

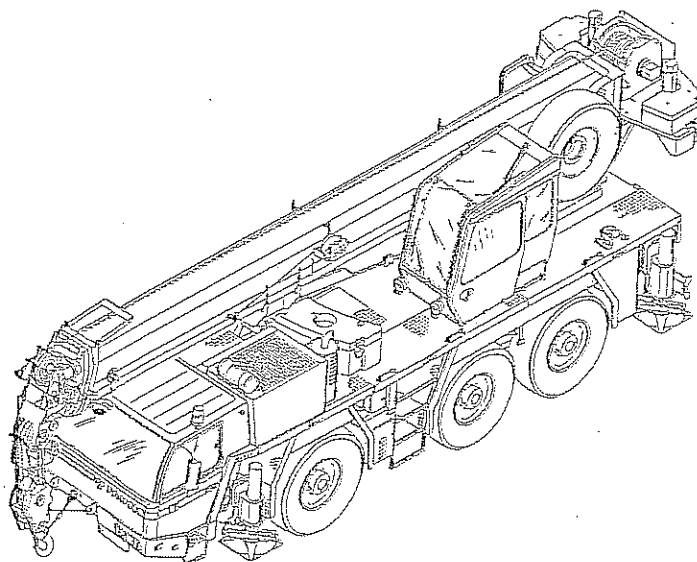
TADANO

7312

ALL-TERRAIN-CRANE

ATF-500XL-1

Serial-No.: 40610



01157

LOAD RATING CHARTS

INSTRUCTION FOR LIFTING CAPACITIES

OUTRIGGER REACTION FORCE CHARTS

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Load rating chart ATF-500XL-1

Serial-No.: 40610

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom
 Counterweight 18,739 lbs
 On outriggers, 360° working area
 Outrigger base 20.67 ft

Working Radius (ft)

Working Radius (ft)

Boom length (ft)

29.5	40.0	40.0	50.2	50.2	50.2	60.4	70.5	70.5	70.5	80.7	80.7	91.2	91.2	101.4	101.4	101.4	111.5	Working Radius (ft)
°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
63	100.0	69	63.1	66	59.5	74	34.0	74	34.0	74	34.0	74	34.0	74	34.0	74	34.0	9
10	61	100.0	69	63.1	66	59.5	71	34.0	71	34.0	71	34.0	71	34.0	71	34.0	71	10
12	56	89.7	66	63.1	66	59.5	71	34.0	71	34.0	71	34.0	71	34.0	71	34.0	71	12
14	51	80.3	62	63.1	62	59.5	69	34.0	69	34.0	69	34.0	69	34.0	69	34.0	69	14
16	45	72.3	59	60.1	69	59.5	66	34.0	66	34.0	66	34.0	66	34.0	66	34.0	66	16
18	38	64.4	55	53.8	55	54.6	64	34.0	64	34.0	64	34.0	64	34.0	64	34.0	64	18
20	30	56.2	51	47.5	51	48.6	61	34.0	61	34.0	61	34.0	61	34.0	61	34.0	61	20
25			41	35.8	41	36.9	54	33.4	54	36.1	54	36.1	54	36.1	54	36.1	54	25
30			27	27.4	27	28.6	46	30.0	46	27.8	46	27.8	46	27.8	46	27.8	46	30
35							37	23.7	37	21.7	37	21.7	37	21.7	37	21.7	37	35
40							25	19.1	25	17.3	25	16.2	25	16.2	25	16.2	25	40
45																		45
50							34	16.5	46	15.8	46	15.8	46	15.8	46	15.8	46	50
55							21	14.0	39	13.3	39	11.1	39	13.2	48	12.0	48	55
60							31	11.3	31	9.1	31	9.1	31	11.8	43	10.0	43	60
65							22	9.6	22	7.4	22	10.6	37	8.3	37	8.3	37	65
70																		70
75																		75
80																		80
85																		85
90																		90
95																		95
100																		100

telescoping sequence %

Tel. 1	0	50	0	0	50	100	0	50	100	0	100	100	0	100	100	50	100	Tel. 1
Tel. 2	0	0	50	33	50	0	50	50	0	50	100	100	0	100	100	50	100	Tel. 2
Tel. 3	0	0	0	33	0	0	50	0	0	50	25	50	100	100	100	50	100	Tel. 3
Tel. 4	0	0	0	0	0	0	50	0	0	50	25	50	100	100	100	50	100	Tel. 4
Code	XXX	110	810	210	110	010	210	110	010	210	010	310	210	010	110	010	010	Code

01-15-2004

Operation and maintenance of this machine must be in compliance with the information provided in the
 "Operation and Maintenance Manual" supplied with this machine.

99707789030

Outrigger reaction force chart ATF-500XL-1

Outrigger reaction force F in ton (US)

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom, load rating chart 99707789030
Counterweight 16,739 lbs
On outriggers, 360° working area
Outrigger base 20.37 ft

Working Radius (ft)

Boom length (ft)

Working Radius (m)

WM	29.5		40.0		40.0		50.2		50.2		50.2		60.4		70.5		70.5		70.5		80.7		80.7		91.2		91.2		101.4		101.4		111.5	
	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F		
9	100.0	40.6																																
10	100.0	42.3	63.1	29.7	59.5	28.2	34.0	18.8	59.5	28.4	59.5	28.7																						
12	89.7	42.6	63.1	32.5	59.5	30.8	34.0	20.4	59.5	31.0	59.5	31.3	34.0	20.3																				
14	80.3	42.2	63.1	35.2	59.5	33.3	34.0	21.9	59.5	33.5	59.5	33.8	34.0	21.8																				
16	72.3	41.8	60.1	38.5	59.5	35.9	34.0	23.4	59.5	35.1	59.5	35.4	34.0	21.6	34.0	22.0	47.7	28.7	29.1	19.6														
18	64.4	40.7	59.8	35.8	54.6	35.8	34.0	25.0	54.2	35.8	52.9	35.6	34.0	24.8	34.0	23.5	40.0	30.0	29.1	21.0	34.0	24.1	34.0	25.4										
20	58.2	39.1	47.5	34.8	48.6	35.0	34.0	26.5	47.8	34.8	46.6	34.6	33.8	26.3	34.0	26.8	40.6	31.3	27.9	22.9	33.8	27.2	33.8	27.0	21.7	19.5	34.0	25.5						
25			35.8	32.6	36.9	32.8	33.4	30.0	36.1	32.6	35.0	32.4	30.7	26.1	32.5	30.1	34.2	31.8	24.7	24.1	31.6	29.8	32.2	29.8	20.3	21.2	29.9	28.4	21.4	22.1	25.7	25.5	21.6	22.6
30			27.4	30.6	28.6	30.9	30.0	31.2	27.6	30.7	28.9	28.6	27.7	29.4	29.4	31.0	27.3	30.8	21.3	24.6	27.5	30.5	28.1	30.6	17.6	21.7	25.9	29.0	19.8	23.6	23.4	26.9	19.9	24.1
35																																		
40																																		
45																																		
50																																		
55																																		
60																																		
65																																		
70																																		
75																																		
80																																		
85																																		
90																																		
95																																		
100																																		
Tel.1	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Tel.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Tel.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Tel.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

01-15-2004

The chart shows the maximum existing outrigger reaction forces in the worst case.

