

Notes:

1. Maximum freestanding hook heights shown meet the requirements of ASME B30.3, EN14439, FEM1.001 & FEM1.004 and were calculated with an out-of-service wind-from-any-side speed of 62.5mph per FEM1.005 and a wind-from-rear speed of 90mph per ASCE 7 with ASCE 7 Exposure Category C, Risk Category II and a 0.9 velocity reduction factor per ASCE 37-02 for project durations less than 5 year.

2. Maximum hook heights may not apply to all project sites due to variations in wind speeds, exposure categories, risk categories or topography factors. Contact ALL for maximum hook heights for project sites where the conditions stated above are not applicable.

3. Maximum freestanding hook heights shown are based on the use of standard (39mm) tower bolts. In some instances it is possible to increase the maximum freestanding hook heights by utilizing larger tower bolts; contact ALL for additional information.

4. Due to availability and ease of erection a maximum of one TSK 213 mast section has been used in the tabulated hook heights. Additional mast combinations are possible utilizing two or more TSK 213 mast sections. Confirm availability and pricing with ALL.

5. Maximum hook heights with respect to typical hoist cable length correspond to four operating rope layers in accordance with the Terex SK 575 Operating Manual specifications. 619.7' is the maximum 2-part hook height based on maximum drum capacity. Contact ALL for availability and pricing when hook heights in excess of the typical hoist cable length are required.

