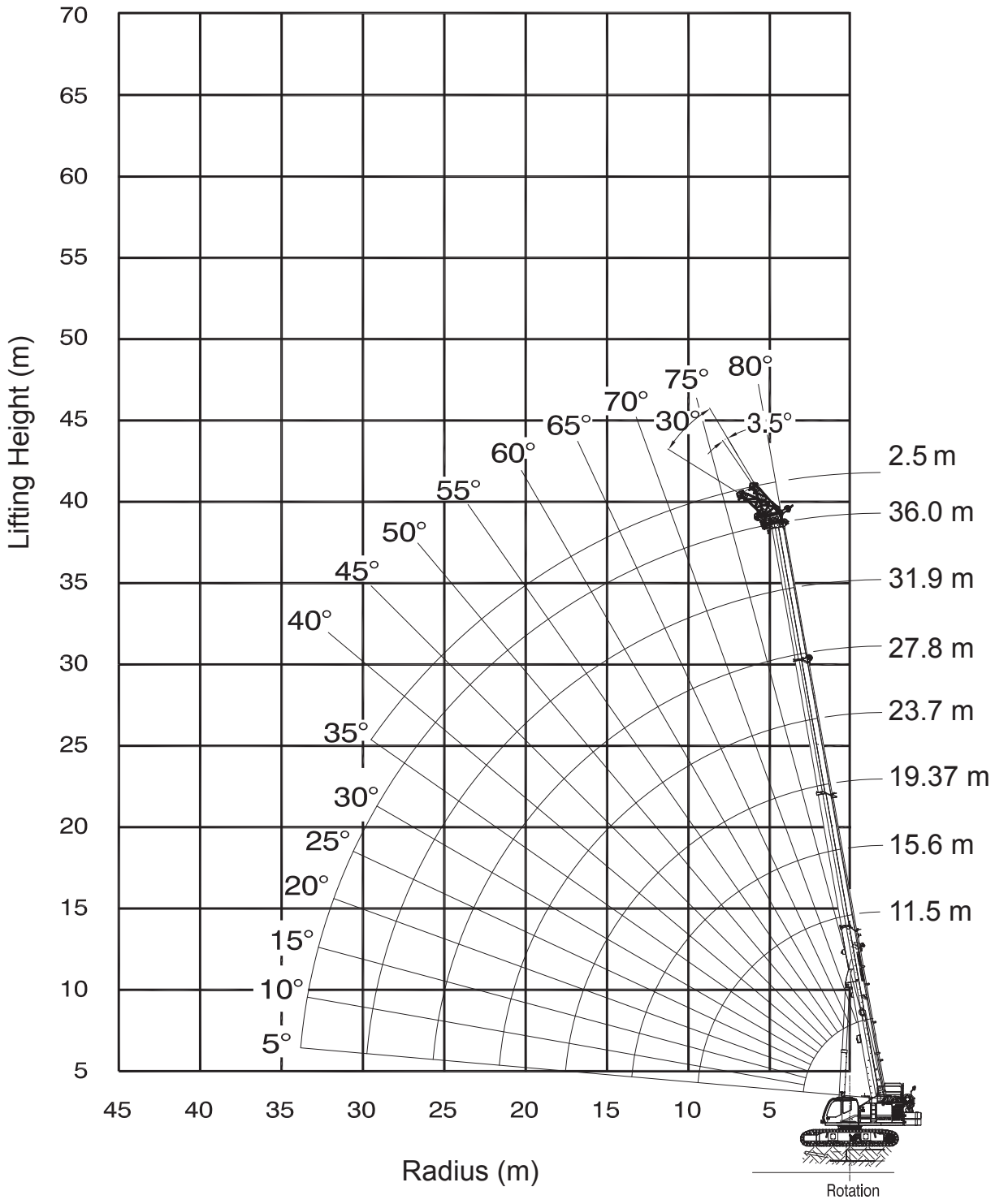
