

**TIDD**  
**CRANE** ///



## ***THE WORLD'S SAFEST PICK & CARRY CRANE***

A Pick & Carry Crane like no other the TIDD PC25 incorporates the highest quality components with a special focus on safety as the first priority.

The Tidd PC25 comes standard with auto side slope de-rating, tackling head-on the primary cause of accidents in pick & carry cranes. Additionally the Tidd PC25 is fitted with auto articulation de-rating in 3 steps (0-10, 11-20 & 21-42 degrees) to maximise the lift chart in all situations.

# TIDD CRANE IIII



## **The World's Safest Pick & Carry Crane**

- Auto side slope & articulation de-rating
- Forward mounted ROPS cabin
- ABS brakes

## **Lift Capacity Where it's Needed**

- High strength Hi-Tensile steel booms
- A low COG for superior lift charts
- 'Easy on' 1.4t roadable CWT

## **Manoeuvrability On Site**

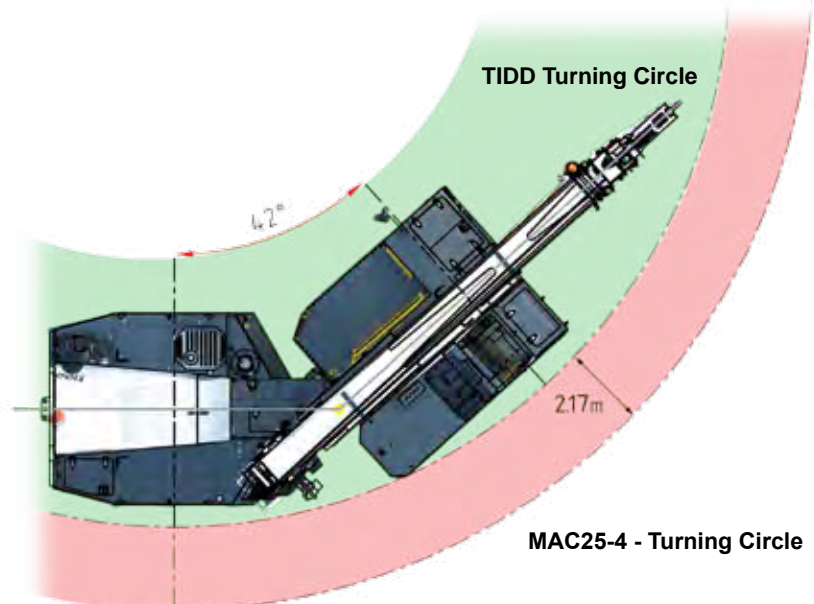
- 42° slew for tightest turning circle
- Shortest forward projection
- Smallest footprint of any 25t capacity crane

## **Capable Workhorse**

A wheelbase of only 4.4m and at only 2.5m wide, this is a small and light crane. The carry deck on the left front has a 2t allowance for rigging and additional gear. Chain and hook lockers are accessed easily from the front and the large under cab waterproof locker provides dry storage for slings.

## **Extremely Manoeuvrable**

Slewing up to 42° each side combined with a short 4.3m forward projection means the TIDD achieves an outstanding turning circle radius of only 14.42m. Working well inside the MAC25 radius (16.59m) the TIDD beats the MAC footprint by 2.17m and at only 2.5m wide, this crane is not restricted like wider machines.







### **Crane Features:**

- 25 tonne capacity
- Automatic side slope de-rating
- 3 Step articulation auto de-rating (0° - 10°, 11° - 20°, 21° - 42°)
- Highest Main Boom tip height in class, 19.14m
- Superior Telecylinder. Holds 20t - Tele's 17t
- Manual boom extension rated at 8.5t
- 5t 2 Speed Braden Winch
- LSI Robway LMI System
- Load sensing hydraulic pump allowing for multiple functions without compromising speed or performance
- Boom Luffs from -6° up to +65°
- Tie Points for a pallet of equipment on the carry tray
- 2 x External Emergency stops
- 10t rhino standard

### **Superior Technology**

Hi-Tensile Steel Booms give superior strength and a lower COG that achieves superior lift charts. The easily deployable 1.4t CWT gives the TIDD the best chart in the 25t pick and carry class with the ability to road its own counterweight.



