PREMIER CRANES AND RIGGING

#TeamLifting

MAXIMUM CAPACITY
25t

MAXIMUM BOOM LENGTH
18.4m

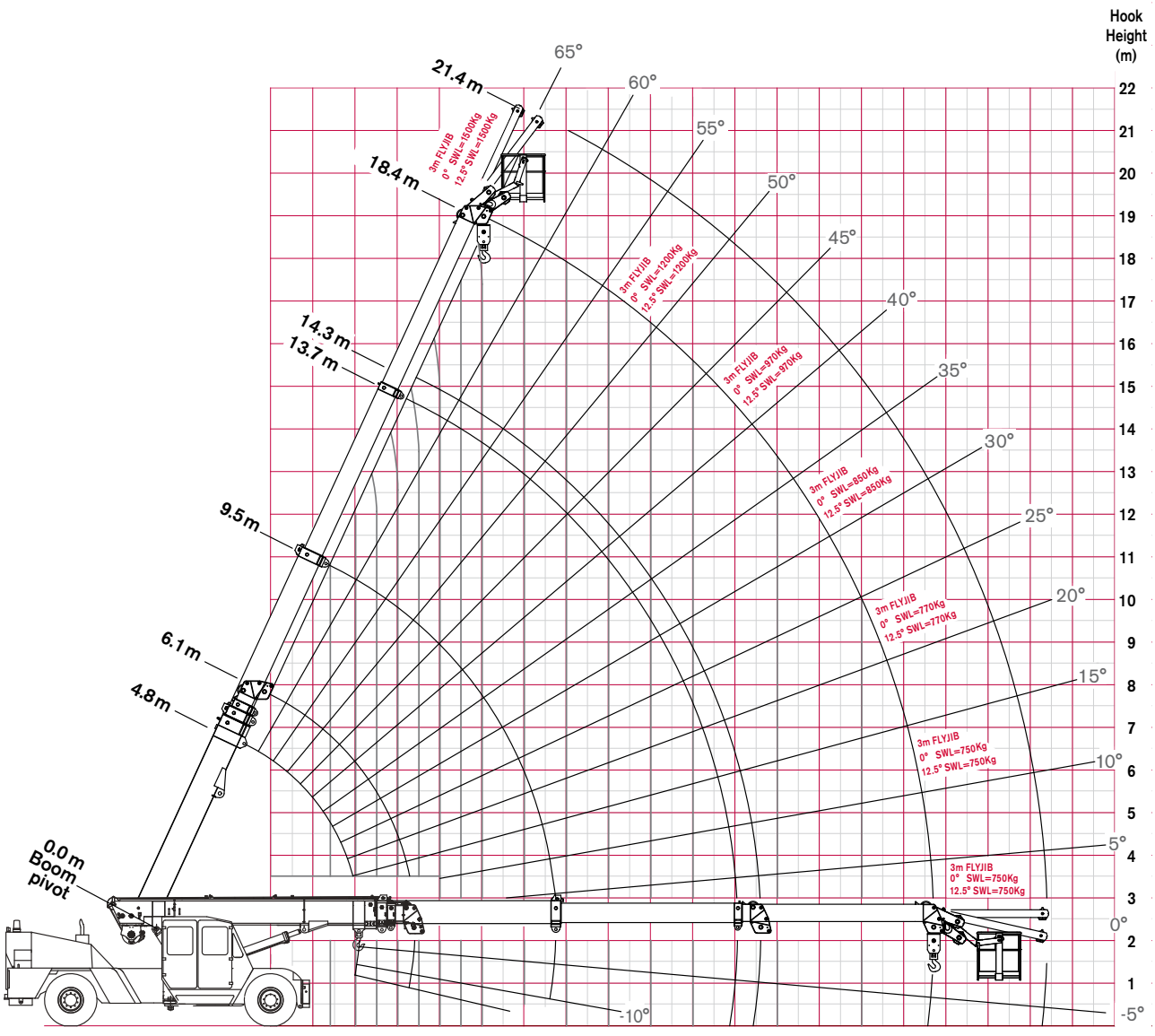
TEREX FRANNA MAC25

Technical Datasheet

WWW.PREMIERCRANES.COM.AU

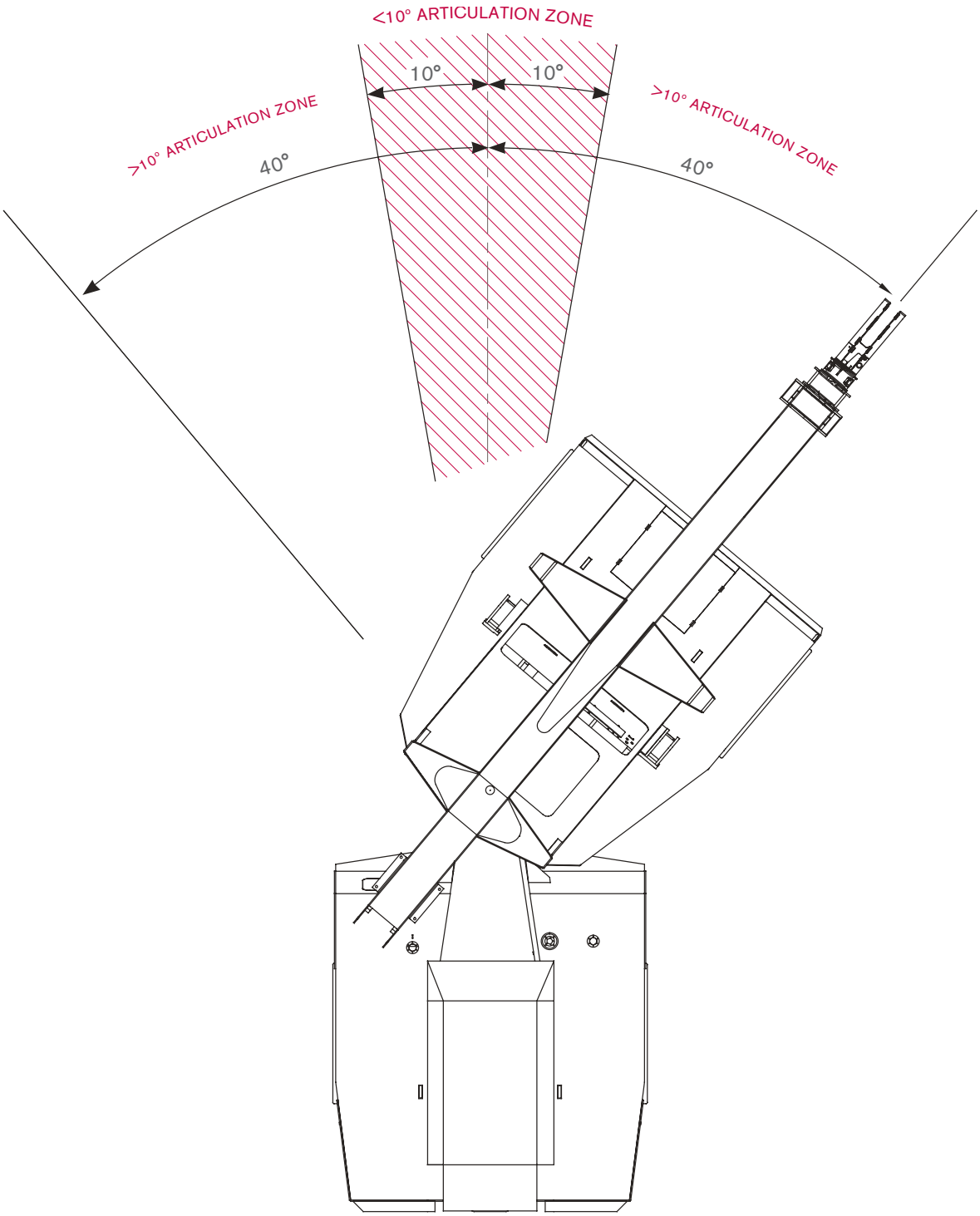
RADIUS LOAD CHART

Pick & Carry 0.4 m/s (1.44 km/h); On rubber 66.6%



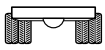
SWL (tonnes) 0° ARTIC	25	23	18.1	14.8	12.5	11.1	9.7	7.6	6.1	5.1	4.3	3.6	2.7	2.2	1.8
SWL (tonnes) 40° ARTIC	25	20	16.2	13.2	11.1	9.9	8.6	6.7	5.4	4.4	3.7	3.1	2.3	1.9	1.5

