

TIDD
CRANE ////

TIDD PC28

RATED CAPACITY MANUAL



TRT ////
...for the long haul

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Warnings



DANGER

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

DO NOT OPERATE THIS MACHINE UNLESS YOU HAVE READ AND
UNDERSTOOD THE OPERATING AND RATED CAPACITY MANUAL



CAUTION

WRITTEN AUTHORISATION IS REQUIRED FROM THE
MANUFACTURER 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 a lifted load. Working areas for the purpose of rated capacities are 0°-10°, 11°-20°, and 21°-30°, 31°-44° of articulation, in either direction from straight ahead. Up to 44° articulation is possible in either direction - see the working area diagram.

Deration – External influences that result in a decrease to the rated capacity, e.g. crane side slope.

Freely suspended load – A load hanging free with no forces other than the connection to the hook.

Load Radius – Is the forward horizontal distance between the centre of the front wheels to the vertical centre of the winch rope with a load applied. ‘Radius’ on the rated capacity charts refers to the load radius in meters.

Load moment indicator (LMI) – An Operator’s visual and audible indicator for when the rated capacity is approached and reached.

Rated capacity (RC) – The total load including the load equipment freely suspended in ideal conditions that the crane can safely lift at a given boom length and load radius.

Side load – Any external, horizontal force applied to the boom or load.

Work areas – The work area given in the working range diagram is taken from the centre pivot. The LMI display indicates the current articulation angle and will automatically update the allowable load at the different articulation bands indicated on the load charts.

Crane side slope – Side tilt of the crane chassis relative to the true horizontal.

Pitch – The forward or rear tilt of the crane chassis relative to the true horizontal in the longitudinal axis.

Slope – The angle of the ground.

Operation

CRUSH HAZARD	
 DANGER	<p>There is a crush hazard between the front and rear sections of the crane when articulating. Never stand in the pivot area with the crane engine running. Always remove the key, tag and lock out isolator switches located at the right hand side before carrying out any tasks within the pivot area.</p>

General

1. This machine has been designed tested to standards AS1418.1, 1418.5 and EN13000:2010(MOD) for pick and carry operation on tyres.
2. The rated capacities given are for this crane as standard from factory and when all directions are strictly followed in this document. Any deviation from the intended use given in this document or modification of the crane from standard could result in the rated capacity being reduced.
3. This crane can be hazardous if operated or maintained in a manner outside of the parameters set out in the operating, service and parts manuals. If any of these manuals are missing contact your local authorised TIDD agent for replacements.

Set up

4. Reduced rated capacities for a task shall be dictated by the operator with allowance for adverse conditions such as but not limited to:
 - The supporting surface
 - Load pendulum actions
 - Jerking
 - Sudden stopping of the load
 - Weather
 - Dual lifting
 - Electrical wires
 - Hazardous surroundings
 - Experience of personnel
5. Rated capacities are based on perfect scenarios with flat, level and firm ground (max of 1% slope/0.6°). Lifting or travelling with a load on uneven or soft ground can be hazardous and reduces the rated capacity of the crane. Refer to 'Operation on side slopes' in this document.

Never attempt to drag the load.

6. Wind forces of up to 10 m/s or 36 km/h have been factored into the rated capacity. Any additional wind force should be taken into account and allowance given to the rated capacity.
7. The rated capacities given in the charts above the red line are based on the structural and hydraulic competence of the machine. Exceeding the rated capacity of the lift chart above red structural line will lead to damage of the crane. The capacities given below the red line take into account the cranes stability.
8. The rated capacities given include the mass of the hooks, slings, blocks and auxiliary lifting devices. The mass of these components must be subtracted from the capacity given on the chart to give the net load weight.
9. Loaded boom angles at specified lengths are an approximation only of the radius - The boom angle should be increased to allow for deflection increasing the load radius as the load is lifted.

10. Read and understand all warnings and instructional notes.
11. Do not tip the machine to determine allowable lifting capacities.
12. Loads can be lifted from;
 - Main boom head - main hook
 - Rhino hook
 - 28t fixed lug on base boom
 - 25t moving lug on tele boom 1
 - Fly jib - main hook

A man basket may also be attached to the head of the boom. Always use the correct rated capacity chart for the lifting point being used and ensure the LMI is set to the correct duty. Any attachment not specified in the manual needs to be authorised in writing by TIDD prior to use.

13. Lifting from more than one point simultaneously is prohibited.
14. Personnel should never be handled via the boom except in an approved TIDD man basket. The basket should be fitted according to TIDD attachment specifications unless authorised to do otherwise.
15. When the boom length or radius are between given values use the lower rated capacity.
16. Side loading the machine can result in structural failure or tip over. Side loads can be generated by;
 - Lifting when not level
 - Sudden acceleration or deceleration when articulating a load
 - Dragging or pushing a load
 - Wind forces on the load and boom structure.

17. It is safe and acceptable to attempt to telescope any load within the limits of the rated capacity manual. The maximum load that may be telescoped is limited by;
 - Loaded boom angle
 - Hydraulic pressure
 - Lubrication of the boom sections
 - Boom length
18. Do not allow the winch to fully unwind, always ensure a minimum of 3 coils of rope remain on the winch drum. The winch is fitted with a 3rd wrap indicator.



19. Rated capacity is dictated by tyre condition, rating and pressure. All the tyres must be in good condition, inflated to the correct pressure and of the correct rating before attempting a lift.
20. Pick and carry is available through to full articulation, the rating decreases when moving through the articulation bands.
21. The maximum speed for pick and carry operation is 2.0 km/h
22. Using this crane outside of the rated capacity or given instructions is hazardous.

Operations on Side Slopes

Mobile cranes are designed to be used primarily on firm, flat and level ground (within 1% gradient) according to AS 1418.5 and EN13000:2010 (MOD). Any deviation from this requires an adjustment to the rated capacity. The following precautions should be adhered to when negotiating side slopes up to maximum allowed by the LMI.

Surface depressions and potholes will create the same effect as a side slope.

- Ensure the tyres are inflated to 130 psi.
- Ensure the ground condition is hard enough to support the axle loads.
- The crane LMI will automatically derate the rated capacity. Based on crane side slope, pitch and articulation.
- While lifting a load the crane side slope and pitch will change due to tyre and boom deflection.
- As articulation is increased this will also add to the induced crane side slope.
- Use the minimum boom length and boom angle to keep the boom tip as close as possible to the ground.
- Keep the load as close as possible to the ground.
- Use the minimum articulation as possible
- If possible keep the load uphill of the crane especially when articulated. The working radius will increase with a suspended downhill positioned load.
- Load swing will give greater instability, where possible tag line loads to prevent the pendulum type action of the load. Movements of the crane should be as smooth as possible.
- Planning a lift is important to keep within the rated capacity as the loading variables change as described above.

