



TITAN
CRANES LIMITED

MAC 25-4 (SL)
25 tonne lifting capacity
Pick & Carry crane

MAC 25-4 (SL)



HIGHLIGHTS

MAC 25-4 (SL)

MAC 25-4

- ▶ 25.0 tonne at 1.4 m radius ·
- ▶ 14.8 tonne at 3.0 m radius ·
- ▶ 1.8 tonne at 15.7 m radius ·
- ▶ 18 m maximum hook height ·
- ▶ 25.0 tonne hook block capacity ·

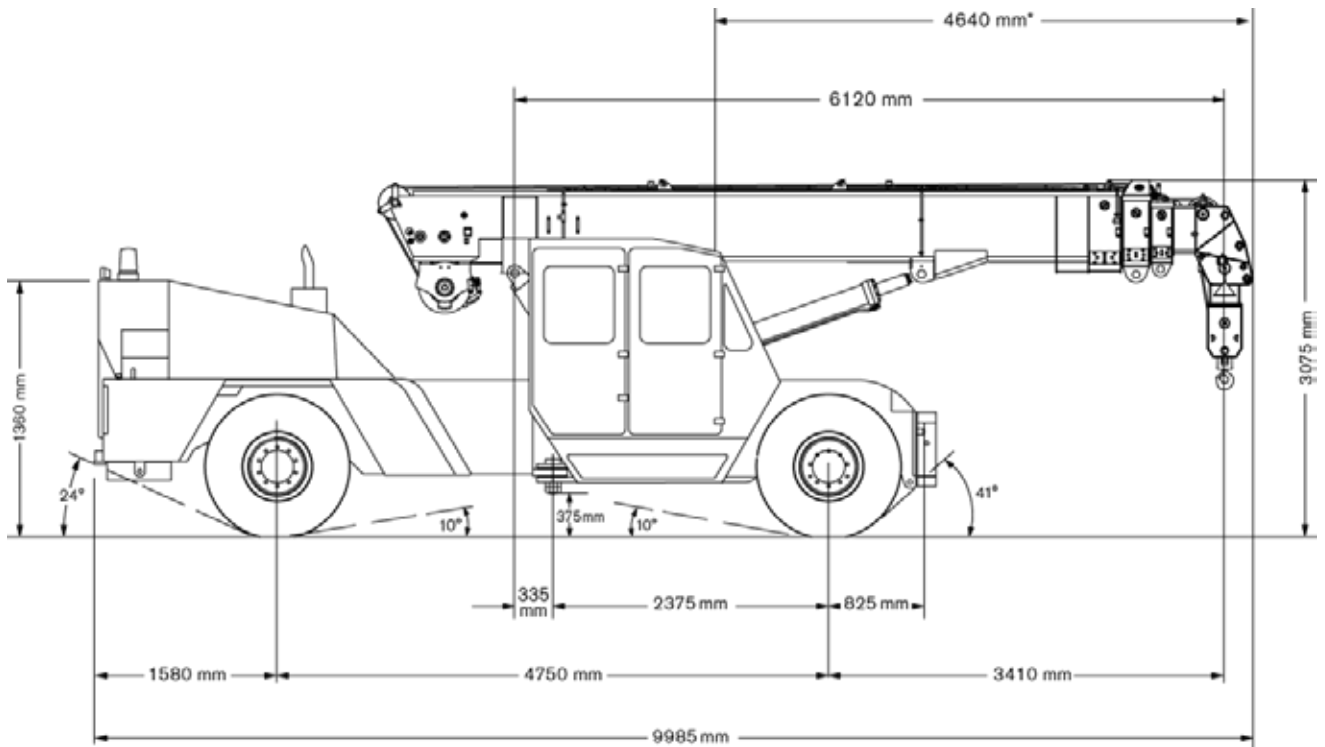
MAC 25-4 SL

- ▶ 25.0 tonne at 1.6 m radius ·
- ▶ 17.6 tonne at 3.0 m radius ·
- ▶ 2.3 tonne at 15.7 m radius ·
- ▶ 18 m maximum hook height ·
- ▶ 25.0 tonne hook block capacity ·




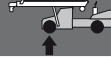
DIMENSIONS

MAC 25-4 (SL)