AREA OF OPERATION



LOAD CHART

Fallblock, Front Counterweight, 3rd Boom Retracted

 Pick & Carry 0.4 m/s (1.44 km/h); On rubber 66.6%

6.1–14.0 m

AS 1418.5

Boom Length (m)														
	6.1	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	11.0	12.0	13.0	14.0	
m	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	m
1.4	24000	23950	23950	23950	23900	23900	23550							1.4
	23450	23450	23400	23400	23400	23350	23350							
	49°	52°	56°	58°	61°	63°	65°							
2.0	20100	20050	20050	20000	19950	19950	19900	19850	19850					2.0
	18050	18000	17950	17900	17900	17850	17850	17800	17800					
	41°	45°	49°	52°	55°	58°	60°	62°	64°					
2.5	15800	15750	15750	15700	15700	15650	15650	15600	15600	15550				2.5
	15100	15100	15050	15050	15000	15000	14950	14950	14950	14900				
	14150	14100	14100	14050	14050	14000	14000	13950	13950	13900				
	33°	38°	43°	47°	51°	54°	56°	58°	60°	64°				
3.0	12900	12900	12850	12850	12850	12800	12800	12750	12750	12700	12700			3.0
	12350	12350	12300	12300	12300	12250	12250	12200	12200	12150	12150			
	11500	11500	11500	11450	11450	11450	11400	11400	11350	11350	11300			
	22°	30°	36°	41°	46°	49°	52°	54°	57°	60°	64°			
3.5	10850	10800	10800	10800	10800	10750	10750	10750	10700	10700	10650	10650		3.5
	10350	10350	10350	10350	10300	10300	10300	10250	10250	10200	10200	10200		
	9650	9650	9650	9600	9600	9600	9550	9550	9550	9500	9500	9100		
	(3.5)	19°	28°	35°	40°	44°	47°	50°	53°	57°	61°	63°		
4.0		9600	9250	9250	9250	9250	9250	9200	9200	9150	9150	9150	9100	4.0
		9200	8850	8850	8850	8850	8800	8800	8800	8750	8750	8700	8700	
		8550	8250	8250	8200	8200	8200	8200	8150	8150	8100	8050	8150	
		(3.9)	18°	27°	34°	39°	43°	46°	49°	54°	58°	61°	63°	
5.0			8300	7300	7100	7100	7100	7050	7050	7050	7000	7000	7000	5.0
			7950	6950	6750	6750	6750	6750	6750	6700	6700	6700	6650	
			7350	6450	6250	6250	6250	6250	6250	6200	6200	6200	6050	
			(4.4)	(4.9)	17°	26°	32°	37°	40°	46°	51°	55°	58°	
6.0					6450	5750	5650	5650	5650	5600	5600	5600	5600	6.0
					6150	5500	5350	5350	5350	5350	5350	5300	5300	
					5700	5050	4950	4950	4950	4950	4900	4900	4900	
					(5.4)	(5.9)	16°	24°	30°	38°	44°	49°	53°	
7.0							5200	4700	4600	4600	4600	4600	4550	7.0
							4950	4450	4350	4350	4350	4350	4350	
							4550	4100	4000	4000	4000	4000	3950	
							(6.4)	(6.9)	15°	29°	37°	42°	47°	
8.0									4250	3800	3800	3800	3800	8.0
									4050	3600	3600	3600	3600	
									3700	3300	3300	3300	3300	
									(7.4)	14°	27°	35°	41°	
9.0										3550	3200	3200	3200	9.0
										3350	3050	3050	3000	
										3050	2750	2750	2750	
										(8.4)	14°	26°	34°	
10											3000	2750	2750	10
											2850	2550	2550	
											2550	2300	2300	
											(9.4)	13°	25°	
11												2550	2350	11
												2400	2200	
												2150	1950	
												(10.4)	13°	
12													2200	12
													2050	
													1850	
													(11.4)	

