



MAC 25-4 (SL)

25 tonne lifting capacity

Pick & Carry crane

Datasheet

metric

MAC 25-4 (SL)



WORKS FOR YOU.

	Page:
Key	3
Highlights	4
Dimensions	
Crane dimensions	5-7
Area of operation	8
Range diagram	9
Load Chart	
Hook block, rear counterweight, third boom retracted	10
Hook block, rear counterweight, third boom extending	11
Hook block, rear counterweight + Superlift extra counterweight, third boom retracted	12
Hook block, rear counterweight + Superlift extra counterweight, third boom extending	13
Technical Specifications	
Boom and Jib	14
Hoist	14
Engine and Transmission	14
Hydraulic System	15
Carrier	15
Tyres	16
Vehicle Performance	16
Cab, Controls and Operator aids	16

	Boom length		Speed
	Hook height		Slewing / Allowable range
	Boom with jib		Crane / Crane in standard configuration
	Telescoping mode		Gradeability
	Boom elevation angle		Gross vehicle weight
	Working radius		Weight on front axle
	Hook block		Weight on rear axle
	On rubber		Controls
	Main hoist		Cab
	Hoist speed		Air conditioning / cab heating
	Engine		Operator aids / Load limiter / Load indicator
	Transmission		Rope – Standard / Optional
	Hydraulics		Rope diameter
	Steering		Rope length
	Tyres		Max. line pull

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

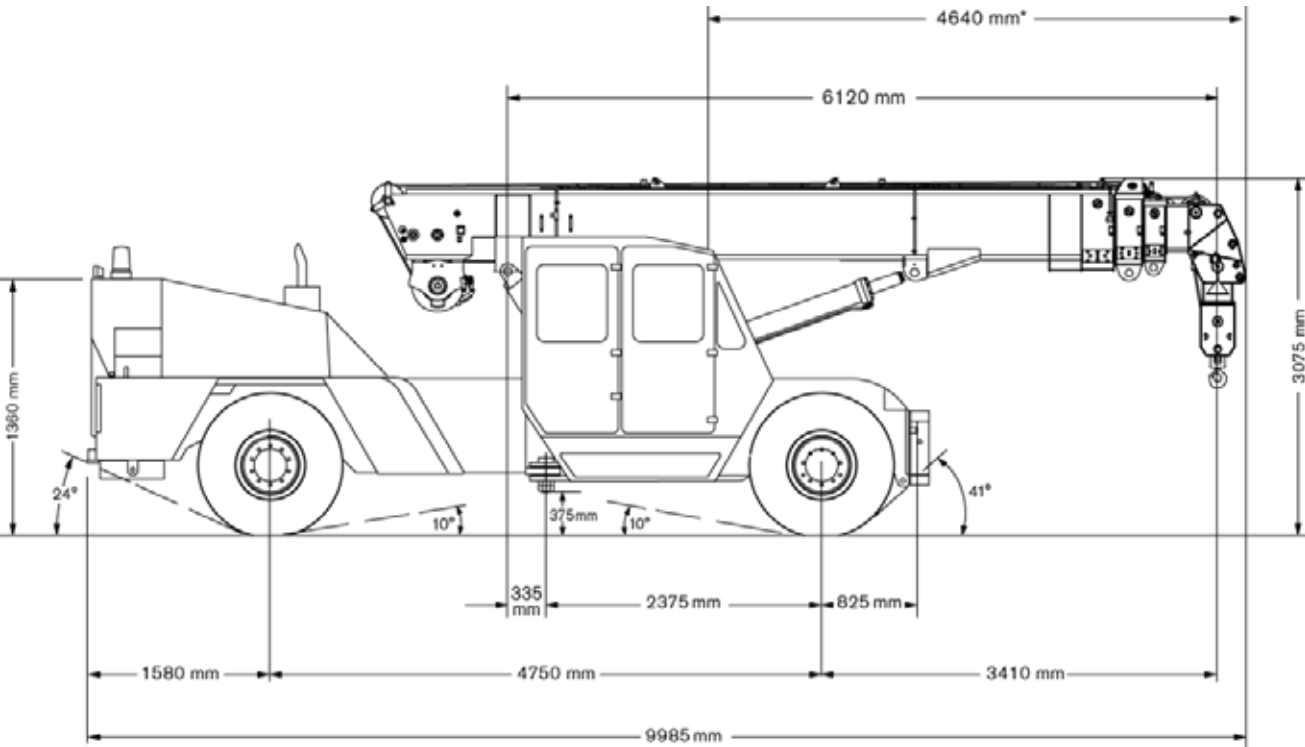
- ▶ 25.0 tonne at 1.6 m radius
- ▶ 17.6 tonne at 3.0 m radius
- ▶ 2.3 tonne at 15.7 m radius
- ▶ 18 m maximum hook height
- ▶ 25.0 tonne hook block capacity