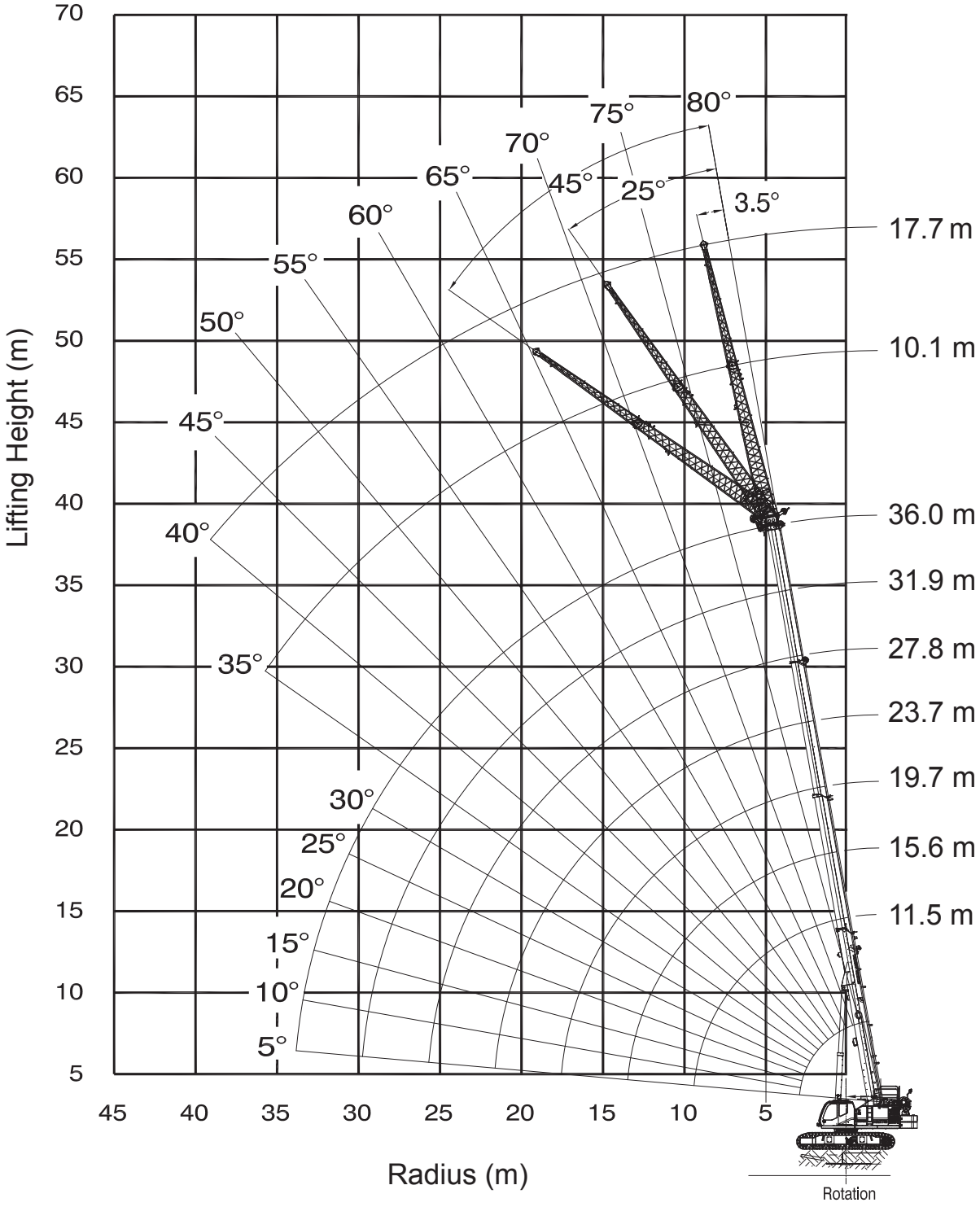
WORKING RANGE - HEAVY LIFT JIB



