TIDD CRANE

TIDD PC28

RATED CAPACITY MANUAL

TRT ...for the long haul

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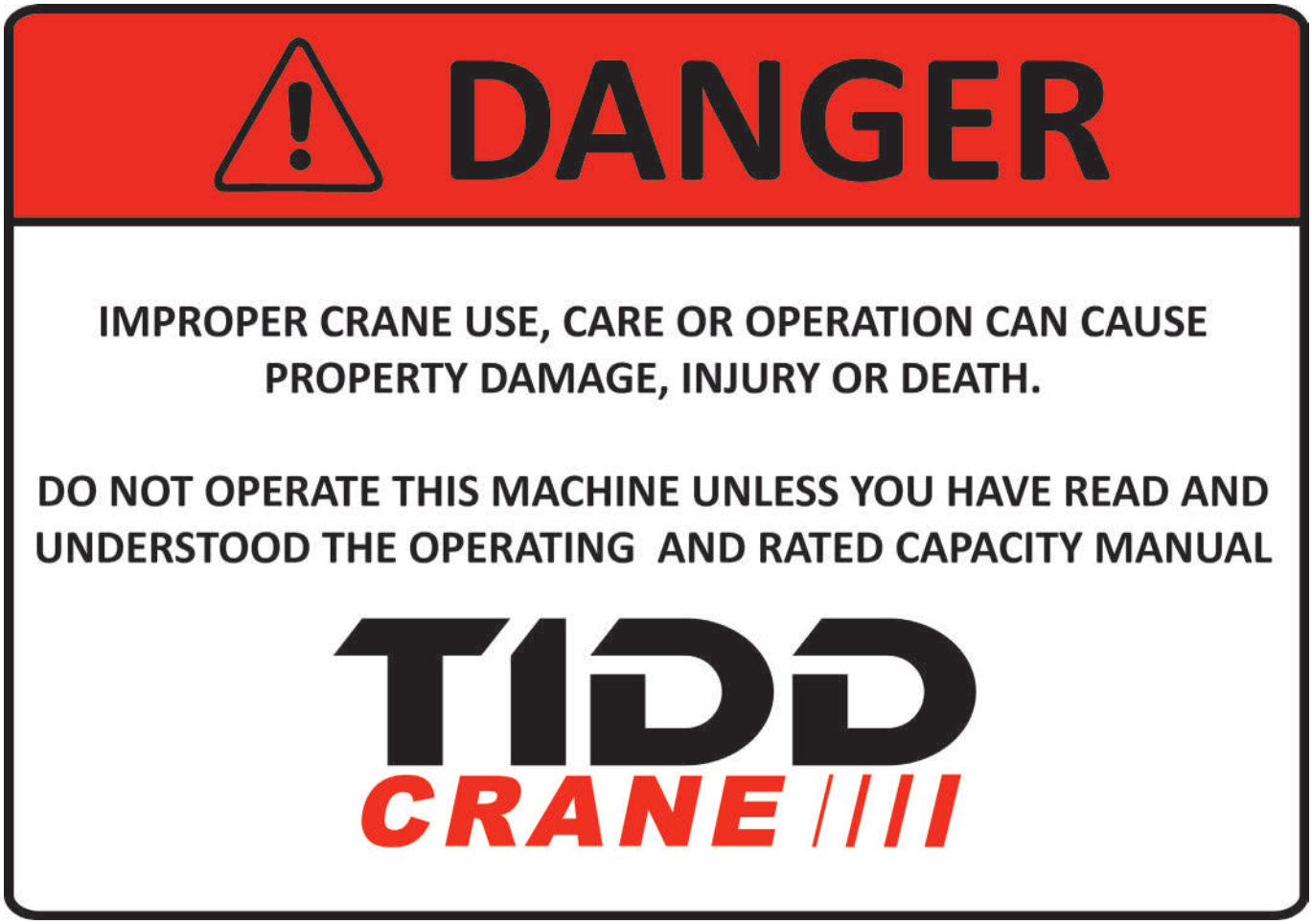
Warnings


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
TIDD
CRANE

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	**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.**

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/0.6º). 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

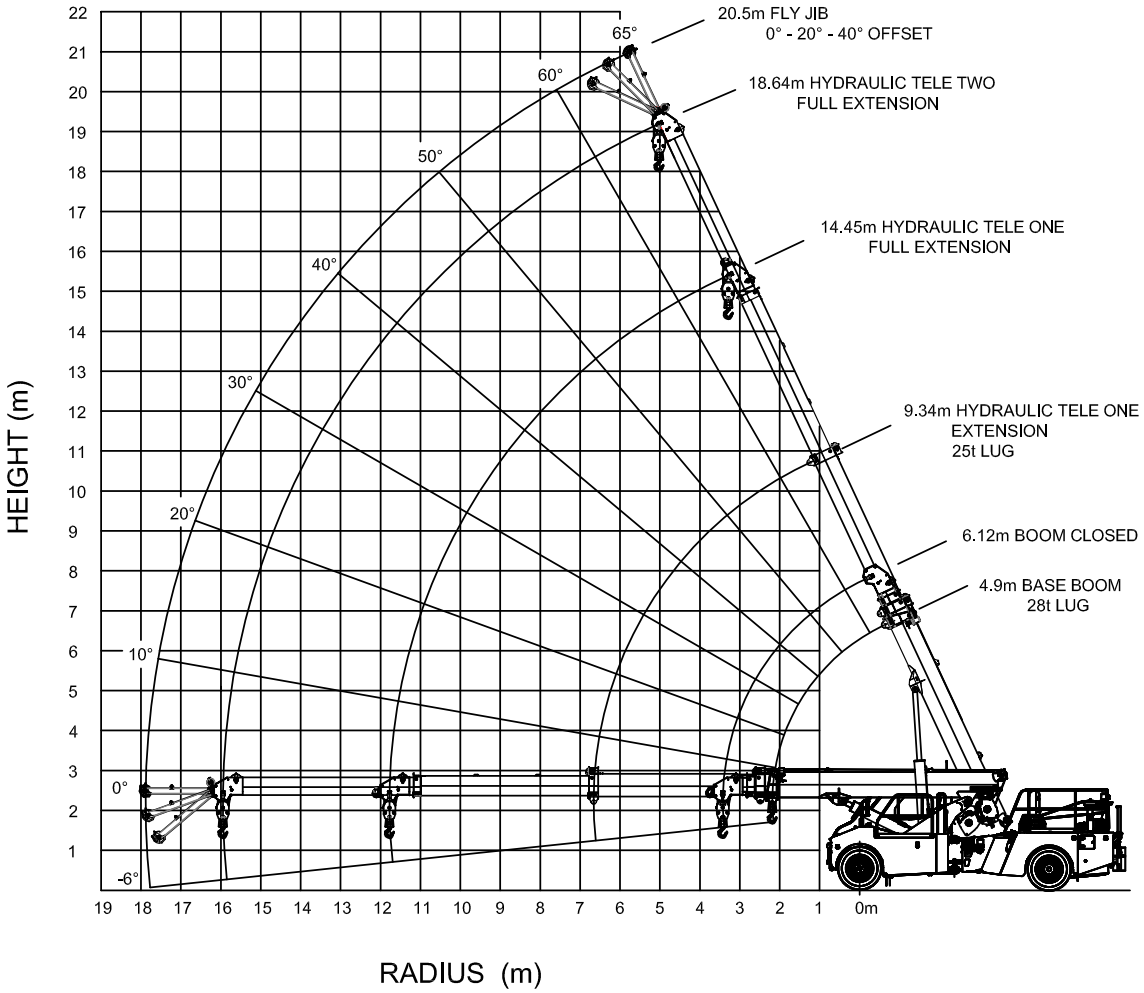
TYRE INFLATION CHART			
POSITION	SIZE	INFLATION PRESSURE (PSI)	
		PICK & CARRY	HIGHWAY TRAVEL
FRONT	12.00 X 20	130	130*
REAR	12.00 X 20	130	130*

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

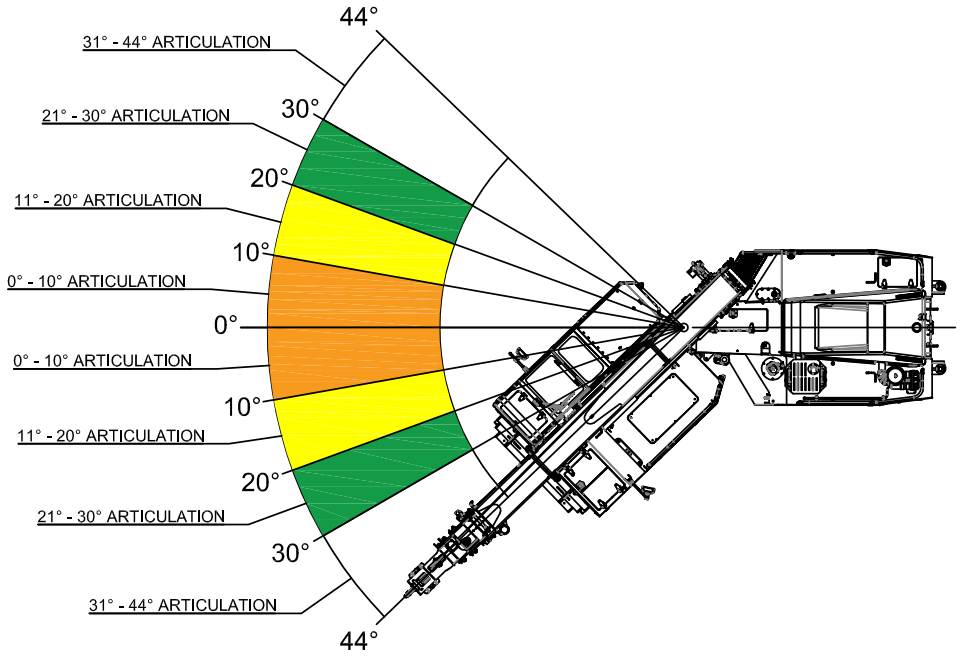
PC28: FRONT AXLE WEIGHTS

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 **FRONT**	2270kg COUNTERWEIGHT ON ***REAR***	2270KG + 1100KG COUNTERWEIGHT ON ***REAR***
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/mm2