DIMENSIONS

MAC 25-4 (SL)

Crane Dimensions



* Ref to centre of steering wheel

Axle loads

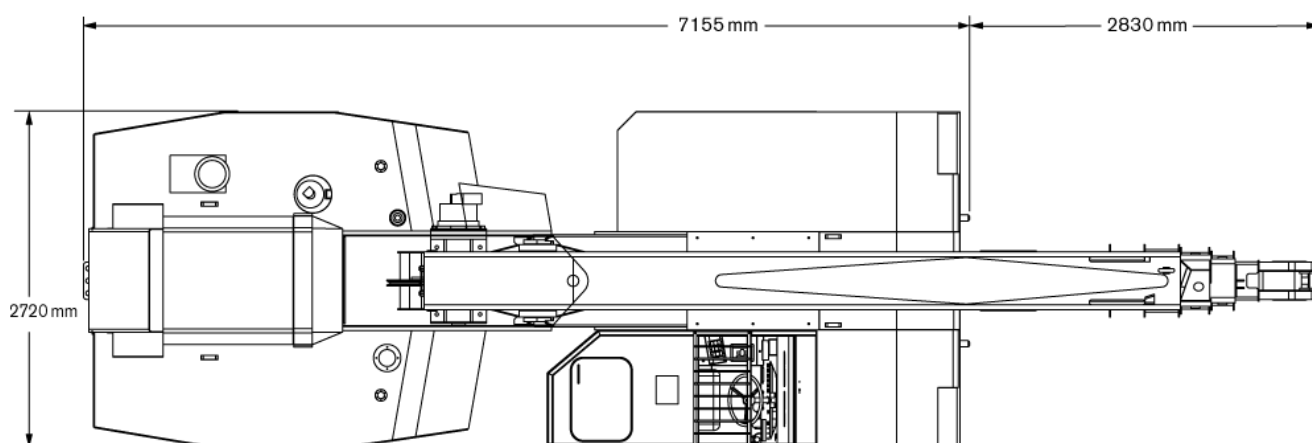
MAC 25-4**	13.9 tonne	10.0 tonne
MAC 25-4 SL**	16.7 tonne	9.5 tonne
Travel (MAC 25-4 + MAC 25-4 SL)	12.0 tonne	11.9 tonne

** Configured for lifting

DIMENSIONS

MAC 25-4 (SL)