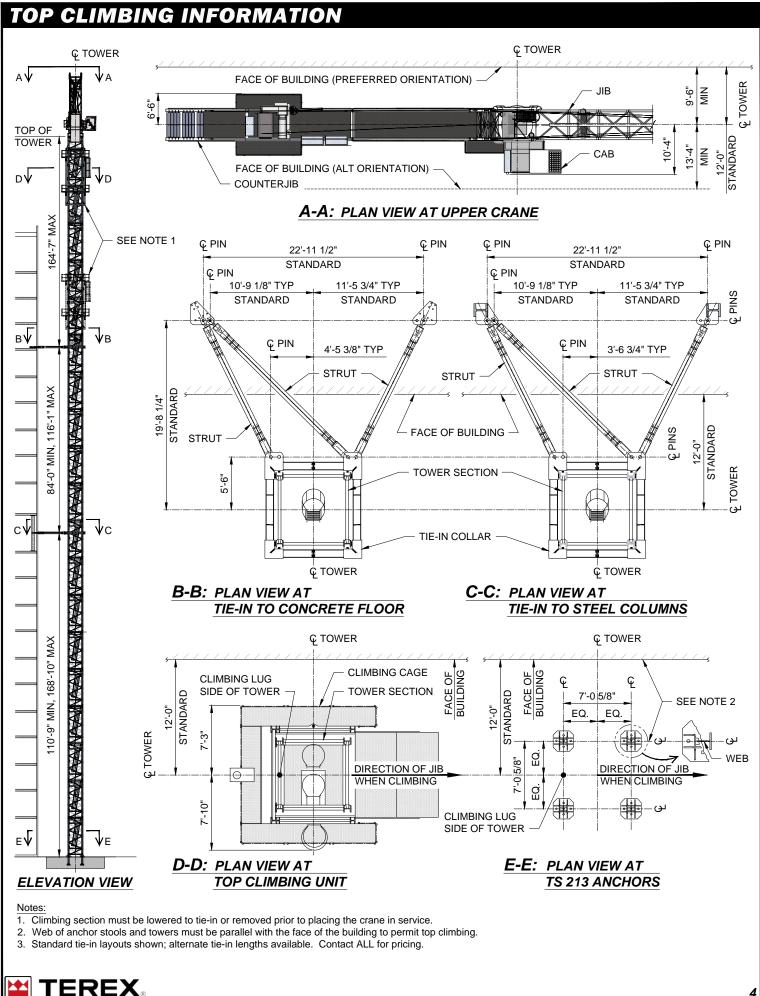


														CAPA				
	262'-6"	(L9) Jib	246'-1"	(L8) Jib	229'-8"	(L7) Jib	213'-3"	(L6) Jib	196'-10'	' (L5) Jib	180'-5"	(L4) Jib	164'-1"	(L3) Jib	147'-8"	(L2) Jib	131'-3"	(L1) Jit
Dealling	2-Part	4-Part	2-Part	4-Part	2-Part	4-Part	2-Part	4-Part	2-Part	4-Part	2-Part	4-Part	2-Part	4-Part	2-Part	4-Part	2-Part	4-Par (Ibs)
Radius 39'-4"	(lbs) 35,270	(lbs)* 70,540	(lbs) 35,270	(lbs)* 70,540	(lbs) 35,270	(lbs)* 70,540	(lbs) 35,270	(lbs)* 70,540	(lbs) 35,270	(lbs)* 70,540	(lbs) 35,270	(lbs)* 70,540	(lbs) 35,270	(lbs)* 70,540	(lbs) 35,270	(lbs)* 70,540	(lbs) 35,270	(IDS)
49'-2"	35,270	63,710	35,270	65,910	35,270	70,540	35,270	70,540	35,270	70,540	35,270	70,540	35,270	70,540	35,270	70,540	35,270	70,54
<del>59'-1</del> "	35,270	50,920	35,270	52,910	35,270	61,940	35,270	66,570	35,270	70,540	35,270	70,540	35,270	70,540	35,270	70,540	35,270	70,54
68'-11"	35,270	42,100	35,270	43,650	35,270	51,360	35,270	55,330	35,270	59,960	35,270	63,490	35,270	64,590	35,270	66,570	35,270	68,12
75'-6"	35,270	37,470	35,270	39,020	35,270	45,850	35,270	49,600	35,270	53,570	35,270	56,870	35,270	57.980	35,270	59,740	35,270	61,0
82'-0"	35,270	33,730	35,270	35,050	35,270	41,440	35,270	44,750	35,270	48,500	35,270	51,360	35,270	52,460	35,270	54,010	35,270	55,33
91'-10"	32,840	29,100	33,500	30,200	35,270	35,930	35,270	39,020	35,270	42,320	35,270	44,970	35,270	45,850	35,270	47,170	35,270	48,2
98'-5"	30,200	26,450	30,860	27,770	35,270	33,060	35,270	35,710	35,270	38,800	35,270	41,220	35,270	42,100	35,270	43,430	35,270	44,5
111'-7"	26,230	22,480	26,670	23,360	31,960	27,990	33,500	30,420	35,270	33,280	35,270	35,490	35,270	36,150	35,270	37,250	35,270	38,13
114'-10"	25,350	21,600	25,790	22,480	30,860	27,110	32,400	29,320	35,050	31,960	35,270	34,170	35,270	34,830	35,270	35,930	35,270	36,81
121'-5"	23,580	19,840	24,030	20,940	28,880	25,130	30,420	27,330	32,840	29,980	35,050	31,740	35,270	32,400	35,270	33,500	35,270	34,39
127'-11"	22,260	18,510	22,700	19,400	27,330	23,360	28,650	25,570	30,860	27,990	33,060	29,760	33,280	30,420	33,730	31,520	35,270	32,18
131'-3"	21,600	17,850	22,040	18,730	26,450	22,700	27,770	24,690	29,980	26,890	31,960	28,880	32,400	29,540	32,840	30,420	35,270	-
141'-1"	19,620	16,090	20,060	16,750	24,250	20,500	25,570	22,260	27,550	24,470	29,540	26,230	29,760	26,890	30,200	27,770	l	