Load Charts

0 - 0.6° CRANE SIDE SLOPE: PC28 MOBILE CRANE: **MAIN HOIST** - 2270kg COUNTER WEIGHT ON: **FRONT** | PICK AND CARRY

LMI DUTY ***001-66***

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	22100	22100	22100	22100	22100	22100															
	20330	20330	20330	20330	20330	20330															
	18120	18120	18120	18120	18120	18120															
	15470	15470	15470	15470	15470	15470															
1.5	19500	19500	19500	19500	19500	19500	19500	19500													
	17940	17940	17940	17940	17940	17940	17940	17940													
	15990	15990	15990	15990	15990	15990	15990	15990													
	13650	13650	13650	13650	13650	13650	13650	13650													
2	18100	18100	18100	18100	18100	18100	18100	18100	18100	18100											
	16650	16650	16650	16650	16650	16650	16650	16650	16650	16650											
	14840	14840	14840	14840	14840	14840	14840	14840	14840	14840											
	12670	12670	12670	12670	12670	12670	12670	12670	12670	12670											
2.5	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650								
	13480	13480	13480	13480	13480	13480	13480	13480	13480	13480	13480	13480	13480								
	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010								
	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260								
3	12800	12700	12600	12600	12600	12600	12600	12600	12600	12600	12500	12400	12400	12200	12000						
	11780	11680	11590	11590	11590	11590	11590	11590	11590	11590	11500	11410	11410	11220	11040						
	10500	10410	10330	10330	10330	10330	10330	10330	10330	10330	10250	10170	10170	10000	9840						
	8960	8890	8820	8820	8820	8820	8820	8820	8820	8820	8750	8680	8680	8540	8400						
3.5		10700	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600					
		9840	9750	9750	9750	9750	9750	9750	9750	9750	9750	9750	9750	9750	9750	9750					
		8770	8690	8690	8690	8690	8690	8690	8690	8690	8690	8690	8690	8690	8690	8690					
		7490	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420					
4			9500	9500	9400	9300	9300	9300	9300	9300	9300	9300	9200	9100	9100	9000	8900				
			8740	8740	8650	8560	8560	8560	8560	8560	8560	8560	8460	8370	8370	8280	8190				
			7790	7790	7710	7630	7630	7630	7630	7630	7630	7630	7540	7460	7460	7380	7300				
			6650	6650	6580	6510	6510	6510	6510	6510	6510	6510	6440	6370	6370	6300	6230				
4.5				8500	8500	8500	8500	8500	8500	8400	8400	8400	8300	8300	8300	8300	8300	8300			
				7820	7820	7820	7820	7820	7820	7730	7730	7730	7640	7640	7640	7640	7640	7640			
				6970	6970	6970	6970	6970	6970	6890	6890	6890	6810	6810	6810	6810	6810	6810			
				5950	5950	5950	5950	5950	5950	5880	5880	5880	5810	5810	5810	5810	5810	5810			
5					7200	7150	7150	7150	7150	7100	7100	7100	7050	7000	7000	6950	6900	6950	7000	7000	
					6620	6580	6580	6580	6580	6530	6530	6530	6490	6440	6440	6390	6350	6390	6440	6440	
					5900	5860	5860	5860	5860	5820	5820	5820	5780	5740	5740	5700	5660	5700	5740	5740	
					5040	5010	5010	5010	5010	4970	4970	4970	4940	4900	4900	4870	4830	4870	4900	4900	
6							5800	5800	5750	5750	5750	5700	5700	5650	5650	5650	5600	5600	5700	5700	5800
							5340	5340	5290	5290	5290	5240	5240	5200	5200	5200	5150	5150	5240	5240	5340
							4760	4760	4720	4720	4720	4670	4670	4630	4630	4630	4590	4590	4670	4670	4760
							4060	4060	4030	4030	4030	3990	3990	3960	3960	3960	3920	3920	3990	3990	4060
7									4700	4700	4650	4650	4600	4600	4550	4550	4500	4550	4550	4600	4700
									4320	4320	4280	4280	4230	4230	4190	4190	4140	4190	4190	4230	4320
									3850	3850	3810	3810	3770	3770	3730	3730	3690	3730	3730	3770	3850
									3290	3290	3260	3260	3220	3220	3190	3190	3150	3190	3190	3220	3290
8											3800	3800	3800	3800	3700	3700	3700	3750	3750	3800	3900
											3500	3500	3500	3500	3400	3400	3400	3450	3450	3500	3590
											3120	3120	3120	3120	3030	3030	3030	3080	3080	3120	3200
											2660	2660	2660	2660	2590	2590	2590	2630	2630	2660	2730
9													3500	3500	3450	3450	3450	3400	3450	3500	3600
													3220	3220	3170	3170	3170	3130	3170	3220	3310
													2870	2870	2830	2830	2830	2790	2830	2870	2950
													2450	2450	2420	2420	2420	2380	2420	2450	2520
10															2950	2950	2950	2950	2950	3000	3100
															2710	2710	2710	2710	2710	2760	2850
															2420	2420	2420	2420	2420	2460	2540
															2070	2070	2070	2070	2070	2100	2170
11																	2550	2550	2550	2600	2700
																	2350	2350	2350	2390	2480
																	2090	2090	2090	2130	2210
																	1790	1790	1790	1820	1890
12																		2300	2300	2300	2400
																		2120	2120	2120	2210
																		1890	1890	1890	1970
																		1610	1610	1610	1680
13																			2100	2150	2200
																			1930	1980	2020
																			1720	1760	1800
																			1470	1510	1540
14																				1900	1900
																				1750	1750
																				1560	1560
																				1330	1330
15																					1700
																					1560
																					1390
																					1190
15.9																					1500
																					1380
																					1230
																					1050

- 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

	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 MOBILE CRANE: **MAIN HOIST** - 2270kg COUNTER WEIGHT ON: **FRONT** STATIONARY

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	24860	24860	24860	24860	24860	24860															
	22870	22870	22870	22870	22870	22870															
	20390	20390	20390	20390	20390	20390															
	17400	17400	17400	17400	17400	17400															
1.5	21940	21940	21940	21940	21940	21940	21940	21940													
	20180	20180	20180	20180	20180	20180	20180	20180													
	17990	17990	17990	17990	17990	17990	17990	17990													
	15360	15360	15360	15360	15360	15360	15360	15360													
2	20360	20360	20360	20360	20360	20360	20360	20360	20360	20360											
	18730	18730	18730	18730	18730	18730	18730	18730	18730	18730											
	16700	16700	16700	16700	16700	16700	16700	16700	16700	16700											
	14250	14250	14250	14250	14250	14250	14250	14250	14250	14250											
2.5	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								
	13510	13510	13510	13510	13510	13510	13510	13510	13510	13510	13510	13510	13510								
	11540	11540	11540	11540	11540	11540	11540	11540	11540	11540	11540	11540	11540								
3	14400	14290	14180	14180	14180	14180	14180	14180	14180	14180	14060	13950	13950	13730	13500						
	13250	13150	13050	13050	13050	13050	13050	13050	13050	13050	12940	12830	12830	12630	12420						
	11810	11720	11630	11630	11630	11630	11630	11630	11630	11630	11530	11440	11440	11260	11070						
	10080	10000	9930	9930	9930	9930	9930	9930	9930	9930	9840	9770	9770	9610	9450						
3.5		12040	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					
		9870	9780	9780	9780	9780	9780	9780	9780	9780	9780	9780	9780	9780	9780	9780					
		8430	8350	8350	8350	8350	8350	8350	8350	8350	8350	8350	8350	8350	8350	8350					
4			10690	10690	10580	10460	10460	10460	10460	10460	10460	10460	10350	10240	10240	10130	10010				
			9830	9830	9730	9620	9620	9620	9620	9620	9620	9620	9520	9420	9420	9320	9210				
			8770	8770	8680	8580	8580	8580	8580	8580	8580	8580	8490	8400	8400	8310	8210				
			7480	7480	7410	7320	7320	7320	7320	7320	7320	7320	7250	7170	7170	7090	7010				
4.5				9560	9560	9560	9560	9560	9560	9450	9450	9450	9340	9340	9340	9340	9340	9340			
				8800	8800	8800	8800	8800	8800	8690	8690	8690	8590	8590	8590	8590	8590	8590			
				7840	7840	7840	7840	7840	7840	7750	7750	7750	7660	7660	7660	7660	7660	7660			
				6690	6690	6690	6690	6690	6690	6620	6620	6620	6540	6540	6540	6540	6540	6540			
5					8100	8040	8040	8040	8040	7990	7990	7990	7930	7880	7880	7820	7760	7820	7880	7880	
					7450	7400	7400	7400	7400	7350	7350	7350	7300	7250	7250	7190	7140	7190	7250	7250	
					6640	6590	6590	6590	6590	6550	6550	6550	6500	6460	6460	6410	6360	6410	6460	6460	
					5670	5630	5630	5630	5630	5590	5590	5590	5550	5520	5520	5470	5430	5470	5520	5520	
6							6530	6530	6470	6470	6470	6410	6410	6360	6360	6360	6300	6300	6410	6410	6530
							6010	6010	5950	5950	5950	5900	5900	5850	5850	5850	5800	5800	5900	5900	6010
							5350	5350	5310	5310	5310	5260	5260	5220	5220	5220	5170	5170	5260	5260	5350
							4570	4570	4530	4530	4530	4490	4490	4450	4450	4450	4410	4410	4490	4490	4570
7									5290	5290	5230	5230	5180	5180	5120	5120	5060	5120	5120	5180	5290
									4870	4870	4810	4810	4770	4770	4710	4710	4660	4710	4710	4770	4870
									4340	4340	4290	4290	4250	4250	4200	4200	4150	4200	4200	4250	4340
									3700	3700	3660	3660	3630	3630	3580	3580	3540	3580	3580	3630	3700
8											4280	4280	4280	4280	4160	4160	4160	4220	4220	4280	4390
											3940	3940	3940	3940	3830	3830	3830	3880	3880	3940	4040
											3510	3510	3510	3510	3410	3410	3410	3460	3460	3510	3600
											3000	3000	3000	3000	2910	2910	2910	2950	2950	3000	3070
9													3940	3940	3880	3880	3880	3830	3880	3940	4050
													3620	3620	3570	3570	3570	3520	3570	3620	3730
													3230	3230	3180	3180	3180	3140	3180	3230	3320
													2760	2760	2720	2720	2720	2680	2720	2760	2840
10															3320	3320	3320	3320	3320	3380	3490
															3050	3050	3050	3050	3050	3110	3210
															2720	2720	2720	2720	2720	2770	2860
															2320	2320	2320	2320	2320	2370	2440
11																	2870	2870	2870	2930	3040
																	2640	2640	2640	2700	2800
																	2350	2350	2350	2400	2490
																	2010	2010	2010	2050	2130
12																		2590	2590	2590	2700
																		2380	2380	2380	2480
																		2120	2120	2120	2210
																		1810	1810	1810	1890
13																			2360	2420	2480
																			2170	2230	2280
																			1940	1980	2030
																			1650	1690	1740
14																				2140	2140
																				1970	1970
																				1750	1750
																				1500	1500
15																					1910
																					1760
																					1570
																					1340
15.9																					1690
																					1550
																					1390
																					1180