* Ref to centre of steering wheel ·

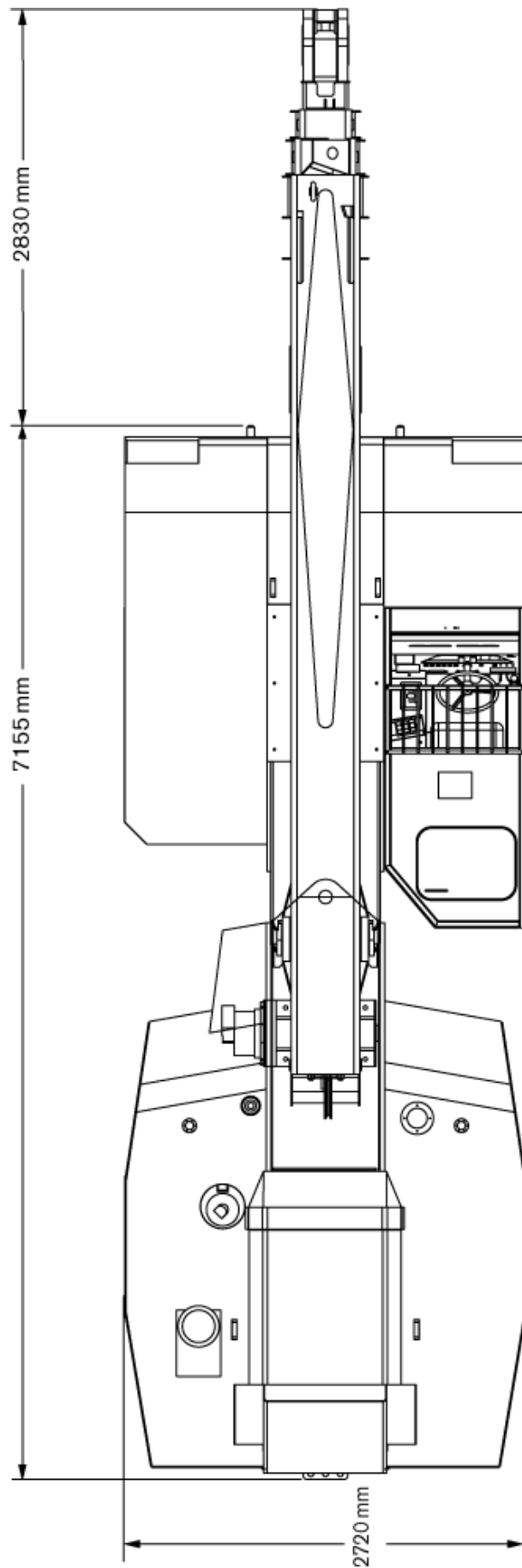
Axle loads ·

		
MAC 25-4**	13.9 tonne	10.0 tonne
MAC 25-4 SL**	16.7 tonne	9.5 tonne
Travel · (MAC 25-4 + MAC 25-4 SL)	12.0 tonne	11.9 tonne