RC (kg) at 0° articulation
RC (kg) at 25° articulation
RC (kg) at 40° articulation
Boom angle
( ) Radius at 0° boom angle
Loads above red line are structural

Notes to lifting capacity

Lifting capacities do not exceed 66.6% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult Rated Capacity Manual for further details.

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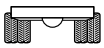
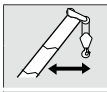
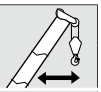
LOAD CHART

Fallblock, Front Counterweight, 3rd Boom Extending

 Pick & Carry 0.4 m/s (1.44 km/h);
On rubber 66.6%

15.0–18.42 m

AS 1418.5

	Boom Length (m)				
	15.0	16.0	17.0	18.4	
m	kg	kg	kg	kg	m
1.4					1.4
2.0					2.0
2.5					2.5
3.0					3.0
3.5					3.5
4.0					4.0
5.0	7050 6750 5800 61°	7150 6800 5500 63°	7250 6900 5350 65°		5.0
6.0	5650 5350 4850 56°	5700 5450 4700 59°	5800 5500 4550 61°	5900 5600 4350 64°	6.0
7.0	4600 4400 4050 51°	4700 4450 4050 54°	4800 4550 3950 57°	4850 4650 3800 60°	7.0
8.0	3850 3650 3350 45°	3950 3750 3450 49°	4000 3800 3450 52°	4100 3900 3350 56°	8.0
9.0	3250 3100 2800 39°	3350 3150 2900 44°	3400 3250 2950 47°	3500 3300 2950 52°	9.0
10	2800 2600 2400 33°	2850 2700 2450 38°	2950 2750 2500 42°	3000 2850 2600 47°	10
11	2400 2250 2000 24°	2500 2350 2100 32°	2550 2400 2150 37°	2650 2500 2250 43°	11
12	2050 1900 1700 12°	2150 2000 1800 24°	2200 2100 1850 31°	2300 2150 1950 38°	12
13	1950 1800 1600 (12.4)	1850 1750 1550 12°	1950 1800 1600 23°	2000 1900 1700 32°	13
14		1750 1450 (13.4)	1700 1400 12°	1800 1500 25°	14
15			1600 1300 (14.4)	1550 1300 17°	15
15.71				1400 1150 (15.8)	15.71

- RC (kg) at 0° articulation
- RC (kg) at 25° articulation
- RC (kg) at 40° articulation
- Boom angle
- ( ) Radius at 0° boom angle
- Loads above red line are structural

Notes to lifting capacity

Lifting capacities do not exceed 66.6% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult Rated Capacity Manual for further details.

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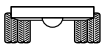
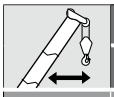
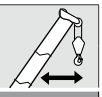
LOAD CHART

