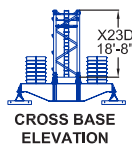


Free-Standing Hook Heights*

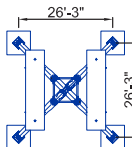
STANDARD FOUNDATION	
Tower Configuration	Hook Height (ft.)
13 x X23D	239'-11"
12 x X23D + 1 x X23E	231'-9"
12 x X23D	221'-3"
11 x X23D + 1 x X23E	213'-0"
11 x X23D	202'-6"
10 x X23D + 1 x X23E	194'-4"
10 x X23D	183'-10"
9 x X23D + 1 x X23E	175'-8"
9 x X23D	165'-2"
8 x X23D + 1 x X23E	156'-11"
8 x X23D	146'-5"
7 x X23D + 1 x X23E	138'-3"
7 x X23D	127'-9"
6 x X23D + 1 x X23E	119'-6"
6 x X23D	109'-0"
5 x X23D + 1 x X23E	100'-10"
5 x X23D	90'-4"
4 x X23D + 1 x X23E	82'-1"
4 x X23D	71'-7"
3 x X23D + 1 x X23E	63'-5"
3 x X23D	52'-11"
2 x X23D + 1 x X23E	44'-9"
2 x X23D	34'-3"

BASE CROSS FOUNDATION	
Tower Configuration	Hook Height (ft.)
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



CROSS BASE ELEVATION



CROSS BASE PLAN VIEW

* 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.

Additional tower configuration and information available upon request.

2-Part Line

Hook Radius (ft.) 8'-2" (Min.)		AVAILABLE JIB LENGTHS IN FEET							
		L8 262'-6"	L7 246'-1"	L6 229'-8"	L5 213'-3"	L4 196'-10"	L3 180'-5"	L2 164'-1"	L1 131'-3"
82'-0"	lbs	27,560	27,560	27,560	27,560	27,560	27,560	27,560	27,560
98'-5"	lbs	24,920	27,560	27,560	27,560	27,560	27,560	27,560	27,560
114'-10"	lbs	20,640	24,390	27,430	27,560	27,560	27,560	27,560	27,560
131'-3"	lbs	17,460	20,730	23,370	24,650	25,090	25,380	25,150	24,255
139'-5"	lbs	16,160	19,225	21,720	22,930	23,330	23,595	23,395	
147'-8"	lbs	15,020	17,900	20,240	21,380	21,785	22,025	21,830	
155'-10"	lbs	14,000	16,735	18,940	20,020	20,395	20,615	20,440	
164'-1"	lbs	13,075	15,680	17,770	18,780	19,140	19,360	19,180	
180'-5"	lbs	11,490	13,850	15,740	16,670	17,000	17,200		
196'-10"	lbs	10,190	12,350	14,020	14,920	15,210			
213'-3"	lbs	9,085	11,070	12,670	13,450				
229'-8"	lbs	8,140	9,990	11,460					
246'-1"	lbs	7,320	9,040						
262'-6"	lbs	6,615							

4-Part Line

Hook Radius (ft.) 11'-6" (Min.)		AVAILABLE JIB LENGTHS IN FEET							
		L8 262'-6"	L7 246'-1"	L6 229'-8"	L5 213'-3"	L4 196'-10"	L3 180'-5"	L2 164'-1"	L1 131'-3"
45'-11"	lbs	55,125	55,125	55,125	55,125	55,125	55,125	55,125	55,125
62'-4"	lbs	40,220	47,410	53,205	55,125	55,125	55,125	55,125	55,125
78'-9"	lbs	29,855	35,455	39,955	45,160	42,910	43,395	43,000	41,475
95'-2"	lbs	23,240	27,825	31,530	33,315	33,935	34,330	34,025	32,745
111'-7"	lbs	18,675	22,555	25,690	27,210	27,715	28,045	27,785	26,725
127'-11"	lbs	15,325	18,675	21,390	22,710	23,150	23,460	23,220	22,290
144'-4"	lbs	12,745	15,720	18,105	19,270	19,670	19,935	19,710	
160'-9"	lbs	10,715	13,360	15,525	16,560	16,910	17,130	16,955	
177'-2"	lbs	9,085	11,465	13,405	14,355	14,685	14,885		
193'-7"	lbs	7,715	9,900	11,685	12,545	12,835			
210'-0"	lbs	6,570	8,600	10,230	11,025				
226'-5"	lbs	5,600	7,475	8,975					
242'-9"	lbs	4,760	6,505						
259'-2"	lbs	4,035							

