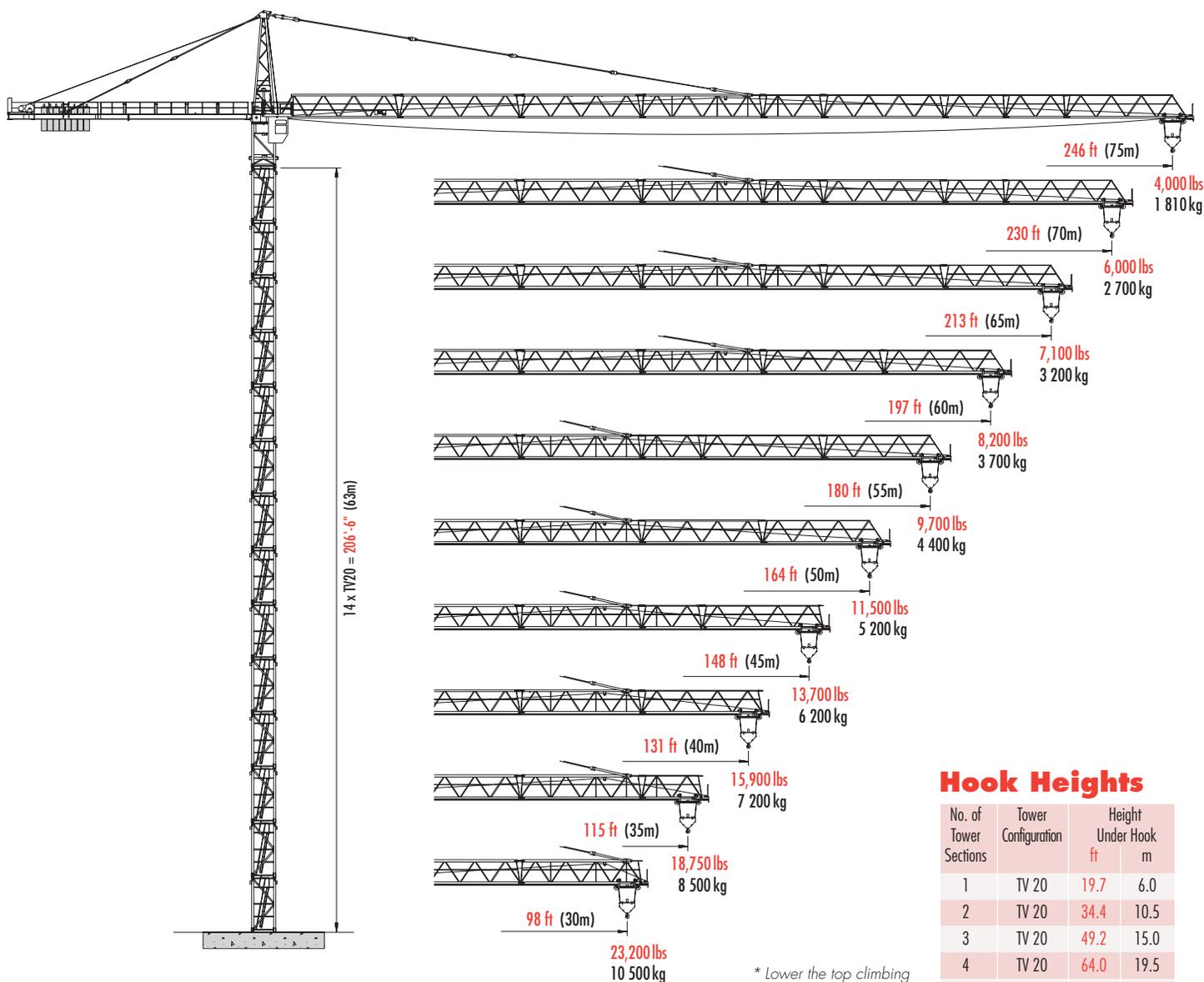




Wolffkran 325 SL

TOWER CRANE



FREESTANDING
(stationary)

Hook Heights

No. of Tower Sections	Tower Configuration	Height Under Hook (ft)	Height Under Hook (m)
1	TV 20	19.7	6.0
2	TV 20	34.4	10.5
3	TV 20	49.2	15.0
4	TV 20	64.0	19.5
5	TV 20	78.7	24.0
6	TV 20	93.5	28.5
7	TV 20	108.3	33.0
8	TV 20	123.0	37.5
9	TV 20	137.8	42.0
10	TV 20	152.6	46.5
11	TV 20	167.3	51.0
12	TV 20	182.0	55.5
13	TV 20	197.0	60.0
14	TV 20* ¹	211.6	64.5

* Lower the top climbing unit to base of crane prior to operating crane at maximum hook height.