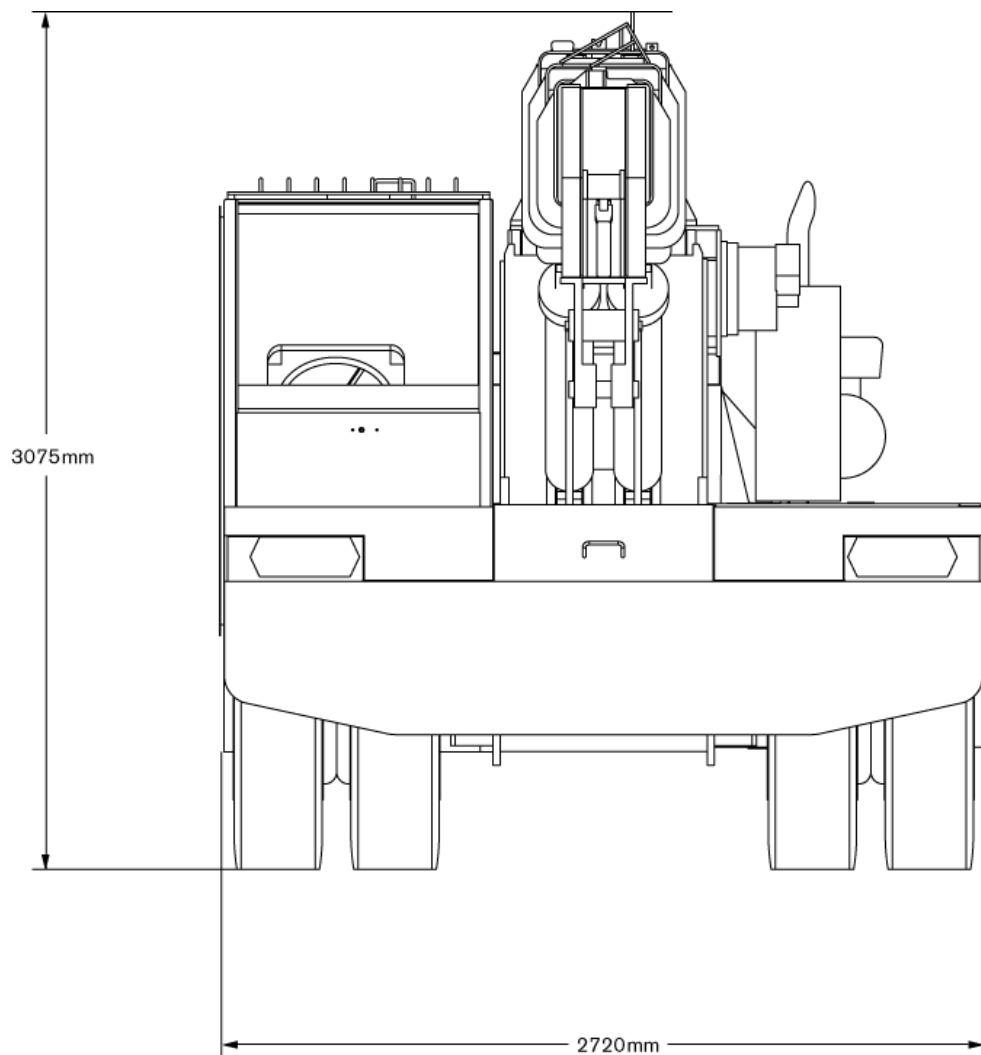
Crane Dimensions

