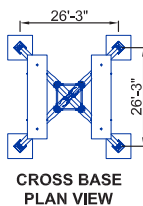
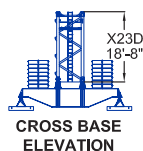


Free-Standing Hook Heights

STANDARD FOUNDATION	
Tower Configuration	Hook Height (ft.)
4 x X30 + 1 x TR. X30/X23D + 12 x X23D + 1 x X23E**	310'-0"
4 x X30 + 1 x TR. X30/X23D + 12 x X23D*	299'-6"
3 x X30 + 1 x TR. X30/X23D + 12 x X23D + 1 x X23E*	291'-4"
3 x X30 + 1 x TR. X30/X23D + 12 x X23D*	280'-10"
2 x X30 + 1 x TR. X30/X23D + 12 x X23D + 1 x X23E*	272'-8"
2 x X30 + 1 x TR. X30/X23D + 12 x X23D**	262'-2"
1 x X30 + 1 x TR. X30/X23D + 12 x X23D + 1 x X23E*	254'-0"
1 x X30 + 1 x TR. X30/X23D + 12 x X23D*	243'-5"
12 x X23D + 1 x X23E	230'-8"
12 x X23D	220'-2"
11 x X23D + 1 x X23E	211'-11"
11 x X23D	201'-5"
10 x X23D + 1 x X23E	193'-3"
10 x X23D	182'-9"
9 x X23D + 1 x X23E	174'-7"
9 x X23D	164'-1"
8 x X23D + 1 x X23E	155'-10"
8 x X23D	145'-4"
7 x X23D + 1 x X23E	137'-2"
7 x X23D	126'-8"
6 x X23D + 1 x X23E	118'-5"
6 x X23D	107'-11"
5 x X23D + 1 x X23E	99'-9"
5 x X23D	89'-3"
4 x X23D + 1 x X23E	81'-0"
4 x X23D	70'-6"
3 x X23D + 1 x X23E	62'-4"
3 x X23D	51'-10"
2 x X23D + 1 x X23E	43'-8"
2 x X23D	33'-2"

BASE CROSS FOUNDATION	
Tower Configuration	Hook Height (ft.)
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
12 x X23D	226'-4"
11 x X23D + 1 x X23E	218'-2"
11 x X23D	207'-8"
10 x X23D + 1 x X23E	199'-6"
10 x X23D	189'-0"
9 x X23D + 1 x X23E	180'-9"
9 x X23D	170'-3"
8 x X23D + 1 x X23E	162'-1"
8 x X23D	151'-7"
7 x X23D + 1 x X23E	143'-4"
7 x X23D	132'-10"
6 x X23D + 1 x X23E	124'-8"
6 x X23D	114'-2"
5 x X23D + 1 x X23E	106'-0"
5 x X23D	95'-6"
4 x X23D + 1 x X23E	87'-3"
4 x X23D	76'-9"
3 x X23D + 1 x X23E	68'-7"
3 x X23D	58'-1"
2 x X23D + 1 x X23E	49'-10"
2 x X23D	39'-4"

STANDARD FOUNDATION



Hook heights based on configuration with 2-part hook block. Subtract 1'-11" for 4-part hook block.
X23E section MUST be installed for any top climbing applications.

Tower configurations based on 115 mph wind speeds, out of service and 45 mph in service.

*Tower configurations based on 90 mph wind speeds, out of service and 45 mph in service.