** Configured for lifting ·

DIMENSIONS

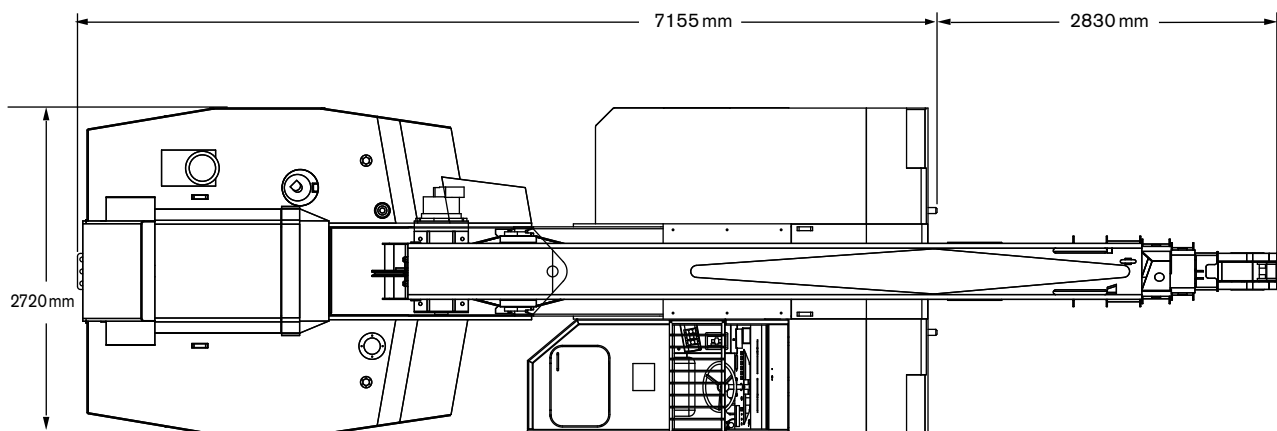
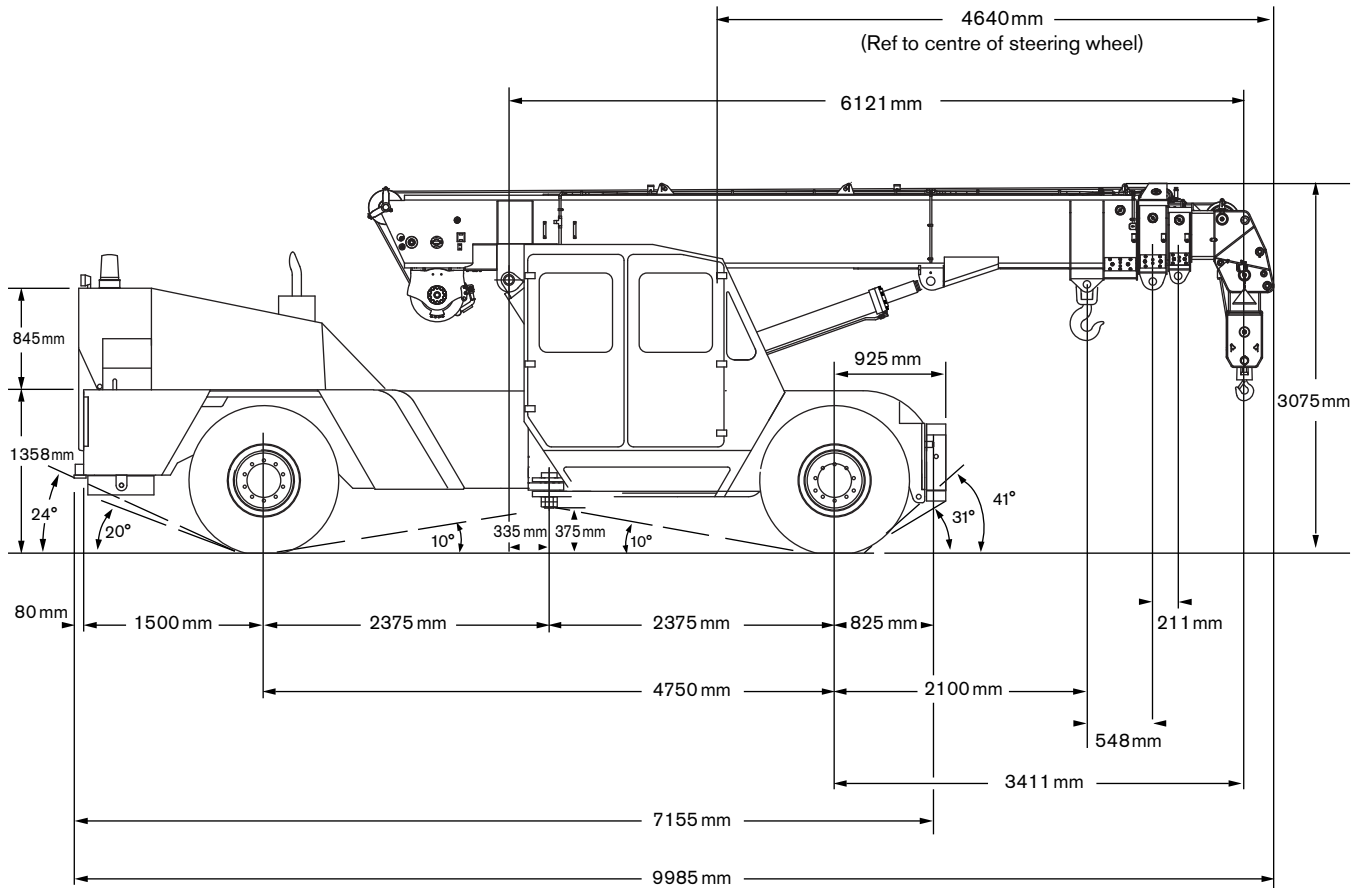
MAC 25-4 (SL)