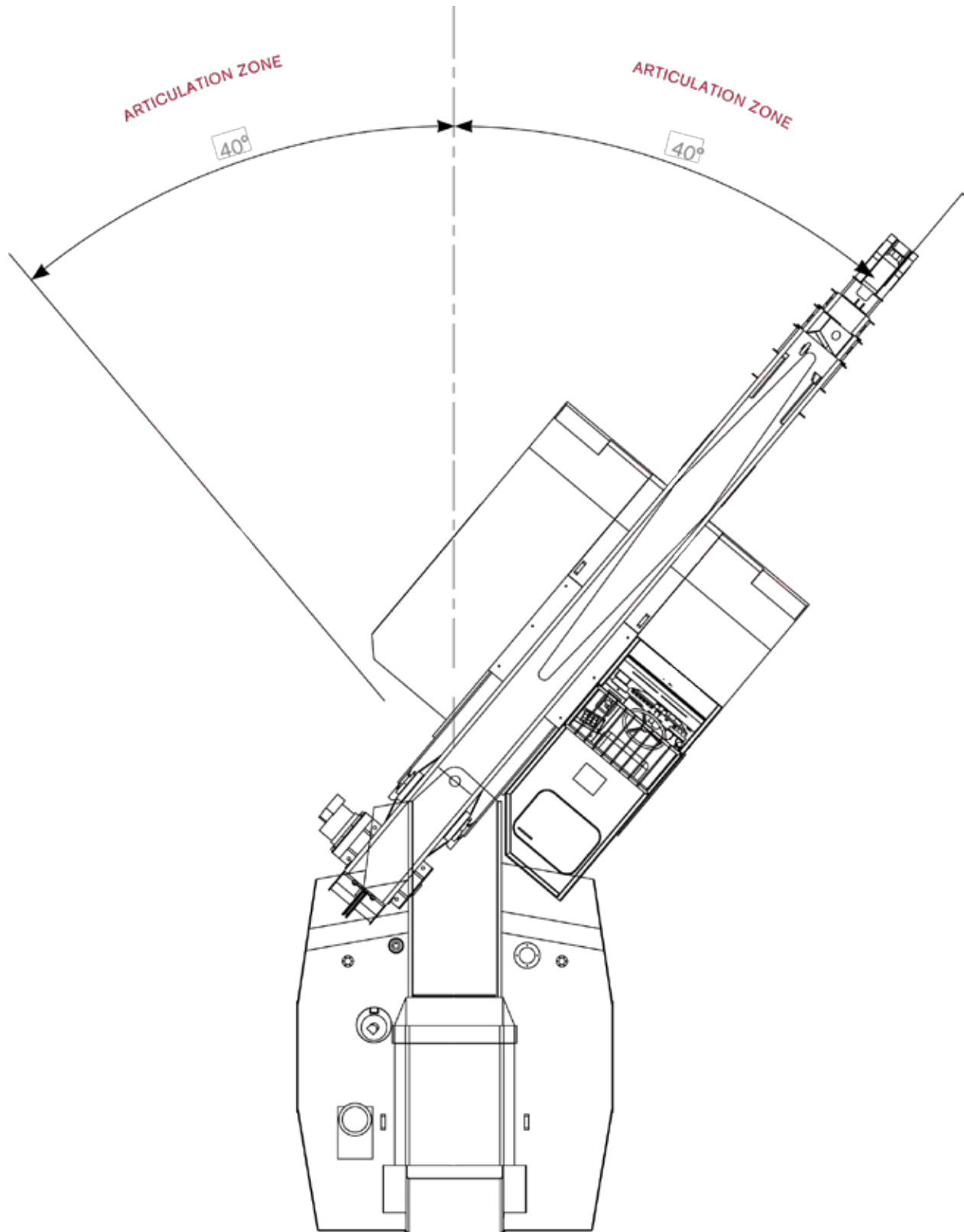


DIMENSIONS

MAC 25-4 (SL)