Speeds

TROLLEY T110 FC 80		0 to 328 fpm				1 x 14.85 HP / 1 x 11 kW	
SWING S145 TA-130-146 LB12/16A		0 to 1.0 rpm				4 x 10 HP / 4 x 7.5 kW	
STANDARD HOIST UNIT H 100FL63-820		 fpm lbs		 fpm lbs		1 x 155 HP / 1 x 115 Kw	
		492	4,410	246	8,820	Maximum Hook Heights ft.	
		369	8,380	184	16,760	 837	 418
		246	13,780	123	27,560	Total motor output approx. (without travel)	210 HP
		123	27,560	62	55,125		
		40	27,560	20	55,125	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
WEIGHT (LBS.)	37,479	52,911	55,116	63,934	70,548	72,753	74,957	77,162
PHZ4000	3	1	0	1	3	2	1	0
PHZ5000	1	4	5	5	4	5	6	7

PHZ4000 weighs 8,818 lbs. PHZ5000 weighs 11,023 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

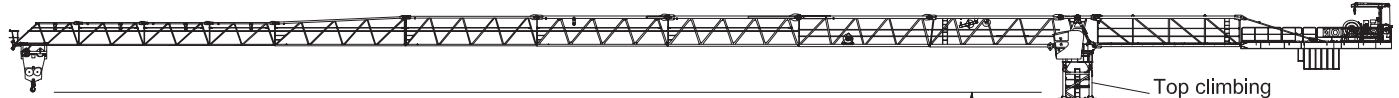
ITEM	ILLUSTRATION	LENGTH	WIDTH	HEIGHT	WEIGHT lbs.	ASSEMBLED COMPONENTS
X23D Anchor Stools		7'-0"	2'-0"	1'-9"	1,325	
Base Cross Long Beam for X23D Tower		38'-6"	2'-0"	7'-8"	17,400	
Base Cross Short Beams for X23D Tower (2 Pieces)		18'-7"	2'-0"	7'-8"	8,590/ea.	
Base Support for X23D Tower (4 Pieces)		2'-6"	2'-6"	2'-0"	660/ea.	Jib for L1 131'-3" hook radius with suspension cables 135'-2" - 48,600 lbs.
X23D Tower Section		19'-8"	7'-6"	7'-6"	13,600	
X23E Tower Section		10'-8"	7'-6"	7'-6"	8,200	Jib for L2 164'-0" hook radius with suspension cables 168'-1" - 53,600 lbs.
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	
Turntable- Upper		9'-4"	5'-3"	8'-0"	16,200	Jib for L3 180'-5" hook radius with suspension cables 184'-6" - 53,600 lbs.
Turntable- Lower		8'-6"	4'-6"	8'-2"	9,800	
Operator Cabin w/Platform		7'-3"	4'-11"	7'-6"	3,000	Jib for L4 196'-10" hook radius with suspension cables 201'-0" - 56,600 lbs.
Electric Panel w/Platform		7'-2"	4'-3"	7'-6"	3,000	
Turntable w/3 Swing Motors		9'-4"	8'-0"	9'-0"	26,000	
Turntable (Complete w/Cabin, Elect. Panel, 3 Swing Motors)		20'-0"	16'-0"	12'-0"	32,000	Jib for L5 213'-3" hook radius with suspension cables 217'-4" - 58,600 lbs.
Tower Head		10'-10"	7'-10"	7'-7"	6,800	
Counter-jib 1		38'-0"	6'-11"	8'-4"	15,800	Jib for L6 229'-8" hook radius with suspension cables 233'-10" - 59,600 lbs.
Counter-jib 2 (including handrails & platforms)		38'-7"	6'-2"	1'-11"	12,800	
Hoisting Mechanism (not including hoist rope)		7'-5"	8'-0"	4'-2"	15,800	
Trolley Mechanism		5'-1"	2'-7"	2'-11"	1,600	Jib for L7 246'-1" hook radius with suspension cables 250'-3" - 60,600 lbs.
Jib 1		34'-1"	7'-1"	8'-5"	17,500	
Jib 2 (including Trolley Mechanism)		34'-1"	6'-3"	8'-0"	14,200	Jib for L8 262'-6" hook radius with suspension cables 266'-8" - 61,600 lbs.
Jib 3		34'-5"	6'-3"	8'-2"	8,600	
Jib 4		34'-1"	6'-3"	7'-11"	6,500	
Jib 5		34'-1"	6'-3"	7'-9"	4,900	
Jib 6		33'-10"	6'-3"	7'-7"	3,600	
Jib 7		17'-1"	6'-3"	6'-0"	1,400	
Jib 8		17'-1"	6'-3"	6'-0"	1,100	
Jib 9		17'-1"	6'-3"	5'-10"	1,000	
Jib 10		16'-5"	6'-3"	5'-10"	900	
Jib Tip		4'-11"	7'-1"	5'-3"	600	
Single Trolley for 2-Part Line		7'-1"	7'-2"	4'-2"	1,300	
Single Load Block for 2-Part Line		4'-2"	1'-5"	5'-11"	1,500	
Double Trolley for 4-Part Line		14'-2"	7'-2"	4'-2"	2,600	
Double Load Block for 4-Part Line		6'-3"	1'-5"	7'-10"	2,200	
Counterweight PHZ5000		4'-9"	1'-6"	10'-6"	11,023	
Counterweight PHZ4000		4'-9"	1'-6"	8'-6"	8,818	
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.