144'-4"	19,180	15,430	19,620	16,310	23,580	19,840	24,910	21,600	26,890	23,800	28,650	25,350	28,880	26,010	29,320	26,890	ł	
147'-8"	18,510	14,990	18,950	15,650	22,920	19,180	24,250	20,940	26,230	23,140	27,990	24,690	28,210	25,130	28,650	-		
154'-2"	17,630	13,880	18,070	14,550	21,820	18,070	22,920	19,840	24,910	21,820	26,670	23,360	26,890	23,800				
160'-9"	16,750	13,000	17,190	13,660	20,720	16,970	21,820	18,510	23,580	20,500	25,350	22,040	25,570	22,480				
164'-0"	16,310	12,560	16,750	13,220	20,280	16,530	21,380	18,070	23,140	19,840	24,690	21,380	24,910	-				
173'-11"	15,210	11,460	15,430	12,120	18,950	14,990	19,840	16,530	21,600	18,290	23,140	19,620						
177'-2"	14,770	11,020	15,210	11,680	18,510	14,550	19,400	16,090	21,160	17,850	22,480	19,180	-					
180'-5"	14,550	10,800	14,770	11,240	18,070	14,100	18,950	15,650	20,500	17,410	22,040							
187'-0" 193'-7"	13,880	10,140	14,100	10,580	17,190	13,440	18,290	14,770	19,840	16,530								
193-7 196'-10"	13,220 12,780	9,470 9,250	13,440 13,220	10,140	16,530	12,780	17,410 17,190	14,100	18,950	15,650								
203'-5"	12,760	8,590	12,560	9,700 9,250	16,090 15,430	12,340 11,680	16,310	13,660 13,000	18,510	-								
203-5	12,340	8,150	12,560	9,250 8,590	15,430	11,080	15,650	12,340										
213'-3"	11,460	7,930	11,900	8,370	14,770	10.800	15,030	12,340										
213-3	10,800	7,270	11,240	7,710	13,660	9.920	10,400											
226'-5"	10,580	7,050	11,020	7,490	13,440	9,700												
229'-8"	10,360	6,830	10,800	7,270	13,220	-												
236'-3"	10,140	6,390	10,360	6,830	,===													
242'-9"	9,700	5.950	9,920	6,390														
246'-1"	9,470	5,730	9,700	-														
252'-7"	9,030	5,510																
259'-2"	8,810	5,070																
262'-6"	8,590	-																
														_		_		
													COUNTERWEIGHTS					
																(1.0) 1:1-	4241.0	
Weights	262'-6'	' (L9) Jib	246'-1'	' (L8) Jib	229'-8"	(L7) Jib	213'-3"	(L6) Jib	196'-10'	' (L5) Jib	180'-5"	(L4) Jib	164'-1"	(L3) Jib	147'-8"	(LZ) JID	131-3	(L1) Ji
	262'-6'	' <b>(L9) Jib</b> 0	246'-1'	<b>' (L8) Jib</b> 1		<b>(L7) Jib</b> 0		<b>(L6) Jib</b> 1		' <b>(L5) Jib</b> 0		<b>(L4) Jib</b> 0		(L3) Jib 1	1	(L2) JID 0		1 <b>(L1) Ji</b>
Weights 3,200 lbs 6,800 lbs																		1 7
3,200 lbs		0		1	1	0		1	1	0		0		1		0		1
3,200 lbs 6,800 lbs		0 10		1 9	1	0		1 9	1	0		0 9	57,6	1 8 00 lbs	54,4	0 8 00 lbs	50,8	1 7 00 lbs