Crane Dimensions

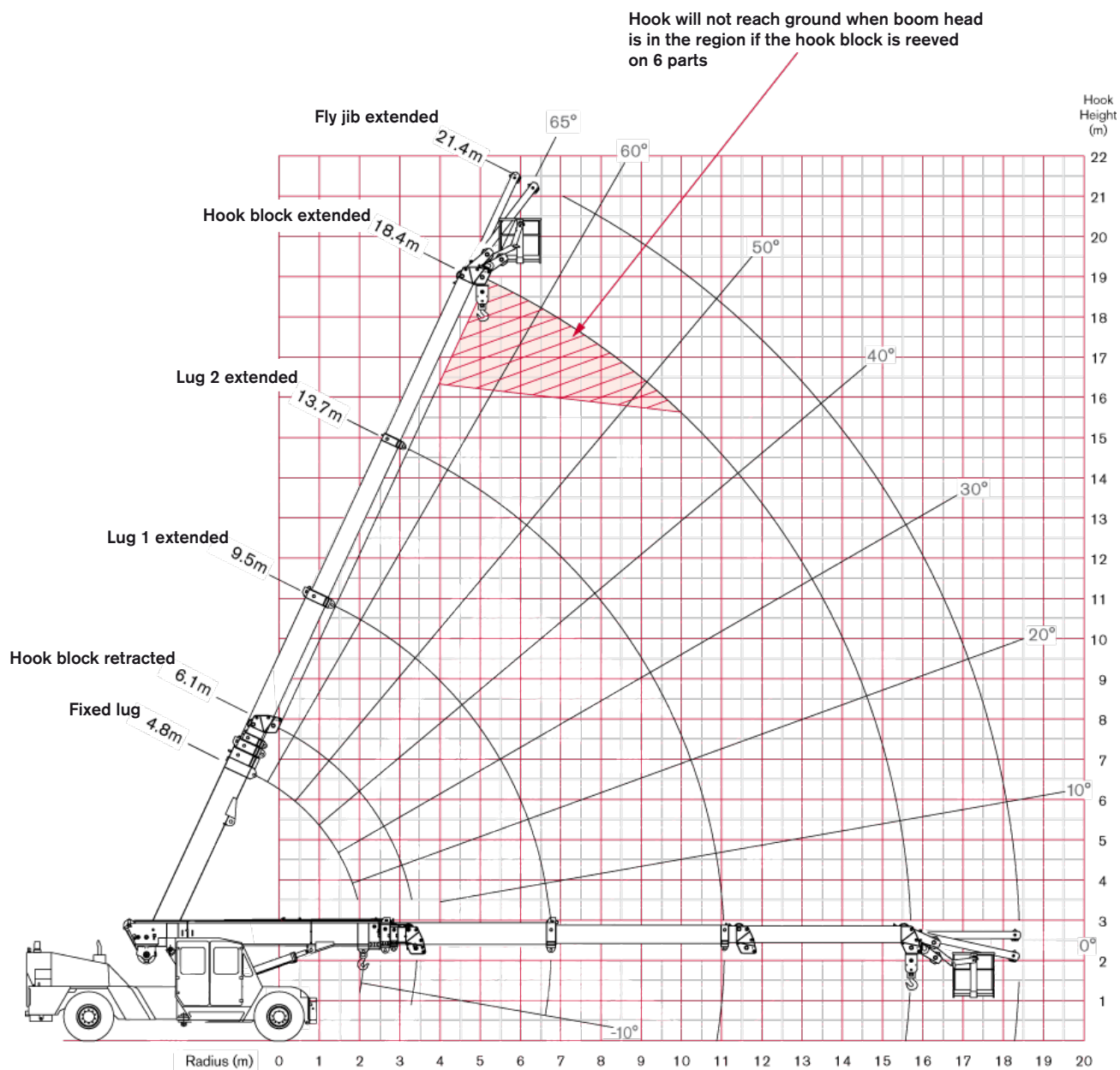




RANGE DIAGRAM

MAC 25-4 (SL)

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




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

LOAD CHART




MAC 25-4 (SL)