01-15-2004

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

Load rating chart ATF-500XL-1
Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom

Serial-No.: 40610

Counterweight 18,789 lbs
On outriggers, 360° working area
Outrigger base 14.11 ft

Working Radius (ft)

Boom length (ft)

	29.5	40.0	40.0	50.2	50.2	50.2	60.4	70.5	70.5	80.7	80.7	91.2	91.2	101.4	101.4	111.5	Working Radius (ft)
9	63	100.0															9
10	61	94.1	69	63.1	59.5	74	59.5	74	59.5	74	59.5	74	59.5	74	59.5	74	10
12	56	82.9	66	63.1	66	59.5	71	59.5	71	59.5	71	59.5	71	59.5	71	59.5	12
14	51	70.0	62	61.5	62	59.5	69	59.5	69	59.5	69	59.5	69	59.5	69	59.5	14
16	45	55.1	59	53.0	59	54.2	66	34.0	66	34.0	66	34.0	66	34.0	66	34.0	16
18	38	45.1	55	43.5	55	45.2	64	34.0	64	34.0	64	34.0	64	34.0	64	34.0	18
20	30	36.6	51	35.1	51	36.6	61	33.6	61	33.6	61	33.6	61	33.6	61	33.6	20
25			41	23.6	41	25.0	54	26.5	54	26.5	54	26.5	54	26.5	54	26.5	25
30			27	17.0	27	18.1	46	19.6	46	17.4	46	17.4	46	17.4	46	17.4	30
35							37	15.1	37	13.2	37	13.2	37	13.2	37	13.2	35
40							25	12.0	25	10.0	25	9.1	25	9.1	25	9.1	40
45																	45
50																	50
55																	55
60																	60
65																	65
70																	70
75																	75
80																	80
85																	85
90																	90
91.1	0	50	0	0	50	100	0	50	100	0	50	100	0	50	100	0	91.1
91.2	0	0	0	50	50	0	50	50	0	50	50	0	50	50	0	50	91.2
91.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91.3
91.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91.4
2da	XXX	111	811	211	111	011	211	111	011	211	011	311	211	011	111	011	Code

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

Outrlgger réaction force chart ATF-500XL-1

Outrigger reaction force F in ton (US)

Lifting capacities m In 1,000 lbs according per SAE J765 on telescopic boom, load rating chart 99707789031
 Outrigger reaction force F in ton (US)
 Counterweight 18,739 lbs
 On outriggers, 360° working area
 Outrigger base 14.11 ft

Working Radius (ft)

Boom length (ft)

No.	29.5		40.0		40.0		50.2		50.2		50.2		60.4		70.5		70.5		80.7		80.7		91.2		91.2		101.4		101.4		111.5		Working																														
	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F																															
9	100.0	44.8																															F	9																													
0	94.1	45.3	63.1	32.7	59.5	30.8	34.0	19.7	59.5	31.1	59.5	31.4																						10																													
2	82.9	45.1	63.1	36.3	59.5	34.2	34.0	21.8	59.5	34.5	59.5	34.9	34.0	21.6																				12																													
4	70.0	42.9	61.5	39.1	59.5	37.6	34.0	23.8	59.5	37.9	59.5	38.4	34.0	23.7	34.0	23.9	47.7	32.1	29.1	21.1														14																													
6	55.1	39.4	53.0	37.8	54.2	37.9	34.0	25.8	53.4	37.8	52.0	37.5	34.0	25.7	34.0	26.0	46.0	34.0	29.1	22.8														16																													
8	45.1	35.1	43.5	34.7	45.2	35.2	34.0	27.9	44.2	34.9	42.5	34.5	34.0	27.7	34.0	28.1	40.8	33.3	28.6	24.3	34.0	28.9	34.0	28.5										18																													
0	36.6	32.4	35.1	32.0	36.6	32.3	33.6	29.7	35.7	32.2	34.2	31.7	33.6	29.5	33.5	29.8	34.9	32.0	27.9	25.5	33.4	30.6	33.5	30.2	21.8	20.0	34.0	28.6						20																													
5			23.5	28.2	25.0	28.5	26.5	29.0	24.2	28.4	22.9	28.1	27.0	29.1	26.1	28.8	23.3	28.2	24.7	27.2	24.3	28.5	25.2	28.7	20.3	23.6	25.1	28.7	21.4	24.8	24.6	28.1	21.6	25.4	25																												
0			17.0	26.2	18.1	26.3	19.6	26.8	17.4	26.3	16.3	26.1	19.8	26.8	19.2	26.7	16.5	26.0	20.1	26.8	17.4	26.3	18.3	26.5	17.6	24.4	18.3	26.6	19.1	28.1	18.7	26.7	19.2	26.8	30																												
5							15.1	25.4	13.2	25.0	12.0	24.7	15.4	25.4	14.8	25.3	12.4	24.9	15.6	25.5	13.2	25.0	14.0	25.3	15.0	24.6	13.8	25.1	15.6	25.6	14.3	25.3	14.8	25.4	35																												
0							12.0	24.4	10.0	24.0	9.1	24.0	12.5	24.7	11.8	24.5	9.4	24.0	12.7	24.7	10.3	24.3	11.0	24.4	12.9	24.7	10.9	24.4	12.5	24.6	11.4	24.5	11.8	24.6	40																												
5													10.1	23.9	9.5	23.7	7.2	23.4	10.4	24.0	8.1	23.7	8.8	23.8	10.6	24.0	8.6	23.7	10.1	23.9	9.0	23.7	9.5	23.9	45																												
0													8.3	23.4			5.6	23.0	8.6	23.4	6.3	23.1	7.0	23.2	8.8	23.4	6.9	23.3	8.3	23.3	7.4	27.5	7.7	23.3	50																												
5													6.4	23.0	6.4	23.0	4.3	22.7	7.1	23.0	4.9	22.7	5.6	22.9	7.3	23.1	5.5	22.9	6.9	22.9	5.9	22.9	6.2	22.9	55																												
0													5.0	22.4	3.1	22.5	6.0	22.8			3.8	22.5	4.4	22.6	6.2	22.8	4.3	22.4	5.8	22.7	4.7	22.5	5.1	22.6	60																												
5																					2.8	22.1	3.4	22.2	5.2	22.5	3.4	22.4	4.8	22.3	3.9	22.4	4.1	22.3	65																												
0																					2.1	22.0	2.7	22.2	4.3	22.2	2.6	22.1	4.0	22.3	3.0	22.2	3.4	22.3	70																												
5																									3.7	22.1	1.9	22.0	3.4	22.2	2.4	22.1	2.7	22.1	75																												
0																									3.2	22.2	1.4	22.1	2.7	22.0	1.8	22.1	2.1	21.9	80																												
5																									2.2	21.9	1.1	21.6	2.2	21.9	1.1	21.6	1.6	21.9	85																												
0																									1.7	21.7			1.7	21.7		1.1	21.7	90																													
1	0	50	0	0	0	0	0	50	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100																													
																																	Telescoping sequence %																														