TYRE SPECIFICATIONS		
USE	SPEED	LOAD RATING
PICK & CARRY	0-2 Km/h	9250 KG
STATIC	0 KM/H	10500 KG
HIGHWAY	80 Km/h	3650KG

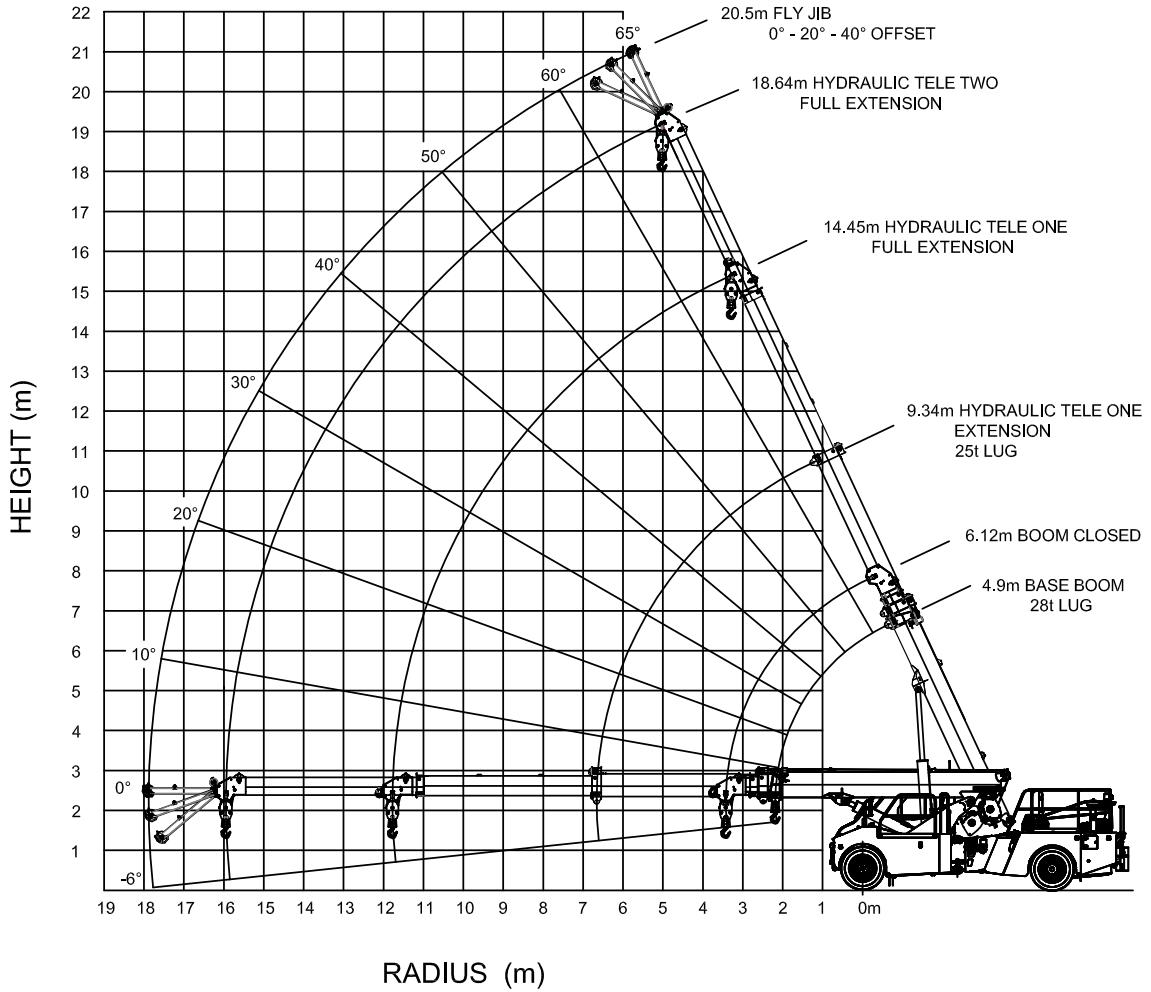
TYRE SPECIFICATION AND INFLATION CHART			
POSITION	SIZE	INFLATION PRESSURE (PSI)	
		PICK & CARRY	HIGHWAY TRAVEL
FRONT	12.00 X R20	130	130*
REAR	12.00 X R20	130	130*

* Reduce tyre pressures accordingly when not driving on fully formed roads as this will generate excessive heat and pressure.

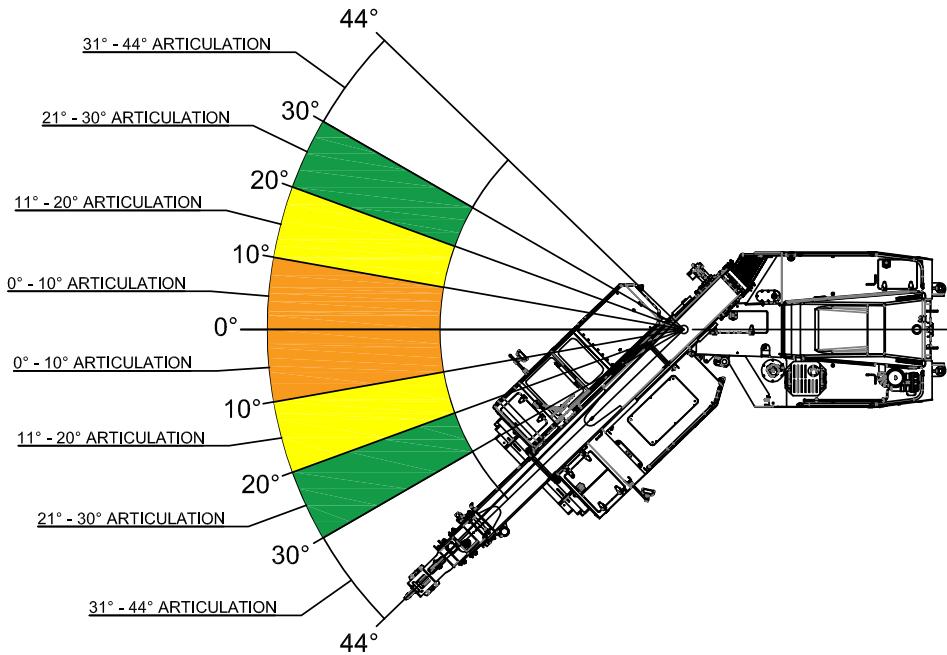
PC28: FRONT AXLE WEIGHTS

RADIUS (m)	FRONT AXLE WEIGHT (kg) AT MAXIMUM RATED CAPACITY	
	LMI Duty	
	001-66	101-66
1.0	35000	37000
1.5	33900	37000
2.0	34000	37000
2.5	30600	37000
3.0	29100	35300
3.5	26800	33400
4.0	25800	30400
4.5	24800	29200
5.0	23000	27800
6.0	21400	25700
7.0	19900	24100
8.0	18500	21900
9.0	18400	21100
10.0	17400	20100
11.0	16700	19500
12.0	16400	19500
13.0	16100	18700
14.0	15800	18300
15.0	15300	18000
15.9	14800	17600

Range Diagram



Working Area Diagram



Lifting Device

LIFTING DEVICE	PART #	MASS
6 PART 27.6T HOOK BLOCK	313-5006	230 KG
2 PART 9.2T HOOK BLOCK	313-5010	90 KG
15T RHINO HOOK	313-5009	22 KG
15T OFFSET RHINO HOOK	313-5007	27 KG
REMOVABLE COUNTERWEIGHT	313-3075	2270 KG
22T SWIVEL HOOK	PC1048886	20 KG
15T SPREADER BAR	PC-559	110 KG
1.9M FLY JIB 750KG SWL	PC-596	42 KG
FLY JIB OFFSET LINK	PC-598	6 KG
SUPERLIFT COUNTERWEIGHT	313-3077	1100 KG

LMI Duty

LMI DUTY	2270kg COUNTERWEIGHT ON <u>FRONT</u>	2270kg COUNTERWEIGHT ON <u>REAR</u>	2270KG + 1100KG COUNTERWEIGHT ON <u>REAR</u>
MAIN HOIST - PICK AND CARRY	001-66	101-66	201-66
MAIN HOIST - STATIONARY	001-75	101-75	201-75
15T RHINO HOOK - PICK AND CARRY	002-66	102-66	202-66
15T RHINO HOOK - STATIONARY	002-75	102-75	202-75
TELE BOOM 1 - 25T LIFTING LUG - PICK AND CARRY	-----	105-66	-----
TELE BOOM 1 - 25T LIFTING LUG - STATIONARY	-----	105-75	-----
BASE BOOM - 28T LIFTING LUG - PICK AND CARRY	-----	106-66	-----
BASE BOOM - 28T LIFTING LUG - STATIONARY	-----	106-75	-----
MAN BASKET	007	107	-----
FLY JIB 0° OFFSET	008	108	-----
FLY JIB 20° OFFSET	009	109	-----
FLY JIB 40° OFFSET	010	110	-----

The weight specifications given in the table are for TIDD standard equipment.