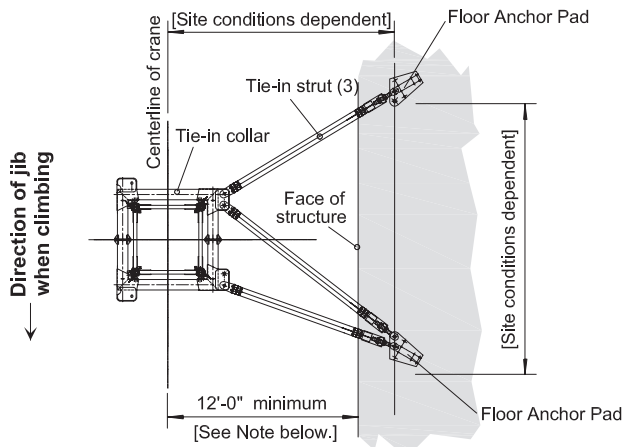
Consult operating manual for erection instructions.

Tie-in Details



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

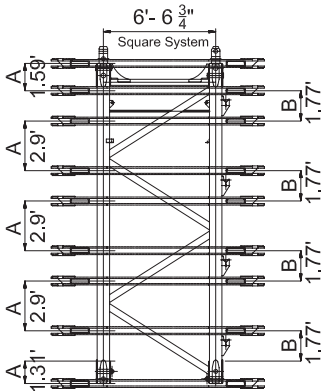
¹ Lower top climbing unit to upper tie-in assembly prior to operating crane.



**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.

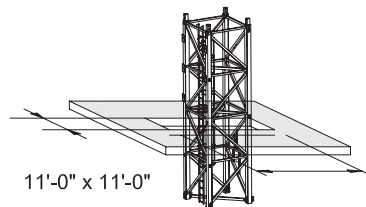
Consult T8030-25 Operation Manual before erecting, operating, servicing or dismantling crane.



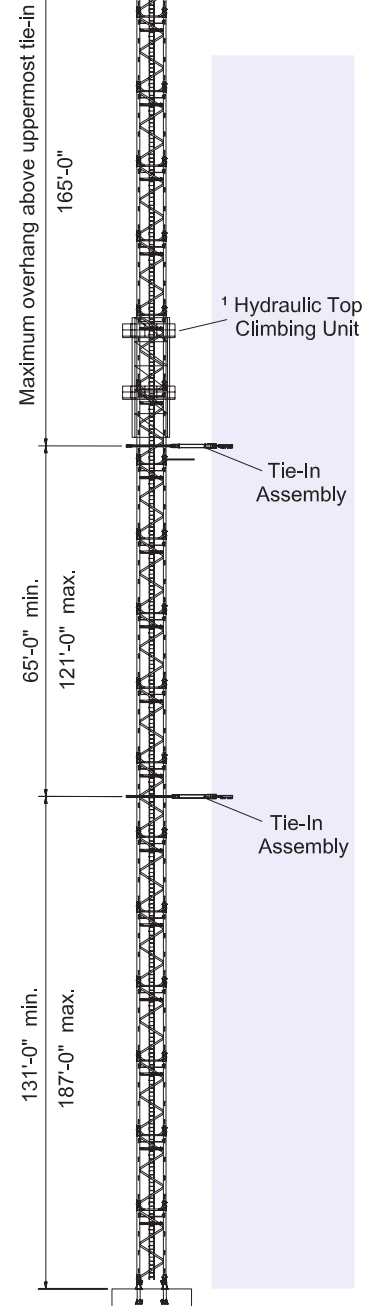
**TYPICAL X23D TOWER SECTION
ONLY (ELEVATIONS)**

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**