# TIDD

## CRANE III

### **Quality Finish**

Finished to a high automotive standard, the TIDD Crane features a forward mounted integral ROPS two man cabin for unrivalled safety, operator position and comfort. TIDD Hydropneumatic front suspension provides outstanding ride on road and when locked out, a super stable platform (even in slew). The engineered rear four leaf parabolic spring suspension completes the ride.



### **Drivetrain:**

- Mercedes-Benz OM906 206kW Engine
- Allison World Series 3000 Auto Transmission
- Cushman 2 speed Transfer Case providing improved driveline angles
- Kessler Hub Reduction Drive Axles
- Front Diff Lock
- Wabco ABS Brakes fitted as standard
- 20 Ply Radial Tyres provide outstanding on highway performance.
- Auto Tyre Pressure Control System, optional
- All regular servicing is undertaken from one side with safety rails standard.
- Spare wheel mounted under chassis at rear (no heavy lifting)



### **Steering & Suspension:**

- TIDD Hydropneumatic Front Suspension with lock-out for maximum stability when lifting loads (2° side roll)
- 15t rated capacity leaf suspension at rear
- Superior variable ratio steering system delivers improved handling and steering response ON and OFF Highway
- The mechanically driven emergency steering pump operates without electrical power for added safety.







# PC25

## **Cab Features:**

- Genuine inbuilt ROPS Cabin (Patent No 2012203625)
- Air Conditioning ducted for both operator and dogman comfort
- Ergonomic Design
- Full Air KAB Suspension Seats (150kg) with integral seat belts
- Forward mounted cab design provides better all-round visibility and safety for operator, dogman and the site
- Sun roof for load visibility (FOPS optional)
- Two doors for ease of entry for driver/dogman
- Cab Step opens out for large dry storage locker for soft slings
- User friendly dual mode display with LMI / Automotive Cluster
- Emergency Stops in cab
- Guard rails, grip tread and grab handles for safer access
- Reversing camera standard
- Winch rope camera optional
- Cooler drawer fridge under rear seat

## **Storage:**

- Generous Storage
- Crane hook lowers rigging directly into lockers
- The below cab dry storage locker provides for slings and webbing - this locker door also forms a step open or closed



# TIDD

## CRANE III

### Load Chart - 25t Capacity

#### Main Hoist Manual Retracted with Counterweight on Rear

		BOOM LENGTH (M)								
(M)		6	7	8	9	10	11	12	13	14.3
1		18400	18400							
		17480	17480							
		15640	15640							
		53	60							
1.5		18400	18400	18400						
		17480	17480	17480						
		15640	15640	15640						
		47	55	60						
2		17200	17060	16920	16780					
		16340	16207	16074	15941					
		14620	14501	14382	14263					
		40	49	55	60					
2.5		15690	15580	15240	15170	15100				
		14909	14693	14478	14412	14345				
		13339	13147	12954	12895	12835				
		32	44	51	56	60				
3		14110	13950	13790	13670	13560	13480	13400		
		13405	13253	13101	12989	12877	12804	12730		
		11994	11858	11722	11622	11522	11456	11390		
		20	38	46	52	56	60	62		
3.5		12670	12540	12410	12300	12200	12110	12030	11220	
		12034	11912	11790	11687	11585	11508	11431	10655	
		10767	10658	10549	10457	10366	10297	10228	9534	
		0	30	41	48	53	57	60	62	
4			11130	11030	10930	10840	10750	10670	10530	10400
			10571	10479	10386	10293	10213	10132	10006	9880
			9458	9376	9293	9210	9138	9065	8953	8840
			21	35	43	49	53	57	60	63
4.5			9860	9790	9720	9650	9590	9520	9390	9250
			9367	9301	9234	9168	9107	9046	8917	8788
			8381	8322	8262	8203	8148	8094	7978	7863
			0	28	38	45	50	54	57	60
5				8550	8510	8470	8420	8380	8240	8100
				8123	8082	8042	8001	7961	7828	7695
				7268	7231	7195	7159	7123	7004	6885
				19	33	41	47	51	54	58
6					7080	7020	6980	6930	6840	6750
					6730	6667	6626	6586	6499	6413
					6022	5965	5929	5893	5815	5738
					18	31	39	45	49	53
7						5570	5530	5490	5440	5400
						5292	5251	5211	5170	5130
						4735	4698	4662	4626	4590
						17	30	37	43	48
8							4890	4840	4790	4740
							4642	4596	4549	4503
							4153	4112	4070	4029
							16	28	36	42
9								4190	4140	4080
								3981	3928	3876
								3562	3515	3468
								16	27	36
10									4640	3590
									3458	3413
									3094	3054
									15	28
11										3110
										2950
										2639
										18
11.77										2890
										2741
										2452
										0

