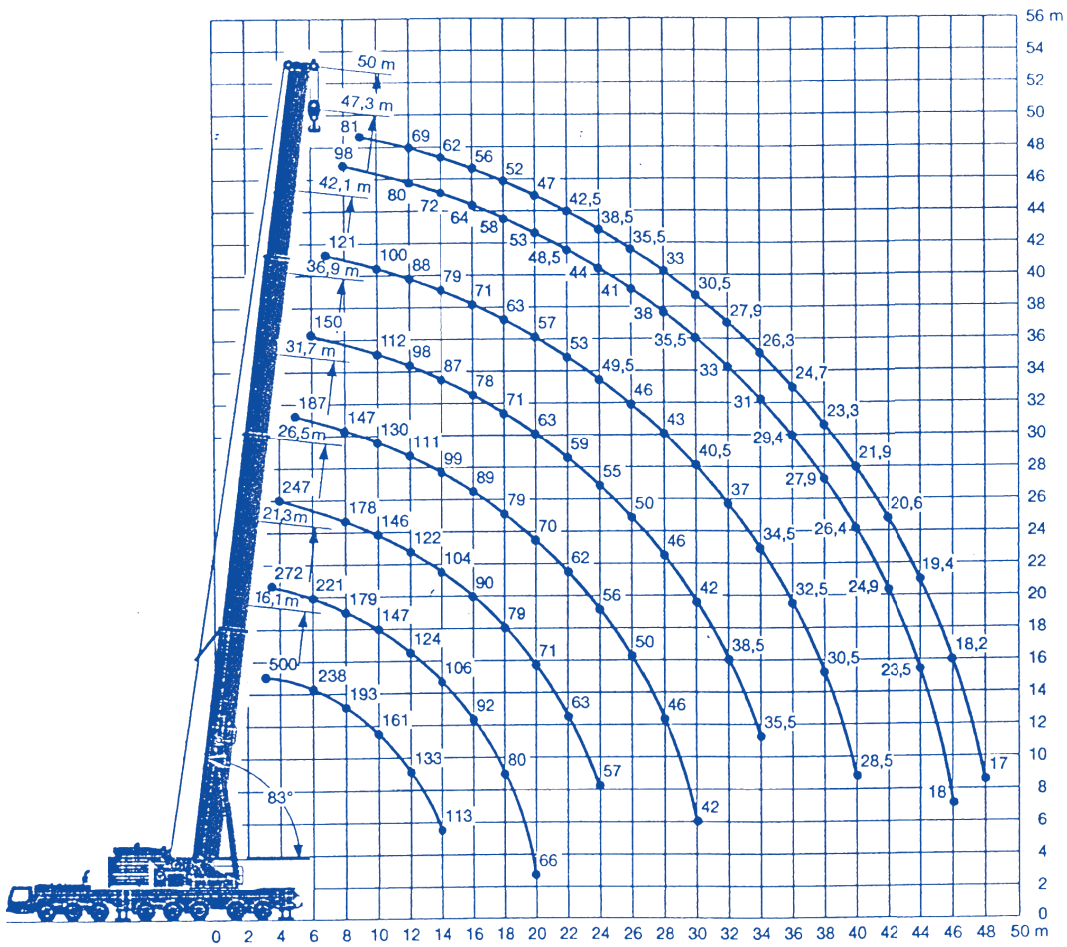
75 t



m	16.1 m	21.3 m	26.5 m	31.7 m	36.9 m	42.1 m	47.3 m	50 m	m
3	274								3
3.5	274	274							3.5
4	274	273	247						4
4.5	255	254	238						4.5
5	239	237	231	187					5
6	208	208	207	171	150				6
7	182	182	181	158	139	121			7
8	162	162	161	147	129	113	98		8
9	144	145	143	138	120	106	93	81	9
10	128	130	127	129	112	100	88	76	10
12	104	105	105	104	98	88	80	69	12
14	86	87	87	86	85	79	72	62	14
16		74	74	73	73	71	64	56	16
18		63	64	62	62	61	58	52	18
20		54	55	55	54	53	52	47	20
22			47	47.5	46	47	46	42.5	22
24			41	41.5	41.5	41	40	38.5	24
26				36.5	36.5	36	35	35.5	26
28				32.5	32.5	32	31	31	28
30				29.5	29	28.5	27.7	27.8	30
32					26.1	25.6	24.7	24.8	32
34					23.7	23.1	22.2	22.3	34
36						21	20.1	20.2	36
38						19.1	18.2	18.2	38
40						17.5	16.4	16.4	40
42							14.8	14.8	42
44							13.5	13.4	44
46							12.3	12.2	46
48								11.1	48
%	I	0	46/0/0	46/0/0	92/46/0	92/46/0	92/46	92	I
	II	0	0/46/0	46/46/0	46/46/46	46/92/92	92/92	92	II
	III	0	0/0/46	0/46/92	0/46/92	46/46/92	46/92	92	III

TAB 221364

WORKING RADIUS - LIFTING HEIGHT



LIFTING HEIGHT (m)

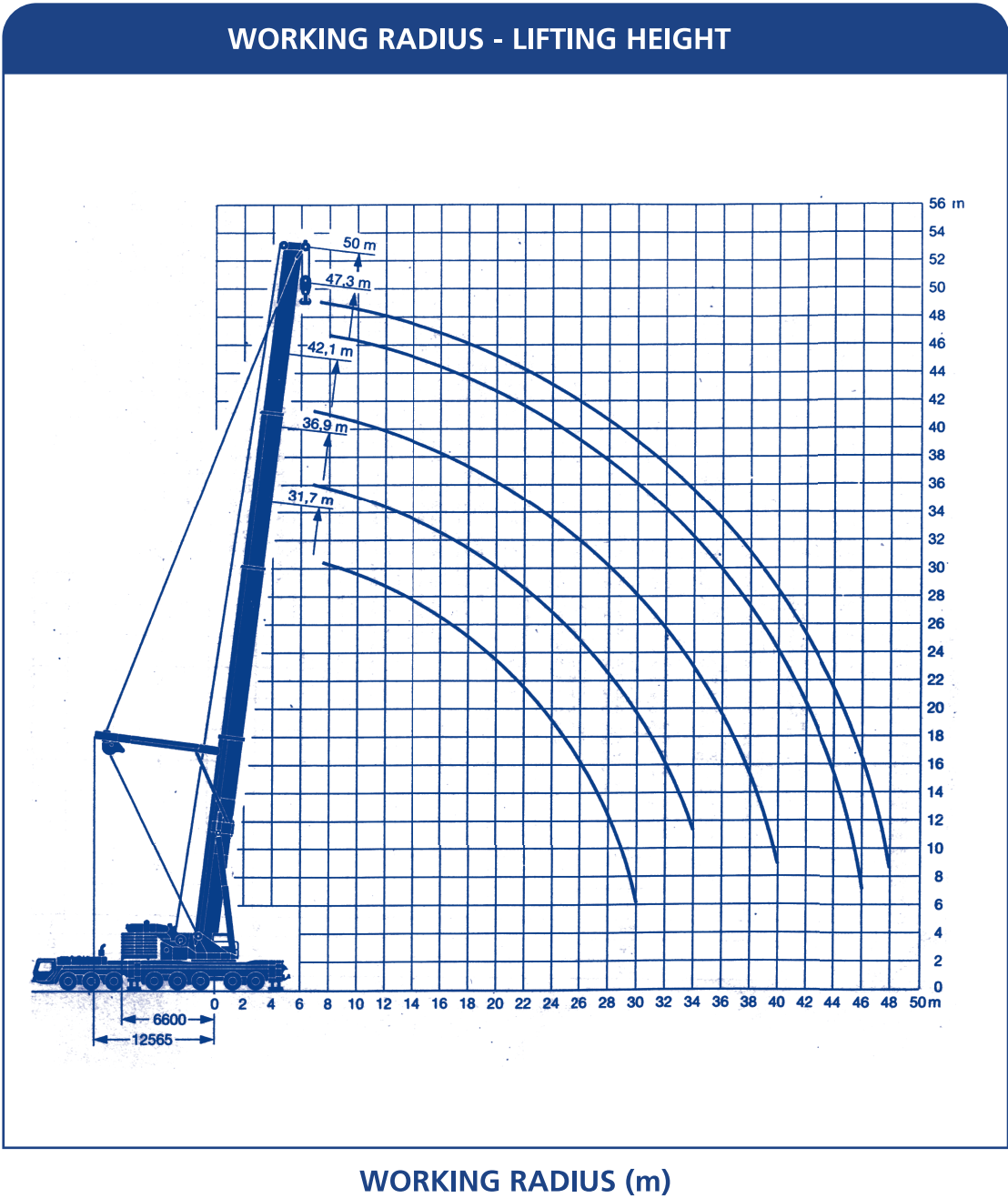
WORKING RADIUS (m)

