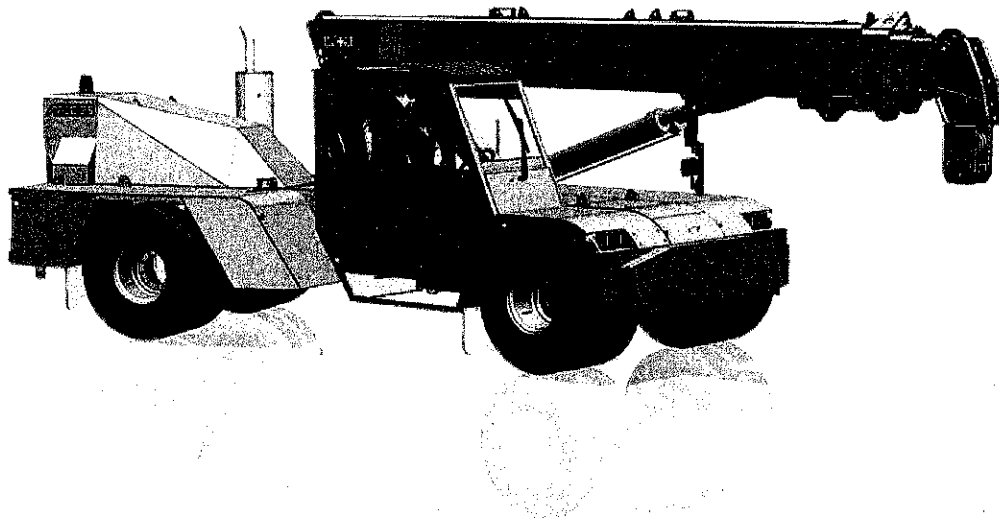




MODEL MAC 25-4 SL
RATED CAPACITY MANUAL
Book Part Number: T139154C



HYDRAULIC MOBILE ARTICULATED PICK & CARRY CRANE

25 tonne MAXIMUM RATED CAPACITY
16.6 tonne REAR AXLE WEIGHT

**Do not operate this crane unless you have read
and understood the information in this book.**

Terex Australia Pty. Ltd.

ABN : 86 010 671 048
E-Mail : info@terex.com.au

CONTENTS

WARNINGS	3
OPERATIONAL NOTICE	3
ATTACHMENT NOTICE	3
DEFINITIONS	4
SPECIAL PRECAUTIONS FOR ARTICULATED CRANES	5
GENERAL	5
SET-UP	5
OPERATION	6
LIFT AND CARRY OPERATION.....	7
OPERATION ON SIDE SLOPES	8
SPECIFICATIONS	9
CRANE CONFIGURATION	11
RATED CAPACITY CHARTS.....	12
001: NO COUNTERWEIGHT – WINCH.....	13
101: FRONT COUNTERWEIGHT - WINCH.....	14
102: FRONT COUNTERWEIGHT - RHINO HOOK.....	15
105: FRONT COUNTERWEIGHT - FLYJIB (3m) - 0° OFFSET	16
106: FRONT COUNTERWEIGHT - FLYJIB (3m) - 12.5° OFFSET.....	16
109: FRONT COUNTERWEIGHT - MANBASKET.....	17
110: FRONT COUNTERWEIGHT - FIXED LUG.....	17
111: FRONT COUNTERWEIGHT - INNER LUG (L1).....	18
112: FRONT COUNTERWEIGHT - OUTER LUG (L2)	19
201: REAR COUNTERWEIGHT - WINCH.....	20
202: REAR COUNTERWEIGHT - RHINO HOOK.....	21
205: REAR COUNTERWEIGHT - FLYJIB (3m) - 0° OFFSET	22
206: REAR COUNTERWEIGHT - FLYJIB (3m) - 12.5° OFFSET	22
209: REAR COUNTERWEIGHT - MANBASKET	23
210: REAR COUNTERWEIGHT - FIXED LUG	23
211: REAR COUNTERWEIGHT - INNER LUG (L1)	24
212: REAR COUNTERWEIGHT - OUTER LUG (L2).....	25
301: REAR SL COUNTERWEIGHT - WINCH.....	26
302: REAR SL COUNTERWEIGHT - RHINO HOOK.....	27
305: REAR SL COUNTERWEIGHT - FLYJIB (3m) – 0° OFFSET.....	28
306: REAR SL COUNTERWEIGHT - FLYJIB (3m) – 12.5° OFFSET.....	28
309: REAR SL COUNTERWEIGHT - MANBASKET.....	29
310: REAR SL COUNTERWEIGHT - FIXED LUG.....	29
311: REAR SL COUNTERWEIGHT - INNER LUG (L1).....	30
312: REAR SL COUNTERWEIGHT - OUTER LUG (L2)	31
AFTERMARKET CONTACTS LIST.....	32

NOTE: ALL PAGES MUST BE INCLUDED IN THIS BOOK.

WARNINGS

OPERATIONAL NOTICE

DANGER

**IMPROPER CRANE USE, CARE OR OPERATION
CAN CAUSE INJURY, DEATH OR PROPERTY
DAMAGE.**

**DO NOT OPERATE THIS MACHINE UNLESS YOU
HAVE READ AND UNDERSTAND THE OPERATOR'S
MANUAL AND CRANE RATED CAPACITY MANUAL.**

**COPIES OF OPERATOR'S MANUALS AND CRANE RATED CAPACITY
MANUAL MAY BE OBTAINED FROM:**



TEREX®

ATTACHMENT NOTICE

CAUTION

**WRITTEN AUTHORISATION IS REQUIRED FROM
TEREX AUSTRALIA PTY LTD PRIOR TO THE USE OF
ANY ATTACHMENT NOT SPECIFIED IN THE MANUAL.**

DEFINITIONS

Articulation – The crane pivots in the middle to allow steering and slewing of the load. Up to 40° Articulation is possible in either direction. See *Working Area diagram*

Deration – A decrease in the Rated Capacity due to external influences, expressed as a percentage.

Freely Suspended Load – Load hanging free with no direct external force applied except by the winch rope.

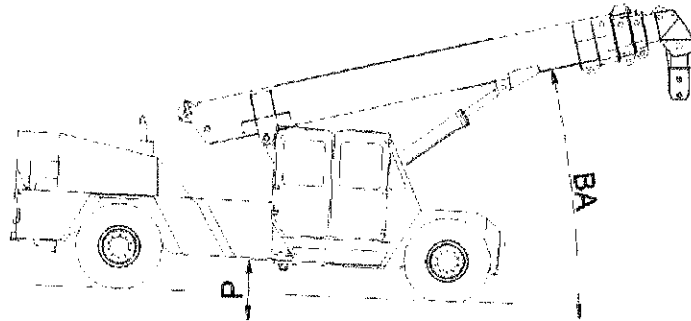
Gradient: Generalised slope of ground measured as a percentage.

Load Radius – The horizontal distance from the centre of the freely suspended hoisting hook perpendicular to a vertical plane containing the front axle.

Loaded Boom Angle – This is given to assist in setting up the crane only. It gives only an approximation of the Load Radius for a specified boom length. "Boom Angle" on Rated Capacity charts refers to the angle between the boom and true horizontal. (Refer to image below)

Load Moment Indicator (LMI) - A system that displays rated capacity for the given configuration. An audible warning sounds when rated capacity is approached and reached.

Pitch Angle – The forward tilt of the crane, the angle between the chassis of the front of the crane and true horizontal in the longitudinal direction. The pitch is positive when the front is higher than the rear. In the image shown, the pitch angle is negative.



Rated Capacity (RC) – The total Freely Suspended Load, including the mass of material and load handling equipment, that the machine can safely lift under ideal conditions at a given configuration.

Roll – The side tilt of the crane chassis, the angle between the front chassis of the crane and true horizontal. The roll angle is positive when the left side of the crane is higher than the right side. In the image shown, which is a view on the front of the crane, the roll angle is negative.



Side Load – Any external force applied either to the boom or load in a horizontal direction.

Slope: Generalised angle of the ground measured in degrees.

Tilt: Generalised combination of pitch and roll.

Work Areas – Area measured in an arc about the centre pivot as shown on the Working Area diagram.

SPECIAL PRECAUTIONS FOR ARTICULATED CRANES

THERE IS A POTENTIAL FOR CRUSHING BETWEEN FRONT AND REAR CHASSIS WHEN THE MACHINE ARTICULATES. NEVER STAND IN THE PIVOT AREA WHEN THE ENGINE IS RUNNING OR EMERGENCY STEERING PUMP IS OPERATING. ALWAYS REMOVE THE KEY FROM THE IGNITION BEFORE WORKING IN THE PIVOT AREA.

DO NOT LEAVE IGNITION KEY SWITCHED ON WITH ENGINE STOPPED AND PARK BRAKE OFF, AS EMERGENCY HYDRAULIC STEERING PUMP WILL ACTIVATE.

GENERAL

1. This machine has been designed to meet the requirements of AS1418.1 (2002) & 1418.5 (2002) and has been tested in accordance with these standards for pick and carry operation on tyres. The machine classification is C3.
2. Rated Capacities shown are for this machine as originally manufactured by Terex Australia Pty Ltd. The Rated Capacities only apply when all the instructions in this book are rigidly followed. Modifications to this machine or use of equipment other than that specified can result in a reduction in Rated Capacity.
3. If improperly operated or maintained, this machine can be hazardous. Operation and maintenance of this machine must be in compliance with the information documented in this rated capacity manual and in the operators, service and parts manuals furnished. If these manuals are missing, obtain replacements through Terex Australia Pty Ltd or their agents.