WORKING RANGE - JIB



LOAD CHARTS

MAIN BOOM WITH TRACKS FULLY EXTENDED - 360° UP TO 0.5° SLOPE - NO TRAVEL								
13.6 t MAIN COUNTERWEIGHT AND 6.0 t CARBODY COUNTERWEIGHT								
Radius (m)	MAIN BOOM LENGTH (m)							Radius (m)
	11.5	15.6	19.7	23.8	27.8	31.9	36.0	
2.5	70.0**							2.5
3	60.0	52.4	46.5					3
4	50.4	50.0	34.9	16.9	16.5			4
5	39.9	39.5	34.2	16.9	16.4	15.7		5
6	32.7	32.4	30.1	16.9	16.4	15.7	13.5	6
7	27.6	27.1	24.9	16.9	16.4	15.6	13.5	7
8	23.0	22.3	21.0	16.9	16.4	15.5	13.5	8
9	19.2	18.5	18.0	16.9	16.4	15.4	12.6	9
10		16.9	16.4	15.6	15.3	14.9	11.7	10
12		12.8	13.1	12.6	12.1	12.0	10.2	12
14			10.4	10.5	9.5	9.7	9.0	14
16			8.5	8.6	7.6	7.8	8.0	16
18				7.2	6.2	6.6	6.7	18
20				6.1	5.2	5.9	5.5	20
22					4.8	5.0	4.7	22
24					4.3	4.2	3.9	24
26						3.6	3.3	26
28						3.1	2.8	28
30							2.4	30
32							2.0	32
PARTS OF LINE	10	8	8	4	4	4	2	PARTS OF LINE

** with special equipment

LOAD CHARTS

MAIN BOOM WITH TRACKS FULLY EXTENDED - 360° UP TO 4° SLOPE - NO TRAVEL								
13.6 t MAIN COUNTERWEIGHT AND 6.0 t CARBODY COUNTERWEIGHT								
Radius (m)	MAIN BOOM LENGTH (m)							Radius (m)
	11.5	15.6	19.7	23.8	27.8	31.9	36.0	
3	59.1	43.5	34.9					3
4	47.6	39.3	33.4	16.9	16.5			4
5	37.3	31.4	27.2	16.9	16.4	14.3		5
6	29.7	26.0	22.8	16.9	16.4	14.3	11.5	6
7	24.1	21.8	19.4	16.9	16.4	14.3	11.5	7
8	20.2	18.2	16.8	15.9	15.1	14.3	11.4	8
9	17.5	16.7	16.2	14.1	13.4	12.7	10.7	9
10		14.6	14.2	13.1	12.0	11.5	10.0	10
12		11.6	11.2	10.9	9.6	9.4	8.9	12
14			9.2	9.0	7.7	7.6	7.7	14
16			7.7	7.5	6.3	6.7	6.3	16
18				6.4	5.5	5.8	5.3	18
20				5.6	5.0	4.9	4.5	20
22					4.6	4.2	3.8	22
24					4.2	3.7	3.3	24
26						3.2	2.8	26
28						2.8	2.4	28
30							2.0	30
32							1.8	32
PARTS OF LINE	10	4	4	4	2	2	2	PARTS OF LINE