Hook block, rear counterweight, third boom retracted

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

 6.1 m – 14.0 m

AS 1418.5

	 (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				
3.0	33°	38°	43°	47°	51°	54°	56°	58°	60°	64°				3.0
	14800	14800	14800	14800	14750	14750	14700	14700	14700	14650	14550			
	14200	14150	14150	14150	14100	14100	14050	14050	14050	14000	13450			
3.5	13200	13200	13200	13150	13150	13100	13100	13050	13050	12650	11450			3.5
	22°	30°	36°	41°	46°	49°	52°	54°	57°	60°	64°			
	12500	12450	12450	12450	12450	12400	12400	12400	12350	12350	12300	12300		
4.0	11950	11900	11900	11900	11900	11850	11850	11850	11800	11800	11750	11600		4.0
	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°		
5.0		11100	10700	10700	10700	10700	10650	10650	10650	10600	10600	10600	10550	5.0
		10600	10200	10200	10200	10200	10200	10150	10150	10150	10100	10100	10100	
		9850	9500	9500	9500	9500	9450	9450	9450	9400	8750	8050	7500	
6.0		(3.9)	18°	27°	34°	39°	43°	46°	49°	54°	58°	61°	63°	6.0
			9650	8500	8250	8250	8250	8250	8200	8200	8200	8150	8150	
			9200	8100	7850	7850	7850	7850	7850	7800	7800	7800	7750	
7.0			8500	7500	7250	7250	7250	7250	7250	7250	7050	6500	6100	7.0
			(4.4)	(4.9)	17°	26°	32°	37°	40°	46°	51°	55°	58°	
					7550	6750	6600	6600	6600	6600	6550	6550	6550	
8.0					7200	6450	6250	6250	6250	6250	6250	6250	6200	8.0
					6650	5950	5800	5800	5800	5800	5750	5450	5100	
					(5.4)	(5.9)	16°	24°	30°	38°	44°	49°	53°	
9.0							6100	5550	5400	5400	5400	5400	5400	9.0
							5800	5250	5150	5150	5150	5100	5100	
							5350	4850	4750	4750	4700	4700	4350	
10.0							(6.4)	(6.9)	15°	29°	37°	42°	47°	10.0
									5050	4550	4550	4550	4550	
									4800	4300	4300	4300	4300	
11.0									4400	3950	3950	3950	3850	11.0
									(7.4)	14°	27°	35°	41°	
										4250	3850	3850	3850	
12.0										4000	3650	3650	3650	12.0
										3650	3300	3300	3300	
										(8.4)	14°	26°	34°	
13.0											3600	3300	3300	13.0
											3400	3100	3100	
											3100	2800	2800	
14.0											(9.4)	13°	25°	14.0
												3100	2850	
												2950	2700	
15.0												2650	2400	15.0
												(10.4)	13°	
													2700	
16.0													2550	16.0
													2250	
													(11.4)	

- RC (kg) at 0° articulation
- RC (kg) at 25° articulation
- RC (kg) at 40° articulation
- Boom elevation 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.


Note: 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 (SL)







Hook block, rear counterweight, third boom extending

Pick & Carry 0.4 m/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	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°	
			2000	1950	
15			1650	1650	15
			(14.4)	17°	
				1800	
				1450	
15.71				(15.8)	15.71

-  RC (kg) at 0° articulation
-  RC (kg) at 25° articulation
-  RC (kg) at 40° articulation
-  Boom elevation 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.


Note: 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 (SL)

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

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

 6.1 m – 14.0 m

AS 1418.5

	 (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				
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			
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		
4.0	(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	
		12700	12250	12250	12200	12200	12200	12200	12150	12150	11650	10850	10200	
5.0		11750	11350	11350	11300	11300	11300	11300	11150	10050	9250	8550	7950	5.0
		(3.9)	18°	27°	34°	39°	43°	46°	49°	54°	58°	61°	63°	
			11600	10250	9950	9950	9950	9950	9900	9900	9900	9850	9600	
6.0			11050	9750	9450	9450	9450	9450	9450	9400	9400	9400	9000	6.0
			10200	9000	8750	8750	8750	8750	8700	8100	7450	6900	6450	
			(4.4)	(4.9)	17°	26°	32°	37°	40°	46°	51°	55°	58°	
7.0					9150	8200	8000	8000	8000	8000	8000	7950	7950	7.0
					8700	7800	7600	7600	7600	7600	7600	7550	7550	
					8000	7200	7000	7000	7000	7000	6850	6250	5400	
8.0					(5.4)	(5.9)	16°	24°	30°	38°	44°	49°	53°	8.0
							7450	6800	6650	6650	6650	6600	6600	
							7050	6450	6300	6300	6300	6250	6250	
9.0							6500	5900	5800	5800	5400	5000	4650	9.0
							(6.4)	(6.9)	15°	29°	37°	42°	47°	
									6200	5600	5600	5600	5600	
10									5900	5300	5300	5300	5300	10
									5400	4850	4850	4400	4100	
									(7.4)	14°	27°	35°	41°	
11										5250	4800	4800	4800	11
										5000	4550	4550	4550	
										4550	4150	4000	3650	
12										(8.4)	14°	26°	34°	12
											4550	4150	4150	
											4300	3900	3900	
13											3900	3550	3350	13
											(9.4)	13°	25°	
												3950	3650	
14												3700	3400	14
												3350	3050	
												(10.4)	13°	
15													3450	15
													3250	
													2900	
16													(11.4)	16