DIMENSIONS

MAC 25-4

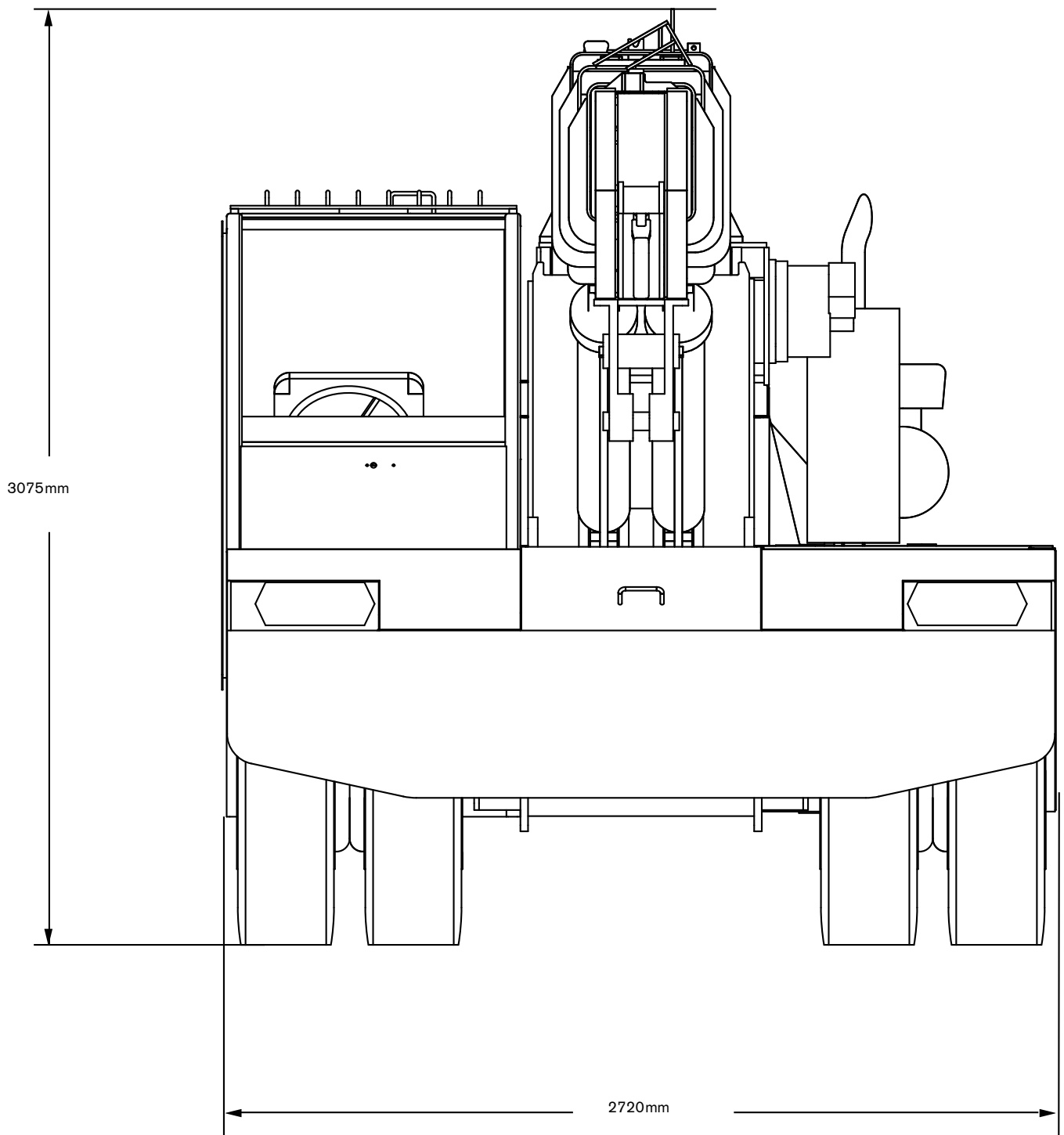
Crane Dimensions



DIMENSIONS