SET-UP

4. Reduced crane Rated Capacities for the particular job shall be established, by the operator, with due allowance for adverse operating conditions. These conditions include the supporting surface, pendulum action of the load, jerking or sudden stops of the load and other factors affecting stability, two machine lifts, electrical wires, adverse weather, wind, hazardous surroundings, experience of personnel, etc.
5. Rated Capacity is based on Freely Suspended Loads. Lifting, or travelling with a load, on soft or uneven ground can be hazardous and will reduce the Rated Capacity of the crane. Refer to the section "Operation on Slope" for further information.
6. No attempt shall be made to drag the load along the ground in any direction.
7. Wind forces on the boom, resulting from winds up to 10 m/s (36 km/h), are incorporated in the Rated Capacity. Any additional Side Loading due to wind forces on the load will reduce the Rated Capacity, and must be considered.
8. Rated Capacities include the mass of hooks, blocks, slings and auxiliary lifting devices. Their mass must be subtracted, from the listed Rated Capacity, to determine the equivalent net load.

9. Loaded Boom Angles at specified boom lengths give only an approximation of the Load Radius. The Boom Angle before loading should be greater to account for boom deflection increasing the Load Radius as the load is lifted.

OPERATION

10. Read and understand all warnings and instructional notes.
11. Do not tip the machine to determine allowable lifting capacities.
12. Loads may be lifted from:

- The main boom head on the winch.
- The rhino hook.
- The fixed lug.
- Either of the two sliding lugs on the boom.
- A flyjib is also available to extend the maximum boom length
- A "manbasket" can be pinned to the head of the boom.

Always use the correct Rated Capacity chart for the lifting point in use, and the position of the counterweight. Ensure the LMI is set to the correct duty.

NOTE : Written authorisation from Terex Australia Pty Ltd is required prior to the use of any attachment not specified in the manual.

13. "Crane mode" can only be engaged when "low range" is selected. Selecting "crane mode" will cause the front suspension lockouts to engage.
14. Lifting from more than one lifting point simultaneously is neither intended nor approved.
15. Handling of personnel from the boom is neither intended nor approved, except in a Terex Australia Pty Ltd supplied manbasket, correctly installed on the head of the boom, or other approved arrangement.
16. When either the boom length or Load Radius or both are between values listed, the smallest load shown at either the next larger Load Radius or boom length shall be used, or the interpolated value shown on the LMI may be used.
17. Side Loading of the machine and load swing out may cause structural failure or machine tip-over. Side Loads may be generated by:
- Lifting when not level.
 - Sudden acceleration or deceleration
 - Sudden movement when articulating with a load.
 - Dragging a load.
 - Pushing a load.
 - Wind forces on load and boom structure.
18. It is safe to attempt to telescope any load within the limits of the Rated Capacity Manual. The maximum load that may be telescoped is limited by hydraulic pressure, Loaded Boom Angle and powered boom sections lubrication.

19. Boom extension 1 and boom extension 2 move simultaneously. The winch rope is fully compensated for boom extension when boom extensions 1 & 2 are being telescoped. Boom extension 3 is powered on the MAC 25 however there is no compensation of the winch rope as the third extension is being extended.
Operator to take care to extend rope as required while boom extension 3 is being telescoped.
20. Do not allow the winch rope to unwind fully. Always ensure a minimum of 2 wraps of rope remain on the winch drum.
21. Rated Capacity depends on tyre rating, tyre condition and tyre inflation pressure. All tyres must be in good condition and must be inflated to the recommended pressure before attempting a lift.
22. Pick & carry operation is permitted through the full Articulation range, however, Rated Capacity is reduced when articulating. On the series 4 MAC 25, the LMI dynamically calculates rated capacity taking crane tilt and articulation into account.
23. The maximum speed for pick & carry operation is 0.4m/s (1.44km/h). The transfer case shall be set to low range.
24. Operation of this crane in excess of the Rated Capacity and disregard of the instructions is hazardous.

LIFT AND CARRY OPERATION

Observe the following during travel with load on the crane:

- Keep the boom tip as close to the ground as possible by using:
 - The **MINIMUM** practical boom length
 - The **MINIMUM** practical Boom Angle.
- Keep the load as **CLOSE** to the ground as possible.
- Keep the load as **CLOSE** to the front of crane as possible
- Use the **MINIMUM** Articulation angle practical - **REMEMBER** the crane will side tilt when articulated and hence the hook will move towards the direction of Articulation whilst steering.
- Load swing greatly reduces stability – **REMEMBER** to tagline loads to prevent pendulum motion of the load. Travel and crane motions should be applied gently to minimise this effect.
- Always **REMEMBER**:
 - On flat ground - Increased articulation reduces load capacity
 - On sloping ground – Downhill articulation reduces load capacity.

OPERATION ON SLOPE

The operation on slope of cranes that travel with a freely suspended loads should be avoided if at all possible (refer to AS 2550.5). Mobile Cranes are primarily designed to operate on firm, flat, level ground - within a 1% gradient (refer to AS 1418.5 (2002)). Any deviation from this requires that the Rated Capacity shall be reduced (derated) accordingly.

If it is necessary to operate on slope the precautions listed below must be taken.

- **REMEMBER** that surface depressions and potholes will create the same effect as a sloping surface.
- Ensure the ground condition is **FIRM** enough to support the axle loads.
- Ensure the tyres are inflated to the correct operating pressures.
- Keep the load on the **UPHILL** side of the crane where possible. **REMEMBER** the working Load Radius will increase if the load is suspended in the downhill position.

NOTE:

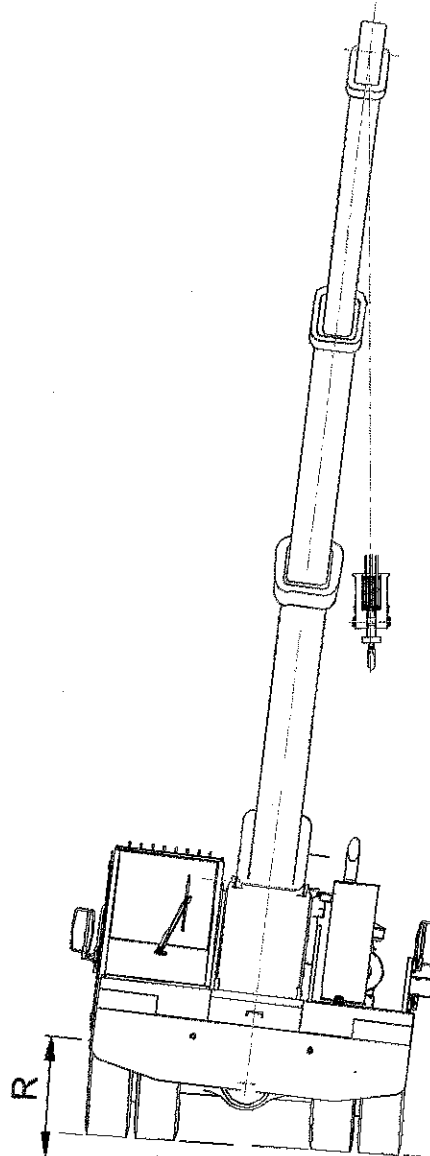
The MAC 25 crane must at no time be operated on a slope greater than 5° (8.75% gradient).

In order to determine the slide slope of a particular site the crane's LMI can be used to give an approximation. Before commencing the lift, drive the un-laden crane slowly across the sloping surface and note the maximum slope displayed. Take the reading when the crane's articulation is zero (straight ahead) and with the boom (fully retracted) in its lowest position practical.

The MAC 25 is fitted with an LMI that calculates the rated capacity for the crane when the crane tilts in any direction.

SLOPE RATED CAPACITY

The degree of tilt of the front body results from a number of factors. Articulation of the crane induces tilt as does working on a slope. In combination the body tilt is increased when the load is on the **DOWNHILL** side of the crane (when the crane articulation direction is down a side slope).



The degree of tilt of the front body and boom is further increased by the deflection of the tyres. This is illustrated in Figure 1. For instance, a 5° ground side slope may result in chassis tilt of say 7°.

The LMI determines and displays the degree of body tilt measured by a sensor that is attached to the front body. This sensor measures the angle of the front body, not the angle of slope of the ground. When the crane is un-laden, the boom fully down, and the crane is at zero articulation, the body will be close to the same angle as the ground, for up to 5° slope.

This body tilt angle (the "Roll") is used by the LMI to derate the crane as this is also the angle the boom has been tilted sideways. When lifting or carrying a load in slope situations, the tilt of the body will change as the weight of load is taken by the crane. In most circumstances, this change will be further derate the crane. Hence in planning a lift, it is important to be conservative on lift capacity in any circumstance where the lift will induce significant front body tilt.