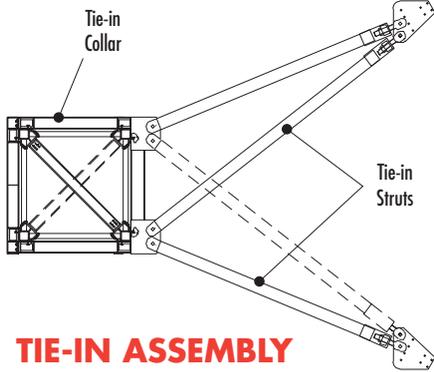
¹ If the WK 325 SL is erected with the 246-ft (75m) jib, the maximum stationary freestanding hook height is 197 ft (60m).

Other tower combinations are possible.

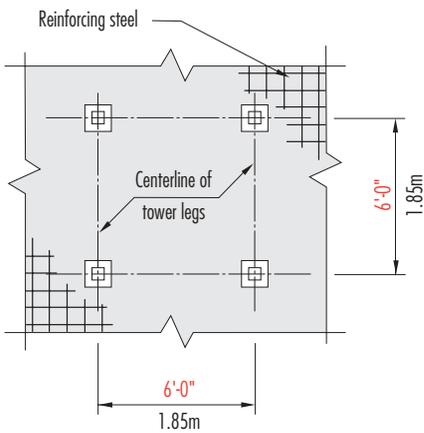
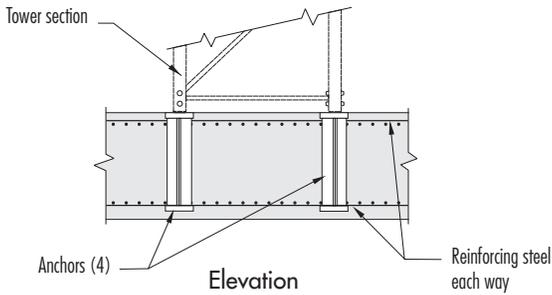


Configurations

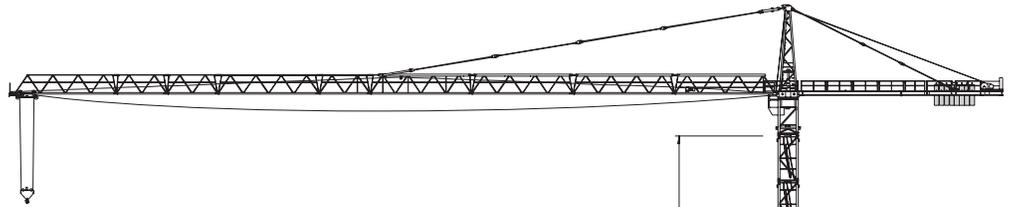
Wolffkran 325 SL



TIE-IN ASSEMBLY
Plan View

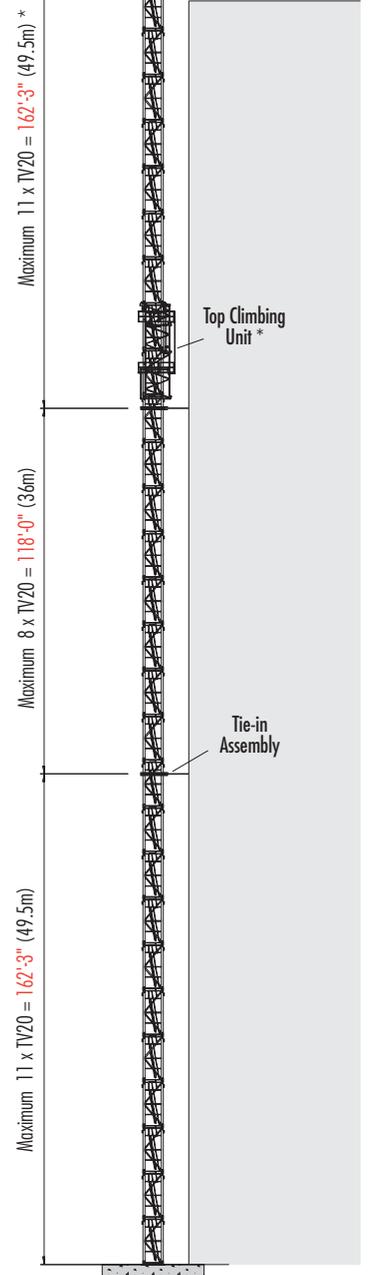


FOUNDATION
(Concrete Slab)