HOIST - WIRE ROPE
18.4T MIN. BREAKING FORCE.
14mm Dyform 34LR RHLL - 1960 N/mm ²
4600kg MAX LINE PULL

Load Charts

23/07/2019

0 - 0.6° CRANE SIDE SLOPE: PC28 MOBILE CRANE: MAIN HOIST		-2270kg COUNTER WEIGHT ON: FRONT												STATIONARY						
RADIUS	BOOM LENGTH (M)	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.45	15.50	16.50	17.50	18.64
1	24860	24860	24860	24860	24860	24860	24860	24860	24860	24860	24860	24860	24860	24860	24860	24860	24860	24860	24860	
	22870	22870	22870	22870	22870	22870	22870	22870	22870	22870	22870	22870	22870	22870	22870	22870	22870	22870	22870	
	20390	20390	20390	20390	20390	20390	20390	20390	20390	20390	20390	20390	20390	20390	20390	20390	20390	20390	20390	
1.5	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	17400	
	21940	21940	21940	21940	21940	21940	21940	21940	21940	21940	21940	21940	21940	21940	21940	21940	21940	21940	21940	
	20180	20180	20180	20180	20180	20180	20180	20180	20180	20180	20180	20180	20180	20180	20180	20180	20180	20180	20180	
1.75	17960	17960	17960	17960	17960	17960	17960	17960	17960	17960	17960	17960	17960	17960	17960	17960	17960	17960	17960	
	15360	15360	15360	15360	15360	15360	15360	15360	15360	15360	15360	15360	15360	15360	15360	15360	15360	15360	15360	
2	20360	20360	20360	20360	20360	20360	20360	20360	20360	20360	20360	20360	20360	20360	20360	20360	20360	20360	20360	
	18730	18730	18730	18730	18730	18730	18730	18730	18730	18730	18730	18730	18730	18730	18730	18730	18730	18730	18730	
	16700	16700	16700	16700	16700	16700	16700	16700	16700	16700	16700	16700	16700	16700	16700	16700	16700	16700	16700	
2.5	16480	16480	16480	16480	16480	16480	16480	16480	16480	16480	16480	16480	16480	16480	16480	16480	16480	16480	16480	
	15160	15160	15160	15160	15160	15160	15160	15160	15160	15160	15160	15160	15160	15160	15160	15160	15160	15160	15160	
3	13460	13460	13460	13460	13460	13460	13460	13460	13460	13460	13460	13460	13460	13460	13460	13460	13460	13460	13460	
	13250	13150	13050	13050	13050	13050	13050	13050	13050	13050	13050	13050	13050	13050	13050	13050	13050	13050	13050	
11810	11720	11630	11630	11630	11630	11630	11630	11630	11630	11630	11630	11630	11630	11630	11630	11630	11630	11630	11630	
10080	10000	9930	9930	9930	9930	9930	9930	9930	9930	9930	9930	9930	9930	9930	9930	9930	9930	9930	9930	
3.5	12040	11930	11930	11930	11930	11930	11930	11930	11930	11930	11930	11930	11930	11930	11930	11930	11930	11930	11930	
	11080	10980	10980	10980	10980	10980	10980	10980	10980	10980	10980	10980	10980	10980	10980	10980	10980	10980	10980	
4	8430	8350	8250	8250	8250	8250	8250	8250	8250	8250	8250	8250	8250	8250	8250	8250	8250	8250	8250	
	10690	10580	10480	10480	10480	10480	10480	10480	10480	10480	10480	10480	10480	10480	10480	10480	10480	10480	10480	
5	9810	9840	9770	9770	9770	9770	9770	9770	9770	9770	9770	9770	9770	9770	9770	9770	9770	9770	9770	
	7480	7480	7410	7320	7320	7320	7320	7320	7320	7320	7320	7320	7320	7320	7320	7320	7320	7320	7320	
4.5	9560	9560	9560	9560	9560	9560	9560	9560	9560	9560	9560	9560	9560	9560	9560	9560	9560	9560	9560	
	8800	8800	8800	8800	8800	8800	8800	8800	8800	8800	8800	8800	8800	8800	8800	8800	8800	8800	8800	
6		6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	
	6690	6690	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	
	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	
7	9100	9040	8940	8940	8940	8940	8940	8940	8940	8940	8940	8940	8940	8940	8940	8940	8940	8940	8940	
	7450	7450	7400	7400	7400	7400	7400	7400	7400	7400	7400	7400	7400	7400	7400	7400	7400	7400	7400	
8		6570	6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	6530	
	6010	5950	5950	5950	5950	5950	5950	5950	5950	5950	5950	5950	5950	5950	5950	5950	5950	5950	5950	
	5350	5350	5310	5310	5310	5310	5310	5310	5310	5310	5310	5310	5310	5310	5310	5310	5310	5310	5310	
	4570	4570	4530	4530	4530	4530	4530	4530	4530	4530	4530	4530	4530	4530	4530	4530	4530	4530	4530	
	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290	3290	
9		4810	4810	4810	4810	4810	4810	4810	4810	4810	4810	4810	4810	4810	4810	4810	4810	4810	4810	
	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	
	3700	3700	3660	3660	3660	3660	3660	3660	3660	3660	3660	3660	3660	3660	3660	3660	3660	3660	3660	
10		2760	2760	2720	2720	2720	2720	2720	2720	2720	2720	2720	2720	2720	2720	2720	2720	2720	2720	
	3320	3320	3320	3320	3320	3320	3320	3320	3320	3320	3320	3320	3320	3320	3320	3320	3320	3320	3320	
	3050	3050	3510	3510	3510	3510	3510	3510	3510	3510	3510	3510	3510	3510	3510	3510	3510	3510	3510	
	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	
11		2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	
	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	2320	
	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	2870	
12		2170	2170	2170	2170	2170	2170	2170	2170	2170	2170	2170	2170	2170	2170	2170	2170	2170	2170	
	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	1940	
14		1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	
	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	
15		159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	
15.9		1390	1390	1390	1390	1390	1390	1390	1390	1390	1390	1390	1390	1390	1390	1390	1390	1390	1390	

• THIS CHART IS FOR CRANE SIDE SLOPE FROM 0° TO 0.6°. CRANE SIDE SLOPE LARGER THAN 0.6° THE LMI WILL DRAFE AUTOMATICALLY

• STABILITY AS PER EN1300-2010 (M0) AND AS1418.5.2013 PART 4.1.2.6.1 STATIONARY 75% OF TIPPING LOAD WITH HOLD BRAKE APPLIED

• OPERATION OF THIS MACHINE WITH HEAVIER LOADS THAN THE CAPACITIES LISTED IS STRICTLY PROHIBITED. MACHINE TIPPING WITH BOOM EXTENSION OCCURS RAPIDLY AND WITHOUT ADVANCE WARNING

• LIFTING IS TO VERTICAL ONLY

• READ AND UNDERSTAND CRANE USER MANUALS BEFORE OPERATING

• BOOM ANGLE IS WITH RESPECT TO THE HORIZONTAL

• SPARE WHEEL NOT INCLUDED AS COUNTERWEIGHT

• LOADS ABOVE THE BOLD RED LINE ARE LIMITED BY STABILITY

• MASS OF SLINGS AND HOOK BLOCK TO BE ADDED TO LOAD

• DURING OPERATION, WIND SPEED MUST NOT EXCEED 36 KM/H (M/S)

• READ AND UNDERSTAND CRANE USER MANUALS BEFORE OPERATING

• BOOM ANGLE IS WITH RESPECT TO THE HORIZONTAL

• SPARE WHEEL NOT INCLUDED AS COUNTERWEIGHT

• LOADS BELOW THE BOLD RED LINE ARE LIMITED BY STABILITY

• READ AND UNDERSTAND CRANE USER MANUALS BEFORE OPERATING

• BOOM ANGLE IS WITH RESPECT TO THE HORIZONTAL

• SPARE WHEEL NOT INCLUDED AS COUNTERWEIGHT

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LMI DUTY **002-66**

		RHINO - 2270kg COUNTER WEIGHT ON: FRONT												PICK AND CARRY								
0 - 0.6° CRANE SIDE SLOPE:	PC28 MOBILE CRANE:	6.12	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.45	15.50	16.50	17.50	
1	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
1.5	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
2	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
2.5	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	
3	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	
3.5	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	
4	8770	12780	12600	12600	12600	12600	12600	12600	12600	12600	12600	12600	12600	12600	12600	12600	12600	12600	12600	12600	12600	
5	7490	11780	11630	11530	11530	11530	11530	11530	11530	11530	11530	11530	11530	11530	11530	11530	11530	11530	11530	11530	11530	
6	6650	8770	8890	10700	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	
7	5950	7490	8740	9340	9350	9350	9350	9350	9350	9350	9350	9350	9350	9350	9350	9350	9350	9350	9350	9350	9350	9350
8	5400	5950	6970	7240	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420
9	5040	5950	6580	7200	7150	7150	7150	7150	7150	7150	7150	7150	7150	7150	7150	7150	7150	7150	7150	7150	7150	7150
10	4060	5040	5340	5340	5340	5340	5340	5340	5340	5340	5340	5340	5340	5340	5340	5340	5340	5340	5340	5340	5340	5340
11	3290	3290	3830	4320	4320	4320	4320	4320	4320	4320	4320	4320	4320	4320	4320	4320	4320	4320	4320	4320	4320	4320
12	2660	3120	3120	3120	3120	3120	3120	3120	3120	3120	3120	3120	3120	3120	3120	3120	3120	3120	3120	3120	3120	3120
13	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300