LMI DUTY ***001-75***

- 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

	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 MOBILE CRANE: **RHINO** - 2270kg COUNTER WEIGHT ON: **FRONT** | PICK AND CARRY

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	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													
	13650	13650	13650	13650	13650	13650	13650	13650													
2	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000											
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000											
	14840	14840	14840	14840	14840	14840	14840	14840	14840	14840											
	12670	12670	12670	12670	12670	12670	12670	12670	12670	12670											
2.5	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650	14650								
	13480	13480	13480	13480	13480	13480	13480	13480	13480	13480	13480	13480	13480								
	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010	12010								
	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260	10260								
3	12800	12700	12600	12600	12600	12600	12600	12600	12600	12600	12500	12400	12400	12200	12000						
	11780	11680	11590	11590	11590	11590	11590	11590	11590	11590	11500	11410	11410	11220	11040						
	10500	10410	10330	10330	10330	10330	10330	10330	10330	10330	10250	10170	10170	10000	9840						
	8960	8890	8820	8820	8820	8820	8820	8820	8820	8820	8750	8680	8680	8540	8400						
3.5		10700	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600	10600					
		9840	9750	9750	9750	9750	9750	9750	9750	9750	9750	9750	9750	9750	9750	9750					
		8770	8690	8690	8690	8690	8690	8690	8690	8690	8690	8690	8690	8690	8690	8690					
		7490	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420	7420					
4			9500	9500	9400	9300	9300	9300	9300	9300	9300	9300	9200	9100	9100	9000	8900				
			8740	8740	8650	8560	8560	8560	8560	8560	8560	8560	8460	8370	8370	8280	8190				
			7790	7790	7710	7630	7630	7630	7630	7630	7630	7630	7540	7460	7460	7380	7300				
			6650	6650	6580	6510	6510	6510	6510	6510	6510	6510	6440	6370	6370	6300	6230				
4.5				8500	8500	8500	8500	8500	8500	8400	8400	8400	8300	8300	8300	8300	8300	8300			
				7820	7820	7820	7820	7820	7820	7730	7730	7730	7640	7640	7640	7640	7640	7640			
				6970	6970	6970	6970	6970	6970	6890	6890	6890	6810	6810	6810	6810	6810	6810			
				5950	5950	5950	5950	5950	5950	5880	5880	5880	5810	5810	5810	5810	5810	5810			
5					7200	7150	7150	7150	7150	7100	7100	7100	7050	7000	7000	6950	6900	6950	7000	7000	
					6620	6580	6580	6580	6580	6530	6530	6530	6490	6440	6440	6390	6350	6390	6440	6440	
					5900	5860	5860	5860	5860	5820	5820	5820	5780	5740	5740	5700	5660	5700	5740	5740	
					5040	5010	5010	5010	5010	4970	4970	4970	4940	4900	4900	4870	4830	4870	4900	4900	
6							5800	5800	5750	5750	5750	5700	5700	5650	5650	5650	5600	5600	5700	5700	5800
							5340	5340	5290	5290	5290	5240	5240	5200	5200	5200	5150	5150	5240	5240	5340
							4760	4760	4720	4720	4720	4670	4670	4630	4630	4630	4590	4590	4670	4670	4760
							4060	4060	4030	4030	4030	3990	3990	3960	3960	3960	3920	3920	3990	3990	4060
7									4700	4700	4650	4650	4600	4600	4550	4550	4500	4550	4550	4600	4700
									4320	4320	4280	4280	4230	4230	4190	4190	4140	4190	4190	4230	4320
									3850	3850	3810	3810	3770	3770	3730	3730	3690	3730	3730	3770	3850
									3290	3290	3260	3260	3220	3220	3190	3190	3150	3190	3190	3220	3290
8											3800	3800	3800	3800	3700	3700	3700	3750	3750	3800	3900
											3500	3500	3500	3500	3400	3400	3400	3450	3450	3500	3590
											3120	3120	3120	3120	3030	3030	3030	3080	3080	3120	3200
											2660	2660	2660	2660	2590	2590	2590	2630	2630	2660	2730
9													3500	3500	3450	3450	3450	3400	3450	3500	3600
													3220	3220	3170	3170	3170	3130	3170	3220	3310
													2870	2870	2830	2830	2830	2790	2830	2870	2950
													2450	2450	2420	2420	2420	2380	2420	2450	2520
10															2950	2950	2950	2950	2950	3000	3100
															2710	2710	2710	2710	2710	2760	2850
															2420	2420	2420	2420	2420	2460	2540
															2070	2070	2070	2070	2070	2100	2170
11																	2550	2550	2550	2600	2700
																	2350	2350	2350	2390	2480
																	2090	2090	2090	2130	2210
																	1790	1790	1790	1820	1890
12																		2300	2300	2300	2400
																		2120	2120	2120	2210
																		1890	1890	1890	1970
																		1610	1610	1610	1680
13																			2100	2150	2200
																			1930	1980	2020
																			1720	1760	1800
																			1470	1510	1540
14																				1900	1900
																				1750	1750
																				1560	1560
																				1330	1330
15																					1700
																					1560
																					1390
																					1190
15.9																					1500
																					1380
																					1230
																					1050

LMI DUTY ***002-66***

- 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

	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 MOBILE CRANE: **RHINO** - 2270kg COUNTER WEIGHT ON: **FRONT** STATIONARY

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	14.45	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	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													
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											
	14250	14250	14250	14250	14250	14250	14250	14250	14250	14250											
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								
	13510	13510	13510	13510	13510	13510	13510	13510	13510	13510	13510	13510	13510								
	11540	11540	11540	11540	11540	11540	11540	11540	11540	11540	11540	11540	11540								
3	14400	14290	14180	14180	14180	14180	14180	14180	14180	14180	14060	13950	13950	13730	13500						
	13250	13150	13050	13050	13050	13050	13050	13050	13050	13050	12940	12830	12830	12630	12420						
	11810	11720	11630	11630	11630	11630	11630	11630	11630	11630	11530	11440	11440	11260	11070						
	10080	10000	9930	9930	9930	9930	9930	9930	9930	9930	9840	9770	9770	9610	9450						
3.5		12040	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					
		9870	9780	9780	9780	9780	9780	9780	9780	9780	9780	9780	9780	9780	9780	9780					
		8430	8350	8350	8350	8350	8350	8350	8350	8350	8350	8350	8350	8350	8350	8350					
4			10690	10690	10580	10460	10460	10460	10460	10460	10460	10460	10350	10240	10240	10130	10010				
			9830	9830	9730	9620	9620	9620	9620	9620	9620	9620	9520	9420	9420	9320	9210				
			8770	8770	8680	8580	8580	8580	8580	8580	8580	8580	8490	8400	8400	8310	8210				
			7480	7480	7410	7320	7320	7320	7320	7320	7320	7320	7250	7170	7170	7090	7010				
4.5				9560	9560	9560	9560	9560	9560	9450	9450	9450	9340	9340	9340	9340	9340	9340			
				8800	8800	8800	8800	8800	8800	8690	8690	8690	8590	8590	8590	8590	8590	8590			
				7840	7840	7840	7840	7840	7840	7750	7750	7750	7660	7660	7660	7660	7660	7660			
				6690	6690	6690	6690	6690	6690	6620	6620	6620	6540	6540	6540	6540	6540	6540			
5					8100	8040	8040	8040	8040	7990	7990	7990	7930	7880	7880	7820	7760	7820	7880	7880	
					7450	7400	7400	7400	7400	7350	7350	7350	7300	7250	7250	7190	7140	7190	7250	7250	
					6640	6590	6590	6590	6590	6550	6550	6550	6500	6460	6460	6410	6360	6410	6460	6460	
					5670	5630	5630	5630	5630	5590	5590	5590	5550	5520	5520	5470	5430	5470	5520	5520	
6							6530	6530	6470	6470	6470	6410	6410	6360	6360	6360	6300	6300	6410	6410	6530
							6010	6010	5950	5950	5950	5900	5900	5850	5850	5850	5800	5800	5900	5900	6010
							5350	5350	5310	5310	5310	5260	5260	5220	5220	5220	5170	5170	5260	5260	5350
							4570	4570	4530	4530	4530	4490	4490	4450	4450	4450	4410	4410	4490	4490	4570
7									5290	5290	5230	5230	5180	5180	5120	5120	5060	5120	5120	5180	5290
									4870	4870	4810	4810	4770	4770	4710	4710	4660	4710	4710	4770	4870
									4340	4340	4290	4290	4250	4250	4200	4200	4150	4200	4200	4250	4340
									3700	3700	3660	3660	3630	3630	3580	3580	3540	3580	3580	3630	3700
8											4280	4280	4280	4280	4160	4160	4160	4220	4220	4280	4390
											3940	3940	3940	3940	3830	3830	3830	3880	3880	3940	4040
											3510	3510	3510	3510	3410	3410	3410	3460	3460	3510	3600
											3000	3000	3000	3000	2910	2910	2910	2950	2950	3000	3070
9													3940	3940	3880	3880	3880	3830	3880	3940	4050
													3620	3620	3570	3570	3570	3520	3570	3620	3730
													3230	3230	3180	3180	3180	3140	3180	3230	3320
													2760	2760	2720	2720	2720	2680	2720	2760	2840
10															3320	3320	3320	3320	3320	3380	3490
															3050	3050	3050	3050	3050	3110	3210
															2720	2720	2720	2720	2720	2770	2860
															2320	2320	2320	2320	2320	2370	2440
11																	2870	2870	2870	2930	3040
																	2640	2640	2640	2700	2800
																	2350	2350	2350	2400	2490
																	2010	2010	2010	2050	2130
12																		2590	2590	2590	2700
																		2380	2380	2380	2480
																		2120	2120	2120	2210
																		1810	1810	1810	1890
13																			2360	2420	2480
																			2170	2230	2280
																			1940	1980	2030
																			1650	1690	1740
14																				2140	2140
																				1970	1970
																				1750	1750
																				1500	1500
15																					1910
																					1760
																					1570
																					1340
15.9																					1690
																					1550
																					1390
																					1180