2004

Courtesy of CraneMarket

which shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account,

Load rating chart ATF-500XL-1

Serial-No.: 40610

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom

Counterweight 7,716 lbs

On outriggers, 360° working area

Outrigger base 20.67-ft

Working Radius (ft)

Working Radius (ft)	Boom length (ft)																Working Radius (ft)
	29.5	40.0	40.0	50.2	50.2	50.2	60.4	70.5	70.5	70.5	80.7	80.7	91.2	91.2	101.4	101.4	
9	63	100.0	63	74	59.5	74	59.5	74	59.5	74	59.5	74	59.5	74	59.5	74	9
10	61	92.6	61	71	56.8	71	56.8	71	56.8	71	56.8	71	56.8	71	56.8	71	10
12	56	76.8	56	66	51.5	66	51.5	66	51.5	66	51.5	66	51.5	66	51.5	66	12
14	51	65.2	51	62	46.2	62	46.2	62	46.2	62	46.2	62	46.2	62	46.2	62	14
16	45	56.3	45	55	41.3	55	41.3	55	41.3	55	41.3	55	41.3	55	41.3	55	16
18	38	49.8	38	48	36.4	48	36.4	48	36.4	48	36.4	48	36.4	48	36.4	48	18
20	30	43.7	30	41	31.1	41	31.1	41	31.1	41	31.1	41	31.1	41	31.1	41	20
25	41	28.2	41	29	24.6	29	24.6	29	24.6	29	24.6	29	24.6	29	24.6	29	25
30	27	20.2	27	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	30
35	27	20.2	27	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	35
40	27	20.2	27	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	40
45	27	20.2	27	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	45
50	27	20.2	27	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	50
55	27	20.2	27	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	55
60	27	20.2	27	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	60
65	27	20.2	27	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	65
70	27	20.2	27	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	70
75	27	20.2	27	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	75
80	27	20.2	27	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	80
85	27	20.2	27	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	85
90	27	20.2	27	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	90
95	27	20.2	27	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	17.5	21	95

9	63	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

99707789032

Outrigger reaction force chart ATF-500XL-1

Outrigger reaction force F in ton (US)

Lifting capacities m in 1,000 lbs according per SAE J765 on telescopic boom, load rating chart 99707789032

Counterweight 7,716 lbs

On outriggers, 360° working area

Outrigger base 20.67 ft

Boom length (ft)

Working Radius (ft)

Working Radius (ft)

Working Radius	29.5		40.0		40.0		50.2		50.2		50.2		60.4		70.5		70.5		70.5		80.7		80.7		91.2		91.2		101.4		101.4		111.5					
	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F						
9	100.0	40.4																																				
10	92.6	40.1	63.1	29.9	59.5	28.4	34.0	19.0	59.5	28.6	59.5	28.8																										
12	76.8	37.6	63.1	32.6	59.5	30.9	34.0	20.5	59.5	31.1	59.5	31.4	34.0	20.4																								
14	65.2	35.9	61.4	34.6	59.5	33.5	34.0	22.1	59.5	33.7	59.2	33.9	34.0	22.0	34.0	22.2	47.7	28.9	29.1	19.8																		
16	56.3	34.6	55.0	34.3	55.9	34.4	34.0	23.6	55.0	34.2	53.9	34.1	34.0	23.5	34.0	23.7	46.0	30.2	29.1	21.1	34.0	24.3	34.0	24.0														
18	49.8	33.5	48.4	33.3	49.8	33.5	34.0	25.1	48.7	33.2	47.4	33.1	34.0	25.0	34.0	25.3	43.4	30.9	28.6	22.2	34.0	25.9	34.0	25.6	21.8	18.7	34.0	25.7										
20	43.7	32.4	42.2	32.2	43.7	32.3	34.0	26.7	42.6	32.2	41.3	32.0	33.8	26.4	34.0	26.8	40.2	31.2	27.9	23.1	33.8	27.4	33.9	27.1	21.7	19.7	33.7	27.1	21.8	19.9	26.7	23.1						
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Tel. 2	0		0	0	50	33	50	50	50	100	0	50	50	50	100	100	100	67	100	100	100	100	100	50	100	100	100	100	100	100	100	100	100	100	100	95		
Tel. 3	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95			
Tel. 4	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95			

01-15-2004

The chart shows the

01-15-2004

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom

- Counters per boom 3700 on telescopic boom
- Counterweight 7,716 lbs
- On outriggers, 360° working area
- Outrigger base 14.11 ft

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.	267
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9970789033

Outrigger reaction force chart ATF-500XL-1

Outrigger reaction force F in ton (US)
 Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom, load rating chart 99707789033
 Counterweight 7,716 lbs
 On outriggers, 360° working area
 Outrigger base 14.11 ft

Working Radius (ft)

Boom length (ft)