MAC 25-4

Crane Dimensions



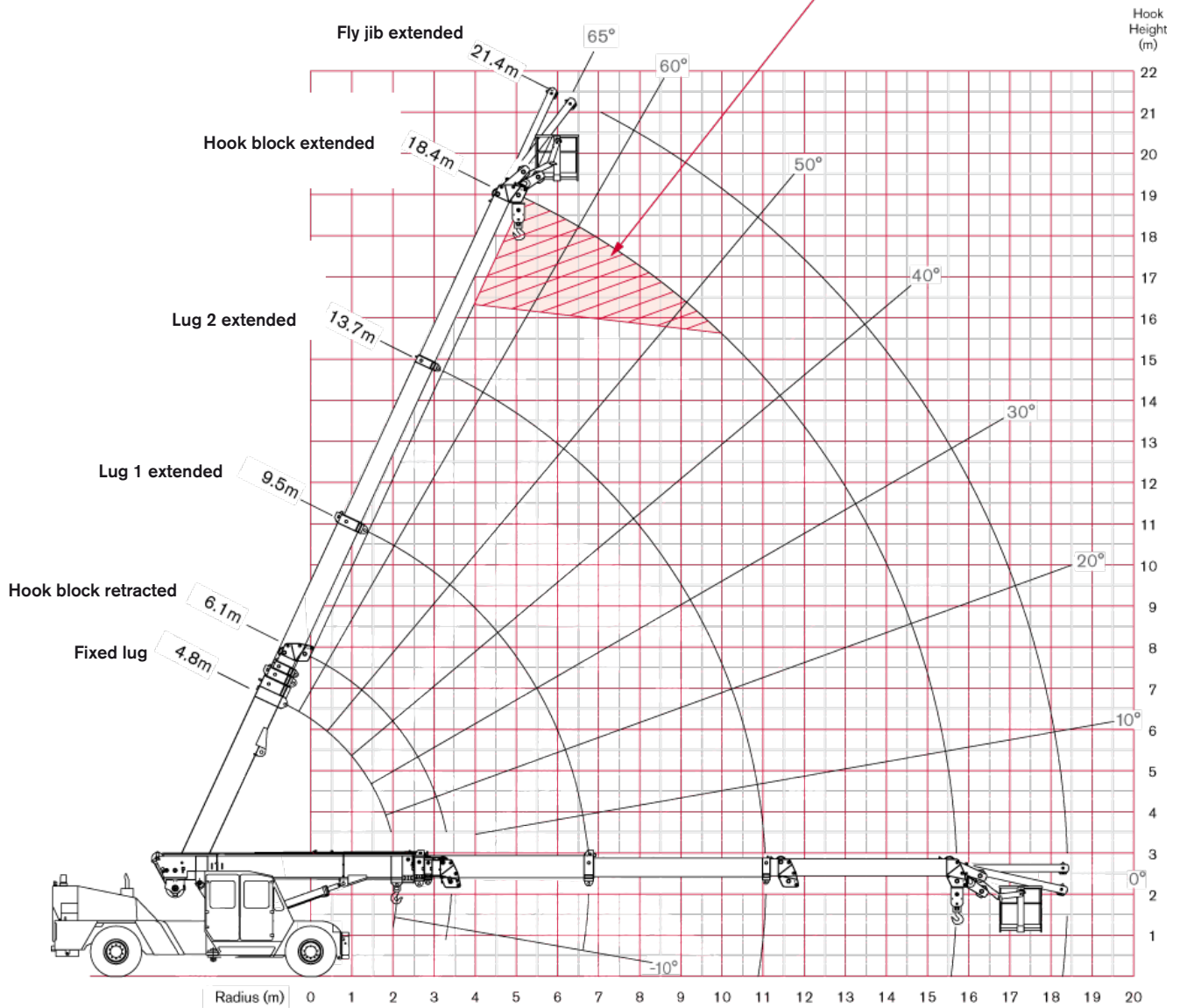
RANGE DIAGRAM

MAC 25-4 (SL)