 31.7 m - 50 m		 10 m x 9.6 m		 360°		 165 t		 DIN ISO	
 m	31.7 m	36.9 m	42.1 m	47.3 m	50 m	 m			
8		165				8			
9	162	153	143	133	114	9			
10	149	142	133	125	114	10			
12	129	123	116	111	108	12			
14	111	108	105	99	97	14			
16	97	97	93	90	88	16			
18	85	86	84	83	81	18			
20	75	76	75	75	74	20			
22	67	68	66	67	68	22			
24	60	61	59	60	61	24			
26	54	55	53	55	55	26			
28	45.5	50	48.5	49.5	50	28			
30	36.5	46	44	45	45.5	30			
32		42	40	41	41.5	32			
34		34.5	36.5	37.5	38	34			
36			33.5	34.5	35	36			
38			28.6	32	32	38			
40			23	29.3	29.6	40			
42				27.1	27.4	42			
44				24.1	25.4	44			
46				15	23.5	46			
48					17.7	48			
 %	I	46/0	92/92/0	92	92	100	I	 %	
	II	46/92	92/46/92	92	92	100	II		
	III	46/46	0/46/92	46	92	100	III		

TAB 221394

 31.7 m - 50 m		 10 m x 9.6 m		 360°		 135 t		 DIN ISO	
 m	31.7 m	36.9 m	42.1 m	47.3 m	50 m	 m			
5	189					5			
6	183	192				6			
7	178	180	166			7			
8	174	165	154	141	115	8			
9	162	153	143	133	114	9			
10	148	142	133	125	114	10			
12	124	123	116	111	108	12			
14	106	107	104	99	97	14			
16	91	92	90	89	88	16			
18	79	80	78	79	78	18			
20	70	71	69	70	70	20			
22	61	63	61	62	62	22			
24	55	56	54	55	56	24			
26	49	50	48.5	49.5	50	26			
28	44	45.5	43.5	44.5	45	28			
30	36.5	41	39	40.5	40.5	30			
32		37.5	35.5	36.5	37	32			
34		34	32	33.5	33.5	34			
36			29.3	30.5	31	36			
38			26.8	27.9	28.2	38			
40			23	25.6	25.9	40			
42				23.5	23.8	42			
44				21.7	21.9	44			
46				15	20.2	46			
48					17.7	48			
 %	I	46/0	92/92/0	92	92	100	I	 %	
	II	46/92	92/46/92	92	92	100	II		
	III	46/46	0/46/92	46	92	100	III		

TAB 221395





16.1 m - 50 m


 0°
14 m - 63 m


10 m x 9.6 m



360°



135 t



 m	16.1 m + 2.2 m									47.3 m + 2.2 m									50 m + 2.2 m	 m	
	14 m	21 m	28 m	35 m	42 m	49 m	56 m	63 m		14 m	21 m	28 m	35 m	42 m	49 m	56 m	63 m	63 m			
4.5	88																		4.5		
5	84																		5		
6	78	68																	6		
7	72	63	51																7		
8	66	59	47.5	39															8		
9	61	55	44.5	37	31														9		
10	56	51	42	34.5	29.5	24.5													10		
12	43.5	43.5	37.5	31	26.6	22.2	18.6			51	43								12		
14	38	39	33	27.7	24	20.1	17	14.9		47	40	31							14		
16	33	35	28.3	24.5	21.6	18.3	15.7	13.7		43.5	37.5	29.4	23.2						16		
18	28.9	31.5	25.9	22.4	19.4	16.6	14.4	12.6		40.5	35	27.7	22.1	18.2	14.6				18		
20	25	27.7	23.7	20.5	17.9	15.1	13.2	11.5		37.5	32.5	26.3	21	17.4	13.9	11.1	9.5		20		
22	22.9	24.2	21.8	18.8	16.5	14	12.1	10.6		35	30.5	25	19.9	16.4	13.2	10.6	9	8.7	22		
24	20.9	22.3	20	17.2	15.2	12.8	11	9.7		33	28.6	23.8	18.9	15.6	12.5	10.1	8.6	8.3	24		
26	19.2	20.6	18.4	15.8	14	11.8	9.7	8.9		30.5	26.8	22.7	18	14.9	11.9	9.5	8.1	7.9	26		
28	17.5	19.1	16.8	14.5	12.8	10.8	8.9	8.2		28.3	25.2	21.6	17.2	14.2	11.3	9	7.7	7.5	28		
30	15.9	17.7	14.9	13.2	11.8	10	8.2	7.6		26.6	23.7	20.7	16.4	13.6	10.7	8.5	7.2	7.1	30		
32		16.3	13.9	12	10.8	9.1	7.6	7		25.1	22.3	19.8	15.7	13	10.2	8.1	6.9	6.7	32		
34		15.1	13	11.3	9.9	8.3	7	6.4		23.6	21	18.9	15	12.4	9.7	7.7	6.5	6.4	34		
36		13.9	12.1	10.6	9	7.6	6.5	5.9		22.3	19.8	17.8	14.3	11.8	9.3	7.3	6.2	6.1	36		
38		12.7	11.3	9.9	8.5	6.9	5.9	5.3		20.9	18.6	16.8	13.7	11.2	8.8	6.8	5.8	5.7	38		
40			10.5	9.2	8	6.2	5.4	4.9		19.5	17.5	15.8	13.1	10.7	8.4	6.3	5.4	5.3	40		
42			9.8	8.6	7.6	5.9	5	4.4		18.2	16.4	14.8	12.5	10.2	7.9	6	5	4.9	42		
44			9.1	8	7.1	5.6	4.5	3.9		16.9	15.4	13.9	11.9	9.8	7.5	5.7	4.6	4.5	44		
46				7.5	6.7	5.3	4.1	3.5		16	14.8	13	11.4	9.3	7.1	5.4	4.3	4.3	46		
48				6.9	6.2	5	3.6	3.1		15.2	14.1	12.4	10.9	8.9	6.7	5.2	4.1	4	48		
50				6.4	5.8	4.7	3.4	2.9		14.4	13.4	11.9	10.4	8.5	6.4	4.9	3.9	3.7	50		
52				5.9	5.4	4.4	3.2	2.7		13.7	12.7	11.4	10	8.1	6	4.7	3.7	3.4	52		
54					5	4.1	3	2.6		13	12.1	10.9	9.6	7.7	5.7	4.4	3.5	3.1	54		
56					4.6	3.8	2.8	2.4		12.3	11.4	10.4	9.1	7.4	5.3	4.2	3.4	2.9	56		
58					4.2	3.5	2.6	2.3		11.7	10.8	9.9	8.7	7.2	5.2	4	3.2	2.6	58		
60						3.3	2.4	2.1		11	10.2	9.4	8.3	7	5	3.8	3	2.4	60		
62						3	2.2	2			9.7	8.9	8	6.8	4.9	3.6	2.9	2.1	62		
64						2.8	2				9.1	8.4	7.6	6.5	4.7	3.4	2.7	1.9	64		
66						2.5	1.8				8.6	7.9	7.3	6.3	4.6	3.2	2.5		66		
68							1.7				8	7.4	6.9	6.1	4.5	3	2.4		68		
70												6.9	6.5	5.8	4.3	2.9	2.3		70		
72												6.5	6.1	5.6	4.1	2.8	2.1		72		
74												6	5.7	5.3	4	2.7	2		74		
76													5.4	5.1	3.8	2.5	1.9		76		
78													5	4.8	3.7	2.4	1.8		78		
80													4.6	4.5	3.5	2.3	1.7		80		
82															4.2	3.4	2.2	1.6	82		
84															3.9	3.3	2	1.5	84		
86															3.6	3.1	1.9		86		
88															3.3	2.8	1.8		88		
90																2.6	1.7		90		
92																2.3	1.6		92		
94																2.1	1.4		94		
96																	1.2		96		
 %	I	0									92									100	I
	II	0									92									100	II
	III	0									92									100	III