3,200 lbs 6,800 lbs		0 10		1 9	1	0		1 9	1	0		0 9	57,6	1 8	54,4	0 8 00 lbs	50,8	1 7 00 lbs
3,200 lbs 6,800 lbs	68,0	0 10		1 9	1	0	64,4	1 9	1	0		0 9	57,6	1 8 00 lbs	54,4 HNI	0 8 00 lbs	50,8	1 7 00 lbs
3,200 lbs 6,800 lbs Total	68,0	0 10 000 lbs		1 9	68,0	0	64,4	1 9 00 lbs Speed	68,0	0	61,2	0 9	57,6	1 8 00 lbs	54,4 HNI	0 8 00 lbs	50,8	1 7 00 lbs
3,200 lbs 6,800 lbs Total Function	68,0	0 10 000 lbs Motor	64,4	1 9 000 lbs	68,00 0 - 7,1	0 0 00 lbs	64,4	1 9 00 lbs Speed	68,0 0 15,4	0 10 00 lbs	61,2 bs 2	0 9 00 lbs	57,6 Motor	1 8 00 lbs <b>DIEC</b> Output	54,4 HN	0 8 00 lbs CAN Power Re	50,8	1 7 00 lbs
3,200 lbs 6,800 lbs Total	68,0	0 10 000 lbs	64,4	1 9	0 - 7, 7,711 - 1	0 0 00 lbs 710 lbs	64,4 490 fp 315 fp	Speed	68,00 0 15,4	0 10 00 lbs	61,2 bs 2 50 lbs 1	0 9 00 lbs 245 fpm	57,6 Motor	1 8 00 lbs	54,4 HNI	0 8 00 lbs CAL Power Re 300A, 480	50,8 Equirement V AC, 60	1 7 00 lbs nts Hz,
3,200 lbs 5,800 lbs Total Functio	68,0	0 10 000 lbs Motor	64,4	1 9 000 lbs	0 - 7,; 7,711 - 1 13,221 -	710 lbs 3,220 lbs 22,040 lbs	64,4 490 fp 315 fp 5 195 fp	Speed	68,00 68,00 rt* 0 15,4 26,4	0 10 00 lbs - 15,430 l 31 - 26,45 151 - 52,9	61,2 bs 2 50 lbs 1 10 lbs 9	245 fpm 58 fpm 98 fpm	57,6 Motor	1 8 00 lbs <b>DIEC</b> Output	54,4 HNI	0 8 00 lbs CAL Power Re 300A, 480 ase + grou	50,8 DA equirement V AC, 600 und, 277V	1 7 00 lbs nts Hz,
3,200 lbs 6,800 lbs Total Function Hoist	n SR	0 10 000 lbs Motor	64,4 60/4F	1 9 000 lbs	0 - 7,; 7,711 - 1 13,221 -	0 0 00 lbs 710 lbs 13,220 lbs	64,44 490 fp 315 fp s 195 fp s 125 fp	Speed	68,00 68,00 rt* 0 15,4 26,4	0 10 00 lbs - 15,430 l 131 - 26,45	61,2 bs 2 50 lbs 1 10 lbs 9	0 9 00 lbs 245 fpm 58 fpm	57,6 Motor 165	1 8 00 lbs <b>DIEC</b> Output	54,4 <b>HN</b> 3-ph	0 8 00 lbs CAN Power Re 300A, 480 ase + grou 120° sh	50,8 DA equirement V AC, 600 und, 277V iff/phase^	1 7 00 lbs nts Hz, //phase ;
3,200 lbs 6,800 lbs Total Function	n SR	0 10 000 lbs Motor	64,4 60/4F //4	1 9 000 lbs	0 - 7,; 7,711 - 1 13,221 -	710 lbs 3,220 lbs 22,040 lbs	64,4 490 fp 315 fp s 195 fp s 125 fp 0 -	Speed Speed m m ann m	68,00 68,00 rt* 0 15,4 26,4	0 10 00 lbs - 15,430 l 31 - 26,45 151 - 52,9	61,2 bs 2 50 lbs 1 10 lbs 9	245 fpm 58 fpm 98 fpm	57,6 Motor 165	1 8 000 lbs 000 lbs	54,4 <b>HN</b> 3-ph: Mir	0 8 00 lbs CAL Power Re 300A, 480 ase + grou	50,8 DA equirement V AC, 600 und, 277V iff/phase^	Hz,