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



Hook will not reach ground when boom head is in the region if the hook block is reeved on 6 parts¹⁾

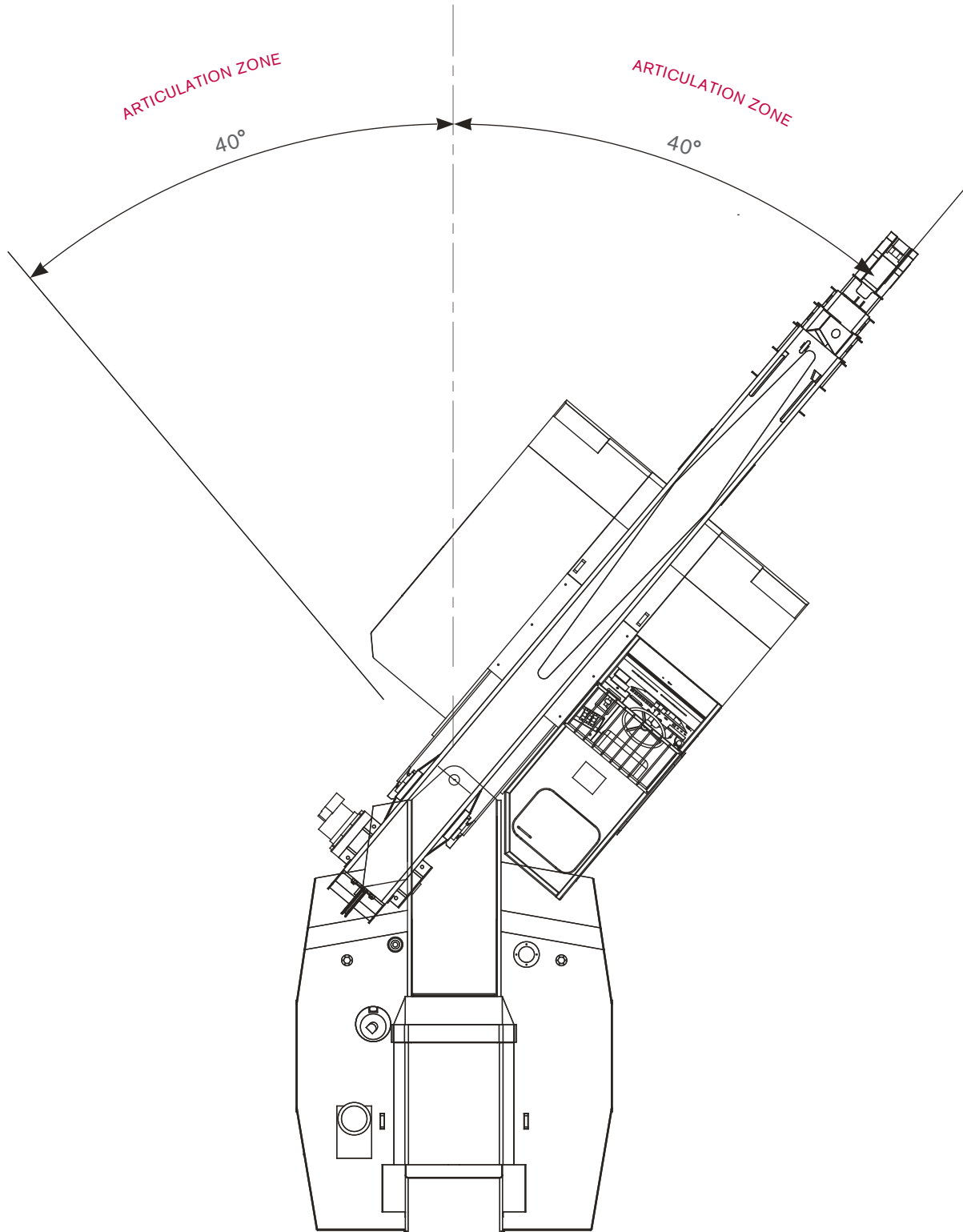


	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
MAC 25-4	25.0	14.8	8.5	5.7	3.6	2.4	1.8															
MAC 25-4 SL	25.0	17.6	9.9	6.8	4.4	3.1	2.3															