TAB 221187.1/2



16.1 m - 50 m



20°
14 m - 63 m



10 m x 9.6 m



360°



135 t



DIN
ISO

	16.1 m + 2.2 m								47.3 m + 2.2 m								50 m+ 2.2 m	
	14 m	21 m	28 m	35 m	42 m	49 m	56 m	63 m	14 m	21 m	28 m	35 m	42 m	49 m	56 m	63 m	63 m	
10	32.5																	10
12	28.9																	12
14	26.1	27.4																14
16	23.8	24.8	21.4						28.7									16
18	21.7	22.7	19.7						27.2									18
20	19.9	20.8	18.3	15.4					25.8	23.9								20
22	18.7	19.1	17.1	14.3					24.6	22.7								22
24	17.7	17.9	16.1	13.2	11.5				23.6	21.6	17.7							24
26	16.8	16.9	15.1	12.3	10.6				22.6	20.7	17	13.2						26
28	15.9	16	14	11.6	9.9	8.1			21.6	19.9	16.3	12.6						28
30	15.1	15.1	12.9	10.9	9.2	7.4	6.1		20.7	19.1	15.7	12.1	10					30
32		14.3	12.2	10.2	8.6	6.9	5.5		19.9	18.4	15.2	11.6	9.5					32
34		13.5	11.5	9.6	8.1	6.4	5	4.4	19.3	17.7	14.7	11.1	9.1	6.9				34
36		12.7	10.9	9.1	7.5	5.9	4.7	4	18.7	17.1	14.2	10.7	8.7	6.5				36
38			10.4	8.5	7.2	5.5	4.4	3.7	18.2	16.5	13.7	10.4	8.4	6.2	4.7			38
40			9.8	8.1	6.9	5.1	4.1	3.5	17.7	15.9	13.3	10	8	5.9	4.5			40
42			9.3	7.6	6.6	4.9	3.8	3.2	17.2	15.4	12.9	9.7	7.7	5.7	4.3	3.2	3.2	42
44			8.8	7.2	6.3	4.6	3.5	3	16.7	15.1	12.4	9.4	7.5	5.4	4	3.1	3	44
46				6.8	5.9	4.4	3.3	2.7	16.2	14.7	12	9.1	7.2	5.2	3.8	2.9	2.9	46
48				6.4	5.6	4.2	3.1	2.5	15.5	14.1	11.6	8.8	6.9	5	3.7	2.7	2.7	48
50				6	5.3	4	2.9	2.4	14.7	13.5	11.3	8.5	6.7	4.9	3.5	2.6	2.6	50
52					5	3.8	2.8	2.2	13.9	12.9	10.9	8.2	6.5	4.7	3.4	2.5	2.4	52
54					4.7	3.6	2.6		13.2	12.4	10.6	7.9	6.2	4.5	3.2	2.3	2.3	54
56					4.4	3.4	2.5		12.5	11.8	10.1	7.7	6	4.3	3.1	2.2	2.2	56
58					4.1	3.2	2.3			11.1	9.5	7.4	5.9	4.2	3	2.1	2.1	58
60						2.9	2.2			10.5	9.2	7.2	5.7	4	2.9	2	2	60
62						2.7	2			9.9	8.8	7	5.6	3.9	2.8	1.9	1.9	62
64						2.6				9.3	8.4	6.7	5.4	3.8	2.6	1.8	1.8	64
66											8	6.6	5.2	3.7	2.5		1.7	66
68											7.5	6.6	5	3.6	2.4			68
70											7.1	6.3	4.9	3.5	2.3			70
72												6	4.7	3.4	2.3			72
74												5.8	4.6	3.2	2.2			74
76												5.4	4.6	3.1	2.1			76
78												5	4.5	3	2			78
80													4.4	2.9	1.9			80
82													4.2	2.9	1.8			82
84													3.9	2.8	1.7			84
86														2.8	1.6			86
88														2.7	1.5			88
90														2.6	1.5			90
92														2.4	1.5			92
94															1.4			94
96															1.4			96
98															1.4			98
I	0								92								100	I
II	0								92								100	II
III	0								92								100	III

TAB 221195.1/2





16.1 m - 50 m


 40°
14 m - 56 m


10 m x 9.6 m



360°



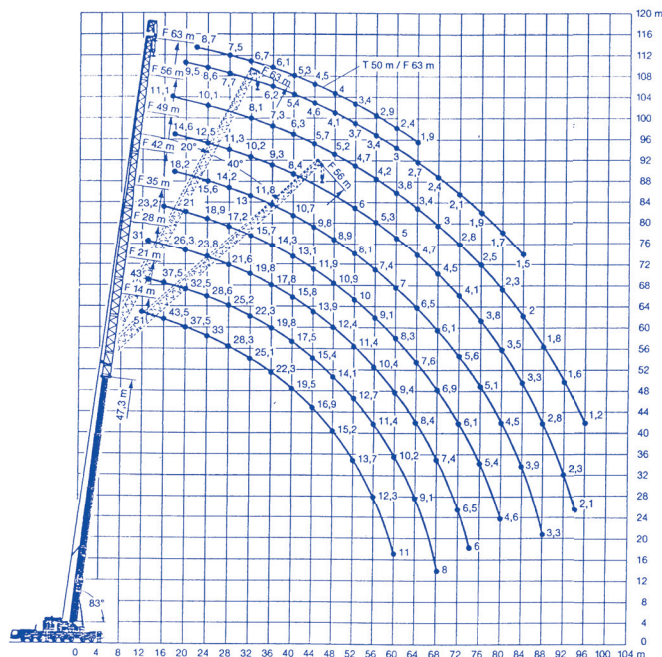
135 t


 DIN
ISO

m	16.1 m + 2.2 m							47.3 m + 2.2 m							50 m + 2.2 m	m
	14 m	21 m	28 m	35 m	42 m	49 m	56 m	14 m	21 m	28 m	35 m	42 m	49 m	56 m	56 m	
14	20															14
16	18.8															16
18	17.7															18
20	16.7	16.7						19.5								20
22	16.3	15.7						18.9								22
24	15.8	15.2	13.4					18.4	16.5							24
26	15.4	14.8	12.8					17.9	16							26
28		14.4	12					17.4	15.5							28
30		14.1	11.5	9.2				17	15.2	12.5						30
32		13.7	11	8.7				16.7	14.8	12.2						32
34		13.4	10.5	8.4				16.4	14.5	11.9						34
36			10.1	8	6.4			16.1	14.1	11.6	8.7					36
38			9.7	7.7	6.2			15.9	13.8	11.3	8.5					38
40			9.3	7.3	6	4.3		15.7	13.6	11	8.2					40
42				7	5.8	4.1		15.5	13.4	10.7	8.1	5.9				42
44				6.6	5.6	3.9		15.3	13.2	10.4	7.9	5.8				44
46				6.3	5.3	3.8	2.8	15.3	13.1	10.2	7.8	5.6				46
48				6	5.1	3.7	2.6		12.9	10	7.6	5.5	3.8			48
50					4.9	3.5	2.4		12.8	9.8	7.5	5.4	3.7			50
52					4.6	3.4	2.3		12.6	9.6	7.3	5.2	3.6			52
54					4.4	3.2	2.2		12.2	9.6	7.1	5.1	3.6	2.4	2.4	54
56						3.1	2			9.6	6.9	5	3.5	2.3	2.3	56
58						2.9				9.6	6.8	4.9	3.4	2.2	2.2	58
60						2.8				9.4	6.6	4.8	3.3	2.2	2.1	60
62						2.7					6.5	4.7	3.2	2.1	2.1	62
64											6.4	4.6	3.1	2	2	64
66											6.4	4.5	3	2	1.9	66
68											6.4	4.5	3	1.9	1.9	68
70												4.4	2.9	1.8	1.8	70
72												4.3	2.9	1.8	1.7	72
74												4.3	2.8	1.7	1.7	74
76													2.7	1.6	1.6	76
78													2.7	1.5		78
80													2.6	1.5		80
82													2.6	1.5		82
84														1.4		84
86														1.4		86
I	0							92							100	I
II	0							92							100	II
III	0							92							100	III

TAB 221203.1/2

WORKING RADIUS - LIFTING HEIGHT



LIFTING HEIGHT (m)

WORKING RADIUS (m)



47.3 m

0°
14 m - 63 m

10 m x 9.6 m



360°



165 t

DIN
ISO

	47.3 m + 2.2 m								
	14 m	21 m	28 m	35 m	42 m	49 m	56 m	63 m	
10	67								10
12	62	51							12
14	58	48	36.5	28.9					14
16	55	45	34	27	22.2				16
18	51	42.5	32	25.4	20.8	16.7			18
20	48.5	40	30	23.9	19.6	15.7	12.8	10.8	20
22	46	38	28.5	22.6	18.6	14.8	12	10.2	22
24	43.5	36	27	21.5	17.6	14	11.4	9.6	24
26	41	34	25.7	20.4	16.7	13.3	10.8	9.1	26
28	39	32.5	24.4	19.4	15.9	12.7	10.2	8.6	28
30	37	31	23.3	18.4	15.1	12	9.7	8.2	30
32	35.5	29.7	22.3	17.6	14.4	11.5	9.2	7.8	32
34	34	28.3	21.3	16.8	13.8	10.9	8.7	7.4	34
36	32.5	27.1	20.5	16.1	13.2	10.4	8.3	7	36
38	30.5	25.9	19.6	15.5	12.6	9.9	7.9	6.7	38
40	28.6	24.8	18.7	14.9	12.1	9.5	7.5	6.3	40
42	26.9	23.7	17.9	14.2	11.7	9.1	7.1	6	42
44	24.9	22.8	17.1	13.6	11.2	8.7	6.8	5.7	44
46	23	22.1	16.3	13	10.8	8.4	6.5	5.4	46
48	21.3	21.3	15.7	12.4	10.3	8	6.2	5.2	48
50	19.8	20.2	15.1	11.8	9.8	7.7	6	4.9	50
52	18.3	19	14.7	11.3	9.4	7.4	5.7	4.7	52
54	17	17.7	14.2	11	9	7	5.5	4.5	54
56	15.8	16.4	13.8	10.6	8.6	6.7	5.2	4.3	56
58	13.4	15.3	13.3	10.3	8.2	6.3	5	4.1	58
60	10.6	14.2	12.9	9.9	7.9	6	4.8	3.9	60
62	6.1	13.2	12.5	9.6	7.7	5.7	4.5	3.7	62
64		11.5	12.1	9.2	7.4	5.5	4.2	3.4	64
66		9.2	11.7	8.9	7.1	5.3	4	3.2	66
68		6.9	11.2	8.6	6.8	5	3.8	3	68
70			9.9	8.3	6.6	4.9	3.6	2.9	70
72			8	8	6.3	4.7	3.4	2.7	72
74			6.1	7.9	6.1	4.5	3.3	2.5	74
76				7.7	5.8	4.3	3.2	2.4	76
78				6.9	5.6	4.1	3	2.3	78
80				5.4	5.5	4	2.9	2.1	80
82					5.4	3.8	2.7	2	82
84					5.2	3.7	2.6	1.9	84
86					4.7	3.6	2.5	1.7	86
88					3.4	3.5	2.4	1.6	88
90						3.4	2.2	1.5	90
92						3.2	2.2	1.4	92
94						2.5	2.1	1.3	94
96							2		96
98							2		98
I	92								I
II	92								II
III	92								III