LOAD CHARTS

MAIN BOOM WITH TRACKS RETRACTED - OVER FRONT/REAR UP TO 0.5° SLOPE - NO TRAVEL								
13.6 t MAIN COUNTERWEIGHT AND 6.0 t CARBODY COUNTERWEIGHT								
Radius (m)	MAIN BOOM LENGTH (m)							Radius (m)
	11.5	15.6	19.7	23.8	27.8	31.9	36.0	
2.5	70.0**							2.5
3	60.0	52.4	46.5					3
4	50.4	50.0	34.9	16.9	16.5			4
5	39.9	39.5	34.2	16.9	16.4	15.7		5
6	32.7	32.4	32.1	16.9	16.4	15.7	13.5	6
7	27.6	27.2	26.9	16.9	16.4	15.6	13.5	7
8	23.7	23.3	23.0	16.9	16.4	15.5	13.5	8
9	20.6	20.2	19.9	16.9	16.4	15.4	12.6	9
10		17.8	17.5	16.9	16.4	14.9	11.7	10
12		15.1	15.5	14.4	13.9	12.8	10.2	12
14			12.5	11.3	11.6	11.1	9.0	14
16			10.3	10.1	9.4	9.5	8.0	16
18				8.7	7.7	7.9	7.2	18
20				7.4	6.4	6.6	6.6	20
22					5.4	5.6	5.8	22
24					4.6	5.0	5.0	24
26						4.6	4.3	26
28						4.0	3.7	28
30							3.2	30
32							2.7	32
PARTS OF LINE	10	8	8	4	4	4	2	PARTS OF LINE

** with special equipment

LOAD CHARTS

MAIN BOOM WITH TRACKS FULLY RETRACTED - OVER SIDE UP TO 1.5° SLOPE - NO TRAVEL								
13.6 t MAIN COUNTERWEIGHT AND 6.0 t CARBODY COUNTERWEIGHT								
Radius (m)	MAIN BOOM LENGTH (m)							Radius (m)
	11.5	15.6	19.7	23.8	27.8	31.9	36.0	
3	*	*	*					3
4	*	*	*	*	*			4
5	*	*	*	*	*	*		5
6	20.4	*	*	*	*	*	*	6
7	16.5	15.6	*	*	*	*	*	7
8	13.6	14.0	13.8	*	*	*	*	8
9	11.5	11.8	11.9	11.7	*	10.3	9.5	9
10		10.2	10.3	10.3	9.7	9.2	8.4	10
12		7.8	7.9	8.0	8.1	7.4	6.7	12
14			6.3	6.4	6.5	6.0	5.5	14
16			5.1	5.2	5.3	4.9	4.5	16
18				4.3	4.4	4.0	3.6	18
20				3.6	3.6	3.2	2.9	20
22					3.1	2.7	2.3	22
24					2.6	2.2	1.9	24
26						1.8	1.5	26
28						1.5	1.1	28
30							0.8	30
32							0.6	32
PARTS OF LINE	10	8	8	4	4	4	2	PARTS OF LINE

LOAD CHARTS

MAIN BOOM WITH TRACKS FULLY EXTENDED - 360° UP TO 1.5° SLOPE - NO TRAVEL								
0 t MAIN COUNTERWEIGHT AND 6.0 t CARBODY COUNTERWEIGHT								
Radius (m)	MAIN BOOM LENGTH (m)							Radius (m)
	11.5	15.6	19.7	23.8	27.8	31.9	36.0	
3	48.8	39.4	32.9					3
4	32.6	27.4	23.6	16.9	16.5			4
5	24.0	20.6	18.0	16.9	16.0	15.0		5
6	18.7	16.9	16.4	15.4	13.0	13.1	11.8	6
7	14.4	14.4	13.7	12.9	11.3	11.1	10.0	7
8	11.5	11.9	11.6	11.0	10.6	9.5	8.6	8
9	9.5	9.8	9.9	9.6	9.2	8.2	7.4	9
10		8.3	8.4	8.3	8.1	7.2	6.5	10
12		6.1	6.2	6.3	6.3	5.6	5.0	12
14			4.7	4.8	5.0	4.4	3.9	14
16			3.7	3.8	3.9	3.5	3.0	16
18				3.0	3.1	2.7	2.4	18
20				2.4	2.5	2.1	1.8	20
22					2.0	1.6	1.3	22
24					1.6	1.2	0.9	24
26						0.8	*	26
28						0.6	*	28
30							*	30
32							*	32
PARTS OF LINE	10	8	8	4	4	4	2	PARTS OF LINE