Rated Capacity (RC) at 0° articulation ·

AREA OF OPERATION

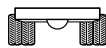
MAC 25-4



LOAD CHART

MAC 25-4

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	14900	14900					
		14150	14100	14100	14050	14050	14000	14000	13950	13950	13900					
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				
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			
4.0		(3.5)	19°	28°	35°	40°	44°	47°	50°	53°	57°	61°	63°		4.0	
		9600	9250	9250	9250	9250	9250	9250	9200	9200	9150	9150	9100	9100		
		9200	8850	8850	8850	8850	8850	8800	8800	8800	8750	8750	8700	8700		
5.0		8300	7300	7100	7100	7100	7100	7050	7050	7050	7000	7000	7000	7000	5.0	
		7950	6950	6750	6750	6750	6750	6750	6750	6750	6700	6700	6700	6650		
		7350	6450	6250	6250	6250	6250	6250	6250	6250	6200	6200	6200	6050		
6.0		(4.4)	(4.9)	17°	26°	32°	37°	40°	46°	51°	55°	58°		6.0		
		6450	5750	5650	5650	5650	5650	5650	5600	5600	5600	5600	5600			
		6150	5500	5350	5350	5350	5350	5350	5350	5350	5300	5300	5300			
7.0		(5.4)	(5.9)	16°	24°	30°	37°	43°	46°	49°	54°	58°	61°	63°	7.0	
		5700	5050	4950	4950	4950	4950	4950	4950	4950	4900	4900	4900	4900		
		5200	4700	4600	4600	4600	4600	4600	4600	4600	4600	4600	4550			
8.0		(6.4)	(6.9)	15°	24°	30°	37°	43°	46°	49°	54°	58°	61°	63°	8.0	
		4950	4450	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350		
		4550	4100	4000	4000	4000	4000	4000	4000	4000	4000	4000	3950			
9.0		(7.4)	14°	27°	35°	41°								9.0		
		4250	3800	3800	3800	3800	3800	3800	3800	3800	3800	3800	3800			
		4050	3600	3600	3600	3600	3600	3600	3600	3600	3600	3600	3600			
10		(8.4)	14°	26°	34°									10		
		3700	3300	3300	3300	3300	3300	3300	3300	3300	3300	3300	3300			
		3550	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200			
11		(9.4)	13°	25°										11		
		3050	2750	2750	2750	2750	2750	2750	2750	2750	2750	2750	2750			
		3000	2850	2850	2850	2850	2850	2850	2850	2850	2850	2850	2850			
12		(10.4)	13°											12		
		2550	2350	2350	2350	2350	2350	2350	2350	2350	2350	2350	2350			
		2400	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200			
	2150	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950			
	(11.4)	1850	1850	1850	1850	1850	1850	1850	1850	1850	1850	1850	1850			

- 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

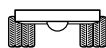
Lifting capacities do not exceed 66.6% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult Rated Capacity Manual for further details.

Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and Rated Capacity Manual both supplied with the crane.

LOAD CHART

MAC 25-4

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

m	Boom Length (m)				m
	15.0	16.0	17.0	18.4	
kg	kg	kg	kg	kg	
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

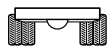
Notes to lifting capacity

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LOAD CHART

MAC 25-4

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		
m	kg	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					
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				
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			
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		
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		
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		
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		
8.0									5050	4550	4550	4550	4550		8.0
									4800	4300	4300	4300	4300		
									4400	3950	3950	3950	3850		
9.0										4250	3850	3850	3850		9.0
										4000	3650	3650	3650		
										3650	3300	3300	3300		
10											3600	3300	3300		10
											3400	3100	3100		
											3100	2800	2800		
11												3100	2850		11
												2950	2700		
												2650	2400		
12													2700		12
													2550		
													2250		
													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

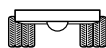
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LOAD CHART

MAC 25-4

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

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

MAC 25-4 (SL)

Hook block, rear counterweight + Superlift extra counterweight, third boom retracted -