- 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

	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° TO 5° CRANE SIDE SLOPE:

PC28 MOBILE CRANE: ***MAN BASKET***

LMI DUTY ***007***

2270kG COUNTERWEIGHT ON: ***FRONT***

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

LMI DUTY ***008, 009, 010***

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

	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 COUNTERWEIGHT ON: **REAR** | PICK AND CARRY

RADIUS — BOOM LENGTH (M)

RADIUS	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	25000	25000	25000	25000	25000	25000															
	23000	23000	23000	23000	23000	23000															
	20500	20500	20500	20500	20500	20500															
	17500	17500	17500	17500	17500	17500															
1.5	22100	22100	22100	22100	22100	22100	22100	22100													
	20330	20330	20330	20330	20330	20330	20330	20330													
	18120	18120	18120	18120	18120	18120	18120	18120													
	15470	15470	15470	15470	15470	15470	15470	15470													
2	20500	20500	20500	20500	20500	20500	20500	20500	20500	20500											
	18860	18860	18860	18860	18860	18860	18860	18860	18860	18860											
	16810	16810	16810	16810	16810	16810	16810	16810	16810	16810											
	14350	14350	14350	14350	14350	14350	14350	14350	14350	14350											
2.5	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000								
	17480	17480	17480	17480	17480	17480	17480	17480	17480	17480	17480	17480	17480								
	15580	15580	15580	15580	15580	15580	15580	15580	15580	15580	15580	15580	15580								
	13300	13300	13300	13300	13300	13300	13300	13300	13300	13300	13300	13300	13300								
3	16600	16500	16400	16400	16400	16400	16400	16400	16400	16400	16400	16400	16000	15900	15800						
	15270	15180	15090	15090	15090	15090	15090	15090	15090	15090	15090	15090	14720	14630	14540						
	13610	13530	13450	13450	13450	13450	13450	13450	13450	13450	13450	13450	13120	13040	12960						
	11620	11550	11480	11480	11480	11480	11480	11480	11480	11480	11480	11480	11200	11130	11060						
3.5		14500	14400	14300	14100	14000	13900	13800	13700	13600	13500	13400	13300	13150	13100	13100					
		13340	13250	13160	12970	12880	12790	12700	12600	12510	12420	12330	12240	12100	12050	12050					
		11890	11810	11730	11560	11480	11400	11320	11230	11150	11070	10990	10910	10780	10740	10740					
		10150	10080	10010	9870	9800	9730	9660	9590	9520	9450	9380	9310	9210	9170	9170					
4			12050	12000	11800	11800	11800	11800	11800	11800	11800	11800	11700	11600	11500	11450	11400				
			11090	11040	10860	10860	10860	10860	10860	10860	10860	10860	10760	10670	10580	10530	10490				
			9880	9840	9680	9680	9680	9680	9680	9680	9680	9680	9590	9510	9430	9390	9350				
			8440	8400	8260	8260	8260	8260	8260	8260	8260	8260	8190	8120	8050	8020	7980				
4.5				10750	10750	10750	10750	10750	10750	10700	10700	10600	10600	10600	10500	10500	10500	10500			
				9890	9890	9890	9890	9890	9890	9840	9840	9750	9750	9750	9660	9660	9660	9660			
				8820	8820	8820	8820	8820	8820	8770	8770	8690	8690	8690	8610	8610	8610	8610			
				7530	7530	7530	7530	7530	7530	7490	7490	7420	7420	7420	7350	7350	7350	7350			
5					9500	9500	9500	9450	9450	9450	9400	9400	9350	9350	9350	9350	9300	9350	9400	9400	
					8740	8740	8740	8690	8690	8690	8650	8650	8600	8600	8600	8600	8560	8600	8650	8650	
					7790	7790	7790	7750	7750	7750	7710	7710	7670	7670	7670	7670	7630	7670	7710	7710	
					6650	6650	6650	6620	6620	6620	6580	6580	6550	6550	6550	6550	6510	6550	6580	6580	
6							7700	7700	7700	7700	7700	7700	7700	7650	7650	7650	7600	7600	7700	7800	7800
							7080	7080	7080	7080	7080	7080	7080	7040	7040	7040	6990	6990	7080	7180	7180
							6310	6310	6310	6310	6310	6310	6310	6270	6270	6270	6230	6230	6310	6400	6400
							5390	5390	5390	5390	5390	5390	5390	5360	5360	5360	5320	5320	5390	5460	5460
7									6400	6400	6400	6400	6400	6300	6300	6200	6200	6250	6300	6400	6500
									5890	5890	5890	5890	5890	5800	5800	5700	5700	5750	5800	5890	5980
									5250	5250	5250	5250	5250	5170	5170	5080	5080	5130	5170	5250	5330
									4480	4480	4480	4480	4480	4410	4410	4340	4340	4380	4410	4480	4550
8											5100	5100	5100	5100	5100	5100	5100	5150	5200	5250	5350
											4690	4690	4690	4690	4690	4690	4690	4740	4780	4830	4920
											4180	4180	4180	4180	4180	4180	4180	4220	4260	4310	4390
											3570	3570	3570	3570	3570	3570	3570	3610	3640	3680	3750
9													4450	4450	4450	4450	4450	4400	4450	4450	4550
													4090	4090	4090	4090	4090	4050	4090	4090	4190
													3650	3650	3650	3650	3650	3610	3650	3650	3730
													3120	3120	3120	3120	3120	3080	3120	3120	3190
10															3800	3800	3800	3800	3900	3950	4000
															3500	3500	3500	3500	3590	3630	3680
															3120	3120	3120	3120	3200	3240	3280
															2660	2660	2660	2660	2730	2770	2800
11																	3400	3450	3450	3450	3500
																	3130	3170	3170	3170	3220
																	2790	2830	2830	2830	2870
																	2380	2420	2420	2420	2450
12																		3200	3200	3200	3250
																		2940	2940	2940	2990
																		2620	2620	2620	2670
																		2240	2240	2240	2280
13																			2800	2850	2900
																			2580	2620	2670
																			2300	2340	2380
																			1960	2000	2030
14																				2550	2600
																				2350	2390
																				2090	2130
																				1790	1820
15																					2350
																					2160
																					1930
																					1650
15.9																					2150
																					1980
																					1760
																					1510

LMI DUTY *101-66*

- 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

	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 MOBILE CRANE: **MAIN HOIST** - 2270kg COUNTER WEIGHT ON: **REAR** STATIONARY