Fallblock, Rear Counterweight, Third Boom Retracted

 Pick & Carry 0.4 m/s (1.44 km/h); On rubber 66.6%

6.1–14.0 m

AS 1418.5

	Boom Length (m)													
	6.1	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	11.0	12.0	13.0	14.0	
m	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	m
1.4	25000	25000	25000	2500	24500	23950	23550							1.4
	24800	24800	24800	24750	24550	24000	23600							
	49°	52°	56°	58°	61°	63°	65°							
2.0	22950	22950	22900	22900	22850	22800	22800	22750	22750					2.0
	20550	20550	20500	20450	20450	20400	20350	20350	20300					
	41°	45°	49°	52°	55°	58°	60°	62°	64°					
2.5	18100	18100	18050	18000	18000	17950	17950	17900	17900	17850				2.5
	17300	17300	17250	17250	17200	17200	17150	17150	17150	17100				
	16150	16150	16100	16100	16050	16050	16000	16000	15950	15100				
	33°	38°	43°	47°	51°	54°	56°	58°	60°	64°				
3.0	14800	14800	14800	14800	14750	14750	14700	14700	14700	14650	14550			3.0
	14200	14150	14150	14150	14100	14100	14050	14050	14050	14000	13450			
	13200	13200	13200	13150	13150	13100	13100	13100	13050	12650	11450			
	22°	30°	36°	41°	46°	49°	52°	54°	57°	60°	64°			
3.5	12500	12450	12450	12450	12450	12400	12400	12400	12350	12350	12300	12300		3.5
	11950	11900	11900	11900	11900	11850	11850	11850	11800	11800	11750	11600		
	11100	11100	11100	11050	11050	11050	11000	11000	11000	10850	9900	9100		
	(3.5)	19°	28°	35°	40°	44°	47°	50°	53°	57°	61°	63°		
4.0		11100	10700	10700	10700	10700	10650	10650	10650	10600	10600	10600	10550	4.0
		10600	10200	10200	10200	10200	10200	10150	10150	10150	10100	10100	10100	
		9850	9500	9500	9500	9500	9450	9450	9450	9400	8750	8050	9400	
		(3.9)	18°	27°	34°	39°	43°	46°	49°	54°	58°	61°	63°	
5.0			9650	8500	8250	8250	8250	8250	8200	8200	8200	8150	8150	5.0
			9200	8100	7850	7850	7850	7850	7850	7800	7800	7800	7750	
			8500	7500	7250	7250	7250	7250	7250	7250	7050	6500	6100	
			(4.4)	(4.9)	17°	26°	32°	37°	40°	46°	51°	55°	58°	
6.0					7550	6750	6600	6600	6600	6600	6550	6550	6550	6.0
					7200	6450	6250	6250	6250	6250	6250	6250	6200	
					6650	5950	5800	5800	5800	5800	5750	5450	5100	
					(5.4)	(5.9)	16°	24°	30°	38°	44°	49°	53°	
7.0							6100	5550	5400	5400	5400	5400	5400	7.0
							5800	5250	5150	5150	5150	5100	5100	
							5350	4850	4750	4750	4700	4700	4350	
							(6.4)	(6.9)	15°	29°	37°	42°	47°	
8.0									5050	4550	4550	4550	4550	8.0
									4800	4300	4300	4300	4300	
									4400	3950	3950	3950	3850	
									(7.4)	14°	27°	35°	41°	
9.0										4250	3850	3850	3850	9.0
										4000	3650	3650	3650	
										3650	3300	3300	3300	
										(8.4)	14°	26°	34°	
10											3600	3300	3300	10
											3400	3100	3100	
											3100	2800	2800	
											(9.4)	13°	25°	
11												3100	2850	11
												2950	2700	
												2650	2400	
												(10.4)	13°	
12													2700	12
													2550	
													2250	
													(11.4)	

- RC (kg) at 0° articulation
- RC (kg) at 25° articulation
- RC (kg) at 40° articulation
- Boom angle
- ( ) Radius at 0° boom angle
- Loads above red line are structural

Notes to lifting capacity

Lifting capacities do not exceed 66.6% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult Rated Capacity Manual for further details.

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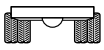
LOAD CHART