29.5	40.0	40.0	40.0	50.2	50.2	50.2	60.4	70.5	70.5	70.5	80.7	80.7	91.2	91.2	101.4	101.4	101.4	111.5
m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m
39.0	45.4	39.0	45.4	39.0	45.4	39.0	45.4	39.0	45.4	39.0	45.4	39.0	45.4	39.0	45.4	39.0	45.4	39.0
31.3	44.9	63.1	33.5	59.5	31.6	34.0	20.5	59.5	31.9	59.5	32.3							9
73.3	41.4	61.5	36.4	59.5	35.0	34.0	22.6	59.5	35.3	58.6	35.3							10
32.8	34.8	50.9	34.3	52.6	34.7	34.0	24.6	51.9	34.6	49.6	33.9	34.0	22.5					12
39.8	30.6	38.2	30.1	40.0	30.7	34.0	26.7	38.9	30.3	37.1	29.8	34.0	26.5	34.0	24.8			14
32.2	28.1	30.8	27.7	32.5	28.2	31.3	26.9	31.5	27.9	29.8	27.4	31.5	26.9	31.1	27.0			16
25.8	25.9	24.5	25.7	26.0	26.1	27.8	26.6	25.2	25.9	23.6	25.4	28.2	26.7	27.3	26.4			18
		15.9	22.9	17.3	23.3	19.8	24.5	16.4	23.1	15.1	22.7	19.2	23.8	18.4	23.6			20
		10.9	21.4	12.0	21.6	13.5	22.0	11.3	21.5	10.2	21.3	13.8	22.0	13.1	21.9			25
						10.1	21.0	8.1	20.5	7.0	20.2	10.5	21.1	9.8	20.9			30
						7.9	20.5	5.9	20.0	4.8	19.7	8.2	20.4	7.5	20.2			35
												6.5	20.0	5.8	19.8			40
												5.1	19.5	4.6	19.5			45
														3.5	19.2			50
															2.5	18.9		55
																		60
																		65
																		70
																		75
																		80

Telescoping sequence %

0	50	0	0	0	50	100	0	0	100	100	0	100	100	0	100	100	100	Tel.1
0	0	0	50	33	50	50	50	50	50	50	67	100	100	100	100	100	100	Tel.2
0	0	0	0	33	0	0	50	50	50	50	67	100	100	100	100	100	100	Tel.3
0	0	0	0	33	0	0	50	50	50	50	67	100	100	100	100	100	100	Tel.4

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.



Serial-No.: 40610

Load rating chart: ATT-500XL-1

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom

Counterweight 4,200 lbs

On outrigger: 350° working area

Outrigger base: 20.07 ft

Working Radius (ft)

Boom length (ft)

Working Radius (ft)	29.5	40.0	40.0	50.2	50.2	50.2	60.4	70.6	70.6	70.6	80.7	80.7	91.2	91.2	101.4	101.4	111.5	Working Radius (ft)
9	63	98.0	63.1	69	59.5	74	59.5	74	59.5	74	59.5	74	59.5	74	59.5	74	59.5	9
10	61	88.5	66	63.1	66	59.5	71	59.5	71	59.5	71	59.5	71	59.5	71	59.5	71	10
12	56	73.5	66	63.1	66	59.5	71	59.5	71	59.5	71	59.5	71	59.5	71	59.5	71	12
14	51	62.2	62	60.0	62	59.1	69	34.0	69	34.0	69	34.0	69	34.0	69	34.0	69	14
16	45	54.0	59	52.5	59	53.8	66	34.0	66	34.0	66	34.0	66	34.0	66	34.0	66	16
18	38	46.8	55	45.4	55	46.7	64	34.0	64	45.7	64	45.7	64	45.7	64	45.7	64	18
20	30	39.9	51	38.5	51	39.9	61	33.8	61	39.0	61	37.4	61	37.4	61	37.4	61	20
25			41	25.6	41	27.1	54	28.5	54	26.2	54	24.9	54	26.2	54	24.9	54	25
30			27	18.2	27	19.6	46	20.9	46	18.7	46	17.6	46	18.7	46	17.6	46	30
35							37	16.2	37	14.1	37	12.9	37	14.1	37	12.9	37	35
40							25	12.8	25	11.1	25	9.8	25	11.1	25	9.8	25	40
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55																		55
60																		60
65																		65
70																		70
75																		75
80																		80
85																		85
90																		90

Telescoping sequence %

Telescoping sequence %	0	50	100	0	50	100	0	50	100	0	50	100	0	50	100	0	50	100
Tel. 1	0	50	0	0	50	100	0	50	100	0	50	100	0	50	100	0	50	100
Tel. 2	0	0	50	33	60	0	50	50	0	50	50	0	50	50	0	50	50	0
Tel. 3	0	0	0	33	0	0	50	0	50	0	50	0	50	0	50	0	50	0
Tel. 4	0	0	0	0	33	0	0	0	0	50	0	50	0	0	0	50	0	0
Code	XXX	150	850	250	150	050	250	150	050	250	150	050	250	150	050	250	150	050

01-15-2004

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

99707789034

Outrigger reaction force chart ATF-500XL-1

Outrigger reaction force F in ton (US)

Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom, load rating chart 99707789034
Counterweight 4,409 lbs
On outriggers, 360° working area
Outrigger base 20.67 ft

Working Radius (ft)

Working Radius (ft)

Boom length (ft)

	29.5		40.0		40.0		50.2		50.2		50.2		60.4		70.5		70.5		70.5		80.7		80.7		91.2		91.2		101.4		101.4		111.5		Work
	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F			
9	99.0	40.0																																9	
10	88.5	38.7	63.1	30.0	59.5	28.4	34.0	19.0	59.5	28.6	59.5	28.9																						10	
12	73.5	36.4	63.1	32.7	59.5	31.0	34.0	20.6	59.5	31.2	59.5	31.5	34.0	20.5																				12	
14	62.2	34.7	60.0	34.1	59.1	33.3	34.0	22.1	58.5	33.3	57.8	33.3	34.0	22.0	34.0	22.2	47.7	28.9	29.1	19.9														14	
16	54.0	33.5	52.5	33.2	53.8	33.4	34.0	23.7	52.7	33.1	51.6	32.9	34.0	23.5	34.0	25.3	42.3	30.4	28.6	22.2	34.0	25.9	34.0	24.3										16	
18	46.8	32.0	45.4	31.5	46.7	31.9	34.0	25.2	45.7	31.7	44.4	31.4	34.0	25.1	34.0	26.8	37.9	30.0	27.9	23.2	33.6	27.3	33.7	27.1	21.8	18.7								18	
20	39.9	30.4	38.5	30.1	39.9	30.4	33.8	26.7	39.0	30.2	37.4	29.8	33.8	26.5	33.8	26.8	37.9	30.0	27.9	23.2	33.6	27.3	33.7	27.1	21.7	19.7	21.8	20.0	26.7	23.1				20	
25			25.6	26.3	27.1	26.7	28.5	27.0	26.2	26.5	24.9	26.2	34.0	25.1	34.0	26.9	25.4	26.3	24.7	24.1	18.9	24.4	19.6	24.5	17.6	21.9	19.6	24.5	20.2	25.2	25.3	21.6	22.8	25	
30			18.2	24.1	19.6	24.5	20.9	24.7	18.7	24.3	17.6	24.0	21.3	24.9	20.7	24.8	18.0	24.2	20.4	24.1	14.3	23.1	15.0	23.2	15.3	22.2	14.9	23.2	16.5	15.4	23.3	19.3	23.9	30	
35																																			35
40																																			40
45																																			45
50																																			50
55																																			55
60																																			60
65																																			65
70																																			70
75																																			75
80																																			80
85																																			85
90																																			90