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

 6.1 m – 14.0 m

AS 1418.5

m	(m)													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			
kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg		
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	12800	12750	12400	11600	11000		4.0	
	12700	12250	12250	12200	12200	12200	12200	12200	12150	12150	11650	10850	10200			
	11750	11350	11350	11300	11300	11300	11300	11300	11150	10050	9250	8550	7950			
	(3.9)	18°	27°	34°	39°	43°	46°	49°	54°	58°	61°	63°				
5.0		11600	10250	9950	9950	9950	9950	9900	9900	9900	9900	9850	9600		5.0	
		11050	9750	9450	9450	9450	9450	9450	9450	9400	9400	9400	9000			
		10200	9000	8750	8750	8750	8750	8700	8700	8100	7450	6900	6450			
	(4.4)	(4.9)	17°	26°	32°	37°	40°	46°	54°	57°	61°	63°				
6.0				9150	8200	8000	8000	8000	8000	8000	8000	7950	7950		6.0	
				8700	7800	7600	7600	7600	7600	7600	7600	7550	7550			
				8000	7200	7000	7000	7000	6850	6250	5800	5400	5000			
	(5.4)	(5.9)	16°	24°	30°	38°	44°	49°	54°	58°	61°	63°				
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




MAC 25-4 (SL)

Hook block, rear counterweight + Superlift extra counterweight, third boom extending -

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

 15.0 m – 18.42 m

AS 1418.5

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

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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Boom and Jib

	Four section boom: Main boom and three powered sections	
	Maximum hook height	18 m
	Boom elevation angle range (min. / max.)	-10° / 65°
	Maximum hook height with jib	22 m
	40° articulation each side of centre providing a total 80° slewing arc	80°
	Machinery hook	15 tonne


Winch

	Winch: Fully compensated hook height when telescoping boom 1 and 2 Anti two-block system	
	Maximum line pull	4.2 tonne
	Two speed winch	41 m/min / 82 m/min
	Hook block, two, four, or six part, maximum rated capacity	25 tonne

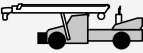
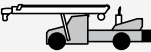
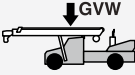

Engine and Transmission

	Mercedes OM 906 EUROMOT 3a turbo charged and intercooled diesel engine with hinged engine cover and mid cover for easy serviceability	205 kW
	Engine torque	1100 Nm
	Fuel capacity	440 l
	Fuel type	diesel
	Allison 3000	6-speed automatic
	Transfer Case: Styer VG 750 2:1 ratio High/low range via airshift 2WD/4WD via airshift, disconnect to rear axle	


Hydraulic System

	Hydraulic Pump: Load sensing axial piston Maximum pump flow rate Maximum working pressure	150 litre/min 250 bar
	Hydraulic tank with top mounted return and in-tank suction filters	380 l


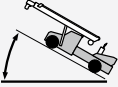
Chassis

	Drive axles: Kessler D71 PL477 heavy duty high speed planetary axle Front axle fitted with driver selectable diff lock and reinforced for pick and carry operation	
	Removable counterweight on front: Front axle Rear axle	11,900 kg 12,000 kg
	Removable counterweight on rear: Front axle Rear axle	9,900 kg 14,000 kg
	Total:	23,900 kg
	Full power Orbitrol with twin hydraulic double acting rams Priority flow from main pump supply plus electro-hydraulic emergency supply Turning Circle: Outside wheels radius	7.9 m
	Brakes: Air operated high capacity Large wedge style twin circuit service and spring applied park brakes on both front and rear axles Crane operation hold brake on right side front wheel Driver selectable engine exhaust brake is available in all gears - automatically selects converter lockup	
	Suspension: Two semi-elliptic springs on front and rear axle with automatic hydraulic spring lockouts on front axle	

Tyres

	14.00 x 20 bias ply duals 20 in x 10 in heavy duty ISO 10 stud 335 PCD spigot mount rims
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Vehicle performance

	Maximum rated travel speed	75 kph
	Gradeability	45%

Cab, Controls, and Operator aids

	Two person, insulated lock up cabin: <ul style="list-style-type: none">ISRI Suspension driver's and passenger seats, including retracting seat beltsColour LCD displayMP3 player with integrated GPS with Bluetooth handsfreeReversing cameraCentralised greasingCruise controlEngine monitoringService diagnostics
	Dynamic calculating rated capacity indicator with audio/visual overload pre-warning and motion cut-outs
	3 pilot control levers for crane functions
	Air conditioned and heated