LOAD CHARTS

AUX NOSE SHEAVE WITH TRACKS FULLY EXTENDED - 360° UP TO 1.5° SLOPE - NO TRAVEL								
13.6 t MAIN COUNTERWEIGHT AND 6.0 t CARBODY COUNTERWEIGHT								
Radius (m)	MAIN BOOM LENGTH (m)							Radius (m)
	11.5	15.6	19.7	23.8	27.8	31.9	36.0	
3	6.6	6.6	6.6					3
4	6.6	6.6	6.6	6.6				4
5	6.6	6.6	6.6	6.6	6.6			5
6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6
7	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7
8	6.6	6.6	6.6	6.6	6.6	6.6	6.6	8
9	6.6	6.6	6.6	6.6	6.6	6.6	6.6	9
10	6.6	6.6	6.6	6.6	6.6	6.6	6.6	10
12		6.6	6.6	6.6	6.6	6.6	6.6	12
14		6.6	6.6	6.6	6.6	6.6	6.6	14
16			6.6	6.6	6.6	6.6	6.6	16
18			6.6	6.6	6.1	6.3	6.4	18
20				6.1	5.1	5.3	5.4	20
22				5.3	4.3	4.9	4.5	22
24					3.9	4.2	3.9	24
26					3.6	3.6	3.3	26
28						3.1	2.8	28
30						2.7	2.4	30
32							2.0	32
34							1.7	34
PARTS OF LINE	1	1	1	1	1	1	1	PARTS OF LINE

LOAD CHARTS

2.5 m JIB WITH TRACKS FULLY EXTENDED - 360° UP TO 0.5° SLOPE - NO TRAVEL											
13.6 t MAIN COUNTERWEIGHT AND 6.0 t CARBODY COUNTERWEIGHT											
Radius (m)	MAIN BOOM LENGTH (m)										Radius (m)
	11.5		23.8		27.8		31.9		36.0		
	3.5°	30°	3.5°	30°	3.5°	30°	3.5°	30°	3.5°	30°	
3	20.7	16.1									3
4	19.4	15.5	15.1								4
5	18.3	15.0	12.5	15.1	12.5						5
6	17.4	14.6	12.4	12.2	11.0	12.2	13.7				6
7	16.7	14.3	12.3	12.1	10.7	10.4	12.5	12.0	12.7		7
8	16.1	14.1	12.2	12.0	10.5	10.2	11.4	10.9	11.8	11.3	8
9	15.7	14.1	12.1	11.9	9.7	9.5	10.4	10.1	10.9	10.5	9
10	15.4	14.1	12.1	11.9	8.9	8.7	9.6	9.3	10.1	9.7	10
12			11.3	11.0	7.5	7.4	8.2	8.0	8.8	8.5	12
14			10.0	9.8	6.5	6.4	7.2	7.0	7.7	7.5	14
16			8.5	8.6	5.7	5.6	6.3	6.2	6.8	6.7	16
18			7.1	7.1	5.0	5.0	5.6	5.6	6.1	6.0	18
20			5.9	6.0	4.5	4.4	5.0	5.0	5.3	5.4	20
22			5.0		4.0	4.0	4.5	4.5	4.4	4.5	22
24			4.3		3.6	3.6	4.0	4.0	3.7	3.7	24
26					3.3		3.4	3.4	3.0	3.1	26
28					3.0		2.8	2.9	2.5	2.6	28
30							2.4		2.1	2.1	30
32							2.0		1.7	1.7	32
34									1.4		34
36									1.1		36
PARTS OF LINE	4	4	2	2	2	2	2	2	2	2	PARTS OF LINE

