

TIDD
CRANE III



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.

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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

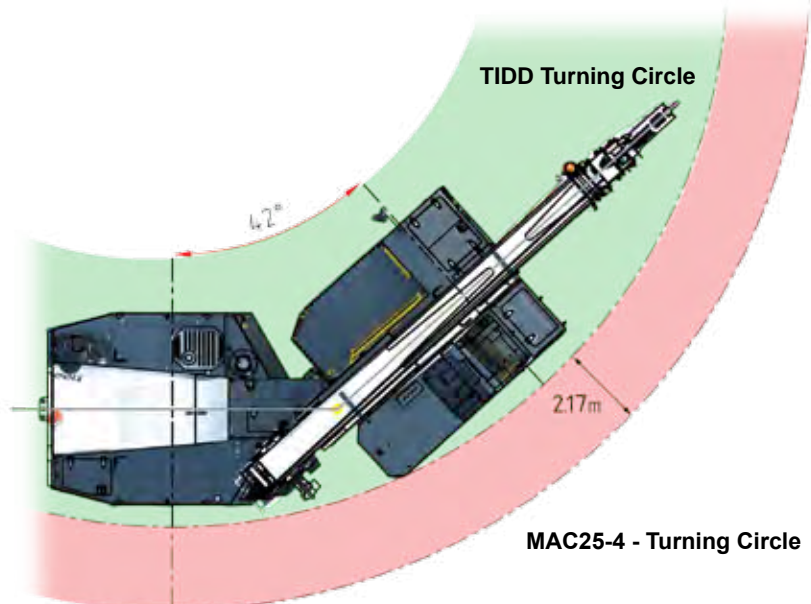
- 42° slew for tightest turning circle
- Shortest forward projection
- Smallest footprint of any 25t capacity crane

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.



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PC25

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.



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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



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TIDD CRANE III

Load Chart - 25t Capacity

Main Hoist Manual Retracted with Counterweight on Rear

| (M) | BOOM LENGTH (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 | 4590 | |
| | | | | | | | | 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

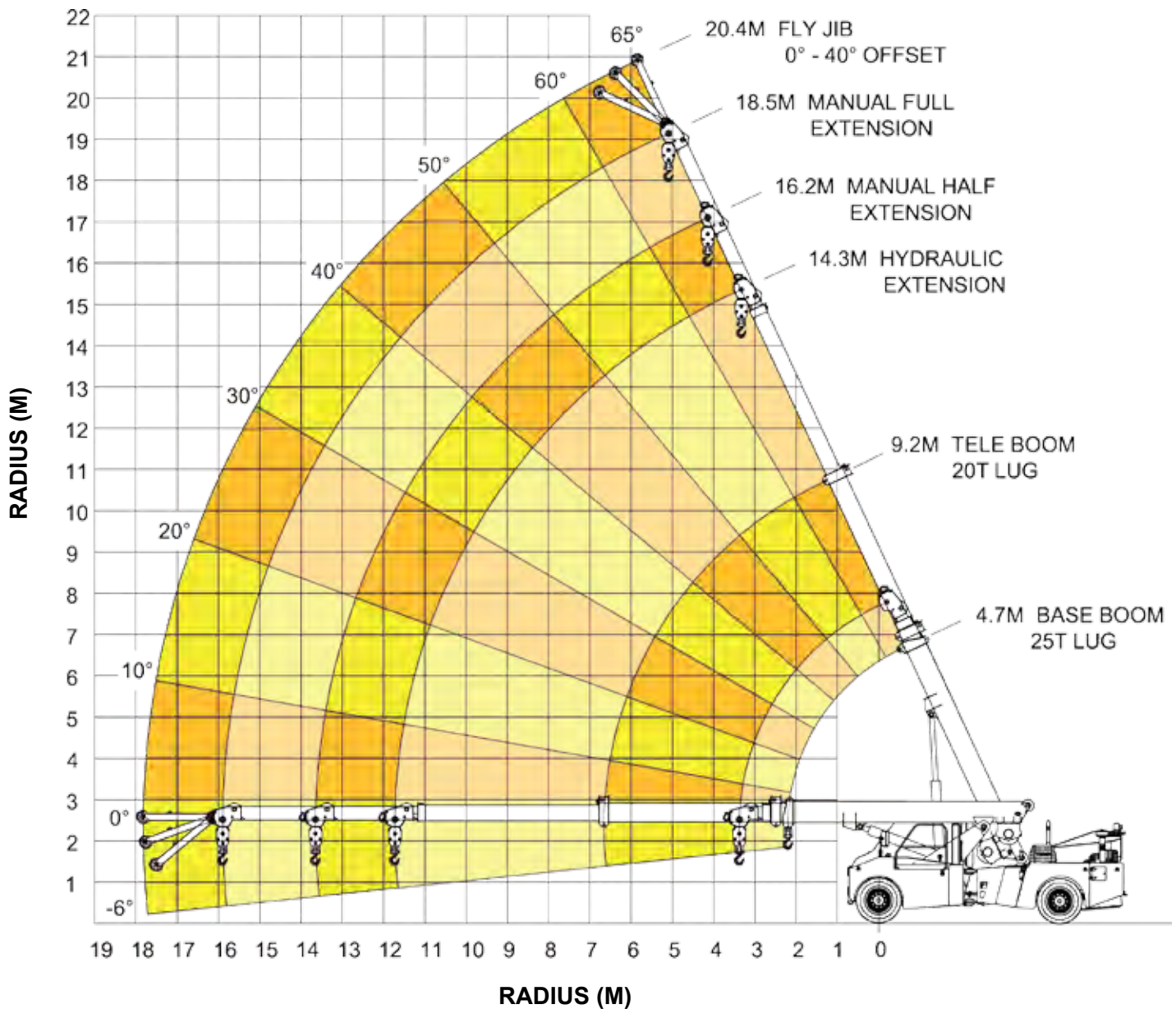
25t on lug No.1 (static)
20t on lug No.2 (sliding)

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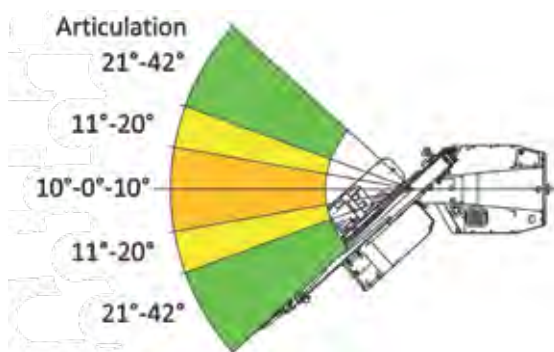
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Range Diagram



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 IIII

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:

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Designed & Manufactured by



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...for the long haul

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