NOTE! If hook height exceeds 330 ft (100.0m), the number of tower sections above uppermost tie-in location **MUST** be reduced by 2 tower sections.

* Lower the top climbing unit to uppermost tie-in location prior to operating crane at maximum hook height.



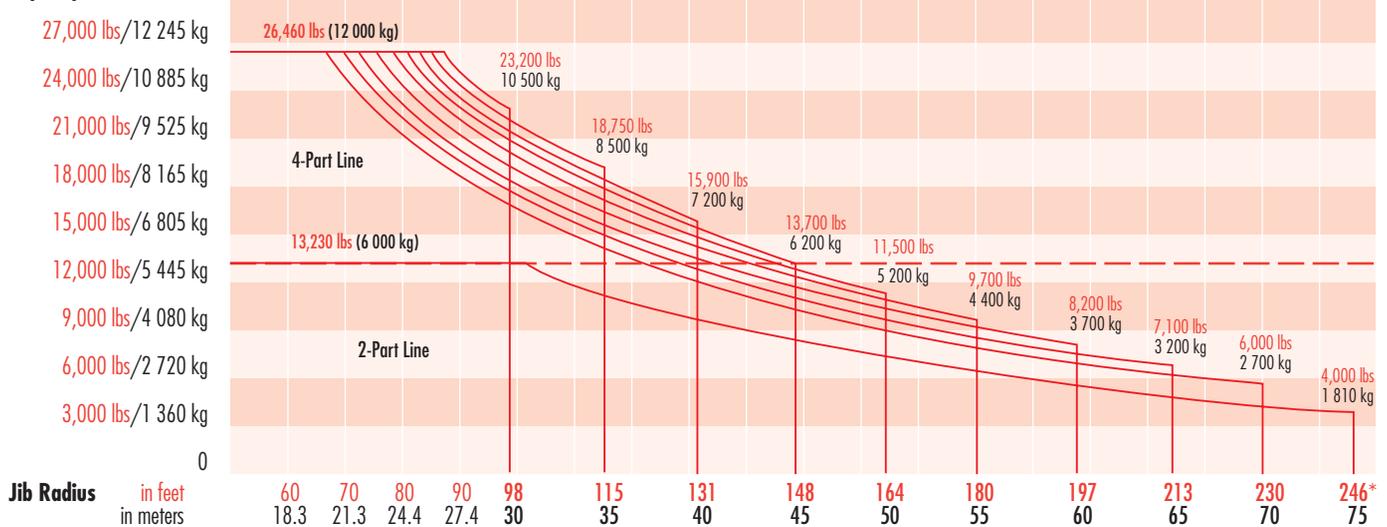
TOP CLIMBING
with TV 20 Tower Sections
(Tied to Structure)