Telescoping sequence %

		Telescoping sequence %																1.7		19.2		90			
Tel.1	0	50	0	0	50	100	0	50	100	0	50	100	0	50	100	0	50	100	0	50	100	0	50	100	Tel.1
Tel.2	0	0	50	33	50	0	50	50	100	67	100	100	50	100	100	100	100	100	100	100	100	100	100	100	Tel.2
Tel.3	0	0	0	33	0	0	50	50	50	0	67	25	50	100	50	100	100	100	100	100	100	100	100	100	Tel.3
Tel.4	0	0	0	33	0	0	50	50	50	0	67	25	50	100	50	100	100	100	100	100	100	100	100	100	Tel.4

01-15-2004

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

FAIR														Load rating chart ATF-500XL-1 Serial-No.: 40610																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Working Radius (ft)	Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom for rigging counterweight Counterweight 4,409 lbs On outriggers, 360° working area																								Working Radius (ft)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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	29.5	50.2	60.4	29.5	50.2	60.4	29.5	50.2	60.4	29.5	50.2	60.4	29.5	50.2	60.4	29.5	50.2	60.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

01-15-2004

99707789086

FAIR Outrigger reaction force chart ATF-500XL-1													
Working Radius (ft)	Outrigger reaction force F in ton (US) Lifting capacities m in 1,000 lbs according per SAE J765 on telescopic boom for rigging counterweight, load rating chart 99707789086 Counterweight 4,409 lbs On outriggers, 360° working area												Working Radius (ft)
	Outrigger base 20.67 ft						Outrigger base 14.11 ft						
	Boom length (ft)						Boom length (ft)						
	29.5		50.2		60.4		29.5		50.2		60.4		
	m	F	m	F	m	F	m	F	m	F	m	F	
10	88.5	38.7	34.0	19.0			88.5	22.0	34.0	10.4			10
12	73.5	36.4	34.0	20.6	34.0	20.5	69.4	19.9	34.0	11.4	34.0	11.4	12
14	62.2	34.7	34.0	22.1	34.0	22.0	46.9	16.0	34.0	12.4	34.0	12.4	14
16	54.0	33.5	34.0	23.7	34.0	23.5	35.2	14.1	34.0	13.5	34.0	13.4	16
18	46.8	32.0	34.0	25.2	34.0	25.1	28.4	13.0	29.7	13.1	29.9	13.1	18
20	39.9	30.4	33.8	26.7	33.8	26.5	22.6	12.0	24.5	12.3	25.0	12.4	20
25			28.5	27.0	28.5	26.9			16.4	11.0	16.8	11.1	25
30			20.9	24.7	21.3	24.9			11.6	10.2	12.0	10.3	30
35			16.2	23.5	16.5	23.5			8.5	9.8	9.0	9.8	35
40			12.8	22.5	13.2	22.5			6.4	9.4	6.9	9.6	40
45					10.8	21.9					5.4	9.4	45
50					9.0	21.5					4.1	9.2	50
Telescoping sequence %													
Tel. 1	0		0		0		0		0		0		Tel. 1
Tel. 2	0		33		50		0		33		50		Tel. 2
Tel. 3	0		33		50		0		33		50		Tel. 3
Tel. 4	0		33		50		0		33		50		Tel. 4

The chart shows the maximum existing outrigger reaction forces
in the worst condition, dynamic influences are not being taken into account.

01-15-2004

TADANO Load rating chart ATF-500XL-1 Serial-No.: 40610										
Working Radius (ft)	Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom Counterweight 18,739 lbs On tire, over rear								Working Radius (ft)	
	Boom length (ft)									
	29.5			50.2			60.4			
	° ∠	Over rear **		° ∠	Over rear **		° ∠	Over rear **		
10	61	36.0		74	27.0				10	
12	56	29.4		71	26.0		75	26.0	12	
14	51	23.2		69	24.3		73	24.5	14	
16	45	18.3		66	20.3		70	20.6	16	
18	38	15.2		64	16.9		69	17.2	18	
20	30	12.5		61	14.0		67	14.2	20	
25				54	9.8		61	10.0	25	
30				46	7.1		55	7.3	30	
35				37	5.6		49	5.8	35	
40				25	4.5		42	4.7	40	
45							34	3.7	45	
50							21	3.0	50	
Telescoping sequence %										
Tel. 1	0			0			0			Tel. 1
Tel. 2	0			33			50			Tel. 2
Tel. 3	0			33			50			Tel. 3
Tel. 4	0			33			50			Tel. 4
Code	216			216			216			Code

** Superstructure swing lock pin engaged.

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

01-15-2004

99707789035

FAIR Tireload reaction force chart ATF-500XL-1												
Working Radius (ft)	Tireload reaction force F in ton (US) Lifting capacities m in 1,000 lbs according per SAE J765 on telescopic boom, load rating chart 99707789035 Counterweight 18,739 lbs On tire, over rear											Working Radius (ft)
	Boom length (ft)											
	29.5			50.2			60.4					
	Over rear			Over rear			Over rear					
	m	F		m	F		m	F				
10	36.0	14.0		27.0	11.6							10
12	29.4	13.2		26.0	12.1		26.0	12.1				12
14	23.2	12.2		24.3	12.3		24.5	12.3				14
16	18.3	11.5		20.3	11.8		20.6	11.8				16
18	15.2	11.0		16.9	11.3		17.2	11.3				18
20	12.5	10.6		14.0	10.8		14.2	10.8				20
25				9.8	10.2		10.0	10.2				25
30				7.1	9.9		7.3	9.9				30
35				5.6	9.9		5.8	9.9				35
40				4.5	9.9		4.7	9.9				40
45							3.7	9.9				45
50							3.0	9.9				50
Telescoping sequence %												
Tel. 1	0			0			0			Tel. 1		
Tel. 2	0			33			50			Tel. 2		
Tel. 3	0			33			50			Tel. 3		
Tel. 4	0			33			50			Tel. 4		

The chart shows the maximum existing tireload reaction forces in the worst condition, dynamic influences are not being taken into account.