TAB 221289



47.3 m



20°

14 m - 63 m



10 m x 9.6 m



360°



165 t



DIN

ISO

 m	47.3 m + 2.2 m								 m	
	14 m	21 m	28 m	35 m	42 m	49 m	56 m	63 m		
16	36.5								16	
18	35	29							18	
20	33.5	27.8							20	
22	32	26.7	20.1						22	
24	31	25.6	19.3						24	
26	30	24.7	18.5	14.5					26	
28	29.1	23.8	17.8	13.9					28	
30	28.3	23.1	17.1	13.3	11				30	
32	27.5	22.3	16.5	12.8	10.5				32	
34	26.8	21.7	15.9	12.3	10.1				34	
36	26.1	21.1	15.4	11.8	9.7	7.6			36	
38	25.5	20.5	14.9	11.4	9.3	7.2			38	
40	24.9	20	14.5	11	8.9	6.9	5.4		40	
42	24.4	19.5	14.1	10.7	8.6	6.6	5.1		42	
44	24	19	13.7	10.3	8.3	6.3	4.9	3.8	44	
46	23.7	18.6	13.3	10	8	6	4.6	3.6	46	
48	22.2	18.2	13	9.7	7.7	5.8	4.4	3.4	48	
50	20.6	17.9	12.7	9.4	7.4	5.5	4.2	3.3	50	
52	19	17.7	12.3	9.1	7.2	5.3	4	3.1	52	
54	17.6	17.4	12	8.9	7	5.1	3.9	2.9	54	
56	16.3	17.2	11.8	8.6	6.7	4.9	3.7	2.7	56	
58		16.2	11.6	8.4	6.5	4.7	3.5	2.6	58	
60		15	11.4	8.2	6.3	4.6	3.4	2.4	60	
62		13.9	11.2	8	6.1	4.4	3.3	2.3	62	
64		12.8	11	7.8	5.9	4.3	3.1	2.2	64	
66			10.9	7.7	5.8	4.2	3	2.1	66	
68			10.8	7.5	5.6	4	2.9	1.9	68	
70			10.8	7.4	5.5	3.9	2.8	1.8	70	
72				7.3	5.4	3.8	2.7	1.7	72	
74				7.2	5.3	3.7	2.6	1.6	74	
76				7.1	5.2	3.6	2.5		76	
78				7.1	5.1	3.5	2.4		78	
80					5	3.4	2.3		80	
82					4.9	3.4	2.2		82	
84					4.9	3.3	2.2		84	
86						3.2	2.1		86	
88						3.2	2		88	
90						3.1	2		90	
92						3.1	1.9		92	
94							1.9		94	
96							1.8		96	
98							1.8		98	
 %	I	92								I
	II	92								II
	III	92								III

TAB 221296



47.3 m



40°

14 m - 56 m



10 m x 9.6 m



360°



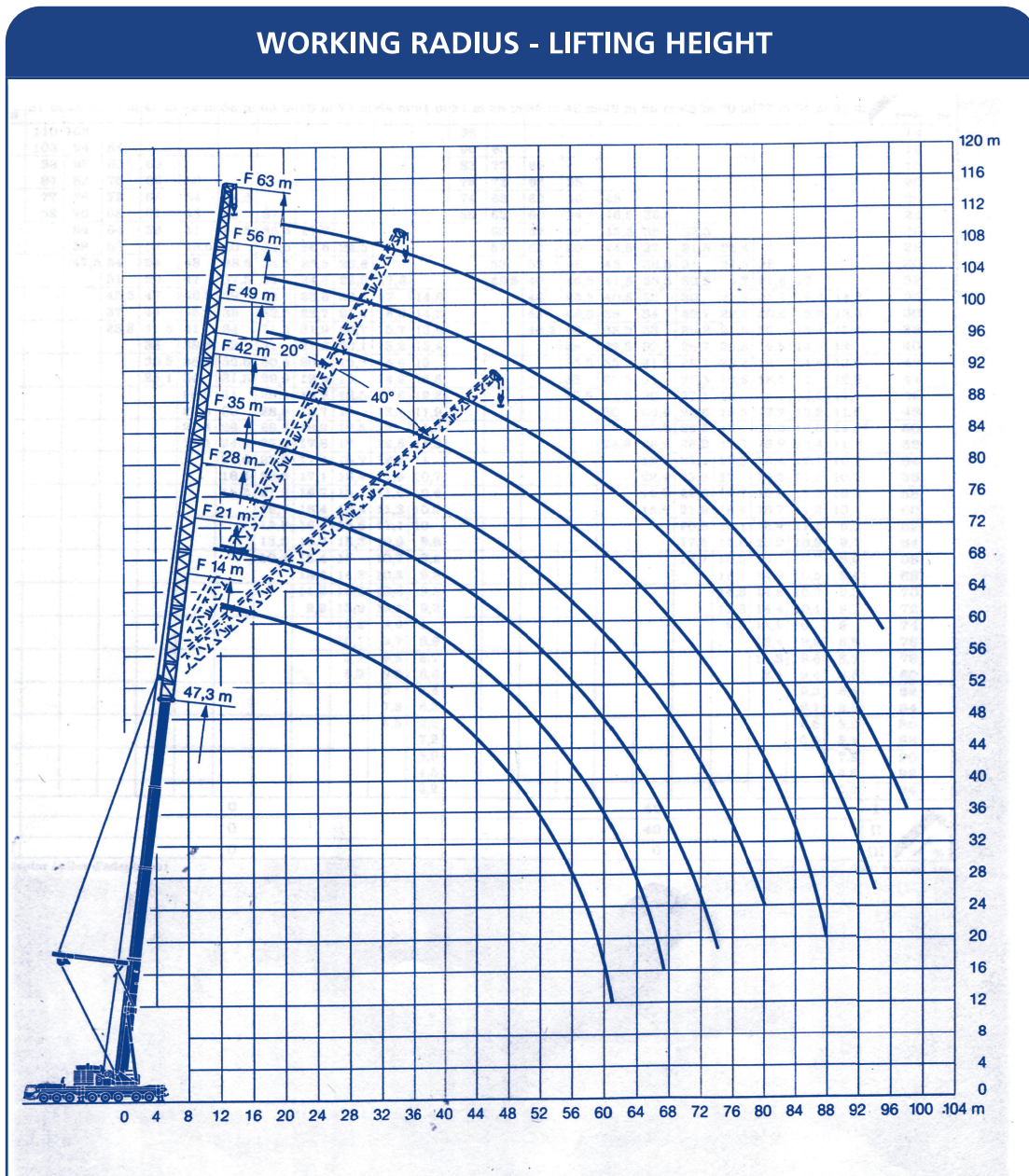
165 t

DIN
ISO

m	47.3 m + 2.2 m							m
	14 m	21 m	28 m	35 m	42 m	49 m	56 m	
18	27							18
20	26.3							20
22	25.8							22
24	25.3	20.2						24
26	24.8	19.7						26
28	24.4	19.3						28
30	24	18.9	13.4					30
32	23.6	18.5	13.1					32
34	23.4	18.2	12.8					34
36	23.2	17.9	12.5	9.2				36
38	23	17.6	12.2	9				38
40	22.8	17.4	11.9	8.8				40
42	22.6	17.2	11.7	8.5	6.4			42
44	22.5	17	11.5	8.3	6.2			44
46	22.5	16.8	11.3	8.1	6.1			46
48		16.7	11.2	8	5.9	4.2		48
50		16.5	11	7.8	5.7	4.1		50
52		16.5	10.9	7.7	5.6	4		52
54		16.5	10.8	7.5	5.5	3.9	2.7	54
56			10.7	7.4	5.3	3.8	2.6	56
58			10.6	7.4	5.2	3.7	2.5	58
60			10.6	7.3	5.2	3.6	2.4	60
62				7.2	5.1	3.5	2.4	62
64				7.1	5	3.4	2.3	64
66				7.1	5	3.4	2.2	66
68				7.1	4.9	3.3	2.1	68
70					4.8	3.3	2.1	70
72					4.8	3.2	2	72
74					4.8	3.2	2	74
76						3.1	1.9	76
78						3.1	1.9	78
80						3.1	1.9	80
82						3.1	1.8	82
84							1.8	84
86							1.8	86
88							1.8	88
% I II III	92							I
	92							II
	92							III

TAB 221303





WORKING RADIUS (m)

LIFTING HEIGHT (m)