\* - 4-Part capacities require two trolleys; contact ALL for pricing.

^ - Use of open delta transformers is prohibited.





							VEIGHTS & MEASUREMENTS					
D	nienation	Shipping Dimensions Weig				Weight (Ibs)	t Assembled Components Information <sup>5,6</sup>					
	esignation	Illustration		. ,								
TS	S 213 (S60) Anchors <sup>1</sup>		5'-5" 9'-11"	2'-2" 9'-11"	2'-2" 10'-3"	1,500 23,300						
	Strut <sup>1</sup>		18'-9"	8'-7"	2'-4"	6,800						
BASE	÷		1000000000		10.00		T D D   WT = 16,000 LBS WT = 19,800 LBS WT = 29,700 LBS   TS 213 + ANCHORS (2) TS 213 TURNTABLE + CAB					
HD23 BASE	Internal Beam <sup>1</sup>		13'-3"	0'-6"	1'-2"	600						
	External Beam <sup>1</sup>		19'-3"	1'-0"	1'-2"	1,500						
	ST "S" Ballast		16'-6"	6'-3"	1'-1"	12,000	WT = 11,200 LBS WT = 33,100 LBS   TOWER TOP COMPLETE COUNTERJIB					
н	D23/TS213 Trans. Mast <sup>2</sup>		9'-10"	9'-10"	8'-3"	8,100						
н	D23/TS213 Adapter <sup>2</sup>		9'-10"	8'-2"	2'-2"	7,400						
TS	S213 Mast	Contraction of the second	19'-6"	8'-0"	8'-0"	9,900	WT = 18,600 LBS WT = 3,500 LBS   INNER JIB TROLLEY + BLOCK					
т	SK213 Mast <sup>3</sup>		9'-10"	8'-0"	6'-8"	6,400	r Å r Å					
т	K213 Climbing Beam <sup>3</sup>		8'-8"	0'-8"	1'-0"	600	WT = 11,300 LBS WT = 13,300 LBS					
TS	S213/212 Top Climbing Section		29'-3"	11'-6"	11'-6"	25,050	OUTER JIB (L1) OUTER JIB (L2)					
Τι	Irntable (with 3 slewing motors)		11'-9"	7'-1"	7'-5"	26,600	Marvino AMar					
O	perators Cab, Catwalk and Platform	N	16'-5"	7'-3"	8'-3"	3,500	WT = 17,600 LBS OUTER JIB (L3)					
Тс	ower Top	N. Star	29'-6"	6'-10"	9'-8"	11,200						
In	ner Counterjib		31'-10"	6'-8"	2'-3"	6,900	WT = 17,400 LBS					
0	uter Counterjib <sup>4</sup>		38'-10"	7'-5"	5'-11"	25,300	OUTER JIB (L4)					
La	rge Counterweight (BG 3.1 t)		15'-4"	5'-11"	0'-8"	6,800						
Sr	nall Counterweight (BG 1.45 t)		10'-4"	5'-11"	0'-8"	3,200	WT = 21,900 LBS OUTER JIB (L5)					
0	uter Trolley + Block + Hook		10'-10"	6'-7"	6'-2"	3,500						
In	ner Trolley + Block	×.	8'-2"	6'-7"	4'-9"	3,100	WT = 20,000 LBS					
	o Section 1 (with Trolley Motor & able)		39'-0"	6'-6"	6'-11"	8,400	OUTER JIB (L6)					
Jil	Section 2	MAARAM	40'-6"	6'-6"	7'-3"	6,500	Menner Martiner					
Jil	Section 3 (with Queens Post)	AND AND A	38'-10"	6'-6"	7'-7"	5,500	WT = 24,700 LBS <u>OUTER JIB (L7)</u>					
Jil	o Section 4		18'-8"	6'-6"	6'-10"	2,300	r \\					
Jil	o Section 5	AN ANA	35'-0"	6'-6"	6'-11"	4,400	WT = 21,700 LBS					
Jil	o Section 6	ARRANA A	35'-5"	6'-6"	6'-4"	4,100	OUTER JIB (L8) (continued on Page 6)					



## COMPONENT WEIGHTS & MEASUREMENTS (continued)

		Shipping Dimensions			Weight	
Designation	Illustration	L (ft-in)	W (ft-in)	H (ft-in)	(lbs)	Assembled Components Information <sup>5,6</sup>
Jib Section 7	ABBABA	33'-6"	6'-6"	6'-3"	2,600	×
Jib Section 8		33'-5"	6'-6"	6'-2"	1,600	ANONA MOAMENNADAN
Jib Tip	âb	4'-6"	6'-8"	5'-0"	1,400	WT = 25,400 LBS OUTER JIB (L9)

Notes:

1) Weight and Dimensions are per component; one complete set requires four (4) components.

2) Either the HD23/TS213 Transition Mast or the HD23/TS213 Adapter must be installed immediately above the HD23 Base.

3) TSK213 and two (2) TSK213 Climbing Beams are required to top climb this crane. Climbing beam information shown is per component.

4) Includes 108 HP Hoist Deck (9,300 lbs) and hoist cable (3,300 lbs).

5) Sizes and rigging shown are approximate and are for general illustration. Consult the crane specific Operator's Manual for Assembly/Dismante procedures, weights and rigging recommendations. Crane assembly and dismantle shall be carried out under the supervision of a qualified technician.

6) Weights shown are approximate and have been rounded. Weights do not include rigging weight or any weights associated with the assist crane's hook, block or hoist line. Where applicable, pendant lines and wire rope weights associated with the tower crane have been included. Rigging shall only be conducted by a qualified rigger; weights shown shall be verified prior to lifting.

NOTES	

## Effective Date: December 2016

Product data sheets are subject to change without notice or obligation. Contact ALL Tower Crane for information.

The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. Products listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex® is a registered trademark of Terex Corporation in the USA and many other countries.

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