**For wind speed restrictions consult with P&J Arcomet Engineering.













2-Part Line

Hook Radius (ft.) 12'-6" (Min.)	AVAILABLE JIB LENGTHS IN FEET											
	L12 278'-10"	L11 262'-6"	L10 246'-1"	L9 229'-8"	L8 213'-3"	L7 196'-10"	L6 180'-5"	L5 164'-1"	L4 147'-8"	L3 131'-3"	L2 114'-10"	L1 98'-5"
36'-0"	lbs. 35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275
45'-11"	lbs. 35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275
66'-0"	lbs. 35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275
73'-9"	lbs. 33,550	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275
78'-9"	lbs. 31,815	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275
82'-0"	lbs. 29,565	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275
90'-3"	lbs. 26,345	29,935	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275
98'-5"	lbs. 23,695	28,560	32,895	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275	35,275
106'-6"	lbs. 21,465	27,205	29,925	33,470	35,275	35,275	35,275	35,275	35,275	35,275	35,275	
114'-10"	lbs. 19,575	24,885	27,400	30,680	32,755	35,275	35,275	35,275	35,275	35,275	35,275	
123'-0"	lbs. 17,940	22,885	25,230	28,280	30,210	33,970	35,275	35,275	35,275	35,275		
131'-3"	lbs. 16,525	21,145	23,335	26,190	27,990	31,510	33,080	34,345	35,275	35,275		
139'-5"	lbs. 15,280	19,615	21,675	24,355	26,045	29,350	30,825	32,010	34,155			
147'-8"	lbs. 14,175	18,265	20,205	22,730	24,325	27,440	28,830	29,945	31,965			
155'-10"	lbs. 13,190	17,060	18,895	21,280	22,790	25,735	27,045	28,105				
164'-1"	lbs. 12,310	15,980	17,720	19,985	21,415	24,205	25,450	26,455				
172'-3"	lbs. 11,515	15,005	16,660	18,810	20,175	22,830	24,010					
180'-5"	lbs. 10,795	14,120	15,700	17,750	19,050	21,580	22,710					
188'-6"	lbs. 10,135	13,315	14,820	16,785	18,025	20,435						
196'-10"	lbs. 9,538	12,580	14,020	15,900	17,085	19,400						
205'-1"	lbs. 8,990	11,905	13,285	15,090	16,225							
213'-3"	lbs. 8,480	11,280	12,610	14,330	15,430							
221'-6"	lbs. 8,010	10,705	11,985	13,645								
229'-8"	lbs. 7,575	10,170	11,400	13,005								
237'-11"	lbs. 7,170	9,675	10,870									
246'-1"	lbs. 6,795	9,215	10,360									
254'-4"	lbs. 6,435	8,775										
262'-6"	lbs. 6,110	8,380										
270'-9"	lbs. 5,800											
278'-10"	lbs. 5,510											

4-Part Line

Hook Radius (ft.) 14'-1" (Min.)	AVAILABLE JIB LENGTHS IN FEET											
	L12 278'-10"	L11 262'-6"	L10 246'-1"	L9 229'-8"	L8 213'-3"	L7 196'-10"	L6 180'-5"	L5 164'-1"	L4 147'-8"	L3 131'-3"	L2 114'-10"	L1 98'-5"
36'-0"	lbs. 70,550	70,550	70,550	70,550	70,550	70,550	70,550	70,550	70,550	70,550	70,550	70,550
39'-5"	lbs. 64,610	70,550	70,550	70,550	70,550	70,550	70,550	70,550	70,550	70,550	70,550	70,550
45'-11"	lbs. 51,370	64,575	70,550	70,550	70,550	70,550	70,550	70,550	70,550	70,550	70,550	70,550
62'-4"	lbs. 35,620	45,265	49,825	55,765	59,515	66,840	70,550	70,550	70,550	70,550	70,550	70,550
73'-9"	lbs. 29,325	37,550	41,440	46,500	49,690	55,930	58,850	60,290	62,890	68,755	63,300	63,225
78'-9"	lbs. 26,570	34,170	37,765	42,440	45,390	51,155	53,725	55,795	59,535	67,970	60,125	60,015
82'-0"	lbs. 25,410	32,835	36,215	40,725	43,575	49,140	51,620	53,620	57,230	65,120	57,800	57,690
90'-3"	lbs. 22,460	29,440	32,275	36,375	38,965	44,025	46,275	48,095	51,375	57,890	51,890	51,795
95'-2"	lbs. 20,700	27,415	29,930	33,785	36,220	40,975	43,090	44,800	47,885	53,580	48,370	48,280
103'-3"	lbs. 18,470	24,240	26,965	30,505	32,745	37,115	39,065	40,635	43,470	48,275	43,915	
111'-7"	lbs. 16,580	21,920	24,440	27,720	29,790	33,835	35,640	37,090	39,710	43,830	40,125	
119'-9"	lbs. 14,950	19,920	22,265	25,315	27,245	31,005	32,685	34,035	36,475	40,045		
127'-11"	lbs. 13,530	18,180	20,370	23,225	25,030	28,545	30,115	31,380	33,660	33,950		
136'-1"	lbs. 12,285	16,650	18,710	21,390	23,085	26,385	27,860	29,045	31,190			
144'-4"	lbs. 11,180	15,300	17,240	19,765	21,360	24,475	25,865	26,980	29,005			
152'-6"	lbs. 10,195	14,095	15,930	18,320	19,830	22,770	24,085	25,140				
160'-9"	lbs. 9,315	13,015	14,755	17,020	18,450	21,245	22,490	23,490				
168'-11"	lbs. 8,520	12,040	13,695	15,850	17,210	19,865	21,050					
177'-2"	lbs. 7,800	11,155	12,735	14,785	16,085	18,615	19,745					
185'-4"	lbs. 7,145	10,350	11,860	13,820	15,060	17,475						
193'-7"	lbs. 6,545	9,610	11,055	12,935	14,120	16,435						
201'-9"	lbs. 5,990	8,940	10,320	12,125	13,260							
210'-0"	lbs. 5,485	8,315	9,645	11,375	12,470							
218'-2"	lbs. 5,015	7,740	9,020	10,685								
226'-5"	lbs. 4,580	7,210	8,440	10,045								
234'-6"	lbs. 4,175	6,710	7,900									
242'-9"	lbs. 3,800	6,250	7,400									
250'-11"	lbs. 3,445	5,820										
259'-2"	lbs. 3,115	5,415										
267'-4"	lbs. 2,800											
275'-6"	lbs. 2,515											