83°

16.1 m - 26.5 m



21 m - 91 m



10 m x 9.6 m



360°



135 t

DIN
ISO

	16.1 m + 4 m												26.5 m + 4 m												
	21 m	28 m	35 m	42 m	49 m	56 m	63 m	70 m	77 m	84 m	91 m	21 m	28 m	35 m	42 m	49 m	56 m	63 m	70 m	77 m	84 m	91 m			
14	110	102										98											14		
16	103	94	84									90	83										16		
18	93	88	80	69								83	77	69									18		
20	84	82	75	66	56							79	72	66	58								20		
22	77	76	72	63	54	44.5						74	68	63	56	48							22		
24	58	70	68	61	53	43	37					68	65	60	54	46.5	38.5						24		
26		64	64	59	51	41.5	36.5	27.7					62	57	52	45.5	38	32.5					26		
28		59	59	57	49.5	40	35.5	26.6	24.5				57	55	50	44.5	37	31.5	25.4				28		
30		47.5	54	54	48	38.5	34.5	25.5	23.6				53	53	48	43	36.5	31	24.5	22			30		
32			51	50	47	37.5	34	24.5	22.8	17.6			48.5	49	46.5	41.5	35.5	30.5	23.7	21.6	17		32		
34			45.5	47	46.5	36	33	23.6	22.1	17	14.8			46	45.5	40.5	35	30	22.9	21.1	16.4	14.2	34		
36			37	44	43.5	35	32.5	22.7	21.4	16.3	14.3			43	42.5	39	34	29.7	22.2	20.6	15.9	13.8	36		
38			28.8	41.5	41	34	31.5	21.9	20.7	15.7	13.8			40.5	40	38.5	33	29.2	21.5	20	15.4	13.4	38		
40				36	38.5	33	31	21.2	20.1	15.2	13.4				38	37.5	32.5	28.7	20.8	19.5	14.9	13	40		
42				30.5	36.5	32.5	30.5	20.5	19.5	14.6	13				35.5	35	31.5	28.1	20.2	19	14.4	12.6	42		
44				25.1	34	31.5	29.9	19.9	19	14.2	12.5				32	33.5	31	27.5	19.6	18.5	14	12.2	44		
46					29.9	31	29.4	19.2	18.5	13.8	12.2				25.6	31.5	30	27.1	19	18.1	13.6	11.9	46		
48					25.6	30	28.9	18.7	18	13.4	11.9					30	29.4	26.8	18.5	17.7	13.2	11.6	48		
50					21.4	28	28.4	18.2	17.5	13	11.6					28.1	27.9	26.5	18	17.2	12.8	11.3	50		
52					17.4	24.9	27.5	17.8	17	12.6	11.3					23.6	26.6	26.2	17.7	16.8	12.4	11	52		
54						21.6	25.8	17.4	16.7	12.2	11						25.3	25.1	17.3	16.4	12.1	10.7	54		
56						18.4	23.5	17.1	16.4	11.9	10.7						22.4	23.9	17	16.2	11.8	10.5	56		
58							15.3	21.3	16.7	16.1	11.6	10.4					18.9	22.9	16.7	15.9	11.5	10.3	58		
60								18.7	16.4	15.8	11.3	10.2					15.6	21.9	16.4	15.7	11.3	10.1	60		
62								15.9	16	15.6	11.1	10						20.5	16.1	15.4	11.1	9.9	62		
64								13.2	15.7	15.3	10.9	9.8						17.5	15.8	15.2	10.9	9.7	64		
66								10.6	15.4	15	10.7	9.6						14.7	15.5	15	10.7	9.6	66		
68									13.4	14.8	10.5	9.5							15.2	14.8	10.5	9.4	68		
70									11.3	14.6	10.3	9.3							14.8	14.6	10.3	9.3	70		
72									9.2	13.9	10.1	9.2							12.3	14.4	10.1	9.1	72		
74										12.2	9.9	9							9.6	14.2	10	9	74		
76										10.1	9.7	8.9								13.4	9.8	8.9	76		
78										8.1	9.5	8.7								11.8	9.6	8.7	78		
80										6.2	9.3	8.6								9.5	9.4	8.6	80		
82											9	8.4										9.3	8.4	82	
84											7.2	8.3										9.1	8.3	84	
86											5.5	8.2										8.5	8.2	86	
88												7.2										6.4	8.1	88	
90												5.9											7.9	90	
92												4.5											6.8	92	
94												3.2											5.3	94	
	I	0											46											I	
II	0											46											II		
III	0											0											III		

TAB 221001.1/2





83°

36.9 m - 42.1 m



21 m - 91 m



10 m x 9.6 m



360°



135 t



m	36.9 m + 4 m												42.1 m + 4 m												m
	21 m	28 m	35 m	42 m	49 m	56 m	63 m	70 m	77 m	84 m	91 m	21 m	28 m	35 m	42 m	49 m	56 m	63 m	70 m	77 m	84 m	91 m			
16	70											59												16	
18	64	59										54	49.5											18	
20	59	56	50									51	46.5	42										20	
22	55	52	47.5	42								47.5	44	40	35.5									22	
24	52	49	46	40.5	35.5							45	41.5	38	34	29.9								24	
26	51	46	44	39	34.5	29.7						42.5	39.5	36.5	32.5	28.8	25							26	
28		43.5	41.5	38	33.5	28.9	24.8						37.5	35	31.5	27.8	24.2							28	
30		41.5	39.5	37	32.5	28.2	24.2	20.7					36	33.5	30.5	26.9	23.4	20.3						30	
32		41	37.5	35.5	31.5	27.5	23.7	20.3	17.5				34	32	29.4	26.1	22.8	19.7	16.9	14.5				32	
34			35.5	34	31	26.9	23.2	19.9	17.2	14.8			34	31	28.4	25.3	22.1	19.1	16.4	14.2	12.3			34	
36			34.5	32.5	30	26.3	22.7	19.5	16.9	14.5	12			29.5	27.4	24.5	21.5	18.6	16	13.8	12			36	
38			33.5	31	29.1	25.7	22.3	19.1	16.5	14.3	11.9			28.3	26.4	23.8	20.9	18.1	15.6	13.5	11.8	9.6		38	
40			33	29.8	28.1	25.1	21.8	18.8	16.2	14	11.7			28.1	25.5	23	20.4	17.7	15.2	13.2	11.5	9.4		40	
42				29.1	27	24.4	21.4	18.4	16	13.6	11.5				24.6	22.3	19.9	17.2	14.8	12.9	11.3	9.2		42	
44				28.5	26	23.8	21	18.1	15.7	13.3	11.3				23.8	21.6	19.3	16.8	14.5	12.6	11	9		44	
46				27.9	25.1	23.1	20.6	17.8	15.4	12.9	11.1				23.4	20.9	18.8	16.4	14.1	12.3	10.8	8.8		46	
48					24.6	22.4	20.1	17.5	15.2	12.6	10.9				23.2	20.3	18.3	16	13.8	12.1	10.6	8.6		48	
50					24.1	21.7	19.7	17.2	15	12.3	10.7					19.7	17.8	15.6	13.5	11.8	10.4	8.5		50	
52					23.7	21.1	19.3	16.9	14.7	12	10.5					19.4	17.3	15.2	13.2	11.6	10.2	8.3		52	
54					23	20.7	18.8	16.6	14.5	11.7	10.2					19.3	16.9	14.9	12.9	11.4	10	8.2		54	
56						20.3	18.3	16.4	14.4	11.5	10						16.4	14.5	12.6	11.1	9.8	8		56	
58						20	17.9	16.1	14.2	11.3	9.9						16.2	14.2	12.3	10.9	9.6	7.9		58	
60						19.6	17.6	15.7	14	11	9.7						16.1	13.8	12	10.6	9.5	7.7		60	
62							17.2	15.3	13.8	10.8	9.5						16	13.5	11.8	10.4	9.2	7.6		62	
64							16.9	15	13.6	10.6	9.4							13.3	11.5	10.2	9	7.4		64	
66							16.7	14.8	13.4	10.4	9.2							13.2	11.3	10	8.8	7.2		66	
68							16.1	14.5	13.1	10.2	9.1							13.1	11	9.7	8.6	7		68	
70								14.3	12.9	10	8.9								10.9	9.5	8.4	6.9		70	
72								14.1	12.7	9.9	8.8								10.8	9.3	8.3	6.7		72	
74								13.9	12.5	9.7	8.7								10.7	9.1	8.1	6.5		74	
76									12.3	9.6	8.5									9	7.9	6.3		76	
78									12.1	9.5	8.4									9	7.8	6.2		78	
80									11.9	9.3	8.3									8.9	7.6	6		80	
82									10.4	9.2	8.2									8.9	7.5	5.9		82	
84										9.1	8.1										7.4	5.7		84	
86										9	8.1										7.4	5.6		86	
88										8.9	8										7.3	5.5		88	
90											7.9										7.3	5.4		90	
92											7.8											5.3		92	
94											7.8											5.3		94	
96											6.6											5.3		96	
%	I	92											92											I	
	II	92											92											II	
	III	0											46											III	