THIS CHART IS FOR CRANE SIDE SLOPE FROM 0° TO 0.6°. CRANE SIDE SLOPE LARGER THAN 0.6° THE LMI WILL DE RATE AUTOMATICALLY
 STABILITY AS PER EN1300-2010 (MOD) AND AS1418.5 2013 PART 4.1.2.6.1 PICK AND CARRY 66.6% OF TIPPING LOAD
 OPERATION OF THIS MACHINE WITH HEAVIER LOADS THAN THE CAPACITIES LISTED IS STRICTLY PROHIBITED. MACHINE TIPPING WITH BOOM EXTENSION OCCURS RAPIDLY AND WITHOUT ADVANCE WARNING
 LIFTING IS TO BE VERTICAL ONLY
 MASS OF SLINGS AND HOOK BLOCK TO BE ADDED TO LOAD
 DURING OPERATION, WIND SPEED MUST NOT EXCEED 36 KM/H (10 M/S)
 READ AND UNDERSTAND CRANE USER MANUALS BEFORE OPERATING
 BOOM ANGLE IS WITH RESPECT TO THE HORIZONTAL
 SPARE WHEEL NOT INCLUDED AS COUNTERWEIGHT
 LOADS ABOVE THE BOLD RED LINE ARE LIMITED STRUCTURALLY
 LOADS BELOW THE BOLD RED LINE ARE LIMITED BY STABILITY

Rated Capacity (kg) for 0°-10° articulation
Rated Capacity (kg) for 11°-20° articulation
Rated Capacity (kg) for 21°-30° articulation
Rated Capacity (kg) for 31°-44° articulation

RHINO		- 2270kg COUNTER WEIGHT ON: FRONT												STATIONARY										
0 - 0.6° CRANE SIDE SLOPE: PC28 MOBILE CRANE:		0 - 0.6° CRANE SIDE SLOPE: PC28 MOBILE CRANE:												LMI DUTY 002-75										
RADIUS	BOOM LENGTH (M)	6.12	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.00	14.50	15.00	15.50	16.00	16.50	17.00
1	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
1.5	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
2	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
2.5	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
3	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
3.5	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
4	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
4.5	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
5	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
6	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
7	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
8	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
9	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
10	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
11	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
12	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
13	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
14	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
15	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000
15.9	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000

• THIS CHART IS FOR CRANE SIDE SLOPE FROM 0° TO 0.6°. CRANE SIDE SLOPE LARGER THAN 0.6° THE LMI WILL DILATE AUTOMATICALLY

• STABILITY AS PER EN1300:2010 (MOD) AND AS1418.5 2013 PART 4.1.2.6.1. STATIONARY 75% OF TIPPING LOAD WITH HOLD BRAKE APPLIED

• OPERATION OF THIS MACHINE WITH HEAVIER LOADS THAN THE CAPACITIES LISTED IS STRICTLY PROHIBITED. MACHINE TIPPING WITH MASS SLINGS AND HOOK BLOCK TO BE ADDED TO LOAD

• DURING OPERATION, WIND SPEED MUST NOT EXCEED 36 KM/H (10 M/S)

• READ AND UNDERSTAND CRANE USER MANUALS BEFORE OPERATING

• BOOM ANGLE IS WITH RESPECT TO THE HORIZONTAL

• SPARE WHEEL NOT INCLUDED AS COUNTERWEIGHT

• LOADS BELOW THE BOLD RED LINE ARE LIMITED BY STABILITY

• LOADS ABOVE THE BOLD RED LINE ARE LIMITED STRUCTURALLY

LMI DUTY 007

0° TO 5° CRANE SIDE SLOPE:
PC28 MOBILE CRANE: **MAN BASKET**

2270kg COUNTERWEIGHT ON: FRONT

RADIUS (m)	MAIN BOOM 6.12m to 18.64m	MAN BASKET 1.43m
1	275	275
2	275	275
4	275	275
6	275	275
8	275	275
10	275	275
12	275	275
14	275	275
16	275	275
18	275	275
20.1	275	275

- THIS CHART IS FOR CRANE SIDE SLOPE FROM 0° TO 5° CRANE SIDE SLOPE
- STABILITY AS PER EN13000:2010 (MOD) AND AS1418.5 2013 PART 4.1.2.6.1 PICK AND CARRY 66.6% OF TIPPING LOAD
- OPERATION OF THIS MACHINE WITH HEAVIER LOADS THAN THE CAPACITIES LISTED IS STRICTLY PROHIBITED. MACHINE TIPPING WITH BOOM EXTENSION OCCURS RAPIDLY AND WITHOUT ADVANCE WARNING
- LIFTING IS TO BE VERTICAL ONLY
- MASS OF LIFTING EQUIPMENT TO BE ADDED TO LOAD
- DURING OPERATION, WIND SPEED MUST NOT EXCEED 36 KM/H (10 M/S)
- READ AND UNDERSTAND CRANE USER MANUALS BEFORE OPERATING
- BOOM ANGLE IS WITH RESPECT TO THE HORIZONTAL
- SPARE WHEEL NOT INCLUDED AS COUNTERWEIGHT
- LOADS ABOVE THE BOLD RED LINE ARE LIMITED STRUCTURALLY
- LOADS BELOW THE BOLD RED LINE ARE LIMITED BY STABILITY
- HOOK BLOCK TO BE REMOVED
- MANBASKET CENTER FROM RHINO MOUNT IS 1.43M
- 275kg SWL BASKET CAPACITY
- 225kg BASKET TARE WEIGHT

Rated Capacity (kg) for 0°-10° articulation
Rated Capacity (kg) for 11°-20° articulation
Rated Capacity (kg) for 21°-30° articulation
Rated Capacity (kg) for 31°-44° articulation

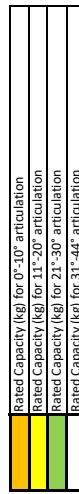
REV : F
30/07/2019

**0° TO 5° CRANE SIDE SLOPE:
PC28 MOBILE CRANE: FLY JIB**

2270KG COUNTERWEIGHT ON: FRONT

MAIN BOOM 6.12m to 18.64m FLY JIB 1.9m					
RADIUS (m)	0° OFFSET	20° OFFSET	40° OFFSET	40° OFFSET	40° OFFSET
1	008	009	010		
	750	750	750		
	750	750	750		
2	750	750	750	750	750
	750	750	750	750	750
	750	750	750	750	750
4	750	750	750	750	750
	750	750	750	750	750
	750	750	750	750	750
6	750	750	750	750	750
	750	750	750	750	750
	750	750	750	750	750
8	750	750	750	750	750
	750	750	750	750	750
	750	750	750	750	750
10	750	750	750	750	750
	750	750	750	750	750
	750	750	750	750	750
12	750	750	750	750	750
	750	750	750	750	750
	750	750	750	750	750
14	750	750	750	750	750
	750	750	750	750	750
	750	750	750	750	750
16	750	750	750	750	750
	750	750	750	750	750
	750	750	750	750	750
18	750	750	750	750	750
	750	750	750	750	750
	750	750	750	750	750
20.3	750	750	750	750	750
	750	750	750	750	750
	750	750	750	750	750
20.5	750	750	750	750	750
	750	750	750	750	750
	750	750	750	750	750

• THIS CHART IS FOR CRANE SIDE SLOPE FROM 0° TO 5°. CRANE SIDE STABILITY AS PER EN13000:2010 (MOD) AND AS1418.5 2013 PART 4.1.2.6.1
• PICK AND CARRY 66.6% OF TIPPING LOAD
• OPERATION OF THIS MACHINE WITH HEAVIER LOADS THAN THE CAPACITIES LISTED IS STRICTLY PROHIBITED. MACHINE TIPPING WITH BOOM EXTENSION OCCURS RAPIDLY AND WITHOUT ADVANCE WARNING
• LIFTING IS TO BE VERTICAL ONLY
• MASS OF LIFTING EQUIPMENT TO BE ADDED TO LOAD
• DURING OPERATION, WIND SPEED MUST NOT EXCEED 36 KM/H (10 M/S)
• READ AND UNDERSTAND CRANE USER MANUALS BEFORE OPERATING
• BOOM ANGLE IS WITH RESPECT TO THE HORIZONTAL
• SPARE WHEEL NOT INCLUDED AS COUNTERWEIGHT
• LOADS ABOVE THE BOLD RED LINE ARE LIMITED STRUCTURALLY
• LOADS BELOW THE BOLD RED LINE ARE LIMITED BY STABILITY
• HOOK BLOCK TO BE REMOVED