01-15-2004

TADANO Load rating chart ATF-500XL-1 Serial-No.: 40610

Working Radius (ft)	Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom Counterweight 7,716 lbs On tire, over rear										Working Radius (ft)
	Boom length (ft)										
	29.5			50.2			60.4				
	° ∠	Over rear **		° ∠	Over rear **		° ∠	Over rear **			
10	61	36.3		74	27.0					10	
12	56	23.4		71	23.0		75	24.6		12	
14	51	17.5		69	18.5		73	18.7		14	
16	45	13.7		66	14.4		70	14.6		16	
18	38	11.2		64	11.8		69	12.1		18	
20	30	9.0		61	9.7		67	9.9		20	
25				54	6.3		61	6.5		25	
30				46	4.3		55	4.5		30	
35				37	3.2		49	3.4		35	
40				25	2.1		42	2.4		40	
45							34	1.9		45	
50							21	1.4		50	
Telescoping sequence %											
Tel. 1	0			0			0			Tel. 1	
Tel. 2	0			33			50			Tel. 2	
Tel. 3	0			33			50			Tel. 3	
Tel. 4	0			33			50			Tel. 4	
Code	266			266			266			Code	

** Superstructure swing lock pin engaged.

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

01-15-2004

99707789036

FAUN Tireload reaction force chart ATF-500XL-1												
Working Radius (ft)	Tireload reaction force F in ton (US) Lifting capacities m in 1,000 lbs according per SAE J765 on telescopic boom, load rating chart 99707789036 Counterweight 7,716 lbs On tire, over rear											Working Radius (ft)
	Boom length (ft)											
	29.5			50.2			60.4					
	Over rear			Over rear			Over rear					
	m	F		m	F		m	F				
10	36.3	13.8		27.0	11.4					10		
12	23.4	11.4		23.0	11.1			24.6	11.5		12	
14	17.5	10.5		18.5	10.5			18.7	10.5		14	
16	13.7	9.9		14.4	9.8			14.6	9.8		16	
18	11.2	9.5		11.8	9.4			12.1	9.4		18	
20	9.0	9.2		9.7	9.1			9.9	9.1		20	
25				6.3	8.6			6.5	8.6		25	
30				4.3	8.4			4.5	8.4		30	
35				3.2	8.4			3.4	8.4		35	
40				2.1	8.3			2.4	8.4		40	
45								1.9	8.5		45	
50								1.4	8.6		50	
Telescoping sequence %												
Tel. 1	0			0			0			Tel. 1		
Tel. 2	0			33			50			Tel. 2		
Tel. 3	0			33			50			Tel. 3		
Tel. 4	0			33			50			Tel. 4		

The chart shows the maximum existing tireload reaction forces in the worst condition, dynamic influences are not being taken into account.

01-15-2004

TADANO Load rating chart ATF-500XL-1 Serial-No.: 40610											
Working Radius (ft)	Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom Counterweight 4,409 lbs On tire, over rear / 360°										Working Radius (ft)
	Boom length (ft)										
	29.5			50.2			60.4				
	°	Over rear **	360°	°	Over rear **	360°	°	Over rear **	360°		
	∠			∠			∠				
10	61	29.3	24.9	74	26.8	26.1				10	
12	56	21.1	18.9	71	21.5	20.8	75	22.0	21.1	12	
14	51	15.8	14.2	69	16.9	15.9	73	17.2	16.3	14	
16	45	12.1	11.1	66	13.1	12.5	70	13.4	12.9	16	
18	38	9.9	9.0	64	10.7	10.3	69	11.1	10.6	18	
20	30	7.9	7.1	61	8.8	8.4	67	9.0	8.6	20	
25				54	5.9	5.3	61	6.1	5.7	25	
30				46	3.7	3.4	55	3.9	3.6	30	
35				37	2.5	2.0	49	2.7	2.2	35	
40				25	1.6		42	1.8	1.2	40	
45							34	1.3		45	
Telescoping sequence %											
Tel. 1	0			0			0			Tel. 1	
Tel. 2	0			33			50			Tel. 2	
Tel. 3	0			33			50			Tel. 3	
Tel. 4	0			33			50			Tel. 4	
Code	256	253	256	253	256	253	256	253	Code		

** Superstructure swing lock pin engaged.

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

01-15-2004

99707789037

FAIR Tireload reaction force chart ATF-500XL-1													
Working Radius (ft)	Tireload reaction force F in ton (US) Lifting capacities m in 1,000 lbs according per SAE J765 on telescopic boom, load rating chart 99707789037 Counterweight 4,409 lbs On tire, over rear / 360°												Working Radius (ft)
	Boom length (ft)												
	29.5				50.2				60.4				
	Over rear		360°		Over rear		360°		Over rear		360°		
	m	F	m	F	m	F	m	F	m	F	m	F	
10	29.3	12.1	24.9	16.4	26.8	11.2	26.1	16.3					10
12	21.1	10.8	18.9	15.4	21.5	10.7	20.8	15.7	22.0	10.5	21.1	15.7	12
14	15.8	9.9	14.2	14.3	16.9	10.0	15.9	14.5	17.2	10.1	16.3	14.6	14
16	12.1	9.3	11.1	13.7	13.1	9.4	12.5	13.8	13.4	9.5	12.9	13.9	16
18	9.9	9.0	9.0	13.3	10.7	9.0	10.3	13.4	11.1	9.1	10.6	13.4	18
20	7.9	8.7	7.1	12.9	8.8	8.8	8.4	13.0	9.0	8.8	8.6	12.9	20
25					5.9	8.4	5.3	12.4	6.1	8.4	5.7	12.5	25
30					3.7	8.1	3.4	12.2	3.9	8.1	3.6	12.1	30
35					2.5	8.0	2.0	12.0	2.7	8.0	2.2	11.9	35
40					1.6	8.0			1.8	8.0	1.2	11.9	40
45									1.3	8.0			45
Telescoping sequence %													
Tel. 1	0				0				0				Tel. 1
Tel. 2	0				33				50				Tel. 2
Tel. 3	0				33				50				Tel. 3
Tel. 4	0				33				50				Tel. 4

The chart shows the maximum existing tireload reaction forces in the worst condition, dynamic influences are not being taken into account.