SPECIFICATIONS

ATTACHMENT MASSES

Single part hook block	PL16M2090	30 kg
Four/six part hook block	PLMXA3033	230 kg
Rhino Hook	PLMXF3015	25 kg
9 tonne hook	PP2190200	10 kg
25 tonne hook	PP2087500	26 kg
12 tonne spreader bar	PL16A3035	94 kg
15 tonne spreader bar	PL15A8023	107 kg
Adapter - Flyjib & Manbasket	PLMXF3018	25 kg
Flyjib (3m)	PL16A3056	79 kg
Mount arm - Manbasket	C2061	85 kg
Manbasket	C2062	130 kg

NOTE : These masses apply only to Terex Australia Pty Ltd supplied equipment.

HOOK BLOCK

Hook Block:	Number of Falls of Rope	Maximum Hook Block RC (kg)
	1	4200
	2	8400
	4	16800
	6	25000

WIRE ROPE

Wire Rope:	Rope: Non-rotating Compak 2070 MPa.	Ø14 mm 35W x 7
	Minimum Breaking Force:	165 kN
	Rope Length:	110 m

TYRE SPECIFICATIONS

Condition	Speed	Rated Capacity (Min)
Pick & Carry	<1.44 km/h	10500 kg per tyre (dual fitment)
Highway	80 km/h	3000 kg per tyre (dual fitment)

TYRE INFLATION CHART

Position	Construction	Inflation Pressure	
		Pick & Carry	Highway Travel
Front	14.00 x 20	830 kPa (120 psi)	620 – 830 kPa (90 – 120 psi)
Rear	14.00 x 20	620 kPa (90 psi)	620 kPa (90 psi)

COUNTERWEIGHT DETAILS:

Moveable Counterweight:	T139185	1280 kg
SL counterweight	PLMXF2019	2155 kg

MAC 25 Axle Loads:

Axle loads for un-laden crane, boom fully retracted and boom angle at 0°.

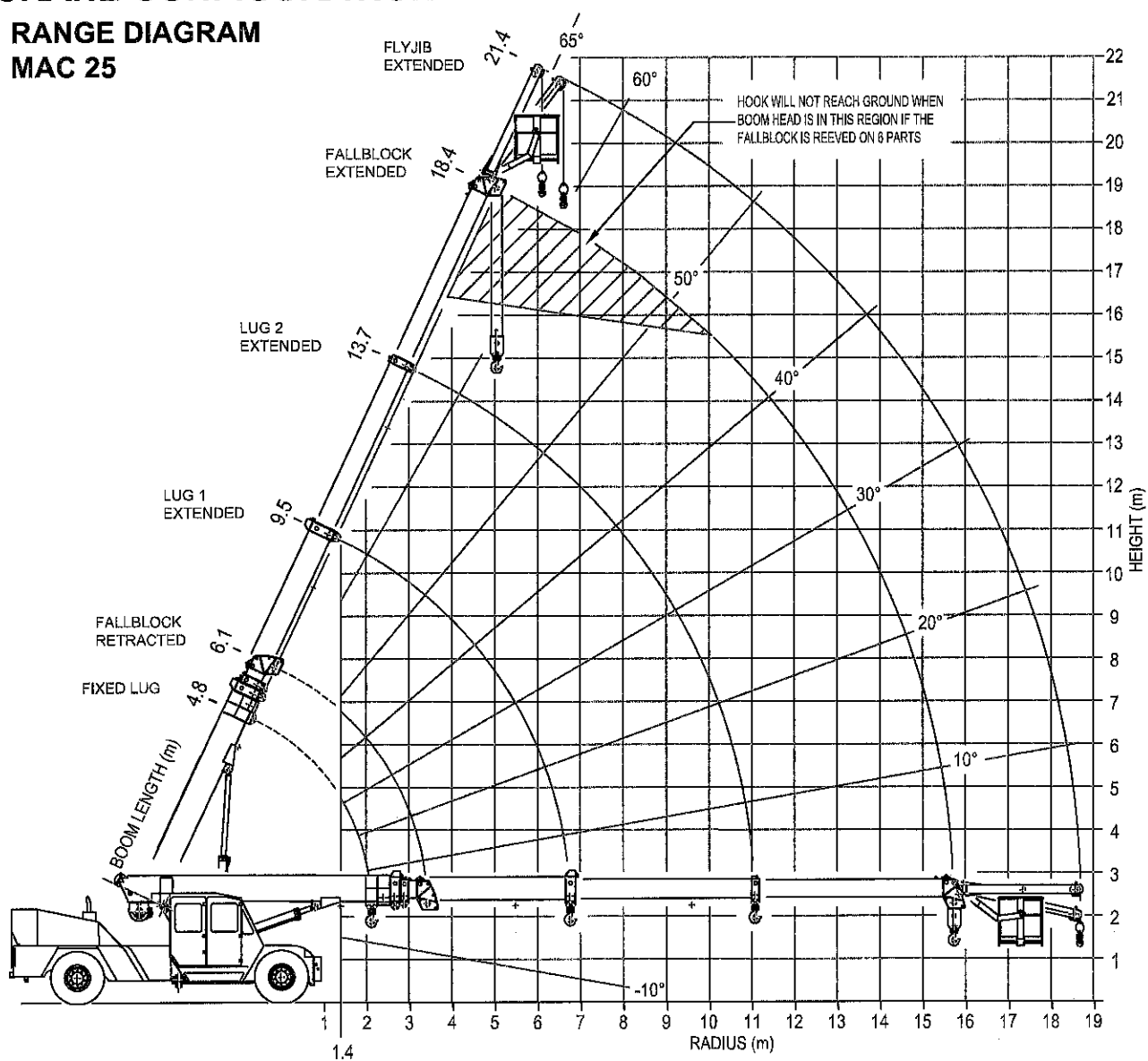
No counterweight on crane:	Front Axle:	10330 kg
	Rear Axle:	12290 kg
Counterweight on front:	Front Axle:	11900 kg
	Rear Axle:	12000 kg
Counterweight on rear:	Front Axle:	10010 kg
	Rear Axle:	13890 kg
Rear SL counterweight	Front Axle:	9465 kg
	Rear Axle:	16590 kg

NOTE : The MAC 25 must not be driven on public roads and highways with counterweight mounted on the rear of the crane.

CRANE CONFIGURATION

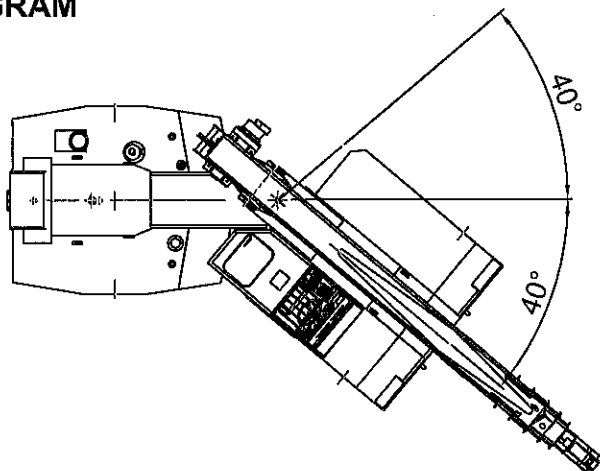
RANGE DIAGRAM

MAC 25



WORKING AREA DIAGRAM

MAC 25



RATED CAPACITY CHARTS

DUTY NUMBERS AND COUNTERWEIGHT POSITIONS

The MAC 25 crane is fitted with a moveable counterweight which is stored on the front of the crane during travel. The counterweight is mounted at the rear of the crane to increase the rated capacity.

Crane lifting configuration (Duty) is designated in this Rated Capacity Manual by the use of a three digit number. The first digit represents position of the counterweight, the second two designate the lifting configuration being used.

Counterweight Position	Duties
No counterweight on the crane (0):	001
Front Counterweight (1):	101 - 122
Rear Counterweight (2):	201 – 212
Rear SL counterweight (3):	301 - 313

CHART RELATED INFORMATION

- Pitch and Roll angles: Rated capacity values in the charts for the MAC 25 crane at 25° & at 40° articulation have been calculated using pitch and roll values consistent with lifting on firm level ground.
- Red Line on charts: Rated Capacities above the red line are based on the machine's hydraulic or structural competence. Rated Capacities below the red line are based on machine stability.
- RC are based on firm level ground with tyres at specified pressures. (AS1418.5: 1% max side slope (0.6°)).

NOTE: In determining the load that can be lifted, the weight of hooks & other load handling devices (including the fall block) shall be ADDED to the load being lifted.

RATED CAPACITY CHART - FALL BLOCK

Duty: **001**

COUNTERWEIGHT: NONE
POSITION: N.A.