LOAD CHARTS

10.1 m JIB WITH TRACKS FULLY EXTENDED - 360° UP TO 0.5° SLOPE - NO TRAVEL																
13.6 t MAIN COUNTERWEIGHT AND 6.0 t CARBODY COUNTERWEIGHT																
Radius (m)	MAIN BOOM LENGTH (m)															Radius (m)
	11.5			23.8			27.8			31.9			36.0			
	3.5°	25°	45°	3.5°	25°	45°	3.5°	25°	45°	3.5°	25°	45°	3.5°	25°	45°	
3	6.6															3
4	6.6															4
5	6.6															5
6	6.6															6
7	6.6	6.6		6.6			6.6			6.6						7
8	6.6	6.6		6.6			6.6			6.6			6.0			8
9	6.6	6.6	5.5	6.6	6.6		6.6			6.6			6.0			9
10	6.1	6.2	5.2	6.2	6.6		6.6	6.5		6.6			6.0			10
12	5.5	5.6	4.9	5.6	6.4	5.2	6.4	6.1		6.6	6.3		6.0	6.4		12
14	5.0	5.1	4.6	5.1	6.0	4.9	6.1	5.8	5.0	6.4	6.0	5.0	6.0	6.1		14
16		4.8	4.5	4.8	5.6	4.7	5.6	5.3	4.8	5.8	5.5	4.8	6.0	5.5	4.9	16
18		4.6	*	4.6	5.3	4.6	5.0	4.8	4.6	5.2	5.0	4.7	5.4	5.0	4.7	18
20					5.0	4.5	4.4	4.3	4.3	4.7	4.5	4.4	4.9	4.6	4.5	20
22					4.8	4.4	4.0	3.9	3.9	4.3	4.1	4.1	4.5	4.3	4.1	22
24					4.6	4.3	3.7	3.6	3.6	3.9	3.8	3.7	4.1	3.9	3.8	24
26					4.5	4.3	3.3	3.3	3.3	3.6	3.5	3.5	3.6	3.6	3.6	26
28					3.9	*	3.1	3.0	3.0	3.3	3.2	3.2	3.0	3.3	3.3	28
30					3.4		2.8	2.8	*	2.9	3.0	3.0	2.6	2.8	3.0	30
32							2.6	2.6		2.5	2.7	2.8	2.2	2.4	2.5	32
34							2.4	2.4		2.2	2.3	*	1.9	2.1	2.1	34
36							2.3			1.9	2.0		1.6	1.7	*	36
38										1.6	1.7		1.3	1.4		38
40										1.4			1.1	1.2		40
PARTS OF LINE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	PARTS OF LINE

LOAD CHARTS

17.1 m JIB WITH TRACKS FULLY EXTENDED - 360° UP TO 0.5° SLOPE - NO TRAVEL																
13.6 t MAIN COUNTERWEIGHT AND 6.0 t CARBODY COUNTERWEIGHT																
Radius (m)	MAIN BOOM LENGTH (m)															Radius (m)
	11.5			23.8			27.8			31.9			36.0			
	3.5°	25°	45°	3.5°	25°	45°	3.5°	25°	45°	3.5°	25°	45°	3.5°	25°	45°	
5	4.5															5
6	4.5															6
7	4.5															7
8	4.5			3.7												8
9	4.5			3.7			3.5									9
10	4.5			3.7			3.5			3.3						10
12	4.2	3.7		3.7			3.5			3.3			3.2			12
14	3.7	3.4		3.7	3.6		3.5			3.3			3.2			14
16	3.3	3.1	2.7	3.7	3.4		3.5	3.5		3.3	3.3		3.2			16
18	3.0	2.9	2.5	3.7	3.2	2.6	3.5	3.3		3.3	3.3		3.2	3.2		18
20	2.8	2.6	2.3	3.4	3.1	2.5	3.5	3.1	2.5	3.3	3.2	2.5	3.2	3.2		20
22	2.5	2.4	2.2	3.2	2.9	2.4	3.3	3.0	2.4	3.2	3.0	2.4	3.2	3.1	2.4	22
24	2.4	2.2	2.1	3.0	2.7	2.3	3.1	2.8	2.3	3.1	2.9	2.3	3.2	2.9	2.4	24
26	2.2	2.1		2.8	2.5	2.2	3.0	2.6	2.2	2.9	2.7	2.3	3.2	2.8	2.3	26
28				2.7	2.4	2.1	2.7	2.5	2.2	2.6	2.6	2.2	3.2	2.6	2.2	28
30				2.5	2.3	2.1	2.5	2.4	2.1	2.4	2.5	2.1	2.8	2.5	2.1	30
32				2.4	2.2	2.0	2.3	2.3	2.0	2.3	2.4	2.1	2.5	2.4	2.1	32
34				2.3	2.1	2.0	2.1	2.1	2.0	2.1	2.2	2.0	2.1	2.3	2.0	34
36				2.2	2.0	*	1.9	1.9	2.0	1.8	2.1	2.0	1.8	2.1	2.0	36
38				2.1	2.0		1.8	1.8	*	1.6	1.9	1.9	1.5	1.8	1.9	38
40							1.7	1.7		1.1	1.8	1.8	1.3	1.6	1.7	40
45											1.2		0.8	1.0	*	45
50													0.4	0.5		50
PARTS OF LINE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	PARTS OF LINE