REV : G
12/08/2019

LMI DUTY 101-66

Radius	Boom Length (m)	PC28 MOBILE CRANE: MAIN HOIST - 2270kg COUNTERWEIGHT ON: REAR												PICK AND CARRY						
		6.12	5.00	7.00	2.50	8.00	3.50	9.00	3.50	10.00	10.50	11.00	11.50		12.00	12.50	13.00	13.50	14.45	15.50
1	26500	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	18.64	25000	25000	25000	25000	25000	25000
	26000	24500	24500	24500	24500	24500	24500	24500	24500	24500	24500	24500	24500		24500	24500	24500	24500	24500	24500
1.5	17500	17500	17500	17500	17500	17500	17500	17500	17500	17500	17500	17500	17500	17.50	17500	17500	17500	17500	17500	17500
	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100	22100		22100	22100	22100	22100	22100	22100
2	15210	20500	20500	20500	20500	20500	20500	20500	20500	20500	20500	20500	20500	15.9	15210	15210	15210	15210	15210	15210
	18860	18860	18860	18860	18860	18860	18860	18860	18860	18860	18860	18860	18860		18860	18860	18860	18860	18860	18860
2.5	14350	14350	14350	14350	14350	14350	14350	14350	14350	14350	14350	14350	14350	19.00	14350	14350	14350	14350	14350	14350
	19800	19800	19800	19800	19800	19800	19800	19800	19800	19800	19800	19800	19800		19800	19800	19800	19800	19800	19800
3	15580	15580	15580	15580	15580	15580	15580	15580	15580	15580	15580	15580	15580	15.9	15580	15580	15580	15580	15580	15580
	16600	16600	16600	16600	16600	16600	16600	16600	16600	16600	16600	16600	16600		16600	16600	16600	16600	16600	16600
3.5	15270	15270	15270	15270	15270	15270	15270	15270	15270	15270	15270	15270	15270	15.9	15270	15270	15270	15270	15270	15270
	13610	13530	13450	13450	13450	13450	13450	13450	13450	13450	13450	13450	13450		13450	13450	13450	13450	13450	13450
4	11650	11650	11650	11650	11650	11650	11650	11650	11650	11650	11650	11650	11650	14.45	11650	11650	11650	11650	11650	11650
	11090	11040	10840	10840	10840	10840	10840	10840	10840	10840	10840	10840	10840		10840	10840	10840	10840	10840	10840
4.5	8440	8440	8440	8440	8440	8440	8440	8440	8440	8440	8440	8440	8440	10.50	8440	8440	8440	8440	8440	8440
	7730	7730	7730	7730	7730	7730	7730	7730	7730	7730	7730	7730	7730		7730	7730	7730	7730	7730	7730
5	9550	9550	9550	9550	9550	9550	9550	9550	9550	9550	9550	9550	9550	9.40	9550	9550	9550	9550	9550	9550
	8740	8740	8740	8740	8740	8740	8740	8740	8740	8740	8740	8740	8740		8740	8740	8740	8740	8740	8740
6	6650	6650	6650	6650	6650	6650	6650	6650	6650	6650	6650	6650	6650	7.70	6650	6650	6650	6650	6650	6650
	7700	7700	7700	7700	7700	7700	7700	7700	7700	7700	7700	7700	7700		7700	7700	7700	7700	7700	7700
7	5390	5390	5390	5390	5390	5390	5390	5390	5390	5390	5390	5390	5390	6.40	5390	5390	5390	5390	5390	5390
	5380	5380	5380	5380	5380	5380	5380	5380	5380	5380	5380	5380	5380		5380	5380	5380	5380	5380	5380
8	4480	4480	4480	4480	4480	4480	4480	4480	4480	4480	4480	4480	4480	4.50	4480	4480	4480	4480	4480	4480
	3120	3120	3120	3120	3120	3120	3120	3120	3120	3120	3120	3120	3120		3120	3120	3120	3120	3120	3120
10	14	14	14	14	14	14	14	14	14	14	14	14	14	1.50	14	14	14	14	14	14
	11	11	11	11	11	11	11	11	11	11	11	11	11		11	11	11	11	11	11
11	13	13	13	13	13	13	13	13	13	13	13	13	13	1.50	13	13	13	13	13	13
	15	15	15	15	15	15	15	15	15	15	15	15	15		15	15	15	15	15	15

TRT | TIDD PC28 | 2020 | Rev C

0 - 0.6° CRANE SIDE SLOPE: PC28 MOBILE CRANE: RHINO		- 2270kg COUNTERWEIGHT ON: REAR												PICK AND CARRY		LMI DUTY 102-6						
RADIUS	BOOM LENGTH (M)	6.12	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.05	15.50	16.50	17.50	18.54
1	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
1.5	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
2	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
2.5	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
3	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
3.5	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
4	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
5	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
6	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
7	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
8	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
9	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
10	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
11	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
12	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
13	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	

THIS CHART IS FOR CRANE SIDE SLOPE FROM 0° TO 0.6°. CRANE SIDE

SLOPE LARGER THAN 0.6° THE LMI WILL DERATE AUTOMATICALLY

STABILITY AS PER EN13000/2010 (MOD) AND AS1418.5 2013 PART

4.1.2.6.1 PICK AND CARRY 66-6% OF TIPPING LOAD

OPERATION OF THIS MACHINE WITH HEAVIER LOADS THAN THE

CAPACITIES LISTED IS STRICTLY PROHIBITED. MACHINE TIPPING WITH

BOOM EXTENSION OCCURS RAPIDLY AND WITHOUT ADVANCE

WARNING

LIFTING IS TO BE VERTICAL ONLY

MASS OF SLINGS AND HOOK BLOCK TO BE ADDED TO LOAD

DURING OPERATION, WIND SPEED MUST NOT EXCEED 36 KM/H (10

M/S)

READ AND UNDERSTAND CRANE USER MANUALS BEFORE OPERATING

BOOM ANGLE IS WITH RESPECT TO THE HORIZONTAL

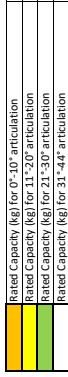
SPARE WHEEL NOT INCLUDED AS COUNTERWEIGHT

LOADS ABOVE THE BOLD RED LINE ARE LIMITED STRUCTURALLY

LOADS BELOW THE BOLD RED LINE ARE LIMITED BY STABILITY



0 - 0.6° CRANE SIDE SLOPE:		PC28 MOBILE CRANE:		RHINO		- 2270kg COUNTERWEIGHT ON:		REAR		STATIONARY		LMI DUTY 102-75										
RADIUS	BOOM LENGTH (m)	6.12	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.45	15.50	16.50	17.50	18.64
1	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
1.5	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
2	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
2.5	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
3	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
3.5	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
4	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
5	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
6	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
7	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
8	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
9	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
10	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
11	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
12	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
13	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
14	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
15	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	
15.9	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	

REV : E
23/07/2019

0 - 0.6° CRANE SIDE SLOPE:

**PC28: TELE BOOM 1 - 25t LIFTING LUG
(2270kg COUNTERWEIGHT ON REAR)**

BOOM LENGTH	7.15	8.15	9.15	10.15	11.15	12.15	13.15	14.15	14.45	
LUG LENGTH	5,19	5,70	6,20	6,70	7,20	7,70	8,20	8,70	9,20	9,35
RADIUS	25000	25000	25000	25000	25000	25000				
1.0	23000	23000	23000	23000	23000	23000				
2.0	20500	20500	20500	20500	20500	20500				
1.5	17500	17500	17500	17500	17500	17500				
2.5	15130	15130	15130	15130	15130	15130				
3.0	12220	12220	12220	12220	12220	12220				
3.5	11970	11970	11970	11970	11970	11970				
4.0	11660	11660	11660	11660	11660	11660				
4.5	10400	10330	10330	10330	10330	10330				
5.0	9120	9120	9120	9120	9120	9120				
5.5	8000	8000	8000	8000	8000	8000				
6.0	7000	7000	7000	7000	7000	7000				
6.5	6110	6110	6110	6110	6110	6110				

LMI DUTY 105-66 PICK AND CARRY

- THIS CHART IS FOR CRANE SIDE SLOPE FROM 0° TO 0.6°. CRANE SIDE SLOPE LARGER THAN 0.6° THE LMI WILL DERATE AUTOMATICALLY
- STABILITY AS PER EN1300:2010 (MOD) AND AS1418.5 2013 PART 4.1.2.6.1 PICK AND CARRY 66.6% OF TIPPING LOAD
- OPERATION OF THIS MACHINE WITH HEAVIER LOADS THAN THE CAPACITIES LISTED IS STRICTLY PROHIBITED. MACHINE TIPPING WITH BOOM EXTENSION OCCURS RAPIDLY AND WITHOUT ADVANCE WARNING
- LIFTING IS TO BE VERTICAL ONLY
- MASS OF SLINGS AND HOOK BLOCK TO BE ADDED TO LOAD
- DURING OPERATION, WIND SPEED MUST NOT EXCEED 36 KM/H (10 M/S)
- READ AND UNDERSTAND CRANE USER MANUALS BEFORE OPERATING
- BOOM ANGLE IS WITH RESPECT TO THE HORIZONTAL
- SPARE WHEEL NOT INCLUDED AS COUNTERWEIGHT
- LOADS ABOVE THE BOLD RED LINE ARE LIMITED STRUCTURALLY
- LOADS BELOW THE BOLD RED LINE ARE LIMITED BY STABILITY
- BOOM LENGTH TO NOT EXCEED 14.45m