Rad	BOOM PIVOT TO HEAD SHEAVES - 3rd BOOM RETRACTED													3rd BOOM EXTENDING				Rad
	6.12	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.42	
1.4	25000	25000	25000	25000	24500	23950	23550											1.4
	24600	24600	24550	24550	24550	24000	23600											
	49	52	56	58	61	63	65											
2.0	20450	20450	20400	20350	20300	20300	20250	20200										2.0
	18400	18350	18300	18300	18250	18200	18200	18150										
	41	45	49	52	55	58	60	62	64									
2.5	16050	16050	16050	16000	15980	15980	15900	15900	15900	15900								2.5
	15400	15400	15350	15350	15300	15300	15250	15200	15200	15200								
	14400	14400	14350	14350	14300	14300	14250	14250	14250	14200								
3.0	13150	13150	13100	13100	13050	13050	13000	13000	13000	12950	12950							3.0
	12600	12600	12550	12550	12500	12500	12450	12450	12400	12400								
	11750	11750	11750	11700	11700	11650	11650	11600	11600	11050								
3.5	11050	11050	11000	11000	11000	11000	10950	10950	10950	10900	10900	10900						3.5
	10650	10650	10650	10650	10600	10600	10550	10550	10500	10500	10450	10450	10400	10400				
	9850	9850	9850	9850	9800	9800	9750	9750	9700	9600	9600	9600						
4.0	(3.5)	19	28	35	40	44	47	50	53	57	61	63						4.0
		9800	9450	9450	9450	9400	9400	9400	9400	9350	9350	9300	9300	9300				
		9350	9050	9050	9000	9000	9000	9000	8950	8950	8900	8900	8900					
5.0																		5.0
6.0																		6.0
7.0																		7.0
8.0																		8.0
9.0																		9.0
10.0																		10.0
11.0																		11.0
12.0																		12.0
13.0																		13.0
14.0																		14.0
15.0																		15.0
15.71																		15.71
15.8																		15.8
18.42																		18.42

WINCH RATED CAPACITY

SINGLE PART 4200
TWO PARTS 8400
FOUR PARTS 16800
SIX PARTS 25000

UNITS:

- ANGLES IN DEGREES
- LENGTHS IN METRES
- LOAD IN KILOGRAMS

KEY:

7900	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -1.0
6950	RC @ ARTIC: 25°	PITCH: -2.3	ROLL: -3.0
5400	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -3.5
63	BOOM ANGLE		
(30.1)	RADIUS AT ZERO BOOM ANGLE		

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

RATED CAPACITY CHART - FALL BLOCK

Duty: **101**

COUNTERWEIGHT: STANDARD
POSITION: FRONT OF CRANE

Rad	BOOM PIVOT TO HEAD SHEAVES - 3rd BOOM RETRACTED													3rd BOOM EXTENDING				Rad
	6.12	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.42	
1.4	22400	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	15550									2.5
	15100	15100	15050	15050	15000	15000	14950	14950	14900									
	14150	14100	14100	14050	14050	14000	14000	13950	13900									
3.0	12900	12900	12850	12850	12800	12800	12750	12750	12700	12700								3.0
	12350	12350	12300	12300	12250	12250	12200	12200	12150	12150								
	11500	11500	11500	11450	11450	11400	11400	11350	11300	11300								
3.5	10850	10850	10800	10800	10750	10750	10750	10700	10700	10650	10650							3.5
	10350	10350	10350	10350	10300	10300	10300	10250	10250	10200	10200							
	9650	9650	9650	9600	9600	9600	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	9200	9200	9150	9150	9150	9100					
		9200	8850	8850	8850	8850	8800	8800	8800	8750	8750	8700	8700					
5.0		8550	8250	8250	8200	8200	8200	8150	8150	8100	8050	8150						5.0
		(3.9)	18	27	34	39	43	46	49	54	58	61	63					
			8300	7800	7400	7400	7400	7050	7050	7000	7000	7000	7050	7150	7250			
6.0																		6.0
7.0																		7.0
8.0																		8.0
9.0																		9.0
10.0																		10.0
11.0																		11.0
12.0																		12.0
13.0																		13.0
14.0																		14.0
15.0																		15.0
15.71																		15.71
15.8																		15.8
18.42																		18.42

WINCH RATED CAPACITY

SINGLE PART	4200
TWO PARTS	8400
FOUR PARTS	16800
SIX PARTS	25000

UNITS:

- ANGLES IN DEGREES
- LENGTHS IN METRES
- LOAD IN KILOGRAMS

KEY:

7150	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -1.0
5800	RC @ ARTIC: 25°	PITCH: -2.3	ROLL: -3.0
5550	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -3.5
63	BOOM ANGLE		
(30.1)	RADIUS AT ZERO BOOM ANGLE		

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

Duty: 102

COUNTERWEIGHT: STANDARD
POSITION: FRONT OF CRANE

Rad	BOOM PIVOT TO HEAD SHEAVES - 3rd BOOM EXTENDING														3rd BOOM EXTENDING				Rad
	6.45	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	12.00	13.00	14.00	15.00	17.00	18.00	18.75		
1.4	15000	15000	15000	15000	15000	15000													1.4
	15000	15000	15000	15000	15000	15000													
	52	56	59	61	64	65													
2.0	15000	15000	15000	15000	15000	15000	15000	15000											2.0
	15000	15000	15000	15000	15000	15000	15000	15000											
	45	50	53	56	58	61	63	64											
2.5	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000									2.5
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000									
	14300	14250	14250	14200	14150	14150	14100	14100	14050	14050									
	38	44	48	51	54	57	59	61	63	64									
3.0	13050	13050	13000	12950	12950	12900	12900	12850	12850	12800									3.0
	12500	12500	12450	12400	12400	12350	12350	12350	12300	12300	12250								
	11700	11650	11650	11600	11550	11550	11500	11500	11500	11450	11450								
	29	37	42	46	49	52	55	57	59	61	64								
3.5	10950	10950	10950	10900	10900	10900	10850	10850	10800	10750	10750								3.5
	10500	10500	10450	10450	10450	10400	10400	10350	10350	10350	10300	10250							
	9800	9800	9750	9750	9700	9700	9700	9650	9650	9600	9600	9150							
	(3.8)	29	36	41	45	48	51	53	56	58	61	64							
4.0	9400	9400	9400	9350	9350	9350	9300	9300	9250	9250	9200	9200							4.0
	9000	9000	8950	8950	8950	8900	8900	8850	8850	8850	8800	8800							
	8350	8350	8350	8300	8300	8300	8250	8250	8250	8200	8100	8250							
	(4.4)	28	34	39	43	47	49	52	54	58	61	64							
5.0	7400	7200	7200	7200	7200	7150	7150	7150	7100	7050	7050	7100	7250						5.0
	7050	6850	6850	6850	6850	6800	6800	6800	6750	6750	6750	6950							
	6550	6350	6350	6350	6350	6350	6300	6300	6300	6250	6150	5800	5400						
	(4.9)	(5.4)	26	32	37	41	44	47	52	55	58	61	65						
6.0	5850	5700	5700	5700	5700	5700	5700	5700	5650	5650	5650	5650	5900	5950					6.0
	5600	5450	5450	5450	5450	5400	5400	5400	5350	5400	5550	5600	5650						
	5150	5050	5050	5050	5000	5000	5000	4950	4950	4900	4550	4450	4350						
	(5.9)	(6.4)	25	31	35	39	45	49	53	56	61	63	65						
7.0	4750	4650	4650	4650	4650	4600	4600	4600	4550	4550	4550	4800	4850	4900					7.0
	4550	4450	4450	4450	4400	4400	4400	4400	4400	4400	4550	4650	4650						
	4150	4100	4100	4100	4050	4050	4050	4050	4050	4050	3950	3850	3750						
	(6.9)	(7.4)	23	29	37	43	47	51	57	59	61								
8.0	3950	3900	3900	3900	3850	3850	3850	3800	3800	3800	3850	3900	3950	4100					8.0
	3750	3700	3700	3650	3650	3700	3650	3700	3650	3700	3650	3900	3950						
	3450	3350	3350	3350	3350	3350	3350	3350	3350	3350	3450	3400	3300						
	(7.9)	15	28	35	41	46	52	55	57										
9.0	3500	3250	3250	3250	3200	3200	3200	3200	3150	3150	3150	3250	3350	3500					9.0
	3450	3100	3100	3100	3100	3100	3100	3100	3100	3100	3250	3300	3350						
	3150	2800	2800	2800	2850	3000	3000	2950											
	(8.4)	14	27	34	40	48	51	53											
10.0	3050	2800	2800	2800	2800	2800	2800	2800	2800	2800	2800	2850	2900	3000					10.0
	2900	2600	2600	2650	2800	2850	2850	2900											
	2600	2350	2350	2400	2550	2600	2650												
	(9.4)	14	26	33	43	46	48												
11.0	2600	2400	2400	2550	2600	2650													11.0
	2450	2250	2250	2400	2450	2500													
	2200	2000	2050	2200	2250	2300													
	(10.4)	13	25	37	41	44													
12.0	2250	2100	2250	2300	2350														12.0
	2100	1950	2100	2150	2200														
	1850	1750	1900	1950	2000														
	(11.4)	13	31	36	39														
13.0	1950	1950	2000	2050															13.0
	1800	1800	1900	1900															
	1600	1650	1700	1750															
	(12.4)	23	30	34															
14.0	1400	1450	1500																14.0
	(14.4)	22	28																
	1300	1300																	
	(15.4)	20																	
15.0	1400																		15.0
	1150																		
	(16.1)																		
	12.00	13.00	14.00	15.00	17.00	18.00	18.75												

UNITS:

- ANGLES IN DEGREES

- LENGTHS IN METRES

- LOAD IN KILOGRAMS

KEY:

7250

RC @ ARTIC: 0°

PITCH: -2.3

ROLL: -1.0

6950

RC @ ARTIC: 25°

PITCH: -2.3

ROLL: -3.0

5400

RC @ ARTIC: 40°

PITCH: -2.3

ROLL: -3.5

65

BOOM ANGLE

(35.)

