

TIDD CRANE



PC25 - Main Hoist Manual Retracted with Counterweight on Rear

Manual Extended

RADIUS	BOOM LENGTH (M)																	
	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.3	
1.0	18400	18400	18400	18400														
	17480	17480	17480	17480														
	15640	15640	15640	15640														
	53	57	60	62														
1.5	18400	18400	18400	18400	18400	18400												
	17480	17480	17480	17480	17480	17480												
	15640	15640	15640	15640	15640	15640												
	47	51	55	57	60	62												
2.0	17200	17130	17060	16990	16920	16850	16780	16710										
	16340	16270	16210	16140	16070	16010	15940	15870										
	14620	14560	14500	14440	14380	14320	14260	14200										
	40	46	49	53	55	58	60	61										
2.5	15690	15580	15470	15350	15240	15210	15170	15140	15100	15070								
	14910	14800	14690	14590	14480	14440	14410	14380	14350	14310								
	13340	13240	13150	13050	12950	12920	12890	12860	12840	12810								
	32	39	44	48	51	54	56	58	60	61								
3.0	14110	14030	13950	13870	13790	13730	13670	13610	13560	13520	13480	13440	13400					
	13400	13330	13250	13180	13100	13040	12990	12930	12880	12840	12800	12770	12730					
	11990	11930	11860	11790	11720	11670	11620	11570	11520	11490	11460	11420	11390					
	20	31	38	42	46	49	52	54	56	58	60	61	62					
3.5	12670	12600	12540	12470	12410	12360	12300	12250	12200	12150	12110	12070	12030	11620	11220	10810		
	12030	11970	11910	11850	11790	11740	11690	11640	11590	11550	11510	11470	11430	11040	10660	10270		
	10770	10710	10660	10600	10550	10500	10460	10410	10370	10330	10300	10260	10230	9880	9530	9190		
		21	30	36	41	45	48	50	53	55	57	58	60	61	62	63		
4.0		11180	11130	11080	11030	10980	10930	10880	10840	10790	10750	10710	10670	10600	10530	10470	10400	
		10620	10570	10520	10480	10430	10390	10340	10290	10250	10210	10170	10130	10070	10010	9940	9880	
		9500	9460	9420	9380	9330	9290	9250	9210	9170	9140	9100	9070	9010	8950	8900	8840	
			21	29	35	40	43	46	49	51	53	55	57	58	60	61	63	
4.5			9860	9830	9790	9760	9720	9690	9650	9620	9590	9550	9520	9450	9390	9320	9250	
			9370	9330	9300	9270	9230	9200	9170	9140	9110	9080	9050	8980	8920	8850	8790	
			8380	8350	8320	8290	8260	8230	8200	8180	8150	8120	8090	8040	7980	7920	7860	
				20	28	34	38	42	45	48	50	52	54	56	57	59	60	
5.0				8570	8550	8530	8510	8490	8470	8440	8420	8400	8380	8310	8240	8170	8100	
				8140	8120	8100	8080	8060	8040	8020	8000	7980	7960	7890	7830	7760	7700	
				7290	7270	7250	7230	7210	7200	7180	7160	7140	7120	7060	7000	6940	6890	
					19	27	33	37	41	44	47	49	51	53	54	56	58	
6.0						7080	7080	7040	7020	7000	6980	6950	6930	6890	6840	6800	6750	
						6730	6730	6690	6670	6650	6630	6610	6590	6540	6500	6460	6410	
						6020	6020	5980	5960	5950	5930	5910	5890	5850	5820	5780	5740	
							18	26	31	35	39	42	45	47	49	51	53	
7.0								5590	5570	5550	5530	5510	5490	5460	5440	5420	5400	
								5310	5290	5270	5250	5230	5210	5190	5170	5150	5130	
								4750	4730	4720	4700	4680	4660	4640	4630	4610	4590	
									17	25	30	34	37	40	43	45	48	
8.0										4910	4890	4860	4840	4810	4790	4760	4740	
										4670	4640	4620	4600	4570	4550	4530	4500	
										4170	4150	4130	4110	4090	4070	4050	4030	
											16	23	28	32	36	39	42	
9.0												4220	4190	4160	4140	4110	4080	
												4010	3980	3950	3930	3900	3880	
												3580	3560	3540	3510	3490	3470	
													16	22	27	31	35	
10.0														3660	3640	3620	3590	
														3480	3460	3440	3410	
														3110	3090	3070	3050	
															15	22	28	
11.0																3200	3110	
																3040	2950	
																2720	2640	
																0	18	
11.8																	2890	
																	2740	
																	2450	
																	0	

RADIUS FROM FRONT AXLE (M)	BOOM LENGTH 18.5M
6.0	7000
	6650
	5950
	62
7.0	5700
	5420
	4850
	59
8.0	5250
	4980
	4460
	55
9.0	4790
	4550
	3590
	51
10.0	3970
	3770
	3370
	47
11.0	3150
	2990
	2680
	43
12.0	2910
	2770
	2480
	38
13.0	2680
	2540
	2270
	33
14.0	2390
	2150
	2030
	26
15.0	2110
	2000
	1790
	18
16.0	1940
	1840
	1650
	9
16.2	1900
	1810
	1620
	0