01-15-2004

TADANO

Working Radius (ft)		Load rating chart ATF-500XL-1												Serial-No.: 40610	
		Lifting capacities in 1,000 lbs according per SAE J765, on fly jib 28.5 ft / 49.9 ft													
		Counterweight 18,730 lbs													
		On outrigger 360° working area													
		Outrigger base 20.67 ft													
		Boom length													
		20.6 ft to 101.4 ft				101.4 ft to 111.5 ft				29.5 ft to 111.5 ft					
		Fly jib 28.5 ft offset				Fly jib 28.5 ft offset				Fly jib 49.9 ft offset					
		5°	20°	40°	5°	20°	40°	5°	20°	40°	5°	20°	40°		
25	79	14.6	79	15.1	79	15.1	79	15.1	79	15.1	79	15.1	79	25	
30	75	13.6	75	14.5	75	14.5	75	14.5	75	14.5	75	14.5	75	30	
35	75	12.2	75	13.7	75	13.7	75	13.7	75	13.7	75	13.7	75	35	
40	73	10.6	73	12.7	73	12.7	73	12.7	73	12.7	73	12.7	73	40	
45	70	9.4	73	11.3	73	11.3	73	11.3	73	11.3	73	11.3	73	45	
50	69	8.4	71	10.1	71	10.1	71	10.1	71	10.1	71	10.1	71	50	
55	66	7.8	68	9.2	68	9.2	68	9.2	68	9.2	68	9.2	68	55	
60	63	6.8	66	8.6	66	8.6	66	8.6	66	8.6	66	8.6	66	60	
65	60	6.1	63	8.1	63	8.1	63	8.1	63	8.1	63	8.1	63	65	
70	58	5.7	60	7.7	60	7.7	60	7.7	60	7.7	60	7.7	60	70	
75	55	5.2	57	7.3	57	7.3	57	7.3	57	7.3	57	7.3	57	75	
80	52	4.7	54	6.9	54	6.9	54	6.9	54	6.9	54	6.9	54	80	
85	49	4.3	51	6.5	51	6.5	51	6.5	51	6.5	51	6.5	51	85	
90	46	4.0	48	6.1	48	6.1	48	6.1	48	6.1	48	6.1	48	90	
95	43	3.6	45	5.7	45	5.7	45	5.7	45	5.7	45	5.7	45	95	
100	39	3.1	41	5.2	41	5.2	41	5.2	41	5.2	41	5.2	41	100	
110	29	2.2	31	4.2	31	4.2	31	4.2	31	4.2	31	4.2	31	110	
120	18	1.2	18	3.2	18	3.2	18	3.2	18	3.2	18	3.2	18	120	
130														130	
		Telescoping sequence %													
Tel. 1		50	100	100	100	100	100	100	100	100	100	100	100	Tel. 1	
Tel. 2		100	100	100	100	100	100	100	100	100	100	100	100	Tel. 2	
Tel. 3		100	100	100	100	100	100	100	100	100	100	100	100	Tel. 3	
Tel. 4		100	100	100	100	100	100	100	100	100	100	100	100	Tel. 4	
Code	410	411	412	510	511	512	510	511	512	510	511	512	510	611	612
		Code													

01-15-2004

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

99707789038

TADANO

Outrigger reaction force chart ATF-500XL-1

Outrigger reaction force F in ton (US)

Lifting capacities m in 1,000 lbs according per SAE J765, on fly jib 28.5 ft / 49.9 ft, load rating chart 99707789038

Counterweight 18,739 lbs

On outriggers, 360° working area

Outrigger base 20.67 ft

Outrigger base 20.67 ft																	Working Radius (ft)		
29.5 ft to 101.4 ft					29.5 ft to 101.4 ft					101.4 ft to 111.5 ft					29.5 ft to 111.5 ft				
Fly jib 28.5 ft offset					Fly jib 28.5 ft offset					Fly jib 28.5 ft offset					Fly jib 49.9 ft offset				
5°		20°		40°		5°		20°		40°		5°		20°		40°			
m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F		
25	14.6	18.0				15.1	18.7					13.7	19.8						
30	13.6	19.2				14.5	20.4					12.9	21.0						
35	12.2	19.9	10.5	17.9		13.7	21.8	10.5	18.4										
40	10.5	20.2	9.7	18.8	7.1	15.7	22.9	9.7	19.4	7.1	16.1	11.4	22.0	9.2	20.4	6.9	17.2		
45	9.4	20.7	9.1	19.7	6.9	16.8	23.3	9.1	20.3	6.9	17.3	10.1	22.4	8.7	21.3	6.6	18.3		
50	8.4	21.1	8.3	20.4	6.6	17.8	23.8	8.6	21.4	6.6	18.4	9.0	22.8	8.0	22.1	6.4	19.4		
55	7.6	21.5	7.6	20.9	6.4	18.8	24.4	8.1	22.4	6.4	19.5	8.1	23.2	7.3	22.6	6.3	20.6		
60	6.8	21.9	6.9	21.5	6.1	19.8	25.0	7.7	23.3	6.1	20.6	7.3	23.7	6.6	23.0	6.1	21.7		
65	6.1	22.2	6.3	21.8	6.0	20.9	25.6	7.3	24.3	6.0	21.7	6.6	24.2	6.1	24.1	5.9	22.7		
70	5.7	22.8	5.8	22.4	5.7	21.8	26.3	6.9	25.1	5.9	22.9	6.1	24.7	5.6	24.6	5.6	23.5		
75	5.2	23.1	5.3	22.9	5.3	22.4	27.0	6.2	25.2	5.7	24.1	5.6	25.0	5.1	24.8	4.9	24.9		
80	4.7	23.4	4.9	23.3	4.9	22.8	27.7	5.4	25.7	5.4	24.8	5.0	26.0	4.6	24.8	4.1	24.7		
85	4.3	23.8	4.5	23.8	4.5	23.4	28.4	4.3	26.3	4.7	25.4	4.3	26.3	4.1	25.4	3.7	25.4		
90	4.0	24.2	4.1	24.1	4.1	23.8	29.1	4.1	26.9	4.4	26.0	4.0	26.9	3.9	26.0	3.4	26.0		
95	3.6	24.5	3.7	24.3	3.8	24.2	29.8	3.7	27.5	4.1	26.6	3.6	27.5	3.6	26.6	3.3	26.6		
100	3.1	24.5	3.2	24.4	3.3	24.4	30.5	3.0	28.1	3.2	27.1	3.2	28.1	3.2	27.1	3.2	27.1		
110	2.2	24.3	2.2	24.1	2.1	24.0	31.2	2.5	28.7	2.5	27.7	2.4	29.1	2.6	27.7	2.7	28.1		
120	1.2	23.7	1.2	23.6			31.9	1.4	29.3	1.4	28.3	1.5	29.7	1.6	28.3	1.6	28.3		
130							32.6												
Telescoping sequence %																			
Tel. 1		50				100				100				100					
Tel. 2		100				100				100				100					
Tel. 3		100				75				100				100					
Tel. 4		100				75				100				100					