- RC (kg) at 0° articulation
- RC (kg) at 25° articulation
- RC (kg) at 40° articulation
- Boom elevation 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.


Note: 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 (SL)







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

Pick & Carry 0.4 m/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	14
		2400	2150	2050	
		(13.4)	12°	25°	
15			2600	2500	15
			2200	1900	
			(14.4)	17°	
15.71				2300	15.71
				1900	
				(15.8)	

-  RC (kg) at 0° articulation
-  RC (kg) at 25° articulation
-  RC (kg) at 40° articulation
-  Boom elevation 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.

Note: 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.



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	20.5 m
	40° articulation each side of centre providing a total 80° slewing arc	80°
	Machinery hook	15 tonne

Hoist

	Hoist: Fully compensated hook height when telescoping boom 1 and 2 Anti two-block system	
	Maximum line pull	4.2 tonne
	Two speed hoist	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 tank capacity	440 l
	Fuel type	Diesel
	Allison 3000	6-speed automatic
	Transfer case: ZF 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

150 l/min

Maximum working pressure

250 bar

Hydraulic tank with top mounted return and in-tank suction filters

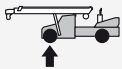
380 l

Carrier

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



MAC 25-4 & MAC 25-4 SL:

Highway travel:

Front axle

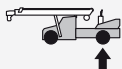
11 900 kg

Rear axle

12 000 kg

Total

23 900 kg



MAC 25-4:

Lifting configuration:

Front axle

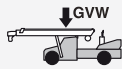
10 010 kg

Rear axle

13 890 kg

Total

23 900 kg



MAC 25-4 SL:

Lifting configuration:

Front axle

9 470 kg

Rear axle

16 590 kg

Total

26 060 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

Vehicle Performance



Maximum rated travel speed

75 kph



Gradeability

45 %

Cab, Controls and Operator aids



Two person, insulated lock up cabin:
ISRI suspension driver's and passenger seats, including retracting seat belts
Colour LCD display
MP3 player with integrated GPS with Bluetooth handsfree
Reversing camera
Centralised greasing
Cruise control
Engine monitoring
Service diagnostics



Rated capacity indicator – dynamically calculates rated capacity on slopes.
Provides audio/visual overload pre-warning and motion cut-outs



3 pilot control levers for crane functions



Air conditioned and heated

BRISBANE

585 Curtin Avenue East
Eagle Farm QLD 4009
AUSTRALIA

Ph: +61 7 3868 9600
Fax: +61 7 3268 2489

SYDNEY

114 Hassall Street
Wetherill Park NSW 2164
AUSTRALIA

Ph: +61 2 8786 4444
Fax: +61 2 8786 4455

MELBOURNE

187 Osborne Avenue
Clayton South VIC 3169
AUSTRALIA

Ph: +61 3 9551 8644
Fax: +61 3 9551 8143

PERTH

39 Catalano Road
Canning Vale WA 6155
AUSTRALIA

Ph: +61 8 9232 0000
Fax: +61 8 9232 0051

Effective Date: September 2015. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex® is a registered trademark of Terex Corporation in the USA and many other countries.

Copyright Terex Cranes 2015

Terex Cranes, Global Marketing, Dinglerstraße 24, 66482 Zweibrücken, Germany
Tel. +49 (0) 6332 830, Email: info.cranes@terex.com, www.terexcranes.com



www.terex.com/cranes

Brochure Reference: TC-DS-M-E- MAC 25-4 (SL) - 09/15



WORKS FOR YOU.