TAB 221001.3/4

83°
47.3 m

21 m - 91 m



10 m x 9.6 m



360°



135 t

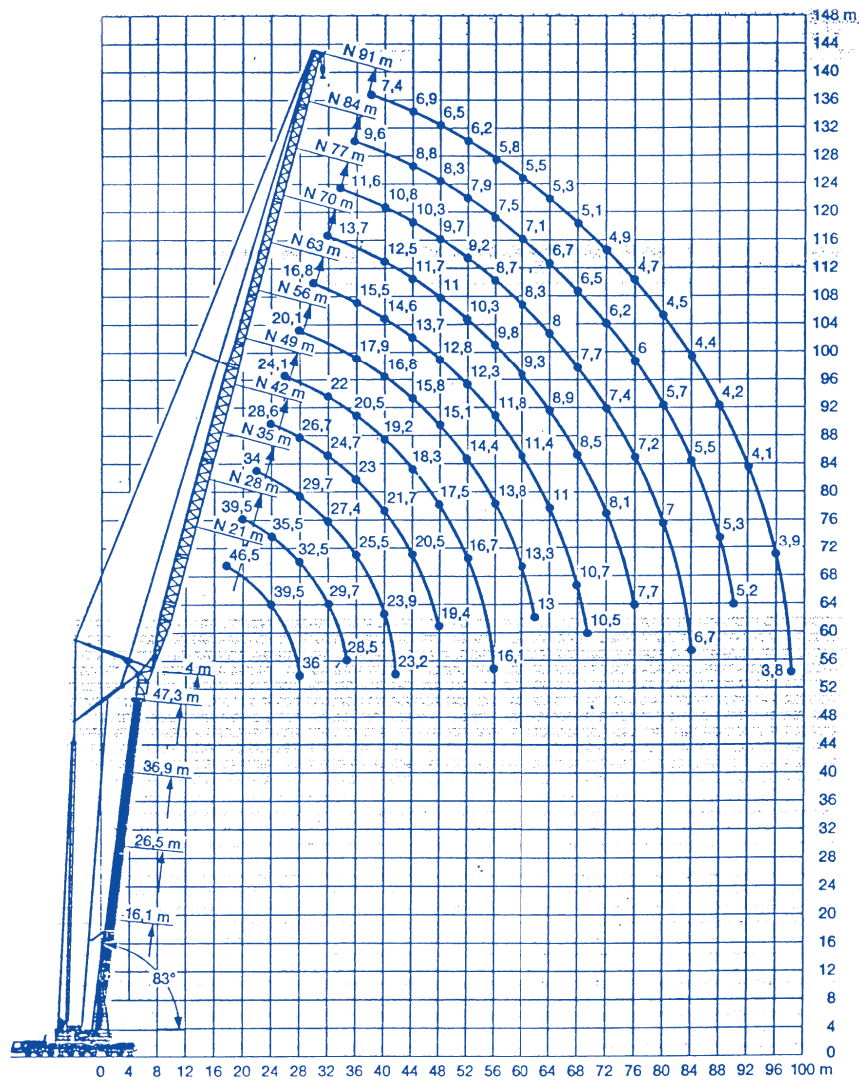


m	47.3 m + 4 m											m
	21 m	28 m	35 m	42 m	49 m	56 m	63 m	70 m	77 m	84 m	91 m	
18	46.5											18
20	43.5	39.5										20
22	41.5	37.5	34									22
24	39.5	35.5	32.5	28.6								24
26	37.5	34	31	27.7	24.1							26
28	36	32.5	29.7	26.7	23.4	20.1						28
30		31	28.4	25.7	22.8	19.6	16.8					30
32		29.7	27.4	24.7	22	19.1	16.3	13.7				32
34		28.5	26.4	23.7	21.2	18.6	15.9	13.4	11.6			34
36			25.5	23	20.5	17.9	15.5	13.1	11.4	9.6		36
38			24.7	22.3	19.8	17.3	15.1	12.8	11.1	9.4	7.4	38
40			23.9	21.7	19.2	16.8	14.6	12.5	10.8	9.2	7.2	40
42			23.2	21.1	18.7	16.3	14.1	12.1	10.6	9	7	42
44				20.5	18.3	15.8	13.7	11.7	10.3	8.8	6.9	44
46				20	17.9	15.4	13.2	11.3	10	8.5	6.7	46
48				19.4	17.5	15.1	12.8	11	9.7	8.3	6.5	48
50					17.1	14.7	12.5	10.7	9.4	8.1	6.4	50
52					16.7	14.4	12.3	10.3	9.2	7.9	6.2	52
54					16.4	14.1	12	10	8.9	7.7	6	54
56					16.1	13.8	11.8	9.8	8.7	7.5	5.8	56
58						13.6	11.6	9.5	8.5	7.3	5.7	58
60						13.3	11.4	9.3	8.3	7.1	5.5	60
62						13	11.2	9.1	8.2	6.9	5.4	62
64							11	8.9	8	6.7	5.3	64
66							10.8	8.7	7.9	6.6	5.2	66
68							10.7	8.5	7.7	6.5	5.1	68
70							10.5	8.3	7.6	6.3	5	70
72								8.1	7.4	6.2	4.9	72
74								7.9	7.3	6.1	4.8	74
76								7.7	7.2	6	4.7	76
78									7.1	5.8	4.6	78
80									7	5.7	4.5	80
82									6.8	5.6	4.5	82
84									6.7	5.5	4.4	84
86										5.4	4.3	86
88										5.3	4.2	88
90										5.2	4.1	90
92											4.1	92
94											4	94
96											3.9	96
98											3.8	98
%	92											I
	92											II
	92											III

TAB 221001.5



WORKING RADIUS - LIFTING HEIGHT



LIFTING HEIGHT (m)

WORKING RADIUS (m)



75°

16.1 m - 26.5 m



21 m - 91 m



10 m x 9.6 m



360°



165 t



**DIN
ISO**

	16.1 m + 4 m											26.5 m + 4 m											
	21 m	28 m	35 m	42 m	49 m	56 m	63 m	70 m	77 m	84 m	91 m	21 m	28 m	35 m	42 m	49 m	56 m	63 m	70 m	77 m	84 m	91 m	
16	101																						16
18	90																						18
20	82	81										75											20
22	74	74										69											22
24	68	67	67									64	63										24
26	62	62	61	58								59	58	57									26
28		57	57	56								55	54	53									28
30		53	53	52	47.5								50	49.5	47.5								30
32		49.5	49	48.5	46	39							47	46	45.5	41							32
34		46.5	46	45.5	44.5	37.5							44	43	42.5	40							34
36			43	42.5	42	36.5	32.5						41	40.5	40	38.5	34						36
38			40.5	40	39.5	35.5	31.5	22.8						38	37.5	37	33	29.1					38
40			38	37.5	37	34.5	31	22.1						36	35.5	35	32	28.4					40
42				35.5	35	33.5	30	21.4	20.2					34	33.5	33	31.5	27.7	21.4				42
44				33.5	33	32.5	29.6	20.7	19.7	14.8					31.5	31	30.5	27	20.7				44
46				32	31.5	31	29.1	20	19.1	14.3					29.9	29.4	28.7	26.4	20.1	18.9			46
48				27.3	29.8	29.3	28.7	19.4	18.6	13.9	12				28.4	27.9	27.2	25.8	19.6	18.4	13.9		48
50					28.3	27.9	27.6	18.9	18	13.4	11.7				27	26.5	25.9	25.2	19	18	13.5		50
52					26.2	26.6	26.3	18.4	17.6	13	11.4					25.2	24.6	24.3	18.5	17.6	13.1	11.4	52
54					22.6	25.3	25	18	17.2	12.6	11.1					24	23.4	23.1	18.1	17.2	12.8	11.1	54
56						24.2	23.9	17.5	16.9	12.3	10.8					23	22.4	22	17.7	16.8	12.4	10.9	56
58						23.1	22.8	17.2	16.5	12	10.6						21.4	21	17.3	16.5	12.1	10.6	58
60						19.8	21.8	16.8	16.2	11.7	10.3						20.4	20.1	17	16.2	11.8	10.4	60
62						16.7	20.9	16.5	15.9	11.4	10.1						19.5	19.2	16.7	15.9	11.5	10.2	62
64							19.3	16.2	15.6	11.2	9.9						18.7	18.4	16.4	15.6	11.3	10	64
66							16.7	15.9	15.4	10.9	9.7							17.6	16.2	15.4	11	9.8	66
68							14.3	15.6	15.1	10.7	9.5							16.9	15.9	15.2	10.8	9.6	68
70								15.4	14.9	10.5	9.3							16.2	15.7	15	10.5	9.4	70
72								15	14.7	10.3	9.2								15	14.6	10.4	9.3	72
74								12.9	14.5	10.2	9								14.4	14	10.2	9.1	74
76								10.9	14.3	10	8.9								13.9	13.4	10.1	8.9	76
78									13.3	9.8	8.8								12.9	12.9	9.9	8.8	78
80									11.3	9.6	8.6									12.4	9.8	8.7	80
82									9.2	9.5	8.5									11.9	9.6	8.6	82
84										9.3	8.4									11.4	9.5	8.5	84
86										9.2	8.3										9.3	8.4	86
88										8.5	8.2										9.2	8.3	88
90										6.6	8.1										9.1	8.1	90
92											8										8.7	8	92
94											7.3											7.9	94
96											5.5											7.9	96
98																						7.7	98
I	0											46											I
II	0											46											II
III	0											0											III