Radius & Capacities

Wolffkran 325 SL

Hook Radius	4-Part Line		2-Part Line		ft	66	98	115	125	131	140	148	155	164	170	180	197	213	230	246*
	Max Capacity – Radius		Max Capacity – Radius		m	20	30	35	38.1	40	42.7	45	47.2	50	51.8	55	60	65	70	75
246 ft* 75m	246-ft hook reach is available only when using 2-part line operation!		13,230 lbs – 101 ft 6 000 kg – 30.8m		lbs	13,230	13,230	11,400	10,495	9,700	9,305	8,400	8,005	7,295	7,100	6,395	5,710	5,095	4,495	4,000
230 ft 70m	26,460 lbs – 67 ft 12 000 kg – 20.4m		13,230 lbs – 124 ft 6 000 kg – 37.8m		lbs	26,460	17,110	14,310	13,095	12,190	11,400	10,605	9,900	9,305	8,795	8,200	7,295	6,590	6,000	
213 ft 65m	26,460 lbs – 70 ft 12 000 kg – 21.3m		13,230 lbs – 129 ft 6 000 kg – 39.4m		lbs	26,460	18,100	15,190	13,690	13,005	11,995	11,310	10,495	9,900	9,500	8,795	7,805	7,100		
197 ft 60m	26,460 lbs – 72 ft 12 000 kg – 21.9m		13,230 lbs – 132 ft 6 000 kg – 40.3m		lbs	26,460	18,695	15,695	14,200	13,405	12,500	11,705	11,000	10,295	9,810	9,105	8,200			
180 ft 55m	26,460 lbs – 76 ft 12 000 kg – 23.2m		13,230 lbs – 141 ft 6 000 kg – 42.9m		lbs	26,460	19,795	16,660	15,190	14,200	13,295	12,390	11,705	10,890	10,405	9,700				
164 ft 50m	26,460 lbs – 79 ft 12 000 kg – 24m		13,230 lbs – 146 ft 6 000 kg – 44.5m		lbs	26,460	20,700	17,395	15,895	14,905	14,000	13,005	12,300	11,500						
148 ft 45m	26,460 lbs – 83 ft 12 000 kg – 25.3m		13,230 lbs – 148 ft 6 000 kg – 45m		lbs	26,460	21,695	18,210	16,490	15,695	14,595	13,700								
131 ft 40m	26,460 lbs – 83 ft 12 000 kg – 25.4m		13,230 lbs – 131 ft 6 000 kg – 40m		lbs	26,460	22,000	18,495	16,660	15,900										
115 ft 35m	26,460 lbs – 84 ft 12 000 kg – 25.6m		13,230 lbs – 115 ft 6 000 kg – 35m		lbs	26,460	22,290	18,750												
98 ft 30m	26,460 lbs – 87 ft 12 000 kg – 26.5m		13,230 lbs – 98 ft 6 000 kg – 30m		lbs	26,460	23,200													

Capacity



* **IMPORTANT!** If the crane is erected with a 246-ft (75m) jib:

- (1) ONLY 2-part line operation can be used,
- (2) the maximum stationary freestanding hook height is 197 ft/60m (i.e., 13 TV20 tower sections),
- (3) the maximum hook height is 182 ft/55.5m if erected on a KRE 260.2 or a UVW 260.3,
- (4) the maximum hook height is 137.8 ft/42m if erected on a UVW 260.2 undercarriage



SPECIFICATIONS

Tower crane model WK 325 SL

Hoist Speed and Capacity

Hoist Unit	Hw 6 86 3	2-Part Line				
		Gear	Capacity	Line Speed	Capacity	Line Speed
115 hp (86.0 kW) AC hoist unit 3-speed gearbox Remote-controlled gear shifting Eddy current brake		1	13,230 lbs	@ 220 fpm	6 000 kg	@ 68 m/min
		2	8,820 lbs	@ 310 fpm	4 000 kg	@ 94 m/min
		3	4,410 lbs	@ 550 fpm	2 000 kg	@ 168 m/min
		4-Part Line				
		1	26,460 lbs	@ 110 fpm	12 000 kg	@ 34 m/min
		2	17,640 lbs	@ 155 fpm	8 000 kg	@ 47 m/min
		3	8,820 lbs	@ 275 fpm	4 000 kg	@ 84 m/min

NOTE! Capacities and line speeds indicated will vary depending on the amount of hoist rope installed. This crane model may be equipped with a hoist unit other than that specified in data above. To verify, check the serial number of the crane and refer to the Wolkran 325 SL Operation Manual for additional information.

Motor Information

Drive Unit	Horsepower	Kilowatts	Speed	
Trolley (Tw 70 FSG)	9.4 hp	7.0 kW	79/156/315 fpm	24/48/96 m/min
Swing (Dw-FSG)	2 x 9.8 hp	2 x 7.3 kW	0.8 rpm	
Rail Travel (UW 260.2)	2 x 8.8 hp	2 x 6.6 kW	98.5 fpm	30 m/min
Rail Travel (UW 260.3)	4 x 6.4 hp	4 x 4.8 kW	98.5 fpm	30 m/min