LMI DUTY ***101-75***

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	27600	25000	25000	25000	25000	25000															
	25390	23000	23000	23000	23000	23000															
	22630	20500	20500	20500	20500	20500															
	19320	17500	17500	17500	17500	17500															
1.5	23500	23500	23500	23500	23500	23500	23500	23500													
	21620	21620	21620	21620	21620	21620	21620	21620													
	19270	19270	19270	19270	19270	19270	19270	19270													
	16450	16450	16450	16450	16450	16450	16450	16450													
2	22400	22400	22400	22400	22400	22400	22400	22400	22400	22400											
	20610	20610	20610	20610	20610	20610	20610	20610	20610	20610											
	18370	18370	18370	18370	18370	18370	18370	18370	18370	18370											
	15680	15680	15680	15680	15680	15680	15680	15680	15680	15680											
2.5	21370	21370	21370	21370	21370	21370	21370	21370	21370	21370	21370	21370	21370								
	19660	19660	19660	19660	19660	19660	19660	19660	19660	19660	19660	19660	19660								
	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520								
	14960	14960	14960	14960	14960	14960	14960	14960	14960	14960	14960	14960	14960								
3	18680	18560	18450	18450	18450	18450	18450	18450	18450	18450	18450	18450	18000	17890	17780						
	17190	17080	16970	16970	16970	16970	16970	16970	16970	16970	16970	16970	16560	16460	16360						
	15320	15220	15130	15130	15130	15130	15130	15130	15130	15130	15130	15130	14760	14670	14580						
	13080	12990	12920	12920	12920	12920	12920	12920	12920	12920	12920	12920	12600	12520	12450						
3.5		16310	16200	16090	15860	15750	15640	15530	15410	15300	15190	15080	14960	14790	14740	14740					
		15010	14900	14800	14590	14490	14390	14290	14180	14080	13970	13870	13760	13610	13560	13560					
		13370	13280	13190	13010	12920	12820	12730	12640	12550	12460	12370	12270	12130	12090	12090					
		11420	11340	11260	11100	11030	10950	10870	10790	10710	10630	10560	10470	10350	10320	10320					
4			13560	13500	13280	13280	13280	13280	13280	13280	13280	13280	13160	13050	12940	12880	12830				
			12480	12420	12220	12220	12220	12220	12220	12220	12220	12220	12110	12010	11900	11850	11800				
			11120	11070	10890	10890	10890	10890	10890	10890	10890	10890	10790	10700	10610	10560	10520				
			9490	9450	9300	9300	9300	9300	9300	9300	9300	9300	9210	9140	9060	9020	8980				
4.5				12090	12090	12090	12090	12090	12090	12040	12040	11930	11930	11930	11810	11810	11810	11810			
				11120	11120	11120	11120	11120	11120	11080	11080	10980	10980	10980	10870	10870	10870	10870			
				9910	9910	9910	9910	9910	9910	9870	9870	9780	9780	9780	9680	9680	9680	9680			
				8460	8460	8460	8460	8460	8460	8430	8430	8350	8350	8350	8270	8270	8270	8270			
5					10690	10690	10690	10630	10630	10630	10580	10580	10520	10520	10520	10520	10460	10520	10580	10580	
					9830	9830	9830	9780	9780	9780	9730	9730	9680	9680	9680	9680	9620	9680	9730	9730	
					8770	8770	8770	8720	8720	8720	8680	8680	8630	8630	8630	8630	8580	8630	8680	8680	
					7480	7480	7480	7440	7440	7440	7410	7410	7360	7360	7360	7360	7320	7360	7410	7410	
6							8660	8660	8660	8660	8660	8660	8660	8610	8610	8610	8550	8550	8660	8780	8780
							7970	7970	7970	7970	7970	7970	7970	7920	7920	7920	7870	7870	7970	8080	8080
							7100	7100	7100	7100	7100	7100	7100	7060	7060	7060	7010	7010	7100	7200	7200
							6060	6060	6060	6060	6060	6060	6060	6030	6030	6030	5990	5990	6060	6150	6150
7									7200	7200	7200	7200	7200	7090	7090	6980	6980	7030	7090	7200	7310
									6620	6620	6620	6620	6620	6520	6520	6420	6420	6470	6520	6620	6730
									5900	5900	5900	5900	5900	5810	5810	5720	5720	5760	5810	5900	5990
									5040	5040	5040	5040	5040	4960	4960	4890	4890	4920	4960	5040	5120
8											5740	5740	5740	5740	5740	5740	5740	5790	5850	5910	6020
											5280	5280	5280	5280	5280	5280	5280	5330	5380	5440	5540
											4710	4710	4710	4710	4710	4710	4710	4750	4800	4850	4940
											4020	4020	4020	4020	4020	4020	4020	4050	4100	4140	4210
9													5010	5010	5010	5010	5010	4950	5010	5010	5120
													4610	4610	4610	4610	4610	4550	4610	4610	4710
													4110	4110	4110	4110	4110	4060	4110	4110	4200
													3510	3510	3510	3510	3510	3470	3510	3510	3580
10															4280	4280	4280	4280	4390	4440	4500
															3940	3940	3940	3940	4040	4080	4140
															3510	3510	3510	3510	3600	3640	3690
															3000	3000	3000	3000	3070	3110	3150
11																	3830	3880	3880	3880	3940
																	3520	3570	3570	3570	3620
																	3140	3180	3180	3180	3230
																	2680	2720	2720	2720	2760
12																		3600	3600	3600	3660
																		3310	3310	3310	3370
																		2950	2950	2950	3000
																		2520	2520	2520	2560
13																			3150	3210	3260
																			2900	2950	3000
																			2580	2630	2670
																			2210	2250	2280
14																				2870	2930
																				2640	2700
																				2350	2400
																				2010	2050
15																					2640
																					2430
																					2160
																					1850
15.9																					2420
																					2230
																					1980
																					1690

- 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

	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 MOBILE CRANE: **RHINO** - 2270kg COUNTER WEIGHT ON: **REAR** | PICK AND CARRY

LMI DUTY ***102-66***

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	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													
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											
	14350	14350	14350	14350	14350	14350	14350	14350	14350	14350											
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								
	13300	13300	13300	13300	13300	13300	13300	13300	13300	13300	13300	13300	13300								
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	14720	14630	14540						
	13610	13530	13450	13450	13450	13450	13450	13450	13450	13450	13450	13450	13120	13040	12960						
	11620	11550	11480	11480	11480	11480	11480	11480	11480	11480	11480	11480	11200	11130	11060						
3.5		14500	14400	14300	14100	14000	13900	13800	13700	13600	13500	13400	13300	13150	13100	13100					
		13340	13250	13160	12970	12880	12790	12700	12600	12510	12420	12330	12240	12100	12050	12050					
		11890	11810	11730	11560	11480	11400	11320	11230	11150	11070	10990	10910	10780	10740	10740					
		10150	10080	10010	9870	9800	9730	9660	9590	9520	9450	9380	9310	9210	9170	9170					
4			12050	12000	11800	11800	11800	11800	11800	11800	11800	11800	11700	11600	11500	11450	11400				
			11090	11040	10860	10860	10860	10860	10860	10860	10860	10860	10760	10670	10580	10530	10490				
			9880	9840	9680	9680	9680	9680	9680	9680	9680	9680	9590	9510	9430	9390	9350				
			8440	8400	8260	8260	8260	8260	8260	8260	8260	8260	8190	8120	8050	8020	7980				
4.5				10750	10750	10750	10750	10750	10750	10700	10700	10600	10600	10600	10500	10500	10500	10500			
				9890	9890	9890	9890	9890	9890	9840	9840	9750	9750	9750	9660	9660	9660	9660			
				8820	8820	8820	8820	8820	8820	8770	8770	8690	8690	8690	8610	8610	8610	8610			
				7530	7530	7530	7530	7530	7530	7490	7490	7420	7420	7420	7350	7350	7350	7350			
5					9500	9500	9500	9450	9450	9450	9400	9400	9350	9350	9350	9350	9300	9350	9400	9400	
					8740	8740	8690	8690	8690	8690	8650	8650	8600	8600	8600	8600	8560	8600	8650	8650	
					7790	7790	7790	7750	7750	7750	7710	7710	7670	7670	7670	7670	7630	7670	7710	7710	
					6650	6650	6650	6620	6620	6620	6580	6580	6550	6550	6550	6550	6510	6550	6580	6580	
6							7700	7700	7700	7700	7700	7700	7700	7650	7650	7650	7600	7600	7700	7800	7800
							7080	7080	7080	7080	7080	7080	7080	7040	7040	7040	6990	6990	7080	7180	7180
							6310	6310	6310	6310	6310	6310	6310	6270	6270	6270	6230	6230	6310	6400	6400
							5390	5390	5390	5390	5390	5390	5390	5360	5360	5360	5320	5320	5390	5460	5460
7									6400	6400	6400	6400	6400	6300	6300	6200	6200	6250	6300	6400	6500
									5890	5890	5890	5890	5890	5800	5800	5700	5700	5750	5800	5890	5980
									5250	5250	5250	5250	5250	5170	5170	5080	5080	5130	5170	5250	5330
									4480	4480	4480	4480	4480	4410	4410	4340	4340	4380	4410	4480	4550
8											5100	5100	5100	5100	5100	5100	5100	5150	5200	5250	5350
											4690	4690	4690	4690	4690	4690	4690	4740	4780	4830	4920
											4180	4180	4180	4180	4180	4180	4180	4220	4260	4310	4390
											3570	3570	3570	3570	3570	3570	3570	3610	3640	3680	3750
9													4450	4450	4450	4450	4450	4400	4450	4450	4550
													4090	4090	4090	4090	4090	4050	4090	4090	4190
													3650	3650	3650	3650	3650	3610	3650	3650	3730
													3120	3120	3120	3120	3120	3080	3120	3120	3190
10															3800	3800	3800	3800	3900	3950	4000
															3500	3500	3500	3500	3590	3630	3680
															3120	3120	3120	3120	3200	3240	3280
															2660	2660	2660	2660	2730	2770	2800
11																	3400	3450	3450	3450	3500
																	3130	3170	3170	3170	3220
																	2790	2830	2830	2830	2870
																	2380	2420	2420	2420	2450
12																		3200	3200	3200	3250
																		2940	2940	2940	2990
																		2620	2620	2620	2670
																		2240	2240	2240	2280
13																			2800	2850	2900
																			2580	2620	2670
																			2300	2340	2380
																			1960	2000	2030
14																				2550	2600
																				2350	2390
																				2090	2130
																				1790	1820
15																					2350
																					2160
																					1930
																					1650
15.9																					2150
																					1980
																					1760
																					1510