#### Manual Extended

(M)		16.2	(M)		18.5
4.3		8500	5.1		7000
		8075			6650
		7225			5950
		65			65
5		8500	6		7000
		8075			6650
		7225			5950
		62			62
6		6800	7		5700
		6460			5415
		5780			4845
		58			59
7		5920	8		5250
		5624			4983
		5052			4458
		54			55
8		4740	9		4790
		4503			4551
		3555			3593
		49			51
9		4180	10		3970
		3971			3772
		3553			3375
		45			47
10		3620	11		3150
		3434			2993
		3073			2678
		39			43
11		3270	12		2910
		3107			2767
		2780			2476
		33			38
12		2920	13		2680
		2774			2541
		2482			2274
		26			33
13		2660	14		2390
		2390			2153
		2257			2034
		16			26
13.7		2570	15		2110
		2437			2005
		2180			1794
		0			18
			15.9		1950
					1848
					1653
					0

#### Rated Capacity in Kg

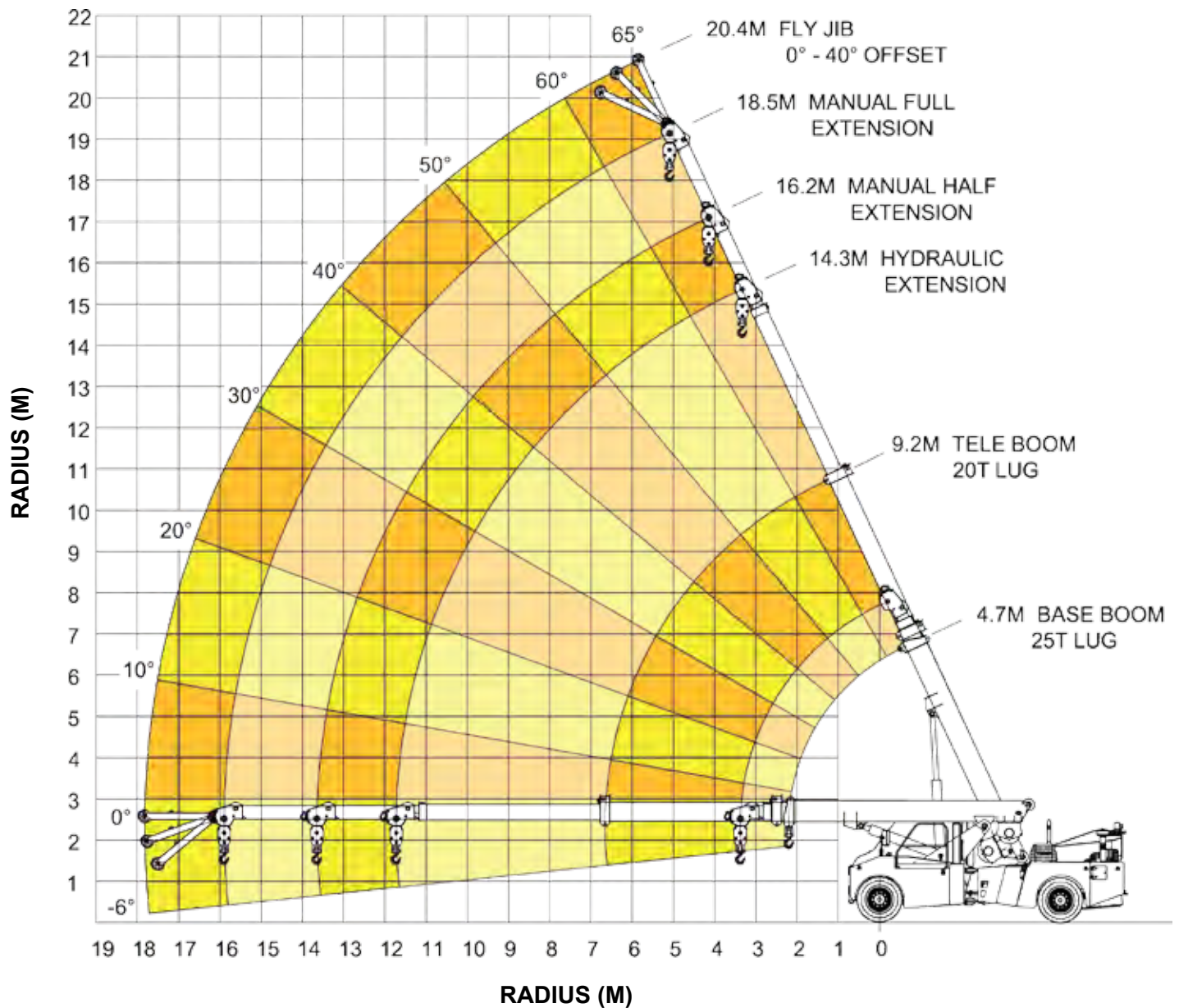
	0°-10° articulation
	11°- 20° articulation
	21°- 42° articulation
	Boom angle in degrees