Rated Capacity (kg) for 0°-10° articulation
Rated Capacity (kg) for 11°-20° articulation
Rated Capacity (kg) for 21°-30° articulation
Rated Capacity (kg) for 31°-44° articulation

0 - 0.6° CRANE SIDE SLOPE:

**PC28: TELE BOOM 1 - 25t LIFTING LUG
(2270kg COUNTERWEIGHT ON REAR)**

BOOM LENGTH	6.12	7.15	8.15	9.15	10.15	11.15	12.15	13.15	14.15	14.45
LUG LENGTH	5.19	5.70	6.20	6.70	7.20	7.70	8.20	8.70	9.20	9.35
RADIUS	25000	25000	25000	25000	25000	25000	25000	25000	25000	
1.0	20500	20500	20500	20500	20500	20500	20500	20500	20500	
	17500	17500	17500	17500	17500	17500	17500	17500	17500	
1.5	24860	24860	24860	24860	24860	24860	24860	24860	24860	
	23870	23870	23870	23870	23870	23870	23870	23870	23870	
2.0	20390	20390	20390	20390	20390	20390	20390	20390	20390	
	17400	17400	17400	17400	17400	17400	17400	17400	17400	
2.5	20760	20760	20760	20760	20760	20760	20760	20760	20760	
	19100	19100	19100	19100	19100	19100	19100	19100	19100	
3.0	17020	17020	17020	17020	17020	17020	17020	17020	17020	
	14530	14530	14530	14530	14530	14530	14530	14530	14530	
3.5	19240	19240	19240	19240	19240	19240	19240	19240	19240	
	17700	17700	17700	17700	17700	17700	17700	17700	17700	
4.0	15780	15780	15780	15780	15780	15780	15780	15780	15780	
	13470	13470	13470	13470	13470	13470	13470	13470	13470	
4.5	16710	16610	16610	16610	16610	16610	16610	16610	16610	
	15370	15280	15280	15280	15280	15280	15280	15280	15280	
5.0	13700	13620	13620	13620	13620	13620	13620	13620	13620	
	11700	11630	11630	11630	11630	11630	11630	11630	11630	
5.5	13700	13680	13680	13680	13680	13680	13680	13680	13680	
	12670	12590	12400	12320	12320	12320	12320	12320	12320	
6.0	9640	9580	9440	9370	9370	9370	9370	9370	9370	
	10800	10620	10620	10620	10620	10620	10620	10620	10620	
6.5	7560	7430	7430	7430	7430	7430	7430	7430	7430	
	6780	6780	6780	6780	6780	6780	6780	6780	6780	
7.0	5990	5990	5990	5990	5990	5990	5990	5990	5990	
	5580	5580	5580	5580	5580	5580	5580	5580	5580	
7.5	6780	6780	6780	6780	6780	6780	6780	6780	6780	
	6450	6450	6450	6450	6450	6450	6450	6450	6450	
8.0	5750	5750	5750	5750	5750	5750	5750	5750	5750	
	4910	4910	4910	4910	4910	4910	4910	4910	4910	
8.5	6060	6060	6060	6060	6060	6060	6060	6060	6060	
	5590	5590	5590	5590	5590	5590	5590	5590	5590	
9.0	5140	5140	5140	5140	5140	5140	5140	5140	5140	
	4580	4580	4580	4580	4580	4580	4580	4580	4580	
9.5	3910	3910	3910	3910	3910	3910	3910	3910	3910	

**LMI DUTY 105-75
STATIONARY**

• THIS CHART IS FOR CRANE SIDE SLOPE FROM 0° TO 0.6°. CRANE SIDE SLOPE LARGER THAN 0.6° THE LMI WILL DERATE AUTOMATICALLY
• STABILITY AS PER EN13000:2010 (MOD) AND AS1418.5 2013 PART 4.1.2.6.1
• STATIONARY 75% OF TIPPING LOAD WITH HOLD BRAKE APPLIED
• OPERATION OF THIS MACHINE WITH HEAVIER LOADS THAN THE CAPACITIES LISTED IS STRICTLY PROHIBITED. MACHINE TIPPING WITH BOOM EXTENSION OCCURS RAPIDLY AND WITHOUT ADVANCE WARNING
• LIFTING IS TO BE VERTICAL ONLY
• MASS OF SLINGS AND HOOK BLOCK TO BE ADDED TO LOAD
• DURING OPERATION, WIND SPEED MUST NOT EXCEED 36 KM/H (10 M/S)
• READ AND UNDERSTAND CRANE USER MANUALS BEFORE OPERATING
• BOOM ANGLE IS WITH RESPECT TO THE HORIZONTAL
• SPARE WHEEL NOT INCLUDED AS COUNTERWEIGHT
• LOADS ABOVE THE BOLD RED LINE ARE LIMITED STRUCTURALLY
• LOADS BELOW THE BOLD RED LINE ARE LIMITED BY STABILITY
• BOOM LENGTH TO NOT EXCEED 14.45m



0 - 0.6° CRANE SIDE SLOPE

LUG LENGTH (m)	RADIUS (m)	4.89
1	25000	25000
	23000	23000
	20500	20500
	17500	17500
1.5	23000	23000
	21160	21160
	18860	18860
	16100	16100
2	20500	20500
	18860	18860
	16810	16810
	14350	14350
2.2	19000	19000
	17480	17480
	15580	15580
	13300	13300

PC28: BASE BOOM - 28t LIFTING LUG (2270kg COUNTERWEIGHT ON REAR)

LMI DUTY 106-66 PICK AND CARRY

- THIS CHART IS FOR CRANE SIDE SLOPE FROM 0° TO 0.6°. CRANE SIDE SLOPE LARGER THAN 0.6° THE LMI WILL DERATE AUTOMATICALLY
- STABILITY AS PER EN13000:2010 (MOD) AND AS1418.5 2013 PART 4.1.2.6.1 PICK AND CARRY 66.6% OF TIPPING LOAD
- OPERATION OF THIS MACHINE WITH HEAVIER LOADS THAN THE CAPACITIES LISTED IS STRICTLY PROHIBITED. MACHINE TIPPING WITH BOOM EXTENSION OCCURS RAPIDLY AND WITHOUT ADVANCE WARNING
- LIFTING IS TO BE VERTICAL ONLY
- MASS OF SLINGS AND HOOK BLOCK TO BE ADDED TO LOAD
- DURING OPERATION, WIND SPEED MUST NOT EXCEED 36 KM/H (10 M/S)
- READ AND UNDERSTAND CRANE USER MANUALS BEFORE OPERATING
- SPARE WHEEL NOT INCLUDED AS COUNTERWEIGHT
- LOADS ABOVE THE BOLD RED LINE ARE LIMITED STRUCTURALLY
- LOADS BELOW THE BOLD RED LINE ARE LIMITED BY STABILITY
- BOOM TO BE FULLY RETRACTED

Rated Capacity [kg] for 0°-10° articulation
Rated Capacity [kg] for 11°-20° articulation
Rated Capacity [kg] for 21°-30° articulation
Rated Capacity [kg] for 31°-44° articulation

REV : E
23/07/2019

0 - 0.6° CRANE SIDE SLOPE

**PC28: BASE BOOM - 28t LIFTING LUG
(2270kg COUNTERWEIGHT ON REAR)**

LUG LENGTH (m)	4.89
RADIUS (m)	
1	28000
	25760
	22960
	19600
1.5	25000
	23000
	20500
	17500
2	23060
	21220
	18910
	16140
2.2	21380
	19670
	17530
	14970

LMI DUTY 106-75 STATIONARY

**PC28: BASE BOOM - 28t LIFTING LUG
(2270kg COUNTERWEIGHT ON REAR)**

- THIS CHART IS FOR CRANE SIDE SLOPE FROM 0° TO 0.6° . CRANE SIDE SLOPE LARGER THAN 0.6° THE LMI WILL DERATE AUTOMATICALLY
- STABILITY AS PER EN13000:2010 (MOD) AND AS1418.5 2013 PART 4.1.2.6.1 STATIONARY 75% OF TIPPING LOAD WITH HOLD BRAKE APPLIED
- OPERATION OF THIS MACHINE WITH HEAVIER LOADS THAN THE CAPACITIES LISTED IS STRICTLY PROHIBITED. MACHINE TIPPING WITH BOOM EXTENSION OCCURS RAPIDLY AND WITHOUT ADVANCE WARNING
- LIFTING IS TO BE VERTICAL ONLY
- MASS OF SLINGS AND HOOK BLOCK TO BE ADDED TO LOAD
- DURING OPERATION, WIND SPEED MUST NOT EXCEED 36 KM/H (10 M/S)
- READ AND UNDERSTAND CRANE USER MANUALS BEFORE OPERATING
- SPARE WHEEL NOT INCLUDED AS COUNTERWEIGHT
- LOADS ABOVE THE BOLD RED LINE ARE LIMITED STRUCTURALLY
- LOADS BELOW THE BOLD RED LINE ARE LIMITED BY STABILITY
- BOOM TO BE FULLY RETRACTED