- 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

	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 MOBILE CRANE: **RHINO** - 2270kg COUNTER WEIGHT 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	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													
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											
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								
	14959	14959	14959	14959	14959	14959	14959	14959	14959	14959	14959	14959	14959								
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	14760	14670	14580						
	13070	12990	12920	12920	12920	12920	12920	12920	12920	12920	12920	12920	12600	12520	12440						
3.5		15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	14960	14790	14740	14740					
		15000	14900	14800	14590	14490	14390	14280	14180	14080	13970	13870	13770	13610	13560	13560					
		13380	13280	13190	13010	12920	12820	12730	12640	12550	12450	12360	12270	12130	12080	12080					
		11420	11340	11260	11100	11030	10950	10870	10790	10710	10630	10550	10470	10360	10320	10320					
4			13560	13500	13280	13280	13280	13280	13280	13280	13280	13280	13160	13050	12940	12880	12830				
			12480	12420	12220	12220	12220	12220	12220	12220	12220	12220	12110	12010	11900	11850	11800				
			11120	11070	10890	10890	10890	10890	10890	10890	10890	10890	10790	10700	10610	10560	10520				
			9490	9450	9300	9300	9300	9300	9300	9300	9300	9300	9210	9140	9060	9020	8980				
4.5				12090	12090	12090	12090	12090	12090	12040	12040	11930	11930	11930	11810	11810	11810	11810			
				11120	11120	11120	11120	11120	11120	11080	11080	10980	10980	10980	10870	10870	10870	10870			
				9910	9910	9910	9910	9910	9910	9870	9870	9780	9780	9780	9680	9680	9680	9680			
				8460	8460	8460	8460	8460	8460	8430	8430	8350	8350	8350	8270	8270	8270	8270			
5					10690	10690	10690	10630	10630	10630	10580	10580	10520	10520	10520	10520	10460	10520	10580	10580	
					9830	9830	9830	9780	9780	9780	9730	9730	9680	9680	9680	9680	9620	9680	9730	9730	
					8770	8770	8770	8720	8720	8720	8680	8680	8630	8630	8630	8630	8580	8630	8680	8680	
					7480	7480	7480	7440	7440	7440	7410	7410	7360	7360	7360	7360	7320	7360	7410	7410	
6							8660	8660	8660	8660	8660	8660	8660	8610	8610	8610	8550	8550	8660	8780	8780
							7970	7970	7970	7970	7970	7970	7970	7920	7920	7920	7870	7870	7970	8080	8080
							7100	7100	7100	7100	7100	7100	7100	7060	7060	7060	7010	7010	7100	7200	7200
							6060	6060	6060	6060	6060	6060	6060	6030	6030	6030	5990	5990	6060	6150	6150
7									7200	7200	7200	7200	7200	7090	7090	6980	6980	7030	7090	7200	7310
									6620	6620	6620	6620	6620	6520	6520	6420	6420	6470	6520	6620	6730
									5900	5900	5900	5900	5900	5810	5810	5720	5720	5760	5810	5900	5990
									5040	5040	5040	5040	5040	4960	4960	4890	4890	4920	4960	5040	5120
8											5740	5740	5740	5740	5740	5740	5740	5790	5850	5910	6020
											5280	5280	5280	5280	5280	5280	5280	5330	5380	5440	5540
											4710	4710	4710	4710	4710	4710	4710	4750	4800	4850	4940
											4020	4020	4020	4020	4020	4020	4020	4050	4100	4140	4210
9													5010	5010	5010	5010	5010	4950	5010	5010	5120
													4610	4610	4610	4610	4610	4550	4610	4610	4710
													4110	4110	4110	4110	4110	4060	4110	4110	4200
													3510	3510	3510	3510	3510	3470	3510	3510	3580
10															4280	4280	4280	4280	4390	4440	4500
															3940	3940	3940	3940	4040	4080	4140
															3510	3510	3510	3510	3600	3640	3690
															3000	3000	3000	3000	3070	3110	3150
11																	3830	3880	3880	3880	3940
																	3520	3570	3570	3570	3620
																	3140	3180	3180	3180	3230
																	2680	2720	2720	2720	2760
12																		3600	3600	3600	3660
																		3310	3310	3310	3370
																		2950	2950	2950	3000
																		2520	2520	2520	2560
13																			3150	3210	3260
																			2900	2950	3000
																			2580	2630	2670
																			2210	2250	2280
14																				2870	2930
																				2640	2700
																				2350	2400
																				2010	2050
15																					2640
																					2430
																					2160
																					1850
15.9																					2420
																					2230
																					1980
																					1690

- 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

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

LMI DUTY 105-66
PICK AND CARRY

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										
1.0	25000	25000	25000	25000	25000	25000				
	23000	23000	23000	23000	23000	23000				
	20500	20500	20500	20500	20500	20500				
	17500	17500	17500	17500	17500	17500				
1.5	23000	23000	23000	23000	23000	23000	23000	23000		
	21160	21160	21160	21160	21160	21160	21160	21160		
	18860	18860	18860	18860	18860	18860	18860	18860		
	16100	16100	16100	16100	16100	16100	16100	16100		
2.0	18450	18450	18450	18450	18450	18450	18450	18450	18450	18450
	16970	16970	16970	16970	16970	16970	16970	16970	16970	16970
	15130	15130	15130	15130	15130	15130	15130	15130	15130	15130
	12920	12920	12920	12920	12920	12920	12920	12920	12920	12920
2.5	17100	17100	17100	17100	17100	17100	17100	17100	17100	17100
	15730	15730	15730	15730	15730	15730	15730	15730	15730	15730
	14020	14020	14020	14020	14020	14020	14020	14020	14020	14020
	11970	11970	11970	11970	11970	11970	11970	11970	11970	11970
3.0		14850	14760	14760	14760	14760	14760	14760	14760	14760
		13660	13580	13580	13580	13580	13580	13580	13580	13580
		12180	12100	12100	12100	12100	12100	12100	12100	12100
		10400	10330	10330	10330	10330	10330	10330	10330	10330
3.5			12240	12160	11990	11900	11900	11900	11900	11900
			11260	11190	11030	10950	10950	10950	10950	10950
			10040	9970	9830	9760	9760	9760	9760	9760
			8570	8510	8390	8330	8330	8330	8330	8330
4.0				9600	9440	9440	9440	9440	9440	9440
				8830	8680	8680	8680	8680	8680	8680
				7870	7740	7740	7740	7740	7740	7740
				6720	6610	6610	6610	6610	6610	6610
4.5					8600	8600	8600	8600	8600	8600
					7910	7910	7910	7910	7910	7910
					7050	7050	7050	7050	7050	7050
					6020	6020	6020	6020	6020	6020
5.0						7600	7600	7600	7600	7600
						6990	6990	6990	6990	6990
						6230	6230	6230	6230	6230
						5320	5320	5320	5320	5320
5.5							6230	6230	6230	6230
							5730	5730	5730	5730
							5110	5110	5110	5110
							4360	4360	4360	4360
6.0								5390	5390	5390
								4960	4960	4960
								4420	4420	4420
								3770	3770	3770
6.5									4970	4970
									4570	4570
									4080	4080
									3480	3480

- 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
- 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

REV : E
23/07/2019

0 - 0.6° CRANE SIDE SLOPE:

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

LMI DUTY 105-75
STATIONARY

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										
1.0	25000	25000	25000	25000	25000	25000				
	23000	23000	23000	23000	23000	23000				
	20500	20500	20500	20500	20500	20500				
	17500	17500	17500	17500	17500	17500				
1.5	24860	24860	24860	24860	24860	24860	24860	24860		
	22870	22870	22870	22870	22870	22870	22870	22870		
	20390	20390	20390	20390	20390	20390	20390	20390		
	17400	17400	17400	17400	17400	17400	17400	17400		
2.0	20760	20760	20760	20760	20760	20760	20760	20760	20760	20760
	19100	19100	19100	19100	19100	19100	19100	19100	19100	19100
	17020	17020	17020	17020	17020	17020	17020	17020	17020	17020
	14530	14530	14530	14530	14530	14530	14530	14530	14530	14530
2.5	19240	19240	19240	19240	19240	19240	19240	19240	19240	19240
	17700	17700	17700	17700	17700	17700	17700	17700	17700	17700
	15780	15780	15780	15780	15780	15780	15780	15780	15780	15780
	13470	13470	13470	13470	13470	13470	13470	13470	13470	13470
3.0		16710	16610	16610	16610	16610	16610	16610	16610	16610
		15370	15280	15280	15280	15280	15280	15280	15280	15280
		13700	13620	13620	13620	13620	13620	13620	13620	13620
		11700	11630	11630	11630	11630	11630	11630	11630	11630
3.5			13770	13680	13480	13390	13390	13390	13390	13390
			12670	12590	12400	12320	12320	12320	12320	12320
			11290	11220	11050	10980	10980	10980	10980	10980
			9640	9580	9440	9370	9370	9370	9370	9370
4.0				10800	10620	10620	10620	10620	10620	10620
				9940	9770	9770	9770	9770	9770	9770
				8860	8710	8710	8710	8710	8710	8710
				7560	7430	7430	7430	7430	7430	7430
4.5					9680	9680	9680	9680	9680	9680
					8910	8910	8910	8910	8910	8910
					7940	7940	7940	7940	7940	7940
					6780	6780	6780	6780	6780	6780
5.0						8550	8550	8550	8550	8550
						7870	7870	7870	7870	7870
						7010	7010	7010	7010	7010
						5990	5990	5990	5990	5990
5.5							7010	7010	7010	7010
							6450	6450	6450	6450
							5750	5750	5750	5750
							4910	4910	4910	4910
6.0								6060	6060	6060
								5580	5580	5580
								4970	4970	4970
								4240	4240	4240
6.5									5590	5590
									5140	5140
									4580	4580
									3910	3910

- 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

	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)

LMI DUTY ***106-66***
PICK AND CARRY

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

- 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)

LMI DUTY 106-75
STATIONARY

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

- 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

0° TO 5° CRANE SIDE SLOPE:

PC28 MOBILE CRANE: ***MAN BASKET***

2270kG COUNTERWEIGHT ON: ***REAR***

LMI DUTY ***107***

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

LMI DUTY ***108, 109 , 110***

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

	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 | PICK AND CARRY

LMI DUTY ***201-66***

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	25000	25000	25000	25000	25000	25000															
	23000	23000	23000	23000	23000	23000															
	20500	20500	20500	20500	20500	20500															
	17500	17500	17500	17500	17500	17500															
1.5	22100	22100	22100	22100	22100	22100	22100	22100													
	20330	20330	20330	20330	20330	20330	20330	20330													
	18120	18120	18120	18120	18120	18120	18120	18120													
	15470	15470	15470	15470	15470	15470	15470	15470													
2	20500	20500	20500	20500	20500	20500	20500	20500	20500	20500											
	18860	18860	18860	18860	18860	18860	18860	18860	18860	18860											
	16810	16810	16810	16810	16810	16810	16810	16810	16810	16810											
	14350	14350	14350	14350	14350	14350	14350	14350	14350	14350											
2.5	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000	19000								
	17480	17480	17480	17480	17480	17480	17480	17480	17480	17480	17480	17480	17480								
	15580	15580	15580	15580	15580	15580	15580	15580	15580	15580	15580	15580	15580								
	13300	13300	13300	13300	13300	13300	13300	13300	13300	13300	13300	13300	13300								
3	17550	17450	17350	17350	17350	17350	17350	17350	17350	17350	17350	17350	16950	16850	16750						
	16150	16050	15960	15960	15960	15960	15960	15960	15960	15960	15960	15960	15590	15500	15410						
	14390	14310	14230	14230	14230	14230	14230	14230	14230	14230	14230	14230	13900	13820	13740						
	12290	12220	12150	12150	12150	12150	12150	12150	12150	12150	12150	12150	11870	11800	11730						
3.5		15700	15600	15500	15300	15200	15100	15000	14900	14800	14700	14600	14500	14300	14300	14300					
		14440	14350	14260	14080	13980	13890	13800	13710	13620	13520	13430	13340	13160	13160	13160					
		12870	12790	12710	12550	12460	12380	12300	12220	12140	12050	11970	11890	11730	11730	11730					
		10990	10920	10850	10710	10640	10570	10500	10430	10360	10290	10220	10150	10010	10010	10010					
4			13350	13200	13000	13000	13000	13000	13000	13000	13000	13000	12900	12800	12700	12650	12600				
			12190	12140	11960	11960	11960	11960	11960	11960	11960	11960	11870	11780	11680	11640	11590				
			10870	10820	10660	10660	10660	10660	10660	10660	10660	10660	10580	10500	10410	10370	10330				
			9280	9240	9100	9100	9100	9100	9100	9100	9100	9100	9030	8960	8890	8860	8820				
4.5				11650	11650	11650	11650	11650	11650	11600	11600	11550	11550	11550	11500	11500	11500	11500			
				10720	10720	10720	10720	10720	10720	10670	10670	10630	10630	10630	10580	10580	10580	10580			
				9550	9550	9550	9550	9550	9550	9510	9510	9470	9470	9470	9430	9430	9430	9430			
				8160	8160	8160	8160	8160	8160	8120	8120	8090	8090	8090	8050	8050	8050	8050			
5					10500	10500	10500	10450	10450	10450	10400	10400	10350	10350	10350	10350	10300	10350	10400	10400	
					9660	9660	9660	9610	9610	9610	9570	9570	9520	9520	9520	9520	9480	9520	9570	9570	
					8610	8610	8610	8570	8570	8570	8530	8530	8490	8490	8490	8490	8450	8490	8530	8530	
					7350	7350	7350	7320	7320	7320	7280	7280	7250	7250	7250	7250	7210	7250	7280	7280	
6							8500	8500	8500	8500	8500	8500	8500	8450	8450	8450	8400	8400	8500	8600	8600
							7820	7820	7820	7820	7820	7820	7820	7770	7770	7770	7730	7730	7820	7910	7910
							6970	6970	6970	6970	6970	6970	6970	6930	6930	6930	6890	6890	6970	7050	7050
							5950	5950	5950	5950	5950	5950	5950	5920	5920	5920	5880	5880	5950	6020	6020
7									7100	7100	7100	7100	7100	7000	7000	6900	6900	6950	7000	7100	7200
									6530	6530	6530	6530	6530	6440	6440	6350	6350	6390	6440	6530	6620
									5820	5820	5820	5820	5820	5740	5740	5660	5660	5700	5740	5820	5900
									4970	4970	4970	4970	4970	4900	4900	4830	4830	4870	4900	4970	5040
8											5700	5700	5700	5700	5700	5700	5700	5750	5800	5850	5900
											5240	5240	5240	5240	5240	5240	5240	5290	5340	5380	5430
											4670	4670	4670	4670	4670	4670	4670	4720	4760	4800	4840
											3990	3990	3990	3990	3990	3990	3990	4030	4060	4100	4130
9													4950	4950	4950	4950	4950	4900	4950	4950	5000
													4550	4550	4550	4550	4550	4510	4550	4550	4600
													4060	4060	4060	4060	4060	4020	4060	4060	4100
													3470	3470	3470	3470	3470	3430	3470	3470	3500
10															4200	4200	4200	4200	4300	4350	4400
															3860	3860	3860	3860	3960	4000	4050
															3440	3440	3440	3440	3530	3570	3610
															2940	2940	2940	2940	3010	3050	3080
11																	3800	3850	3850	3850	3900
																	3500	3540	3540	3540	3590
																	3120	3160	3160	3160	3200
																	2660	2700	2700	2700	2730
12																		3500	3500	3500	3550
																		3220	3220	3220	3270
																		2870	2870	2870	2910
																		2450	2450	2450	2490
13																			3150	3200	3250
																			2900	2940	2990
																			2580	2620	2670
																			2210	2240	2280
14																				2850	2900
																				2620	2670
																				2340	2380
																				2000	2030
15																					2650
																					2440
																					2170
																					1860
15.9																					2450
																					2250
																					2010
																					1720

- 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

	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 : H
6/09/2019

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	27600	25000	25000	25000	25000	25000															
	25392	23000	23000	23000	23000	23000															
	22632	20500	20500	20500	20500	20500															
	19320	17500	17500	17500	17500	17500															
1.5	23500	23500	23500	23500	23500	23500	23500	23500													
	21620	21620	21620	21620	21620	21620	21620	21620													
	19270	19270	19270	19270	19270	19270	19270	19270													
	16450	16450	16450	16450	16450	16450	16450	16450													
2	22400	22400	22400	22400	22400	22400	22400	22400	22400	22400											
	20608	20608	20608	20608	20608	20608	20608	20608	20608	20608											
	18368	18368	18368	18368	18368	18368	18368	18368	18368	18368											
	15680	15680	15680	15680	15680	15680	15680	15680	15680	15680											
2.5	21370	21370	21370	21370	21370	21370	21370	21370	21370	21370	21370	21370	21370								
	19660	19660	19660	19660	19660	19660	19660	19660	19660	19660	19660	19660	19660								
	17523	17523	17523	17523	17523	17523	17523	17523	17523	17523	17523	17523	17523								
	14959	14959	14959	14959	14959	14959	14959	14959	14959	14959	14959	14959	14959								
3	19740	19630	19520	19520	19520	19520	19520	19520	19520	19520	19520	19520	19070	18960	18840						
	18160	18060	17960	17960	17960	17960	17960	17960	17960	17960	17960	17960	17540	17440	17330						
	16190	16100	16010	16010	16010	16010	16010	16010	16010	16010	16010	16010	15640	15550	15450						
	13820	13740	13660	13660	13660	13660	13660	13660	13660	13660	13660	13660	13350	13270	13190						
3.5		17660	17550	17440	17210	17100	16990	16880	16760	16650	16540	16430	16310	16090	16090	16090					
		16250	16150	16040	15830	15730	15630	15530	15420	15320	15220	15120	15010	14800	14800	14800					
		14480	14390	14300	14110	14020	13930	13840	13740	13650	13560	13470	13370	13190	13190	13190					
		12360	12290	12210	12050	11970	11890	11820	11730	11660	11580	11500	11420	11260	11260	11260					
4			14910	14850	14630	14630	14630	14630	14630	14630	14630	14630	14510	14400	14290	14230	14180				
			13720	13660	13460	13460	13460	13460	13460	13460	13460	13460	13350	13250	13150	13090	13050				
			12230	12180	12000	12000	12000	12000	12000	12000	12000	12000	11900	11810	11720	11670	11630				
			10440	10400	10240	10240	10240	10240	10240	10240	10240	10240	10160	10080	10000	9960	9930				
4.5				13110	13110	13110	13110	13110	13110	13050	13050	12990	12990	12990	12940	12940	12940	12940			
				12060	12060	12060	12060	12060	12060	12010	12010	11950	11950	11950	11900	11900	11900	11900			
				10750	10750	10750	10750	10750	10750	10700	10700	10650	10650	10650	10610	10610	10610	10610			
				9180	9180	9180	9180	9180	9180	9140	9140	9090	9090	9090	9060	9060	9060	9060			
5					11810	11810	11810	11760	11760	11760	11700	11700	11640	11640	11640	11640	11590	11640	11700	11700	
					10870	10870	10870	10820	10820	10820	10760	10760	10710	10710	10710	10710	10660	10710	10760	10760	
					9680	9680	9680	9640	9640	9640	9590	9590	9540	9540	9540	9540	9500	9540	9590	9590	
					8270	8270	8270	8230	8230	8230	8190	8190	8150	8150	8150	8150	8110	8150	8190	8190	
6							9560	9560	9560	9560	9560	9560	9560	9510	9510	9510	9450	9450	9560	9680	9680
							8800	8800	8800	8800	8800	8800	8800	8750	8750	8750	8690	8690	8800	8910	8910
							7840	7840	7840	7840	7840	7840	7840	7800	7800	7800	7750	7750	7840	7940	7940
							6690	6690	6690	6690	6690	6690	6690	6660	6660	6660	6620	6620	6690	6780	6780
7									7990	7990	7990	7990	7990	7880	7880	7760	7760	7820	7880	7990	8100
									7350	7350	7350	7350	7350	7250	7250	7140	7140	7190	7250	7350	7450
									6550	6550	6550	6550	6550	6460	6460	6360	6360	6410	6460	6550	6640
									5590	5590	5590	5590	5590	5520	5520	5430	5430	5470	5520	5590	5670
8											6410	6410	6410	6410	6410	6410	6410	6470	6530	6580	6640
											5900	5900	5900	5900	5900	5900	5900	5950	6010	6050	6110
											5260	5260	5260	5260	5260	5260	5260	5310	5350	5400	5440
											4490	4490	4490	4490	4490	4490	4490	4530	4570	4610	4650
9													5570	5570	5570	5570	5570	5510	5570	5570	5630
													5120	5120	5120	5120	5120	5070	5120	5120	5180
													4570	4570	4570	4570	4570	4520	4570	4570	4620
													3900	3900	3900	3900	3900	3860	3900	3900	3940
10															4730	4730	4730	4730	4840	4890	4950
															4350	4350	4350	4350	4450	4500	4550
															3880	3880	3880	3880	3970	4010	4060
															3310	3310	3310	3310	3390	3420	3470
11																	4280	4330	4330	4330	4390
																	3940	3980	3980	3980	4040
																	3510	3550	3550	3550	3600
																	3000	3030	3030	3030	3070
12																		3940	3940	3940	3990
																		3620	3620	3620	3670
																		3230	3230	3230	3270
																		2760	2760	2760	2790
13																			3540	3600	3660
																			3260	3310	3370
																			2900	2950	3000
																			2480	2520	2560
14																				3210	3260
																				2950	3000
																				2630	2670
																				2250	2280
15																					2980
																					2740
																					2440
																					2090
15.9																					2760
																					2540
																					2260
																					1930