RADIUS AT ZERO BOOM ANGLE

Note:

Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

RATED CAPACITY CHART - FLYJIB

COUNTERWEIGHT: STANDARD
POSITION: FRONT OF CRANE

Duty: **105**

Duty: **106**

FLYJIB at 0° OFFSET

Duty: **105**

Rad	RC
6.1	1500 1440 65
7.8	1500 1370 60
9.3	1340 1220 55
10.8	1200 1080 50
12.2	1080 1010 45
13.5	970 900 40
14.7	900 840 35
15.7	850 800 30
16.6	800 750 25
17.3	770 730 20
17.9	750 730 15
18.3	750 720 10
18.6	750 720 5
18.7	750 720 0

FLYJIB at 12.5° OFFSET

Duty: **106**

Rad	RC
6.6	1500 1440 65
8.2	1500 1370 60
9.8	1340 1220 55
11.2	1200 1080 50
12.6	1080 1010 45
13.8	970 900 40
14.9	900 840 35
15.9	850 800 30
16.8	800 750 25
17.5	770 730 20
18.0	760 730 15
18.4	750 720 10
18.6	750 720 5
18.7	750 720 0

NOTE:

- RATED CAPACITY IS BASED ON THE STRENGTH OF THE FLYJIB ALONE - RC IS THE SAME FOR ALL BOOM LENGTHS.

UNITS:

- ANGLES IN DEGREES
- LENGTHS IN METRES
- LOAD IN KILOGRAMS

KEY:

970	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -1.0
900	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -3.5
40	Boom Angle		

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

RATED CAPACITY CHART

COUNTERWEIGHT: STANDARD
POSITION: FRONT OF CRANE

Duty: **109**

Duty: **110**

MANBASKET

Duty: **109**

Rad	RC
6.0	275
	275
	65
7.5	275
	275
	60
9.0	275
	275
	55
10.3	275
	275
	50
11.6	275
	275
	45
12.8	275
	275
	40
13.8	275
	275
	35
14.7	275
	275
	30
15.5	275
	275
	25
16.1	275
	246
	20
16.6	275
	216
	15
17.0	275
	195
	10
17.2	275
	182
	5.0
17.3	284
	176
	0

FIXED LUG (BUTT)

Duty: **110**

Rad	RC
1.4	23600
	23050
	33
1.5	23200
	22600
	31
1.6	22800
	21900
	29
1.7	22400
	20500
	25.9
1.8	21850
	19250
	23
1.9	20800
	18100
	20
2.0	19800
	17100
	16
2.2	17400
	15500
	0

NOTE:

MANBASKET RATED CAPACITY INCLUDES ALL PERSONELL AND ALL EQUIPMENT.

UNITS:

- ANGLES IN DEGREES
- LENGTHS IN METRES
- LOAD IN KILOGRAMS

KEY:

275	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -1.0
216	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -3.5
15	Boom Angle		

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

RATED CAPACITY CHART - LUG 1

COUNTERWEIGHT: STANDARD
POSITION: FRONT OF CRANE

Duty: 111

Rad	BOOM LENGTH									Rad
	5.36	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.46	
1.4	23800	23650	23500	23400	23350	23250	23200	23150		1.4
	23250	23050	22950	22850	22750	22650	22600	21350		
	42	49	53	56	59	61	63	65		
2.0	19650	19250	19000	18800	18600	18400	18250	18100	18000	2.0
	17550	17200	16950	16700	16500	16350	16200	16050	15950	
	30	40	45	49	53	56	58	61	62	
2.5	16350	16050	15800	15650	15450	15300	15150	15050	14950	2.5
	14650	14350	14150	13950	13800	13650	13500	13400	13300	
	13700	13400	13150	12950	12800	12650	12500	12400	12300	
3.0	13900	13200	13000	12850	12700	12550	12450	12350	12250	3.0
	11300	11650	11450	11300	11150	11000	10900	10800	10700	
	12350	10800	10650	10500	10300	10200	10050	9950	9850	
3.5	(2.7)	20	30	37	42	46	49	52	55	3.5
		10600	10000	9850	9750	9600	9500	9400	9300	
		10100	9550	9400	9250	9150	9000	8900	8850	
4.0		9400	8800	8700	8550	8450	8300	8200	8150	4.0
		(3.4)	19	29	35	40	44	48	50	
			8800	8350	8250	8150	8050	7950	7850	
5.0				7750	7300	7200	7100	7000	6900	5.0
				(3.9)	19	28	34	39	43	
					7450	6850	6750	6650	6500	
6.0						7050	6000	5700	5650	6.0
						6500	5500	5200	5150	
						(4.4)	(4.9)	17	26	
6.8							5450	4700	4600	6.8
							5150	4400	4250	
							4700	4000	3800	
6.8							(5.4)	(5.9)	16	6.8
									3450	
									3000	
	5.36	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	

UNITS:

- ANGLES IN DEGREES
- LENGTHS IN METRES
- LOAD IN KILOGRAMS

KEY:

3150	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -1.0
7700	RC @ ARTIC: 25°	PITCH: -2.3	ROLL: -3.0
7100	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -3.5
34	BOOM ANGLE		
(3.9)	RADIUS AT ZERO BOOM ANGLE		

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

RATED CAPACITY CHART - LUG 2

Duty: **112**

COUNTERWEIGHT: STANDARD
POSITION: FRONT OF CRANE

Rad	BOOM LENGTH													Rad
	5.57	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	11.00	12.00	13.00	13.77	
1.4	23850	23850	23800	23800	23800	23800	23800							1.4
	23300	23300	23300	23250	23250	23250								
	44	52	56	59	61	63	65							
2.0	19750	19750	19750	19700	19700	19700	19650	19650	19650					2.0
	17700	17700	17650	17650	17650	17600	17600	17600	17600					
	33	45	49	53	55	58	60	62	64					
2.5	15500	15500	15500	15450	15450	15450	15400	15400	15400					2.5
	14800	14800	14800	14800	14800	14800	14750	14750	14750	14750				
	13800	13850	13850	13800	13800	13800	13800	13750	13750	13750				
	22	38	43	47	51	54	56	58	60	64				
3.0	12300	12650	12650	12650	12600	12600	12600	12600	12600	12550	12550			3.0
	12300	12100	12100	12100	12050	12050	12050	12050	12050	12000	12000			
	11450	11250	11250	11250	11250	11250	11250	11200	11200	11200	11200			
	0	30	36	41	46	49	52	54	57	61	64			
3.5		10500	10600	10600	10600	10600	10600	10600	10650	10650	10650	10650		3.5
		10100	10100	10150	10100	10100	10100	10100	10100	10100	10050	10050		
		9400	9400	9400	9400	9400	9400	9400	9400	9400	9350	9350	8950	
		19	28	35	40	44	48	50	53	57	61	63		
4.0		9400	9050	9050	9050	9050	9050	9050	9050	9050	9050	9000	9000	4.0
		8950	8650	8650	8650	8650	8650	8650	8650	8650	8600	8600	8600	
		8300	8000	8050	8050	8050	8050	8050	8000	8000	8000	7900	7450	
		(3.9)	18	27	34	39	43	46	49	54	58	61	63	
5.0			8100	7700	6900	6950	6950	6950	6950	6900	6900	6900	6900	5.0
			7750	6800	6600	6600	6600	6600	6600	6600	6600	6550	6550	
			7150	6250	6100	6100	6100	6100	6100	6100	6100	6100	6050	
			(4.4)	(4.9)	17	26	32	37	40	47	51	55	57	
6.0					6800	6600	5500	5500	5500	5500	5500	5500	5500	6.0
					6000	5950	5200	5200	5250	5250	5200	5200	5200	
					5550	4900	4800	4800	4800	4800	4800	4800	4800	
					(5.4)	(5.9)	16	24	30	38	44	49	52	
7.0							5050	4550	4450	4500	4500	4500	4500	7.0
							4800	4350	4250	4250	4250	4250	4250	
							4400	3950	3900	3900	3900	3900	3900	
							(6.4)	(6.9)	15	29	37	43	46	
									3450	3700	3700	3700	3700	8.0
									3900	3500	3500	3500	3500	
									3600	3200	3200	3200	3200	
									(7.4)	14	27	35	40	
										3450	3100	3150	3150	9.0
										3250	2950	2950	2950	
										2950	2650	2650	2650	
										(8.4)	14	26	32	
											2800	2650	2650	10.0
											2750	2450	2500	
											2450	2250	2250	
											(9.4)	13	23	
												2450	2250	11.0
												2300	2100	
												2050	1850	
												(10.4)	8	
													2200	11.1
													2050	
													1800	
													(11.1)	
							8.50	9.00	9.50	10.00	11.00	12.00	13.00	11.1
													13.77	