PLEASE READ, UNDERSTAND, AND FOLLOW THE MANUALS FURNISHED WITH THE CRANE AS WELL AS THE CAPACITY LIMITATIONS AND GENERAL CONDITIONS LISTED BELOW PRIOR TO OPERATION OF THE CRANE. FAILURE TO DO SO MAY RESULT IN AN ACCIDENT.

Performance of this TADANO crane as manufactured by Tadano Mantis Corporation applies only to machines as originally equipped by the manufacturer and in a properly maintained condition. Capacities given are maximum covered by the manufacturer's warranty and are based on a freely suspended load with NO allowance for factors as out-of-level operation (beyond the limits specified on the charts), supporting surface conditions, hazardous surroundings, experience of personnel, etc. The operator shall establish practical working loads based on prevailing operating conditions, such as, but not limited to the above.

* Even without a load, the boom should not be positioned in configurations shown with an * in the load chart to avoid tipping the crane.
The lifting capacities in the structural area are based on DIN 15018 parts 2 and 3 and F.E.M. The lifting capacities in the stability area are based on DIN 15019 part 2 / ISO 4305 / EN 13000.
Maximum admissible wind velocity for working with telescopic boom and jibs is 32 km/h. Consult TADANO for ratings at higher wind speeds.
Side pull on boom is extremely dangerous and must be avoided. DO NOT exceed manufacturers maximum specified reeving.
Boom angle/boom length relationships given are an approximation of the resulted load radius, which should be an accurate measurement.
Boom height dimensions are measured from ground to center of lower boom head sheave.

It is permissible to attempt to telescope boom with a load within the limits of rated capacities. However, boom angle system hydraulic pressure, and/or boom lubrication may affect operation.

It is permissible to travel with loads within the rated capacity of the crane. Travel speeds should be greatly reduced to reflect terrain limitations and minimize dynamic loads applied to the crane structure.

Lifting capacities are shown in metric tons.

The weight of load handling devices such as hook blocks, slings, etc., must be considered as part of the load and must be deducted from the lifting capacities.

The lifting capacities for the telescopic boom apply to a crane with no jibs or other optional equipment stowed or mounted on the crane.

The working radius is the horizontal distance from the center of rotation to the center of the freely suspended, non-oscillating load.
The lifting capacities are subject to change without prior notice.
The above remarks are for basic information only and the operator's manual must be consulted before operating this crane. All data and performances refer to the standard crane. The addition of optional and other non-standard equipment may affect the performance of the crane.

Load moment indicating and anti-two block systems are operator aids and must never be used in lieu of job site lift planning calculations by the operator which must take into account ground conditions, weather and all other environmental factors prevailing at the time of the lift.
Specifications are subject to change at any time without prior notice. Illustrations and photographs may show optional equipment.
Supersedes all previous issues.

Specifications are subject to change without prior notice.

Load chart data is for reference, load charts supplied in the crane cab shall be used for lift planning.