Fallblock, Rear Counterweight, Third Boom Extending

 Pick & Carry 0.4 m/s (1.44 km/h);
On rubber 66.6%

15.0–18.42 m

AS 1418.5

Boom Length (m)				
15.0	16.0	17.0	18.4	
m	kg	kg	kg	kg	m
1.4					1.4
2.0					2.0
2.5					2.5
3.0					3.0
3.5					3.5
4.0					4.0
5.0	8200	8300	8400		5.0
	7850	7900	7950		
	5800	5600	5400		
	61°	63°	65°		
6.0	6600	6700	6750	6850	6.0
	6300	6350	6450	6400	
	4850	4700	4550	4400	
	56°	59°	61°	64°	
7.0	5450	5550	5600	5700	7.0
	5150	5250	5350	5400	
	4200	4050	3950	3800	
	51°	54°	57°	60°	
8.0	4600	4650	4750	4800	8.0
	4350	4400	4500	4600	
	3650	3550	3450	3350	
	45°	49°	52°	56°	
9.0	3900	4000	4050	4150	9.0
	3700	3750	3850	3950	
	3250	3150	3050	2950	
	39°	44°	47°	52°	
10	3350	3450	3500	3600	10
	3150	3250	3300	3400	
	2900	2850	2750	2650	
	33°	38°	42°	47°	
11	2900	3000	3050	3150	11
	2750	2850	2900	3000	
	2500	2550	2500	2400	
	24°	32°	37°	43°	
12	2550	2650	2700	2800	12
	2400	2450	2550	2600	
	2150	2200	2300	2200	
	12°	24°	31°	38°	
13	2400	2300	2400	2450	13
	2250	2150	2250	2300	
	2000	1950	2000	2050	
	(12.4)	12°	23°	32°	
14		2200	2100	2200	14
		1850	1750	1850	
		(13.4)	12°	25°	
15			2000	1950	15
			1650	1650	
			(14.4)	17°	
15.71				1800	15.71
				1450	
				(15.8)	

- RC (kg) at 0° articulation
- RC (kg) at 25° articulation
- RC (kg) at 40° articulation
- Boom angle
- ( ) Radius at 0° boom angle
- Loads above red line are structural

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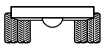
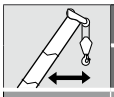
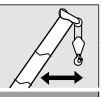
LOAD CHART

Fallblock, Rear Counterweight + Superlift Extra Counterweight, Third Boom Retracted

 Pick & Carry 0.4 m/s (1.44 km/h); On rubber 66.6%

6.1–14.0 m

AS 1418.5

	Boom Length (m)													
	6.1	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	11.0	12.0	13.0	14.0	
m	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	m
1.4	25000	25000	25000	25000	24500	23950	23550							1.4
	25000	25000	25000	25000	24550	24000	23600							
	49°	52°	56°	58°	61°	63°	65°							
2.0	23350	23300	23300	23300	23250	23250	23250	23250	23200					2.0
	22550	22500	22500	22500	22450	22450	22450	22400	22400					
	41°	45°	49°	52°	55°	58°	60°	62°	64°					
2.5	21500	21500	21450	21450	21400	21400	21350	21350	21300	19100				2.5
	20550	20500	20500	20450	20450	20400	20400	20350	20350	17750				
	19100	19050	19050	19000	19000	18950	18950	18900	17950	15900				
	33°	38°	43°	47°	51°	54°	56°	58°	60°	64°				
3.0	17650	17650	17650	17600	17600	17600	17550	17550	17500	17500	14550			3.0
	16850	16850	16850	16800	16800	16750	16750	16750	16700	16350	13450			
	15650	15650	15650	15600	15600	15550	15550	15550	14900	13350	12100			
	22°	30°	36°	41°	46°	49°	52°	54°	57°	60°	64°			
3.5	14950	14900	14900	14900	14850	14850	14850	14800	14800	14800	13450	12600		3.5
	14250	14200	14200	14200	14200	14150	14150	14150	14100	14100	12450	11600		
	13200	13200	13200	13150	13150	13150	13100	13100	12750	11500	10500	9650		
	(3.5)	19°	28°	35°	40°	44°	47°	50°	53°	57°	61°	63°		
4.0		13300	12850	12850	12850	12800	12800	12800	12800	12750	12400	11600	11000	4.0
		12700	12250	12250	12200	12200	12200	12200	12150	12150	11650	10850	10200	
		11750	11350	11350	11300	11300	11300	11300	11150	10050	9250	8550	10050	
		(3.9)	18°	27°	34°	39°	43°	46°	49°	54°	58°	61°	63°	
5.0			11600	10250	9950	9950	9950	9950	9900	9900	9900	9850	9600	5.0
			11050	9750	9450	9450	9450	9450	9450	9400	9400	9400	9000	
			10200	9000	8750	8750	8750	8750	8700	8100	7450	6900	6450	
			(4.4)	(4.9)	17°	26°	32°	37°	40°	46°	51°	55°	58°	
6.0					9150	8200	8000	8000	8000	8000	8000	7950	7950	6.0
					8700	7800	7600	7600	7600	7600	7600	7550	7550	
					8000	7200	7000	7000	7000	6850	6250	5800	5400	
					(5.4)	(5.9)	16°	24°	30°	38°	44°	49°	53°	
7.0							7450	6800	6650	6650	6650	6600	6600	7.0
							7050	6450	6300	6300	6300	6250	6250	
							6500	5900	5800	5800	5400	5000	4650	
							(6.4)	(6.9)	15°	29°	37°	42°	47°	
8.0									6200	5600	5600	5600	5600	8.0
									5900	5300	5300	5300	5300	
									5400	4850	4850	4400	4100	
									(7.4)	14°	27°	35°	41°	
9.0										5250	4800	4800	4800	9.0
										5000	4550	4550	4550	
										4550	4150	4000	3650	
										(8.4)	14°	26°	34°	
10											4550	4150	4150	10
											4300	3900	3900	
											3900	3550	3350	
											(9.4)	13°	25°	
11												3950	3650	11
												3700	3400	
												3350	3050	
												(10.4)	13°	
12													3450	12
													3250	
													2900	
													(11.4)	