RATED CAPACITY CHART - FALL BLOCK

Duty: **201**

COUNTERWEIGHT: **STANDARD**
POSITION: **REAR OF CRANE**

Rad	BOOM PIVOT TO HEAD SHEAVES - 3rd BOOM RETRACTED														3rd BOOM EXTENDING				Rad
	6.12	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.42		
1.4	25000	25000	25000	25000	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	(3.5)	19	28	35	40	44	47	50	53	57	61	63						4.0	
		10600	10700	10700	10700	10700	10650	10650	10650	10600	10600	10550							
		9850	9500	9500	9500	9500	9450	9450	9450	9400	8750	8050	9400						
5.0		(3.9)	18	27	34	39	43	46	49	54	58	61	63					5.0	
			9850	9500	9250	8250	8250	8250	8200	8200	8150	8150	8200	7800	7800	7800			
			9200	8100	7850	7850	7850	7850	7850	7800	7800	7800	7750	7850	7900	7950			
6.0			8550	7500	7250	7250	7250	7250	7250	7250	7050	6500	6100	5800	5600	5400		6.0	
			(4.4)	(4.9)	17	26	32	37	40	46	51	55	58	61	63	65			
					7550	6750	6600	6500	6500	6500	6500	6500	6500	6500	6450	6350	6450		
7.0					7200	6450	6250	6250	6250	6250	6250	6250	6200	6300	6350	6450	6400	7.0	
					6650	5950	5800	5800	5800	5800	5750	5450	5100	4850	4700	4550	4400		
					(5.4)	(5.9)	16	24	30	38	44	49	53	56	59	61	64		
8.0							6100	5650	5400	5400	5400	5400	5400	5450	5550	5600	5700	8.0	
							5800	5250	5150	5150	5150	5100	5100	5150	5250	5350	5400		
							5350	4850	4750	4750	4700	4700	4350	4200	4050	3950	3800		
9.0							(6.4)	(6.9)	15	29	37	42	47	51	54	57	60	9.0	
10.0																		10.0	
11.0																		11.0	
12.0																		12.0	
13.0																		13.0	
14.0																		14.0	
15.0																		15.0	
15.71																		15.71	
18.42																		18.42	

WINCH RATED CAPACITY

SINGLE PART

TWO PARTS

FOUR PARTS

SIX PARTS

4200

8400

16800

25000

UNITS:

- ANGLES IN DEGREES

- LENGTHS IN METRES

- LOAD IN KILOGRAMS

KEY:

8250

7850

7250

17

(5.9)

RC @ ARTIC: 0°

RC @ ARTIC: 25°

RC @ ARTIC: 40°

BOOM ANGLE

RADIUS AT ZERO BOOM ANGLE

PITCH: -2.3

PITCH: -2.3

PITCH: -2.3

ROLL: -1.0

ROLL: -3.0

ROLL: -3.5

Note:

Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

WINCH RATED CAPACITY

SINGLE PART 4200
TWO PARTS 8400
FOUR PARTS 16800
SIX PARTS 25000

UNITS:

- ANGLES IN DEGREES
- LENGTHS IN METRES
- LOAD IN KILOGRAMS

KEY:

2250	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -1.0
7850	RC @ ARTIC: 25°	PITCH: -2.3	ROLL: -3.0
7250	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -3.5
17	BOOM ANGLE		
(5.9)	RADIUS AT ZERO BOOM ANGLE		

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

Duty: 202

Duty: 202

21

RATED CAPACITY CHART - FLYJIB
 COUNTERWEIGHT: STANDARD
 POSITION: REAR OF CRANE

Duty: **205**

Duty: **206**

FLYJIB at 0° OFFSET

Duty: **205**

Rad	RC
6.1	1500
	1440
	65
7.8	1500
	1370
	60
9.3	1340
	1220
	55
10.8	1200
	1080
	50
12.2	1080
	1010
	45
13.5	970
	900
	40
14.7	900
	840
	35
15.7	850
	800
	30
16.6	800
	750
	25
17.3	740
	730
	20
17.9	760
	730
	15
18.3	750
	720
	10
18.6	750
	720
	5
18.7	750
	720
	0

FLYJIB at 12.5° OFFSET

Duty: **206**

Rad	RC
6.6	1500
	1440
	65
8.2	1500
	1370
	60
9.8	1340
	1220
	55
11.2	1200
	1080
	50
12.6	1080
	1010
	45
13.8	970
	900
	40
14.9	900
	840
	35
15.9	850
	800
	30
16.8	800
	750
	25
17.5	770
	730
	20
18.0	760
	730
	15
18.4	750
	720
	10
18.6	750
	720
	5
18.7	750
	720
	0

NOTE:

- RATED CAPACITY IS BASED ON THE STRENGTH OF THE FLYJIB ALONE - RC IS THE SAME FOR ALL BOOM LENGTHS.

UNITS:

- ANGLES IN DEGREES
- LENGTHS IN METRES
- LOAD IN KILOGRAMS

KEY:

1500	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -1.0
900	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -3.5
40	Boom Angle		

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

RATED CAPACITY CHART

COUNTERWEIGHT: STANDARD
POSITION: REAR OF CRANE

Duty: **209**

Duty: **210**

MANBASKET

Duty: **209**

Rad	RC
6.0	275
	275
	65
7.5	275
	275
	60
9.0	275
	275
	55
10.3	275
	275
	50
11.6	275
	275
	45
12.8	275
	275
	40
13.8	275
	275
	35
14.7	275
	275
	30
15.5	275
	275
	25
16.1	275
	275
	20
16.6	275
	275
	15
17.0	275
	275
	10
17.2	275
	275
	5
17.3	275
	275
	0

FIXED LUG (BUTT)

Duty: **210**

Rad	RC
1.4	226000
	24400
	33
1.5	24600
	23950
	31
1.6	24150
	23500
	29
1.7	23750
	23050
	26
1.8	23300
	22050
	23.0
1.9	22900
	20800
	19.7
2.0	22050
	19600
	16
2.2	20100
	17850
	0

NOTE:

MANBASKET RATED CAPACITY INCLUDES ALL PERSONELL AND ALL EQUIPMENT.

UNITS:

- ANGLES IN DEGREES
- LENGTHS IN METRES
- LOAD IN KILOGRAMS

KEY:

275	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -1.0
275	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -3.5
0	Boom Angle		

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

RATED CAPACITY CHART - LUG 1

COUNTERWEIGHT: STANDARD
POSITION: REAR OF CRANE

Duty: **211**

Rad	BOOM LENGTH									Rad
	5.36	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.46	
1.4	25000	25000	24950	24850	24750	24650	24600	24300		1.4
	24600	24450	24300	24200	24100	24000	23250	21350		
	42	49	53	56	59	61	63	65		
2.0	22550	22150	21900	21850	21750	21600	21450	20800	19450	2.0
	20100	19750	19450	19250	19050	18900	18700	18600	17900	
	30	40	45	49	53	56	58	61	62	
2.5	17650	17350	17150	16950	16750	16600	16500	16350	16250	2.5
	16850	16550	16350	16150	16000	15850	15700	15600	15500	
	15700	15400	15200	15000	14850	14700	14550	14450	14300	
3.0	16000	14180	13950	13800	13650	13500	13350	13250	13150	3.0
	15300	13500	13300	13150	13000	12850	12750	12600	12550	
	14250	12500	12350	12150	12000	11900	11750	11650	11550	
3.5	(2.7)	20	30	37	42	46	49	52	55	3.5
4.0										4.0
5.0										5.0
6.0										6.0
6.8										6.8
	5.36	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	

UNITS:

- ANGLES IN DEGREES
- LENGTHS IN METRES
- LOAD IN KILOGRAMS

KEY:

9600	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -1.0
9100	RC @ ARTIC: 25°	PITCH: -2.3	ROLL: -3.0
8350	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -3.5
34	BOOM ANGLE		
(3.9)	RADIUS AT ZERO BOOM ANGLE		

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

RATED CAPACITY CHART - LUG 2

Duty: **212**

COUNTERWEIGHT: STANDARD
POSITION: REAR OF CRANE

Rad	BOOM LENGTH													Rad
	5.57	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	11.00	12.00	13.00	13.77	
1.4	25000	25000	25000	25000	25000	25000	25000							1.4
	24650	24650	24650	24650	24650	24600	24600							
	44	52	56	59	61	63	65							
2.0	22650	22650	22650	22600	22600	22600	22550	22550						2.0
	20250	20200	20200	20200	20150	20150	20150	20100						
	33	45	49	53	55	58	60	64						
2.5	17800	17800	17800	17800	17750	17750	17750	17750	16850					2.5
	17000	17000	17000	17000	17000	17000	16950	16950	15700					
	15850	15850	15850	15850	15850	15800	15800	15800	14850					
3.0	14550	14550	14550	14550	14550	14550	14500	14500	14500	14150				3.0
	14200	13900	13900	13900	13900	13900	13900	13850	13200					
	13200	12950	12950	12950	12950	12950	12900	12900	12400	11250				
3.5	0	30	36	41	46	49	52	54	57	61	64			3.5
		10850	10850	10850	10850	10850	10850	10850	10850	10650	9750	8950		
		19	28	35	40	44	48	50	53	57	61	63		
4.0		10900	10500	10500	10500	10500	10500	10500	10500	10500	10450	10450		4.0
		10400	10000	10050	10050	10050	10050	10000	10000	10000	10000	10000		
		9650	9300	9300	9300	9300	9300	9300	9300	9300	8550	7900	7500	
5.0			9450	9300	8950	8100	8100	8100	8100	8100	8050	8050	8050	5.0
			9000	7900	7700	7700	7700	7700	7700	7700	7700	7650	7650	
			8350	7300	7100	7100	7100	7100	7100	6900	6400	6050		
6.0					7400	6600	6450	6450	6450	6450	6450	6450	6450	6.0
					7000	6300	6150	6150	6150	6150	6150	6150	6150	
					6500	5800	5650	5650	5650	5650	5350	5050		
7.0								5950	5400	5300	5300	5300	5300	7.0
								5650	5150	5000	5050	5050	5050	
								5200	4700	4600	4600	4600	4350	
8.0														8.0
9.0														9.0
10.0														10.0
11.0														11.0
11.1														11.1
	8.50	9.00	9.50	10.00	11.00	12.00	13.00	13.77						