TAB 221020.1/2





75°

36.9 m - 42.1 m



21 m - 91 m



10 m x 9.6 m



360°



165 t



 m	36.9 m + 4 m											42.1 m + 4 m											 m	
	21 m	28 m	35 m	42 m	49 m	56 m	63 m	70 m	77 m	84 m	91 m	21 m	28 m	35 m	42 m	49 m	56 m	63 m	70 m	77 m	84 m	91 m		
24	47.5											38.5											24	
26	44	43																					26	
28	41.5	40										36	35										28	
30	39	37.5	36.5									34	32.5										30	
32	38.5	35.5	34.5									32	30.5	29.8									32	
34		33.5	32.5	31.5									29	28.1	26.9								34	
36		32	31	29.7	28.5								27.5	26.5	25.4								36	
38		31.5	29.3	28.3	27.1								26.1	25.2	24	22.6							38	
40			27.8	27	25.7	24.1							25.5	24	22.7	21.6							40	
42			27.2	25.7	24.5	23.1	20.8							22.9	21.7	20.5	18.7						42	
44			26.8	24.5	23.4	22.1	20.3							21.8	20.8	19.5	18	16					44	
46			26.3	23.6	22.4	21.2	19.6	17.3						21.3	19.9	18.6	17.3	15.4					46	
48				23.2	21.4	20.3	18.9	16.9	14.8						19	17.8	16.5	14.9	13				48	
50				23	20.5	19.5	18.1	16.5	14.5						18.2	17.1	15.8	14.4	12.6	11.2			50	
52				22.7	19.9	18.7	17.4	16	14.3	12.4					17.9	16.4	15.2	13.8	12.2	10.9			52	
54					19.6	17.9	16.7	15.4	14	12.2					17.9	15.7	14.5	13.3	11.8	10.6	9.2		54	
56					19.4	17.1	16.1	14.8	13.8	12.1	10.1					15	13.9	12.7	11.5	10.3	9		56	
58					19.2	16.8	15.4	14.3	13.4	11.9	9.9					14.8	13.4	12.2	11	10	8.8	7.1	58	
60					19	16.6	14.8	13.7	12.9	11.6	9.8					14.8	12.8	11.7	10.5	9.7	8.5	6.9	60	
62						16.4	14.3	13.2	12.4	11.4	9.7						12.3	11.2	10	9.5	8.3	6.7	62	
64						16.2	13.9	12.7	12	11.2	9.6						12.1	10.7	9.6	9	8.1	6.5	64	
66						16	13.7	12.1	11.5	10.8	9.4						12	10.1	9.1	8.6	7.8	6.3	66	
68							13.5	11.7	11.1	10.4	9.2						12	9.6	8.6	8.2	7.5	6.1	68	
70							13.4	11.4	10.6	10.1	8.8							9.4	8.2	7.8	7.1	5.8	70	
72							13.2	11.3	10.1	9.7	8.5							9.4	7.7	7.3	6.8	5.5	72	
74							13	11.1	9.7	9.4	8.2							9.4	7.3	6.9	6.4	5.2	74	
76								11	9.6	8.9	7.9								7.1	6.5	6.1	5	76	
78								10.8	9.4	8.5	7.6								7.1	6.1	5.7	4.7	78	
80								10.7	9.3	8.2	7.2								7.1	5.7	5.4	4.4	80	
82									9.2	8.1	6.8								7.1	5.6	5	4.2	82	
84									9.1	8	6.4										5.6	4.7	3.9	84
86									8.9	7.8	6.2										5.6	4.4	3.7	86
88									8.8	7.7	6.1										5.6	4.3	3.4	88
90										7.6	6											4.3	3.2	90
92										7.5	5.9											4.3	3	92
94										7.4	5.8											4.3	2.9	94
96											5.7											4.3	2.9	96
98											5.6												2.9	98
100											5.5												2.9	100
 %	I	92											92											I
	II	92											92											II
	III	0											46											III

TAB 221020.3/4

75°
47.3 m

21 m - 91 m



10 m x 9.6 m



360°



165 t

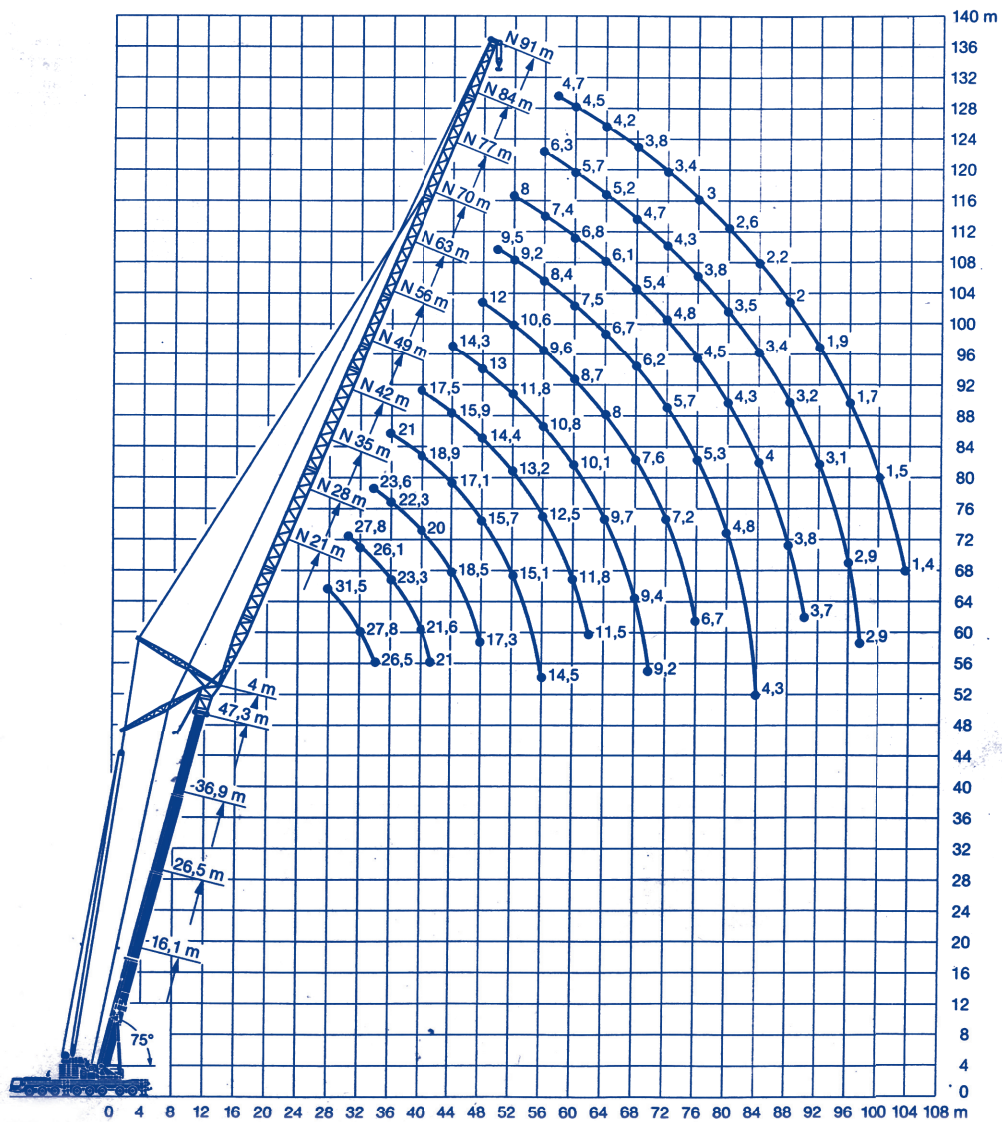
DIN
ISO

47.3 m + 4 m												
m	21 m	28 m	35 m	42 m	49 m	56 m	63 m	70 m	77 m	84 m	91 m	m
28	31.5											28
30	29.3	27.8										30
32	27.8	26.1										32
34	26.5	24.6	23.6									34
36		23.3	22.3	21								36
38		22.3	21.1	19.9								38
40		21.6	20	18.9	17.5							40
42		21	19.2	18	16.7							42
44			18.5	17.1	15.9	14.3						44
46			17.9	16.3	15.1	13.6	12					46
48			17.3	15.7	14.4	13	11.5					48
50				15.4	13.8	12.4	11	9.5				50
52				15.1	13.2	11.8	10.6	9.2	8			52
54				14.8	12.8	11.3	10.1	8.8	7.7			54
56				14.5	12.5	10.8	9.6	8.4	7.4	6.3		56
58					12.1	10.3	9.1	7.9	7.1	6	4.7	58
60					11.8	10.1	8.7	7.5	6.8	5.7	4.5	60
62					11.5	9.9	8.3	7.1	6.4	5.5	4.3	62
64						9.7	8	6.7	6.1	5.2	4.2	64
66						9.5	7.8	6.4	5.7	4.9	4	66
68						9.4	7.6	6.2	5.4	4.7	3.8	68
70						9.2	7.4	5.9	5.1	4.5	3.6	70
72							7.2	5.7	4.8	4.3	3.4	72
74							6.9	5.5	4.6	4	3.2	74
76							6.7	5.3	4.5	3.8	3	76
78								5	4.4	3.6	2.8	78
80								4.8	4.3	3.5	2.6	80
82								4.6	4.1	3.4	2.4	82
84								4.3	4	3.4	2.2	84
86									3.9	3.3	2.1	86
88									3.8	3.2	2	88
90									3.7	3.1	2	90
92										3.1	1.9	92
94										3	1.8	94
96										2.9	1.7	96
98										2.9	1.6	98
100											1.5	100
104											1.4	104
I	92											I
II	92											II
III	92											III

TAB 221020.5



WORKING RADIUS - LIFTING HEIGHT



LIFTING HEIGHT (m)

WORKING RADIUS (m)