Rated Capacity (kg) for 0°-10° articulation
Rated Capacity (kg) for 11°-20° articulation
Rated Capacity (kg) for 21°-30° articulation
Rated Capacity (kg) for 31°-44° articulation

REV : E
23/07/2019

LMI DUTY 107

PC28 MOBILE CRANE: MAN BASKET

2270KG COUNTERWEIGHT ON: REAR

RADIUS (m)	MAIN BOOM 6.12m to 18.64m	MAN BASKET 1.43m
1	275 275 275	275 275 275
2	275 275 275	275 275 275
4	275 275 275	275 275 275
6	275 275 275	275 275 275
8	275 275 275	275 275 275
10	275 275 275	275 275 275
12	275 275 275	275 275 275
14	275 275 275	275 275 275
16	275 275 275	275 275 275
18	275 275 275	275 275 275
20.1	275 275 275	275 275 275

- THIS CHART IS FOR CRANE SIDE SLOPE FROM 0° TO 5° CRANE SIDE SLOPE
 - STABILITY AS PER EN13000:2010 (MOD) AND AS1418.5 2013 PART 4.1.2.6.1 PICK AND CARRY 66.6% OF TIPPING LOAD
 - OPERATION OF THIS MACHINE WITH HEAVIER LOADS THAN THE CAPACITIES LISTED IS STRICTLY PROHIBITED. MACHINE TIPPING WITH BOOM EXTENSION OCCURS RAPIDLY AND WITHOUT ADVANCE WARNING
 - LIFTING IS TO BE VERTICAL ONLY
 - MASS OF LIFTING EQUIPMENT TO BE ADDED TO LOAD
 - DURING OPERATION, WIND SPEED MUST NOT EXCEED 36 KM/H (10 M/S)
 - READ AND UNDERSTAND CRANE USER MANUALS BEFORE OPERATING
 - BOOM ANGLE IS WITH RESPECT TO THE HORIZONTAL
 - SPARE WHEEL NOT INCLUDED AS COUNTERWEIGHT
 - LOADS ABOVE THE BOLD RED LINE ARE LIMITED STRUCTURALLY
 - LOADS BELOW THE BOLD RED LINE ARE LIMITED BY STABILITY
 - HOOK BLOCK TO BE REMOVED
 - MANBASKET CENTER FROM RHINO MOUNT IS 1.43M
 - 275kg SWL BASKET CAPACITY
 - 225kg BASKET TARE WEIGHT

Rated Capacity [kg] for 0°-10° articulation
Rated Capacity [kg] for 11°-20° articulation
Rated Capacity [kg] for 21°-30° articulation
Rated Capacity [kg] for 31°-44° articulation

REV: F
30/07/2019

**0° TO 5° CRANE SIDE SLOPE:
PC28 MOBILE CRANE: FLY JIB**

2270kg COUNTERWEIGHT ON: REAR

	MAIN BOOM 6.12m to 18.64m			FLY JIB 1.9m		
RADIUS (m)	0° OFFSET	20° OFFSET	40° OFFSET	0° OFFSET	20° OFFSET	40° OFFSET
1	108	109	110	750	750	750
2	750	750	750	750	750	750
4	750	750	750	750	750	750
6	750	750	750	750	750	750
8	750	750	750	750	750	750
10	750	750	750	750	750	750
12	750	750	750	750	750	750
14	750	750	750	750	750	750
16	750	750	750	750	750	750
18	750	750	750	750	750	750
20.3	750	750	750	750	750	750
20.5	750	750	750	750	750	750

• MAIN BOOM 6.12m to 18.64m	• THIS CHART IS FOR CRANE SIDE SLOPE FROM 0° TO 5°. CRANE SIDE STABILITY AS PER EN13000-2010 (MOD) AND AS1418.5-2013 PART 4.1.2.6.1
• FLY JIB 1.9m	• STABILITY AS PER EN13000-2010 (MOD) AND AS1418.5-2013 PART 4.1.2.6.1
• 0° OFFSET	• PICK AND CARRY 66.6% OF TIPPING LOAD
• 20° OFFSET	• OPERATION OF THIS MACHINE WITH HEAVIER LOADS THAN THE CAPACITIES LISTED IS STRICTLY PROHIBITED. MACHINE TIPPING WITH BOOM EXTENSION OCCURS RAPIDLY AND WITHOUT ADVANCE WARNING
• 40° OFFSET	• LIFTING IS TO BE VERTICAL ONLY
• 0° OFFSET	• MASS OF LIFTING EQUIPMENT TO BE ADDED TO LOAD
• 20° OFFSET	• DURING OPERATION, WIND SPEED MUST NOT EXCEED 36 KM/H (10 M/S)
• 40° OFFSET	• READ AND UNDERSTAND CRANE USER MANUALS BEFORE OPERATING BOOM ANGLE IS WITH RESPECT TO THE HORIZONTAL
• 0° OFFSET	• SPARE WHEEL NOT INCLUDED AS COUNTERTIMEIGHT
• 20° OFFSET	• LOADS ABOVE THE BOLD RED LINE ARE LIMITED STRUCTURALLY
• 40° OFFSET	• LOADS BELOW THE BOLD RED LINE ARE LIMITED BY STABILITY
• 0° OFFSET	• HOOK BLOCK TO BE REMOVED

Rated Capacity (kg) for 0°-10° articulation
Rated Capacity (kg) for 11°-20° articulation
Rated Capacity (kg) for 21°-30° articulation
Rated Capacity (kg) for 31°-44° articulation

REV : G
12/08/2019

0 - 0.6° CRANE SIDE SLOPE: PC28 MOBILE CRANE: MAIN HOIST		2270kg plus 1100kg S.L.COUNTERWEIGHT ON REAR												STATIONARY		LMI DUTY 201-75						
RADIUS	BOOM LENGTH(M)	6.12	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.45	15.50	16.50	17.50	18.64
1	21800	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	
	2592	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000	23000	
1.5	19320	17500	17500	17500	17500	17500	17500	17500	17500	17500	17500	17500	17500	17500	17500	17500	17500	17500	17500	17500	17500	
1.5	23500	23500	23500	23500	23500	23500	23500	23500	23500	23500	23500	23500	23500	23500	23500	23500	23500	23500	23500	23500	23500	
2	21620	21620	21620	21620	21620	21620	21620	21620	21620	21620	21620	21620	21620	21620	21620	21620	21620	21620	21620	21620	21620	
2.5	19720	19720	19720	19720	19720	19720	19720	19720	19720	19720	19720	19720	19720	19720	19720	19720	19720	19720	19720	19720	19720	
2.5	21700	21700	21700	21700	21700	21700	21700	21700	21700	21700	21700	21700	21700	21700	21700	21700	21700	21700	21700	21700	21700	
3	17523	17523	17523	17523	17523	17523	17523	17523	17523	17523	17523	17523	17523	17523	17523	17523	17523	17523	17523	17523	17523	
3	14550	14550	14550	14550	14550	14550	14550	14550	14550	14550	14550	14550	14550	14550	14550	14550	14550	14550	14550	14550	14550	
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3	18168	18168	18168	18168	18168	18168	18168	18168	18168	18168	18168	18168	18168	18168	18168	18168	18168	18168	18168	18168	18168	
4	16190	16190	16190	16190	16190	16190	16190	16190	16190	16190	16190	16190	16190	16190	16190	16190	16190	16190	16190	16190	16190	
4	13820	13740	13660	13660	13660	13660	13660	13660	13660	13660	13660	13660	13660	13660	13660	13660	13660	13660	13660	13660	13660	
4.5	17560	17560	17440	17440	17440	17440	17440	17440	17440	17440	17440	17440	17440	17440	17440	17440	17440	17440	17440	17440	17440	
4.5	16750	16750	16750	16750	16750	16750	16750	16750	16750	16750	16750	16750	16750	16750	16750	16750	16750	16750	16750	16750	16750	
4.5	14480	14390	14390	14390	14390	14390	14390	14390	14390	14390	14390	14390	14390	14390	14390	14390	14390	14390	14390	14390	14390	
4.5	12360	12360	12360	12360	12360	12360	12360	12360	12360	12360	12360	12360	12360	12360	12360	12360	12360	12360	12360	12360	12360	
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6	9180	9180	9180	9180	9180	9180	9180	9180	9180	9180	9180	9180	9180	9180	9180	9180	9180	9180	9180	9180	9180	
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8		7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840	7840
9		6690	6690	6690	6690	6690	6690	6690	6690	6690	6690	6690	6690	6690	6690	6690	6690	6690	6690	6690	6690	6690
9		5260	5260	5260	5260	5260	5260	5260	5260	5260	5260	5260	5260	5260	5260	5260	5260	5260	5260	5260	5260	5260
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10		3310	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310
11			4370	4370	4370	4370	4370	4370	4370	4370	4370	4370	4370	4370	4370	4370	4370	4370	4370	4370	4370	4370
11			4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350	4350
12			3880	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880	3880
12			3620	3620	3620	3620	3620	3620	3620	3620	3620	3620	3620	3620	3620	3620	3620	3620	3620	3620	3620	3620
13			3230	3230	3230	3230	3230	3230	3230	3230	3230	3230	3230	3230	3230	3230	3230	3230	3230	3230	3230	3230
13			3140	3140	3140	3140	3140	3140	3140	3140	3140	3140	3140	3140	3140	3140	3140	3140	3140	3140	3140	3140
14			3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150
15			3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
15.9			2480	2480	2480	2480	2480	2480	2480	2480	2480	2480	2480	2480	2480	2480	2480	2480	2480	2480	2480	2480
15.9			2440	2440	2440	2440	2440	2440	2440	2440	2440	2440	2440	2440	2440	2440	2440	2440	2440	2440	2440	2440
15.9			2090	2090	2090	2090	2090	2090	2090	2090	2090	2090	2090	2090	2090	2090	2090	2090	2090	2090	2090	2090
15.9			2640	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640	2640
15.9			2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740	2740