UNITS:

- ANGLES IN DEGREES
- LENGTHS IN METRES
- LOAD IN KILOGRAMS

KEY:

8050	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -1.0
7700	RC @ ARTIC: 25°	PITCH: -2.3	ROLL: -3.0
6900	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -3.5
51	BOOM ANGLE		
(5.4)	RADIUS AT ZERO BOOM ANGLE		

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

RATED CAPACITY CHART - FALL BLOCK

Duty: **301**

COUNTERWEIGHT: STANDARD + EXTRA (SL)
POSITION: REAR OF CRANE

Rad	BOOM PIVOT TO HEAD SHEAVES - 3rd BOOM RETRACTED																	3rd BOOM EXTENDING				Rad
	6.12	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.42					
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	17550	17550	17500	17500	14550									3.0			
	16850	16850	16850	16800	16800	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	12400	12300								3.5			
	14250	14200	14200	14200	14200	14150	14150	14150	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			
	13500	12850	12850	12850	12800	12800	12800	12800	12800	12400	11600	11000										
	12700	12250	12250	12250	12200	12200	12200	12200	12150	12150	11650	10850	10200									
5.0	11750	11350	11350	11300	11300	11300	11300	11150	11050	9250	8550	10050							5.0			
	(3.9)	18	27	34	39	43	46	49	54	58	61	63										
	11600	10250	9950	9950	9950	9950	9950	9900	9900	9900	9850	9800	9200	8950	8700							
6.0	11050	9750	9450	9450	9450	9450	9450	9400	9400	9400	9400	9000	8600	8200	7950				6.0			
	10200	9000	8750	8750	8750	8750	8750	8700	8100	7450	6900	6450	6150	5950	5750							
	(4.4)	(4.9)	17	26	32	37	40	46	51	55	58	61	63	65								
7.0					9150	8200	8000	8000	8000	8000	8000	7950	7950	7900	7800	7600	6950		7.0			
					8700	7800	7600	7600	7600	7600	7600	7550	7550	7550	7300	7100	6400					
					8000	7200	7000	7000	7000	6850	6250	5800	5400	5200	5000	4850	4650					
8.0					(5.4)	(5.9)	16	24	30	38	44	49	53	56	59	61	64		8.0			
							7450	6800	6650	6650	6650	6650	6650	6650	6400	6200	5950					
							7050	6450	6300	6300	6300	6250	6250	6300	6400	6400	5950					
9.0							6500	5900	5800	5800	5400	5000	4650	4450	4300	4200	4050		9.0			
							(6.4)	(6.9)	15	29	37	42	47	51	54	57	60					
10.0																			10.0			
11.0																			11.0			
12.0																			12.0			
13.0																			13.0			
14.0																			14.0			
15.0																			15.0			
15.71																			15.71			
15.8																			15.8			
16.0																			16.0			
17.0																			17.0			
18.42																			18.42			

WINCH RATED CAPACITY

SINGLE PART

4200

TWO PARTS

8400

FOUR PARTS

16800

SIX PARTS

25000

UNITS:

- ANGLES IN DEGREES

- LENGTHS IN METRES

- LOAD IN KILOGRAMS

KEY:

9950

RC @ ARTIC: 0°

PITCH: -2.3

ROLL: -1.0

3450

RC @ ARTIC: 25°

PITCH: -2.3

ROLL: -3.0

8750

RC @ ARTIC: 40°

PITCH: -2.3

ROLL: -3.5

17

BOOM ANGLE

(5.9)

RADIUS AT ZERO BOOM ANGLE

Note:

Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures

WINCH RATED CAPACITY

SINGLE PART	4200
TWO PARTS	8400
FOUR PARTS	16800
SIX PARTS	25000

UNITS:

- ANGLES IN DEGREES
- LENGTHS IN METRES
- LOAD IN KILOGRAMS

KEY:

9950	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -1.0
9450	RC @ ARTIC: 25°	PITCH: -2.3	ROLL: -3.0
8750	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -3.5
17	BOOM ANGLE		
(5.9)	RADIUS AT ZERO BOOM ANGLE		

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

RATED CAPACITY CHART - RHINO HOOK

Duty: **302**

COUNTERWEIGHT: STANDARD + EXTRA (SL)
POSITION: REAR OF CRANE

Rad	BOOM PIVOT TO HEAD SHEAVES - 3rd BOOM RETRACTED													3rd BOOM EXTENDING				Rad
	6.45	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	12.00	13.00	14.00	15.00	17.00	18.00	18.75	
1.4	15000	15000	15000	15000	15000	15000												1.4
	15000	15000	15000	15000	15000	15000												
	52	56	59	61	64	65												
2.0	15000	15000	15000	15000	15000	15000	15000	15000										2.0
	15000	15000	15000	15000	15000	15000	15000	15000										
	45	50	53	56	58	61	63	64										
2.5	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000							2.5
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000							
	38	44	48	51	54	57	59	61	63	64								
3.0	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	13300						3.0
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	13300						
	15000	15000	15000	15000	15000	15000	15000	15000	14200	13450	12200							
3.5	15000	15000	15000	15000	15000	14350	14350	14300	14200	14200	14200	14250	14550					3.5
	14350	14350	14350	14300	14300	14250	14250	14250	14200	14200	14250	14550						
	13350	13350	13300	13300	13250	13250	13200	12850	12200	11600	10600	9750						
4.0	(3.8)	29	36	41	45	48	51	53	56	58	61	64						4.0
		12950	12950	12950	12950	12900	12900	12900	12850	12850	12250	11450	10850					
		12350	12350	12350	12350	12300	12300	12300	12250	12250	11650	10750	10100					
5.0		11450	11450	11450	11400	11400	11400	11250	10700	10200	9300	8600	9750					5.0
		(4.4)	28	34	39	43	47	49	52	54	58	61	64					
			10350	10350	10350	10350	10350	10300	10300	10300	9950	9950	9450	9050	8850			
6.0			9850	9850	9850	9850	9850	9850	9850	9850	9500	9500	9450	8850	8450	7900		6.0
			9100	8850	8850	8850	8800	8800	8600	8200	7550	7000	6550	6200	5750			
			(4.9)	(5.4)	26	32	37	41	44	47	52	55	58	61	65			
7.0					8300	8100	8100	8100	8100	8100	8050	8050	8050	7950	7500	7350	6850	7.0
					7900	7700	7700	7700	7700	7700	7650	7650	7650	7500	7000	6850	6300	
					7300	7100	7100	7100	7100	6900	6350	5850	5500	5200	4900	4750	4650	
8.0					(5.9)	(6.4)	25	31	35	39	45	49	53	56	61	63	65	8.0
							6850	6700	6700	6700	6700	6700	6650	6700	6700	6550	6300	
							6500	6350	6350	6350	6350	6350	6300	6350	6300	6150	5850	
9.0							6000	5850	5850	5850	5500	5050	4700	4500	4200	4100	4050	9.0
							(6.9)	(7.4)	23	29	37	43	47	51	57	59	61	
									5600	5550	5550	5550	5550	5550	5550	5550	5450	
10.0									5450	5350	5350	5350	5350	5350	5350	5350	5350	10.0
									5000	4900	4900	4500	4150	3950	3700	3600	3550	
									(7.9)	15	28	35	41	46	52	55	57	
11.0											5350	4850	4850	4850	4900	5000	5100	11.0
											5050	4600	4600	4600	4600	4750	4800	
											4600	4200	4100	3700	3500	3300	3150	
12.0																		12.0
13.0																		13.0
14.0																		14.0
15.0																		15.0
16.104																		16.104
18.75																		18.75

UNITS:

- ANGLES IN DEGREES
- LENGTHS IN METRES
- LOAD IN KILOGRAMS

KEY:

6650	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -1.0
7900	RC @ ARTIC: 25°	PITCH: -2.3	ROLL: -3.0
5750	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -3.5
65	BOOM ANGLE		
(35.)	RADIUS AT ZERO BOOM ANGLE		

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

RATED CAPACITY CHART - FLYJIB

COUNTERWEIGHT: STANDARD + EXTRA (SL)
POSITION: REAR OF CRANE

Duty: **305**

Duty: **306**

FLYJIB at 0° OFFSET

Duty: **305**

Rad	RC
6.1	1500
	1440
	65
7.8	1500
	1370
	60
9.3	1340
	1220
	55
10.8	1200
	1080
	50
12.2	1080
	1010
	45
13.5	970
	900
	40
14.7	900
	840
	35
15.7	860
	800
	30
16.6	800
	750
	25
17.3	770
	730
	20
17.9	760
	730
	15
18.3	750
	720
	10
18.6	750
	720
	5
18.7	750
	720
	0

FLYJIB at 12.5° OFFSET

Duty: **306**

Rad	RC
6.6	1500
	1440
	65
8.2	1500
	1370
	60
9.8	1340
	1220
	55
11.2	1200
	1080
	50
12.6	1080
	1010
	45
13.8	970
	900
	40
14.9	900
	840
	35
15.9	860
	800
	30
16.8	800
	750
	25
17.5	770
	730
	20
18.0	760
	730
	15
18.4	750
	720
	10
18.6	750
	720
	5
18.7	750
	720
	0

NOTE:

- RATED CAPACITY IS BASED ON THE STRENGTH OF THE FLYJIB ALONE - RC IS THE SAME FOR ALL BOOM LENGTHS.