#### Maximum Capacity

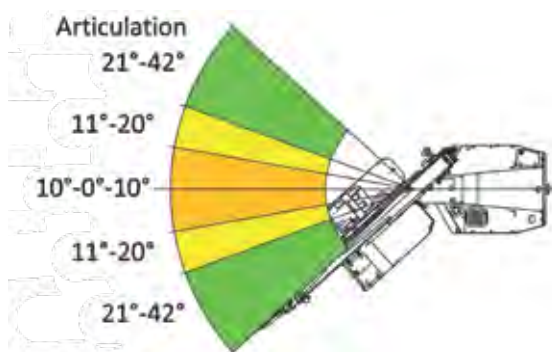
25t on lug No.1 (static)  
20t on lug No.2 (sliding)



## Range Diagram



## Work Area



## Key Dimensions

Width	2.5m
Height Overall	3.1m
Length Overall	9.9m
Wheel Base	4.4m
Forward Projection	4.3m from seat to boom tip
Maximum Tare Weight	21.8 Tonne

# TIDD CRANE ///

## PC25



### **Counterweight:**

Optional "easy on - easy off" 1.4t counterweight is front mounted for travel mode and self-craned off allowing easy attachment to the rear to maximise the lift chart.

### **1.9m Fly Jib Extension:**

Giving a boom tip height of 21m, the TIDD Fly Jib extension option offers 750Kg capacity in offset angles 0°, 20° + 40°. Light and easy to fit this fly jib can be fitted and removed by one man and stows neatly on the carry deck for transport on road.

### **15t Rhino:**

15t Rhino Hook with 25° offset.

### **What Customers say:**

*"The crane boasts an impressive load chart in a small package allowing us to go where other cranes cannot. The safety features and road friendly suspension make this crane a favourite with our operators and our customers" - Mark Kuhn, Managing Director of Max Cranes*

*"The rollover protection cabin is a significant benefit to all industries, particularly mining. The PC25 finish is like a European Truck. They're really well finished, far superior to most things made in Australia." - Albert Smith, Group Managing Director, Universal Cranes*



**Distributed By:**

**Designed & Manufactured by**



**Tidd Ross Todd Ltd**

*...for the long haul*

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