Speeds

TROLLEY T110 FC 85		0 to 328 fpm				1 x 14.85 hp / 1 x 11 kW	
SWING S145TA-130.146 LB14/13A		0 to 1.0 rpm				4 x 10 hp / 4 x 7.5 kW	
STANDARD HOIST UNIT H115FL80-700		 fpm lbs		 fpm lbs		1 x 154 hp / 1 x 115 Kw	
		489	2,205	244	4,409	Maximum Hook Heights ft.	
		305	7,055	153	14,110	 837	 418
		203	17,637	102	35,274	Total motor output approx. (without travel)	210 hp
		102	35,274	51	70,548		
		33	35,274	16	70,548	Connected Power	265 kVA

Measured under nominal load at the turntable of the tower crane. Speeds and power calculated using 480 VAC @ 60 Hertz.

Power Requirements

Power Supply: 3-phase 480 V, 60 Hz; 3-wire plus ground; No Neutral.

480 V phase - phase, 277 V each phase to ground with 120° phase shift between phases.

Service size: Fused disconnect, 350 Amperes.

Notes:

1. For electric power provided by an electric utility, do not use open Delta transformers.
2. For electric power provided by a generator, the minimum generator size required is 350 kW.

A properly sized generator is critical to the safe operation of the crane.

Counterweight

JIB LENGTH	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12
WEIGHT (LBS.)	60,575	69,395	74,905	81,510	84,805	57,280	53,970	62,790	62,790	62,790	66,085	66,085
PHZ2500J	1	1	0	0	0	0	1	1	1	1	1	1
PHZ4000J	1	1	0	1	0	1	0	1	1	1	0	0
PHZ5500C	5	5	6	6	7	4	4	4	4	4	5	5

PHZ2500J weighs 5,510 lbs. PHZ4000J weighs 8,820 lbs. PHZ5500C weighs 12,115 lbs. Allowable deviation ± 2%

Information contained in this specification sheet is of a general nature. Operator's manual should be consulted and adhered to.