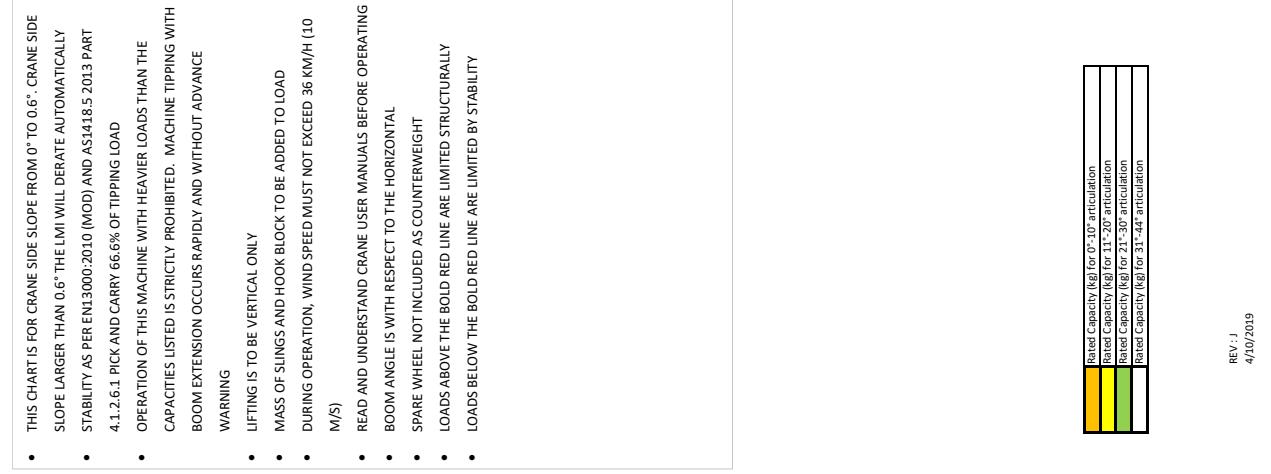
• THIS CHART IS FOR CRANE SIDE SLOPE FROM 0° TO 0.6° CRANE SIDE
 • SLOPE LARGER THAN 0.6° THE LMI WILL DERATE AUTOMATICALLY
 • STABILITY AS PER EN13000-2:2010 (MOD) AND ASI 418.5 / 2013 PART
 • 4.1.2.6.1 STATIONARY 75% OF TIPPING LOAD WITH HOLD BRAKE
 • APPLIED
 • OPERATION OF THIS MACHINE WITH HEAVIER LOADS THAN THE
 • CAPACITIES LISTED IS STRICTLY PROHIBITED. MACHINE TIPPING WITH
 • BOOM EXTENSION OCCURS RAPIDLY AND WITHOUT ADVANCE
 • WARNING
 • READ AND UNDERSTAND CRANE USER MANUALS BEFORE OPERATING
 • BOOM ANGLE IS WITH RESPECT TO THE HORIZONTAL
 • SPARE WHEEL NOT INCLUDED AS COUNTERWEIGHT
 • LOADS ABOVE THE BOLD RED LINE ARE LIMITED STRUCTURALLY
 • LOADS BELOW THE BOLD RED LINE ARE LIMITED BY STABILITY

• MASS OF SLINGS AND HOOK BLOCK TO BE ADDED TO LOAD
 • DURING OPERATION, WIND SPEED MUST NOT EXCEED 36 KM/H (10 M/S)
 • LOADS BELOW THE BOLD RED LINE ARE LIMITED BY STABILITY

REV: H
 6/09/2019

LMI DUTY 202-66

0 - 0.6° CRANE SIDE SLOPE: PC28 MOBILE CRANE:		RHINO		2270kg plus 1100kg S.L. COUNTERWEIGHT ON REAR		PICK AND CARRY	
RADIUS	BOOM LENGTH (M)	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
1	6.12	6.50	7.00	7.50	8.00	8.50	9.00
1	15000	15000	15000	15000	15000	15000	15000
1.5	15000	15000	15000	15000	15000	15000	15000
1.5	15000	15000	15000	15000	15000	15000	15000
1.5	15000	15000	15000	15000	15000	15000	15000
1.5	15000	15000	15000	15000	15000	15000	15000
1.5	15000	15000	15000	15000	15000	15000	15000
1.5	15000	15000	15000	15000	15000	15000	15000
2	15000	15000	15000	15000	15000	15000	15000
2	15000	15000	15000	15000	15000	15000	15000
2	15000	15000	15000	15000	15000	15000	15000
2.5	15000	15000	15000	15000	15000	15000	15000
2.5	15000	15000	15000	15000	15000	15000	15000
2.5	15000	15000	15000	15000	15000	15000	15000
3	15000	15000	15000	15000	15000	15000	15000
3	15000	15000	15000	15000	15000	15000	15000
3	15000	15000	15000	15000	15000	15000	15000
3	15000	15000	15000	15000	15000	15000	15000
3.5	15000	15000	15000	15000	15000	15000	15000
3.5	15000	15000	15000	15000	15000	15000	15000
3.5	15000	15000	15000	15000	15000	15000	15000
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4	15000	15000	15000	15000	15000	15000	15000
4	15000	15000	15000	15000	15000	15000	15000
4	15000	15000	15000	15000	15000	15000	15000
4.5	15000	15000	15000	15000	15000	15000	15000
4.5	15000	15000	15000	15000	15000	15000	15000
4.5	15000	15000	15000	15000	15000	15000	15000
4.5	15000	15000	15000	15000	15000	15000	15000
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6	15000	15000	15000	15000	15000	15000	15000
6	15000	15000	15000	15000	15000	15000	15000
7	15000	15000	15000	15000	15000	15000	15000
7	15000	15000	15000	15000	15000	15000	15000
7	15000	15000	15000	15000	15000	15000	15000
7	15000	15000	15000	15000	15000	15000	15000
8	15000	15000	15000	15000	15000	15000	15000
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14	15000	15000	15000	15000	15000	15000	15000
15	15000	15000	15000	15000	15000	15000	15000
15	15000	15000	15000	15000	15000	15000	15000
15.9	15000	15000	15000	15000	15000	15000	15000



TRT TIDD PC28 2020 Rev C	2900	2940	2980	3020	3060	3100	3140
2210	2240	2280	2320	2360	2400	2440	2480
2260	2290	2330	2370	2410	2450	2490	2530
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4060	4090	4130	4170	4210	4250	4290	4330
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4460	4490	4530	4570	4610	4650	4690	4730
4510	4540	4580	4620	4660	4700	4740	4780
4560	4590	4630	4670</				

LMI DUTY 202-75



REV: J
4/10/2019



TIDD PC28

RATED CAPACITY MANUAL

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