UNITS:

- ANGLES IN DEGREES
- LENGTHS IN METRES
- LOAD IN KILOGRAMS

KEY:

970	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -1.0
900	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -3.5
40	Boom Angle		

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

RATED CAPACITY CHART

COUNTERWEIGHT: STANDARD + EXTRA (SL)
 POSITION: REAR OF CRANE

Duty: **309**

Duty: **310**

MANBASKET

Duty: **309**

Rad	RC
6.0	275
	275
	65
7.5	275
	275
	60
9.0	275
	275
	55
10.3	275
	275
	50
11.6	275
	275
	45
12.8	275
	275
	40
13.8	275
	275
	35
14.7	275
	275
	30
15.5	275
	275
	25
16.1	275
	275
	20
16.6	275
	275
	15
17.0	275
	275
	10
17.2	275
	275
	5
17.3	275
	275
	0

FIXED LUG (BUTT)

Duty: **310**

Rad	RC
1.4	24800
	24800
	33
1.5	24300
	24300
	31
1.6	23800
	23800
	29
1.7	23350
	23350
	26
1.8	22900
	22900
	23.0
1.9	22500
	22500
	19.7
2.0	22050
	22050
	15.6
2.2	21050
	21050
	0

NOTE:

MANBASKET RATED CAPACITY INCLUDES ALL PERSONELL AND ALL EQUIPMENT.

UNITS:

- ANGLES IN DEGREES
- LENGTHS IN METRES
- LOAD IN KILOGRAMS

KEY:

275	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -1.0
275	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -3.5
0	Boom Angle		

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

RATED CAPACITY CHART - LUG 1

COUNTERWEIGHT: STANDARD + EXTRA (SL)
 POSITION: REAR OF CRANE

Duty: **311**

Rad	BOOM LENGTH									Rad
	5.36	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.46	
1.4	25000	25000	25000	25000	25000	25000	25000	23800		1.4
	24950	24800	24650	24550	24450	24400	23250	21350		
	42	49	53	56	59	61	63	65		
2.0	23150	22950	22850	22750	22650	22600	22500	20800	19450	2.0
	22300	22100	22000	21900	21800	21700	21050	19250	17900	
	30	40	45	49	53	56	58	61	62	
2.5	21050	20750	20550	20350	20200	20050	19900	19150	17850	2.5
	20100	19800	19550	19400	19200	19050	18900	18050	16800	
	18650	18350	18150	17950	17750	17600	17500	17350	16550	
3.0	16700	16450	16200	16000	15850	15700	15550	15400	15200	3.0
	16250	16150	16000	15800	15650	15550	15400	15300	15200	
	16950	14950	14800	14600	14450	14300	14200	14100	13550	
3.5	3	20	30	37	42	46	49	52	55	3.5
		14900	14100	13950	13800	13700	13600	13500	13400	
		14150	13400	13250	13150	13000	12900	12800	12700	
4.0		13100	12350	12250	12100	11950	11850	11750	11400	4.0
		3	19	29	35	40	44	48	50	
			12550	11800	11600	11400	11200	11000	10850	
5.0			10950	10400	10300	10200	10100	10000	9800	5.0
			4	19	28	34	39	43	46	
				10700	9800	9900	9850	9750	9700	
6.0				10150	8800	8450	8350	8250	8200	6.0
				9350	8050	7700	7600	7550	7500	
				4	5	17	26	32	36	
6.8						8100	7750	7600	7550	6.8
						7650	6750	6500	6450	
						7000	6100	5900	5850	
6.8						5	6	16	24	6.8
								6350	6700	
								5400	4800	
6.8								6	7	6.8
	5.36	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	

UNITS:

- ANGLES IN DEGREES
- LENGTHS IN METRES
- LOAD IN KILOGRAMS

KEY:

17200	RC @ ARTIC: 0°	PITCH: -2.3	ROLL: -1.0
14100	RC @ ARTIC: 25°	PITCH: -2.3	ROLL: -3.0
10200	RC @ ARTIC: 40°	PITCH: -2.3	ROLL: -3.5
34	BOOM ANGLE		
(3.9)	RADIUS AT ZERO BOOM ANGLE		

Note: Pitch & Roll angles indicated are representative of lifts based on firm level ground with tyres at specified pressures.

RATED CAPACITY CHART - LUG 2

Duty: **312**

COUNTERWEIGHT: STANDARD + EXTRA (SL)
POSITION: REAR OF CRANE

	1	2	3	4	5	6	7	8	9	10	11	12	13	
Rad	BOOM LENGTH													Rad
	5.57	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	11.00	12.00	13.00	13.77	
1.4	25000	25000	25000	25000	25000	25000	25000							1.4
	25000	25000	25000	25000	25000	24950	24950							
	44	52	56	59	61	63	65							
2.0	23200	23200	23150	23150	23150	23150	23150	23150	23150					2.0
	22350	22350	22350	22350	22350	22350	22350	22300	22000					
	33	45	49	53	55	58	60	62	64					
2.5	21200	21200	21200	21200	21200	21150	21150	21150	21150	16850				2.5
	20250	20250	20250	20200	20200	20200	20200	20200	20150	15700				
	18800	18800	18800	18800	18750	18750	18750	18750	17700	15450				
3.0	17750	17400	17400	17400	17400	17400	17350	17350	17350	15450	14150			3.0
	16950	16600	16600	16600	16600	16600	16550	16550	16550	14500	13200			
	15700	15400	15400	15400	15400	15350	15350	15350	14650	13150	11900			
3.5		14850	14700	14700	14700	14700	14650	14650	14650	12800	11650	10250		3.5
		14000	14000	14000	14000	14000	14000	13950	13950	12450	11300	9900		
		12950	12950	12950	12950	12950	12950	12950	12500	11300	10300	9500		
4.0			13100	12650	12650	12650	12650	12650	12650	12650	11300	10350	9850	4.0
			12450	12050	12050	12050	12050	12050	12050	12000	11400	10600	10150	
			11550	11100	11100	11100	11100	11100	10950	9900	9050	8400	7950	
5.0				(3.9)	18	27	34	39	43	46	49	54	58	5.0
					10850	9550	9300	9300	9300	9300	9300	9300	9300	
					10000	8800	8550	8600	8600	8600	8600	7950	7300	
6.0					(4.4)	(4.9)	17	26	32	37	40	47	51	6.0
								8950	8050	7850	7900	7900	7900	
								8500	7650	7450	7500	7500	7450	
7.0								7850	7050	6850	6900	6700	6100	7.0
								(5.4)	(5.9)	16	24	30	38	
										6300	6300	6150	6200	
8.0								6350	5750	5650	5650	5300	4900	8.0
								(6.4)	(6.9)	15	29	37	46	
										6100	5500	5500	5500	
9.0										5750	5200	5200	5200	9.0
										5250	4750	4750	4300	
										(7.4)	14	27	35	
10.0											5150	4700	4700	10.0
											4900	4450	4450	
											4450	4050	3900	
11.0											(8.4)	14	26	11.0
												4450	4050	
												4200	3850	
11.1												3800	3450	11.1
												(9.4)	13	
													3300	
11.2													3250	11.2
													3000	
													(10.4)	
11.3														11.3
													2950	
													(11.1)	
11.4														11.4
11.5														11.5
11.6														11.6
11.7														11.7
11.8														11.8
11.9														11.9
12.0														12.0
12.1														12.1
12.2														12.2
12.3														12.3
12.4														12.4
12.5														12.5
12.6														12.6
12.7														12.7
12.8														12.8
12.9														12.9
13.0														13.0
13.1														13.1
13.2														13.2
13.3														13.3
13.4														13.4
13.5														13.5
13.6														13.6
13.7														13.7
13.8														13.8
13.9														13.9
14.0														14.0
14.1														14.1
14.2														14.2
14.3														14.3
14.4														14.4
14.5														14.5
14.6														14.6
14.7														14.7
14.8														14.8
14.9														14.9
15.0														15.0
15.1														15.1
15.2														15.2
15.3											</			



AFTERMARKET CONTACTS LIST

AFTER HOURS SUPPORT: from anywhere within Australia

National Technical Support Contact (24/7)

PH: 1800 837 395 (1800TEREXL)

BUSINESS HOURS SUPPORT:

Contact the relevant state office on the numbers shown below for all enquiries regarding:

- Spare parts
- Product support
- Service
- Warranty

Queensland:	+61 7 3868 9600
New South Wales:	+61 2 8788 4444
Victoria:	+61 3 9551 8644
Western Australia:	+61 8 9232 0000

Please have the following information available before calling:

- Company name
- Contact name
- Phone number
- E-mail contact
- Crane model and serial number
- Crane hours and kilometres