Dimensions and Weights

ITEM	ILLUSTRATION	LENGTH	WIDTH	HEIGHT	WEIGHT lbs.	ASSEMBLED COMPONENTS
X23D Anchor Stool		7'-0"	2'-0"	2'-0"	1,325	
Base Cross Long Beam for X23D Tower		38'-6"	2'-0"	7'-8"	17,400	
Base Cross Short Beams for X23D Tower (2 Pieces)		18'-7"	2'-0"	7'-8"	8,590/ea.	Jib for L1 98'-5" hook radius 32'-9" - 9,000 lbs.
Base Support for X23D Tower (4 Pieces)		2'-6"	2'-6"	2'-0"	660/ea.	
Ballast Weight		22'-4"	6'-3"	1'-4"	20,950	
X23D Tower Section		19'-8"	7'-6"	7'-6"	13,600	Jib for L2 114'-10" hook radius 48'-3" - 12,700 lbs.
X23E Tower Section		10'-8"	7'-6"	7'-6"	8,200	
X30 Tower Section		19'-8"	9'-10"	9'-10"	15,050	Jib for L3 131'-3" hook radius 65'-7" - 15,300 lbs.
X30/X23D Transition Section		7'-1"	11'-4"	11'-4"	13,760	
X23D Tie-in Collar		12'-4"	10'-9"	0'-7"	4,440	
X23D Top Climbing Section (w/Accessories)		38'-0"	15'-1"	15'-1"	29,100	Jib for L4 147'-8" hook radius 82'-0" - 19,000 lbs.
Turntable- Upper Part		9'-2"	8'-0"	4'-9"	9,000	
Turntable- Lower Part		8'-4"	8'-4"	3'-8"	8,800	
Turntable Complete (w/ Cabin , Electric Cabinets & platforms)		20'-1"	12'-4"	12'-8"	25,900	Jib for L5 164'-1" hook radius 98'-5" - 20,000 lbs.
Operator Cabin		6'-10"	4'-11"	7'-4"	1,800	
Hoisting & trolley, slewing and power distributor cabinets		-	-	-	1,200	
Counter jib- 1		27'-6"	6'-3"	8'-5"	16,300	Jib for L6 180'-5" hook radius 114'-9" - 23,700 lbs.
Counter jib- 2 (Including handrails & platforms)		20'-8"	5'-10"	8'-0"	7,300	
Counter jib- 3 (Including handrails & platforms)		38'-3"	5'-11"	2'-10"	13,300	
Hoisting Mechanism (Not including hoist rope)		10'-11"	7'-11"	5'-9"	16,500	Jib for L7 196'-10" hook radius 131'-2" - 23,200 lbs.
Hoisting Mechanism (including 1,200 ft hoist rope)		10'-11"	7'-11"	5'-9"	18,850	
Trolley Mechanism		5'-1"	3'-0"	2'-9"	1,600	Jib for L8 213'-3" hook radius 147'-7" - 26,900 lbs.
Jib 1		34'-1"	5'-11"	7'-9"	15,900	
Jib 2		34'-1"	4'-11"	7'-11"	12,200	
Jib 3		34'-1"	4'-11"	8'-0"	8,500	Jib for L9 229'-8" hook radius 164'-0" - 28,100 lbs.
Jib 4		17'-8"	4'-11"	7'-10"	3,700	
Jib 5		33'-10"	4'-11"	7'-10"	6,300	
Jib 6		33'-8"	4'-11"	6'-5"	4,700	Jib for L10 246'-1" hook radius 180'-5" - 28,800 lbs.
Jib 7		33'-6"	4'-11"	6'-4"	3,200	
Jib 8		16'-11"	4'-11"	6'-2"	1,300	
Jib 9		16'-11"	4'-11"	6'-2"	1,200	Jib for L11 262'-6" hook radius 196'-10" - 30,000 lbs.
Jib 10		33'-4"	4'-11"	6'-0"	1,900	
Jib Tip (T)		5'-9"	3'-3"	5'-1"	500	
Single Trolley for 2-Part Line		7'-10"	5'-9"	3'-9"	1,300	Jib for L12 278'-10" hook radius 213'-2" - 31,300 lbs.
Single Load Block for 2-Part Line		4'-2"	1'-5"	5'-11"	1,500	
Double Trolley for 4-Part Line		15'-2"	5'-9"	4'-2"	2,700	
Double Load Block for 4-Part Line		6'-2"	2'-8"	8'-0"	2,700	
Counterweight PHZ5500C		4'-5"	1'-6"	12'-2"	12,115	
Counterweight PHZ4000J		4'-5"	1'-6"	8'-10"	8,820	
Counterweight PHZ2500J		4'-5"	1'-6"	5'-7"	5,510	
Power Cable		3'-4"	3'-4"	3'-6"	600	

*Any printed weights should be confirmed in the field and adjustments made to lifting equipment if required. Images within this specification sheet are not to scale.