- RC (kg) at 0° articulation
- RC (kg) at 25° articulation
- RC (kg) at 40° articulation
- Boom angle
- ( ) Radius at 0° boom angle
- Loads above red line are structural

Notes to lifting capacity

Lifting capacities do not exceed 66.6% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult Rated Capacity Manual for further details.

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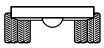
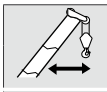
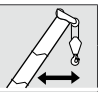
LOAD CHART

Fallblock, Rear Counterweight + Superlift Extra Counterweight, Third Boom Extending

 Pick & Carry 0.4 m/s (1.44 km/h);
On rubber 66.6%

15.0–18.42 m

AS 1418.5

	Boom Length (m)				
	15.0	16.0	17.0	18.4	
m	kg	kg	kg	kg	m
1.4					1.4
2.0					2.0
2.5					2.5
3.0					3.0
3.5					3.5
4.0					4.0
5.0	9200 8600 6150 61°	8950 8200 5950 63°	8700 7950 5750 65°		5.0
6.0	8000 7550 5200 56°	7800 7300 5000 59°	7600 7100 4850 61°	6950 6400 4650 64°	6.0
7.0	6650 6300 4450 51°	6750 6400 4300 54°	6800 6400 4200 57°	6400 5950 4050 60°	7.0
8.0	5650 5350 3900 45°	5750 5450 3800 49°	5800 5500 3700 52°	5900 5550 3550 56°	8.0
9.0	4850 4600 3500 39°	4950 4650 3350 44°	5000 4750 3300 47°	5100 4800 3150 52°	9.0
10	4200 4000 3150 33°	4300 4050 3050 38°	4350 4150 2950 42°	4450 4200 2850 47°	10
11	3700 3500 2900 24°	3800 3550 2800 32°	3850 3650 2700 37°	3950 3700 2600 43°	11
12	3250 3050 2650 12°	3350 3150 2550 24°	3400 3200 2500 31°	3500 3300 2350 38°	12
13	3100 2900 2600 (12.4)	2950 2800 2400 12°	3050 2850 2300 23°	3100 2950 2200 32°	13
14		2850 2400 (13.4)	2700 2150 12°	2800 2050 25°	14
15			2600 2200 (14.4)	2500 1900 17°	15
15.71				2300 1900 (15.8)	15.71

- RC (kg) at 0° articulation
- RC (kg) at 25° articulation
- RC (kg) at 40° articulation
- Boom angle
- ( ) Radius at 0° boom angle
- Loads above red line are structural

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