Rated Capacity in Kg

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

PC25 - Main Hoist Manual Retracted with NO Counterweight

Manual Extended

	BOOM LENGTH (M)																
RADIUS	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.3
1.0	18400	18400	18400	18400													
	17480	17480	17480	17480													
	15640	15640	15640	15640													
	53	57	60	62													
1.5	18400	18400	18400	18400	18400	18400											
	17480	17480	17480	17480	17480	17480											
	15640	15640	15640	15640	15640	15640											
	47	51	55	57	60	62											
2.0	17200	17130	17060	16990	16920	16850	16780	16710									
	16340	16274	16207	16141	16074	16008	15941	15875									
	14620	14561	14501	14442	14382	14323	14263	14204									
	40	46	49	53	55	58	60	61									
2.5	13900	13870	13840	13800	13770	13740	13710	13670	13640	13610							
	13205	13177	13148	13110	13082	13053	13025	12987	12958	12930							
	11815	11790	11764	11730	11705	11679	11654	11620	11594	11569							
	32	39	44	48	51	54	56	58	60	61							
3.0	11450	11400	11360	11310	11270	11220	11180	11130	11080	11040	10990	10950	10900				
	10878	10830	10792	10745	10707	10659	10621	10574	10526	10488	10441	10403	10355				
	9733	9690	9656	9614	9580	9537	9503	9461	9418	9384	9342	9308	9265				
	20	31	38	42	46	49	52	54	56	58	60	61	62				
3.5	10000	9940	9880	9820	9760	9700	9640	9580	9520	9460	9400	9340	9280	9220	9160	9100	
	9500	9443	9386	9329	9272	9215	9158	9101	9044	8987	8930	8873	8816	8759	8702	8645	
	8500	8449	8398	8347	8296	8245	8194	8143	8092	8041	7990	7939	7888	7837	7786	7735	
	0	21	30	36	41	45	48	50	53	55	57	58	60	61	62	63	
4.0		8800	8720	8630	8540	8450	8370	8280	8190	8110	8020	7930	7850	7760	7670	7590	7500
		8360	8284	8199	8113	8028	7952	7866	7781	7705	7619	7534	7458	7372	7287	7211	7125
		7480	7412	7336	7259	7183	7115	7038	6962	6894	6817	6741	6673	6596	6520	6452	6375
	0		21	29	35	40	43	46	49	51	53	55	57	58	60	61	63
4.5			7610	7550	7500	7440	7380	7330	7270	7220	7160	7100	7050	6990	6940	6880	6820
			7230	7173	7125	7068	7011	6964	6907	6859	6802	6745	6698	6641	6593	6536	6479
			6469	6418	6375	6324	6273	6231	6180	6137	6086	6035	5993	5942	5899	5848	5797
	0			20	28	34	38	42	45	48	50	52	54	56	57	59	60
5.0				6920	6860	6800	6740	6680	6620	6560	6500	6440	6380	6320	6260	6200	6150
				6574	6517	6460	6403	6346	6289	6232	6175	6118	6061	6004	5947	5890	5843
				5882	5831	5780	5729	5678	5627	5576	5525	5474	5423	5372	5321	5270	5228
	0				19	27	33	37	41	44	47	49	51	53	54	56	58
6.0						5650	5650	5640	5640	5630	5630	5620	5620	5610	5610	5600	5600
						5368	5368	5358	5358	5349	5349	5339	5339	5330	5330	5320	5320
						4803	4803	4794	4794	4786	4786	4777	4777	4769	4769	4760	4760
					0		18	26	31	35	39	42	45	47	49	51	53
7.0								4700	4680	4660	4640	4630	4610	4590	4570	4550	4530
								4465	4446	4427	4408	4399	4380	4361	4342	4323	4304
								3995	3978	3961	3944	3936	3919	3902	3885	3868	3851
							0		17	25	30	34	37	40	43	45	48
8.0										3980	3970	3970	3960	3960	3950	3950	3940
										3781	3772	3772	3762	3762	3753	3753	3743
										3383	3375	3375	3366	3366	3358	3358	3349
								0			16	23	28	32	36	39	42
9.0												3410	3400	3400	3390	3390	3390
												3240	3230	3230	3221	3221	3221
												2899	2890	2890	2882	2882	2882
										0			16	22	27	31	36
10.0															2940	2920	2900
															2793	2774	2755
															2499	2482	2465
													0			15	22
11.0																	2650
																	2518
																	2253
															0		18
11.8																	
																	2350
																	2233
																	1998
																	0

RADIUS FROM FRONT AXLE (M)	BOOM LENGTH 18.5M
5.1	6000
	5700
	5100
6	6000
	5700
	5100
7	4900
	4655
	4165
8	4090
	3886
	3477
9	3510
	3335
	2633
	51
10	3110
	2955
	2644
	47
11	2710
	2575
	2304
	43
12	2390
	2270.5
	2032
	38
13	2110
	2005
	1794
	33
14	1930
	1737
	1641
	26
15	1760
	1672
	1496
	18
16.0	1630
	1549
	1386
	9
16.2	1610
	1530
	1369
	0

Rated Capacity in Kg
■ 0°-10° articulation
■ 11°- 20° articulation
■ 21°- 42° articulation
 Boom angle in degree