01-15-2004

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

TADANO

Load rating chart ATF-500XL-1

Serial-No.: 40610

Lifting capacities in 1,000 lbs according per SAE J765, on fly jib 28.5 ft / 49.9 ft
Counterweight 18,739 lbs
On outriggers, 360° working area
Outrigger base 14.11 ft

Working Radius (ft)	Boom length												Working Radius (ft)
	29.5 ft to 101.4 ft				101.4 ft to 111.5 ft				29.5 ft to 111.5 ft				
	Fly jlb 28.5 ft offset				Fly jlb 28.5 ft offset				Fly jlb 49.9 ft offset				
	5°	20°	40°	5°	20°	40°	5°	20°	40°	5°	20°	40°	
25	79	14.6	—	79	15.1	—	79	13.7	—	79	13.7	—	25
30	78	13.6	—	78	14.5	—	77	12.9	—	76	6.9	—	30
35	75	12.2	78	75	13.7	78	10.5	77	12.9	75	6.8	—	35
40	73	10.5	76	73	11.9	76	9.7	75	11.4	77	9.7	—	40
45	70	9.3	73	70	9.6	73	9.1	72	9.6	75	9.2	—	45
50	69	8.2	71	69	8.7	70	8.8	70	7.9	73	8.2	—	50
55	66	7.0	68	66	7.7	68	8.0	68	6.4	71	6.9	73	55
60	63	5.8	66	63	6.2	66	6.8	67	5.1	69	5.7	71	60
65	60	4.8	63	60	5.1	63	5.5	66	4.1	66	4.6	68	65
70	58	3.9	60	58	4.0	60	4.4	65	3.1	63	3.7	66	70
75	55	3.1	57	55	3.1	57	3.6	63	2.6	61	2.9	63	75
80	52	2.5	54	52	2.4	54	2.8	60	1.9	58	2.3	60	80
85	49	2.0	51	49	1.7	51	2.2	57	1.4	55	1.7	58	85
90	46	1.5	48	46	1.2	48	1.6	53	1.2	53	1.2	54	90
95	43	1.1	45	43	1.3	46	1.1	50	—	—	—	—	95
100	—	—	—	—	—	—	—	—	—	—	—	—	100
110	—	—	—	—	—	—	—	—	—	—	—	—	110
Telescoping sequence %													
Tel.1	50	—	—	100	—	—	—	—	—	—	—	—	Tel.1
Tel.2	100	—	—	100	—	—	—	—	—	—	—	—	Tel.2
Tel.3	100	—	—	75	—	—	—	—	—	—	—	—	Tel.3
Tel.4	100	—	—	75	—	—	—	—	—	—	—	—	Tel.4
Code	413	414	415	513	514	515	513	514	515	513	514	515	Code

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

01-15-2004

99707789039

Outrigger reaction force chart ATF-500XL-1

Lifting capacities in 1,000 lbs according per SAE J765, on fly jib 28.5 ft / 49.9 ft, load rating chart 99707789039
 Counterweight 18,739 lbs
 On outriggers, 360° working area
 Outrigger base 14.11 ft

Working Radius (ft)		Boom length												Working Radius (ft)			
		29.5 ft to 101.4 ft				101.4 ft to 111.5 ft				29.5 ft to 111.5 ft							
		Fly jlb 28.5 ft offset				Fly jlb 28.5 ft offset				Fly jlb 49.9 ft offset							
	5°	20°	40°		5°	20°	40°		5°	20°	40°		5°	20°	40°		
	m	F	m	F	m	F	m	F	m	F	m	F	m	F	m	F	
25	14.6	19.5			15.1	20.4											
30	13.6	21.2			14.5	22.7											
35	12.2	22.3	10.5	19.6	13.7	24.6	10.5	20.2									
40	10.5	22.7	9.7	20.9	11.9	25.2	9.7	21.6	7.1	17.5							
45	9.3	23.2	9.1	22.1	9.6	24.6	9.1	22.9	6.9	19.0							
50	8.2	23.6	8.3	23.0	7.7	24.0	8.0	23.6	6.6	20.5							
55	7.0	23.6	7.3	23.4	6.4	21.1	6.2	23.6	6.4	22.0							
60	5.8	23.3	6.2	23.3	6.1	22.3	5.0	23.3	6.0	23.1							
65	4.8	23.1	5.1	23.0	5.5	22.9	4.0	23.0	4.4	23.0							
70	3.9	22.8	4.2	22.8	4.6	22.8	3.1	22.8	3.6	22.8							
75	3.1	22.6	3.5	22.6	3.8	22.6	2.4	22.6	2.8	22.7							
80	2.5	22.5	2.8	22.5	3.0	22.5	1.7	22.4	2.2	22.6							
85	2.0	22.5	2.2	22.4	2.5	22.4	1.2	22.4	1.6	22.5							
90	1.5	22.4	1.7	22.3	1.9	22.3			1.1	22.5							
95	1.1	22.4	1.3	22.3	1.3	22.1											
100																	
110																	
Telescoping sequence %																	
Tel. 1	50				100				100				100				Tel. 1
Tel. 2	100				100				100				100				Tel. 2
Tel. 3	100				75				100				100				Tel. 3
Tel. 4	100				75				100				100				Tel. 4

01-15-2004

The chart shows the maximum existing outrigger reaction forces in the worst condition, dynamic influences are not being taken into account.