67°

16.1 m - 26.5 m



21 m - 91 m



10 m x 9.6 m



360°



165 t

DIN
ISO

	16.1 m + 4 m												26.5 m + 4 m												
	m	21 m	28 m	35 m	42 m	49 m	56 m	63 m	70 m	77 m	84 m	91 m	21 m	28 m	35 m	42 m	49 m	56 m	63 m	70 m	77 m	84 m	91 m	m	
22	72																							22	
24	66																							24	
26	60	60											56											26	
28	56	55											52											28	
30		51	51										48	47										30	
32		47.5	47										44.5	44										32	
34		44.5	44	43.5										41	40.5									34	
36		42	41.5	41										38.5	38									36	
38			39	38.5	37.5									36	35.5	35								38	
40			36.5	36	35.5									34	33.5	33								40	
42			34.5	34	33.5	33									31.5	31	30.5							42	
44				32.5	31.5	31									29.9	29.3	28.7							44	
46					30.5	30	29.5	28.3							28.3	27.8	27.2	26.5						46	
48					29.1	28.5	28	27.6								26.4	25.8	25.1						48	
50				27.7	27.1	26.6	26.3	19.5								25.1	24.5	23.8	23.4					50	
52					25.8	25.3	25	19								23.9	23.3	22.6	22.3					52	
54					24.6	24.1	23.8	18.5	17.7							22.8	22.2	21.5	21.2	18.9				54	
56					23.5	23	22.7	18.1	17.3								21.2	20.5	20.2	18.5				56	
58						22	21.7	17.7	16.9	12.2							20.2	19.6	19.2	18.1	17.1			58	
60						21	20.7	17.3	16.6	11.9							19.3	18.7	18.3	17.7	16.8			60	
62						20.2	19.8	17	16.3	11.6	10.4						17.9	17.5	16.9	16.5	11.9			62	
64						19.3	19	16.6	16	11.3	10.2						17.1	16.7	16.2	15.7	11.7			64	
66							18.2	16.3	15.7	11.1	10						16.4	16	15.5	15	11.4	10.1		66	
68							17.5	16.1	15.4	10.9	9.8						15.7	15.4	14.8	14.4	11.2	9.9		68	
70							16.8	15.8	15.1	10.7	9.6								14.7	14.2	13.7	10.9	9.7	70	
72								15.6	15	10.4	9.4								14.1	13.6	13.1	10.7	9.6	72	
74								15	14.5	10.2	9.2								13.5	13	12.5	10.5	9.4	74	
76								14.4	13.9	10	9									12.5	12	10.3	9.2	76	
78								13.1	13.4	9.8	8.9									12	11.5	10.1	9.1	78	
80									12.8	9.6	8.8									11.5	11	9.9	8.9	80	
82									12.3	9.5	8.7										11	10.6	9.8	8.8	82
84									11.8	9.4	8.6											10.1	9.6	8.6	84
86										9.2	8.5											9.7	9.2	8.5	86
88										9.1	8.4											9.3	8.8	8.3	88
90										9	8.3												8.4	7.9	90
92										8.8	8.2												8.1	7.6	92
94											8.1												7.8	7.2	94
96											8												7.4	6.9	96
98											7.7													6.6	98
100																								6.3	100
	I	0											46											I	
II		0											46											II	
% III		0											0											III	

TAB 221039.1/2





67°

36.9 m - 42.1 m



21 m - 91 m



10 m x 9.6 m



360°



165 t


**DIN
ISO**

	36.9 m + 4 m												42.1 m + 4 m												
	m	21 m	28 m	35 m	42 m	49 m	56 m	63 m	70 m	77 m	84 m	91 m	21 m	28 m	35 m	42 m	49 m	56 m	63 m	70 m	77 m	84 m	91 m	m	
32	34												27.4												32
34	32												25.9												34
36	30.5	29.3											24.4	23.3											36
38		27.7												22.1											38
40		26.1	25.7											21	20.3										40
42		25	24.4											19.9	19.3										42
44		24	23.1	22.4										19.1	18.4	17.5									44
46			21.9	21.4											18.4	17.5									46
48			21.1	20.3	19.5										17.4	16.6									48
50			20.3	19.3	18.6										16.5	15.8	14.8								50
52				18.5	17.7	16.7									15.9	15	14.1								52
54				17.8	16.8	15.8										14.3	13.4	12.2							54
56				17.2	15.9	15.1	14.2									13.5	12.7	11.6							56
58				16.7	15.3	14.3	13.5									13.1	12	11	9.9						58
60					14.8	13.6	12.8	12.1								12.9	11.4	10.4	9.4						60
62					14.3	12.9	12.1	11.4									10.8	9.9	8.8	7.8					62
64					13.8	12.4	11.5	10.9	10.5								10.5	9.3	8.3	7.3					64
66						12	10.9	10.3	10								10.3	8.8	7.8	6.8	6.2				66
68						11.6	10.4	9.7	9.4	9								8.3	7.3	6.4	5.7				68
70						11.2	9.9	9.2	8.9	8.5								8	6.8	6	5.4	4.7			70
72						10.9	9.6	8.7	8.4	8	7.2							7.8	6.4	5.6	5.1	4.4			72
74							9.2	8.3	7.9	7.5	6.8							7.7	5.9	5.2	4.8	4.2	3.4		74
76							8.8	7.9	7.4	7.1	6.4								5.7	4.9	4.5	3.9	3.1		76
78							8.5	7.6	7	6.6	6								5.5	4.5	4.2	3.7	2.9		78
80								7.3	6.7	6.2	5.6								5.4	4.2	3.9	3.4	2.6		80
82								7	6.4	5.8	5.2									4	3.6	3.2	2.4		82
84								6.7	6.1	5.4	4.9									3.9	3.4	3	2.2		84
86								6.6	5.8	5.2	4.5									3.8	3.1	2.7	2		86
88									5.6	5	4.2									3.8	3	2.5	1.8		88
90									5.3	4.8	3.9										2.9	2.3	1.6		90
92									5.1	4.6	3.7										2.8	2.1	1.4		92
94										4.4	3.6										2.8	2	1.2		94
96										4.2	3.4											1.9	1		96
98										4	3.2											1.9			98
100											4	3.1										1.8			100
104											2.8														104
	I	92											92											I	
	II	92											92											II	
	III	0											46											III	

TAB 221039.3/4

67°
47.3 m

21 m - 91 m



10 m x 9.6 m



360°



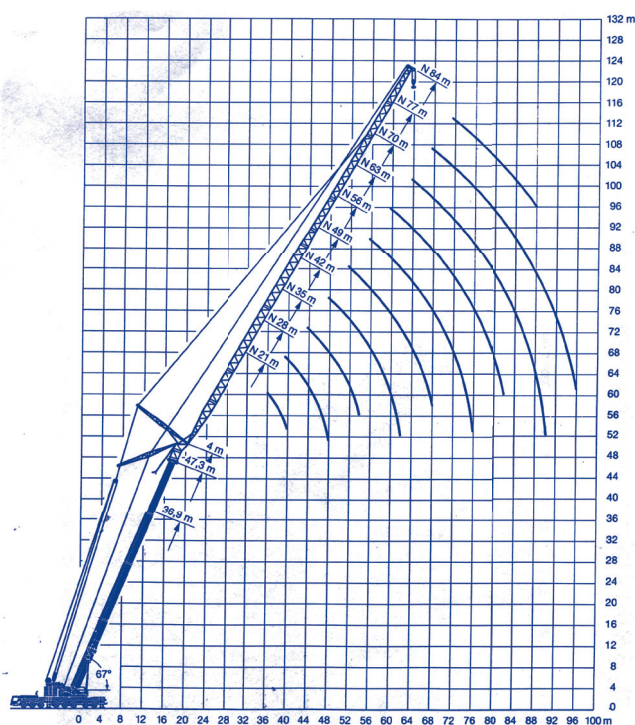
165 t

DIN
ISO

47.3 m + 4 m											
m	21 m	28 m	35 m	42 m	49 m	56 m	63 m	70 m	77 m	84 m	m
36	22.5										36
38	21.2										38
40	20	18.9									40
42		17.9									42
44		16.9	16.3								44
46		16	15.4								46
48		15.3	14.6	13.8							48
50			13.8	13							50
52			13.1	12.2	11.4						52
54			12.6	11.6	10.7						54
56				10.9	10.1	9					56
58				10.4	9.5	8.4					58
60				10.1	9	7.8	6.7				60
62				9.7	8.5	7.3	6.1				62
64					8.1	6.8	5.6	4.7			64
66					7.8	6.3	5.2	4.3			66
68					7.5	5.9	4.9	4	3.7		68
70						5.7	4.6	3.7	3.4		70
72						5.4	4.3	3.5	3.1	2.7	72
74						5.2	4	3.2	2.8	2.4	74
76						5	3.9	3	2.6	2.2	76
78							3.7	2.8	2.4	1.9	78
80							3.6	2.5	2.2	1.7	80
82							3.4	2.4	2	1.5	82
84								2.3	1.8	1.4	84
86								2.2	1.6	1.2	86
88								2.1	1.5	1	88
90								2	1.4		90
92									1.3		92
94									1.2		94
96									1.1		96
I	92										I
II	92										II
% III	92										% III

TAB 221039.5

WORKING RADIUS - LIFTING HEIGHT



WORKING RADIUS (m)

LIFTING HEIGHT (m)