*The operators manual should be used for crane assembly/disassembly. Sizes and weights shown herein are for general illustration and are approximate in scope.

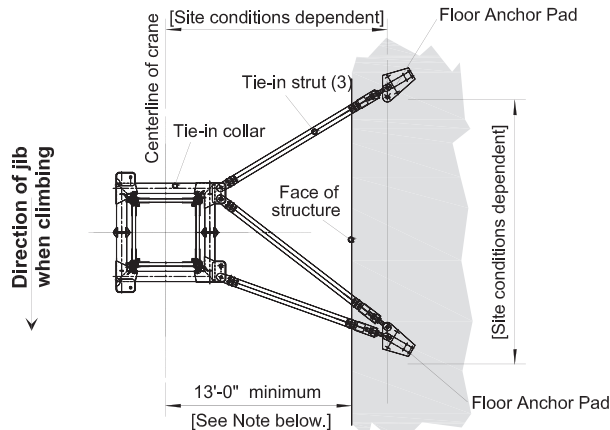
*Consult operating manual for erection instructions.

Tie-in Details



NOTE: Restrictions apply; please consult operation manual or P&J Arcomet.

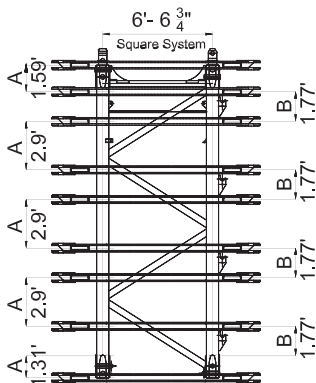
¹ Lower top climbing unit to upper tie-in assembly prior to operating crane.



TIE-IN ASSEMBLY with X23D Tower Plan View

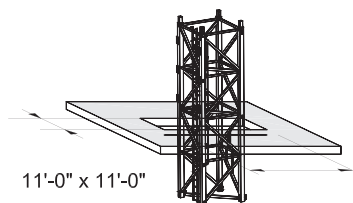
NOTE: The tie-in assembly shown is an example of a typical installation when using X23D tower. Please note, however, that factors determining the installation of tie-in assemblies may vary due to project specific requirements. Contact P&J Arcomet for information.

Consult T600-32 Operation Manual before erecting, operating, servicing or dismantling crane.

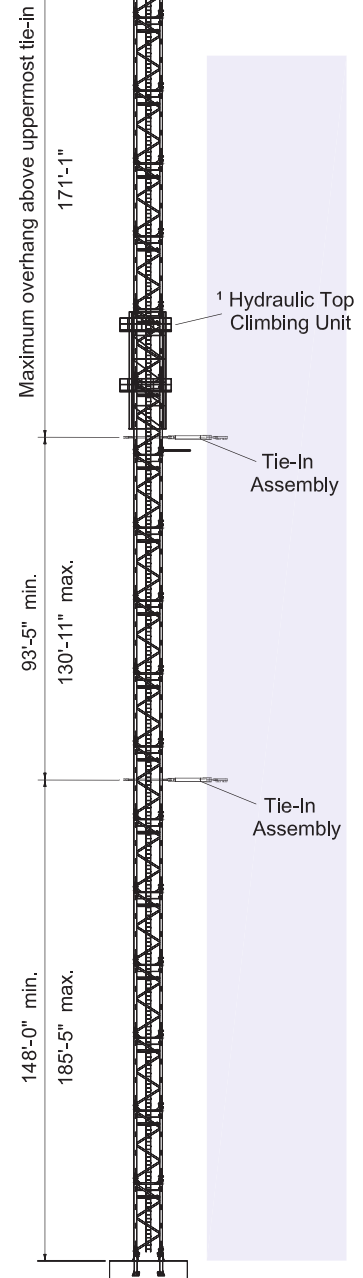


TYPICAL X23D TOWER SECTION ONLY (ELEVATIONS)
A- TIE-IN ALLOWED IN THIS AREA
B- DO NOT TIE-IN IN THIS AREA

NOTE: Recommended slab opening for erection and dismantling. For other factors including sway, contact P&J Arcomet.



SLAB OPENING Recommended for X23D



with X23D Tower plus X23E climbing section