- 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
- 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

REV : H
6/09/2019

0 - 0.6° CRANE SIDE SLOPE: PC28 MOBILE CRANE: **RHINO** 2270kg plus 1100kg S.L COUNTERWEIGHT ON REAR | PICK AND CARRY

LMI DUTY **202-66**

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	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													
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											
	14350	14350	14350	14350	14350	14350	14350	14350	14350	14350											
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								
	13300	13300	13300	13300	13300	13300	13300	13300	13300	13300	13300	13300	13300								
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						
	14390	14310	14230	14230	14230	14230	14230	14230	14230	14230	14230	14230	13900	13820	13740						
	12290	12220	12150	12150	12150	12150	12150	12150	12150	12150	12150	12150	11870	11800	11730						
3.5		15000	15000	15000	15000	15000	15000	15000	14900	14800	14700	14600	14500	14300	14300	14300					
		14440	14350	14260	14080	13980	13890	13800	13710	13620	13520	13430	13340	13160	13160	13160					
		12870	12790	12710	12550	12460	12380	12300	12220	12140	12050	11970	11890	11730	11730	11730					
		10990	10920	10850	10710	10640	10570	10500	10430	10360	10290	10220	10150	10010	10010	10010					
4			13250	13200	13000	13000	13000	13000	13000	13000	13000	13000	12900	12800	12700	12650	12600				
			12190	12140	11960	11960	11960	11960	11960	11960	11960	11960	11870	11780	11680	11640	11590				
			10870	10820	10660	10660	10660	10660	10660	10660	10660	10660	10580	10500	10410	10370	10330				
			9280	9240	9100	9100	9100	9100	9100	9100	9100	9100	9030	8960	8890	8860	8820				
4.5				11650	11650	11650	11650	11650	11650	11600	11600	11550	11550	11550	11500	11500	11500	11500			
				10720	10720	10720	10720	10720	10720	10670	10670	10630	10630	10630	10580	10580	10580	10580			
				9550	9550	9550	9550	9550	9550	9510	9510	9470	9470	9470	9430	9430	9430	9430			
				8160	8160	8160	8160	8160	8160	8120	8120	8090	8090	8090	8050	8050	8050	8050			
5					10500	10500	10500	10450	10450	10450	10400	10400	10350	10350	10350	10350	10300	10350	10400	10400	
					9660	9660	9660	9610	9610	9610	9570	9570	9520	9520	9520	9520	9480	9520	9570	9570	
					8610	8610	8610	8570	8570	8570	8530	8530	8490	8490	8490	8490	8450	8490	8530	8530	
					7350	7350	7350	7320	7320	7320	7280	7280	7250	7250	7250	7250	7210	7250	7280	7280	
6							8500	8500	8500	8500	8500	8500	8500	8450	8450	8450	8400	8400	8500	8600	8600
							7820	7820	7820	7820	7820	7820	7820	7770	7770	7770	7730	7730	7820	7910	7910
							6970	6970	6970	6970	6970	6970	6970	6930	6930	6930	6890	6890	6970	7050	7050
							5950	5950	5950	5950	5950	5950	5950	5920	5920	5920	5880	5880	5950	6020	6020
7									7100	7100	7100	7100	7100	7000	7000	6900	6900	6950	7000	7100	7200
									6530	6530	6530	6530	6530	6440	6440	6350	6350	6390	6440	6530	6620
									5820	5820	5820	5820	5820	5740	5740	5660	5660	5700	5740	5820	5900
									4970	4970	4970	4970	4970	4900	4900	4830	4830	4870	4900	4970	5040
8											5700	5700	5700	5700	5700	5700	5700	5750	5800	5850	5900
											5240	5240	5240	5240	5240	5240	5240	5290	5340	5380	5430
											4670	4670	4670	4670	4670	4670	4670	4720	4760	4800	4840
											3990	3990	3990	3990	3990	3990	3990	4030	4060	4100	4130
9													4950	4950	4950	4950	4950	4900	4950	4950	5000
													4550	4550	4550	4550	4550	4510	4550	4550	4600
													4060	4060	4060	4060	4060	4020	4060	4060	4100
													3470	3470	3470	3470	3470	3430	3470	3470	3500
10															4200	4200	4200	4200	4300	4350	4400
															3860	3860	3860	3860	3960	4000	4050
															3440	3440	3440	3440	3530	3570	3610
															2940	2940	2940	2940	3010	3050	3080
11																	3800	3850	3850	3850	3900
																	3500	3540	3540	3540	3590
																	3120	3160	3160	3160	3200
																	2660	2700	2700	2700	2730
12																		3500	3500	3500	3550
																		3220	3220	3220	3270
																		2870	2870	2870	2910
																		2450	2450	2450	2490
13																			3150	3200	3250
																			2900	2940	2990
																			2580	2620	2670
																			2210	2240	2280
14																				2850	2900
																				2620	2670
																				2340	2380
																				2000	2030
15																					2650
																					2440
																					2170
																					1860
15.9																					2450
																					2250
																					2010
																					1720

- 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

	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 : J
4/10/2019

0 - 0.6° CRANE SIDE SLOPE: PC28 MOBILE CRANE: **RHINO** 2270kg plus 1100kg S.L COUNTERWEIGHT ON REAR | STATIONARY

LMI DUTY **202-75**

RADIUS / BOOM LENGTH (M)

RADIUS	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	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													
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											
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								
	14960	14960	14960	14960	14960	14960	14960	14960	14960	14960	14960	14960	14960								
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						
	13820	13740	13660	13660	13660	13660	13660	13660	13660	13660	13660	13660	13350	13270	13190						
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	14800	14800	14800					
		14480	14390	14300	14110	14020	13930	13840	13750	13650	13560	13470	13380	13190	13190	13190					
		12360	12290	12210	12050	11970	11890	11810	11730	11660	11580	11500	11420	11260	11260	11260					
4			14910	14850	14630	14630	14630	14630	14630	14630	14630	14630	14510	14400	14290	14230	14180				
			13720	13660	13460	13460	13460	13460	13460	13460	13460	13460	13350	13250	13150	13090	13050				
			12230	12180	12000	12000	12000	12000	12000	12000	12000	12000	11900	11810	11720	11670	11630				
			10440	10400	10240	10240	10240	10240	10240	10240	10240	10240	10160	10080	10000	9960	9930				
4.5				13110	13110	13110	13110	13110	13110	13050	13050	12990	12990	12990	12940	12940	12940	12940			
				12060	12060	12060	12060	12060	12060	12010	12010	11950	11950	11950	11900	11900	11900	11900			
				10750	10750	10750	10750	10750	10750	10700	10700	10650	10650	10650	10610	10610	10610	10610			
				9180	9180	9180	9180	9180	9180	9140	9140	9090	9090	9090	9060	9060	9060	9060			
5					11810	11810	11810	11760	11760	11760	11700	11700	11640	11640	11640	11640	11590	11640	11700	11700	
					10870	10870	10870	10820	10820	10820	10760	10760	10710	10710	10710	10710	10660	10710	10760	10760	
					9680	9680	9680	9640	9640	9640	9590	9590	9540	9540	9540	9540	9500	9540	9590	9590	
					8270	8270	8270	8230	8230	8230	8190	8190	8150	8150	8150	8150	8110	8150	8190	8190	
6							9560	9560	9560	9560	9560	9560	9560	9510	9510	9510	9450	9450	9560	9680	9680
							8800	8800	8800	8800	8800	8800	8800	8750	8750	8750	8690	8690	8800	8910	8910
							7840	7840	7840	7840	7840	7840	7840	7800	7800	7800	7750	7750	7840	7940	7940
							6690	6690	6690	6690	6690	6690	6690	6660	6660	6660	6620	6620	6690	6780	6780
7									7990	7990	7990	7990	7990	7880	7880	7760	7760	7820	7880	7990	8100
									7350	7350	7350	7350	7350	7250	7250	7140	7140	7190	7250	7350	7450
									6550	6550	6550	6550	6550	6460	6460	6360	6360	6410	6460	6550	6640
									5590	5590	5590	5590	5590	5520	5520	5430	5430	5470	5520	5590	5670
8											6410	6410	6410	6410	6410	6410	6410	6470	6530	6580	6640
											5900	5900	5900	5900	5900	5900	5900	5950	6010	6050	6110
											5260	5260	5260	5260	5260	5260	5260	5310	5350	5400	5440
											4490	4490	4490	4490	4490	4490	4490	4530	4570	4610	4650
9													5570	5570	5570	5570	5570	5510	5570	5570	5630
													5120	5120	5120	5120	5120	5070	5120	5120	5180
													4570	4570	4570	4570	4570	4520	4570	4570	4620
													3900	3900	3900	3900	3900	3860	3900	3900	3940
10															4730	4730	4730	4730	4840	4890	4950
															4350	4350	4350	4350	4450	4500	4550
															3880	3880	3880	3880	3970	4010	4060
															3310	3310	3310	3310	3390	3420	3470
11																	4280	4330	4330	4330	4390
																	3940	3980	3980	3980	4040
																	3510	3550	3550	3550	3600
																	3000	3030	3030	3030	3070
12																		3940	3940	3940	3990
																		3620	3620	3620	3670
																		3230	3230	3230	3270
																		2760	2760	2760	2790
13																			3540	3600	3660
																			3260	3310	3370
																			2900	2950	3000
																			2480	2520	2560
14																				3210	3260
																				2950	3000
																				2630	2670
																				2250	2280
15																					2980
																					2740
																					2440
																					2090
15.9																					2760
																					2540
																					2260
																					1930

- 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

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 : J
4/10/2019

TIDD PC28

RATED CAPACITY MANUAL

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...for the long haul

15102019