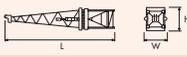
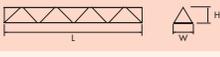
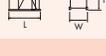
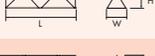
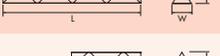
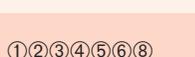
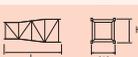
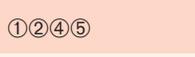
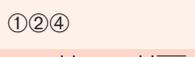
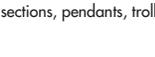
Power Requirements

460 VOLTS — 3-phase — 60-cycle — 200 Amperes service with 115 hp (86 kW) hoist unit



Component List

Wolffkran 325 SL

Description	Dimensions L x W x H	Weight	Description	Dimensions L x W x H	Weight
Turntable & Tower Top without Cab	 42'-6" x 7'-11" x 8'-0" 12.96m x 2.42m x 2.45m	26,675 lbs 12 100 kg	Jib Section ①	 33'-6" x 5'-9" x 7'-7" 10.22m x 1.75m x 2.32m	5,840 lbs 2 650 kg
Tower Top	 27'-11" x 4'-6" x 5'-11" 8.5m x 1.36m x 1.8m	8,375 lbs 3 800 kg	Jib Section ②	 33'-6" x 5'-7" x 7'-1" 10.22m x 1.71m x 2.16m	4,300 lbs 1 950 kg
Turntable with Slewing Motors	 19'-5" x 7'-11" x 8'-0" 5.92m x 2.42m x 2.45m	18,300 lbs 8 300 kg	Jib Section ③	 33'-6" x 5'-7" x 7'-1" 10.22m x 1.71m x 2.16m	4,235 lbs 1 920 kg
Turntable Upper Part ¹	 7'-5" x 7'-11" x 8'-0" 2.26m x 2.42m x 2.45m	9,700 lbs 4 400 kg	Jib Section ④	 33'-8" x 5'-7" x 7'-1" 10.27m x 1.71m x 2.16m	4,320 lbs 1 960 kg
Turntable Lower Part ²	 12'-0" x 7'-11" x 6'-7" 3.66m x 2.42m x 2.0m	8,600 lbs 3 900 kg	Jib Section ⑤	 17'-5" x 5'-6" x 6'-4" 5.31m x 1.69m x 1.94m	2,070 lbs 940 kg
Counterjib Part 1	 33'-4" x 6'-0" x 2'-0" 10.16m x 1.84m x 0.61m	4,895 lbs 2 220 kg	Jib Section ⑥	 33'-10" x 5'-6" x 6'-4" 10.3m x 1.69m x 1.94m	3,640 lbs 1 650 kg
Counterjib - Part 2 w/fixed counterweight	 32'-10" x 6'-9" x 2'-6" 10.0m x 2.05m x 0.76m	10,095 lbs 4 580 kg	Jib Section ⑦	 17'-2" x 5'-6" x 6'-4" 5.27m x 1.69m x 1.94m	1,585 lbs 720 kg
Hoist Unit — Hw 6 86 3 (115 hp/86 kW) ³	 7'-9" x 12'-4" x 5'-5" 2.36m x 3.75m x 1.65m	12,785 lbs 5 800 kg	Jib Section ⑧	 33'-7" x 5'-6" x 6'-4" 10.23m x 1.69m x 1.94m	2,710 lbs 1 230 kg
Operator Cab with Access Platform	 7'-3" x 4'-3" x 7'-3" 2.2m x 1.3m x 2.2m	1,430 lbs 650 kg	Jib Tip with Rope Swivel	 5'-5" x 3'-1" x 1'-5" 1.67m x 0.94m x 0.43m	300 lbs 135 kg
Trolley	 7'-3" x 6'-5" x 3'-1" 2.21m x 1.95m x 0.93m	900 lbs 410 kg	Jib Assembly ⁴ 246-ft (75m)	 ①②③④⑤⑥⑦⑧ 248'-5" x 5'-9" x 7'-7" 75.7m x 1.75m x 2.32m	36,190 lbs 16 415 kg
Hook Block 2/4-part Combination	 4'-2" x 8" x 5'-2" 1.28m x 0.2m x 1.58m	1,500 lbs 680 kg	Jib Assembly ⁴ 230-ft (70m)	 ①②③④⑤⑥⑦⑧ 232'-0" x 5'-9" x 7'-7" 70.7m x 1.75m x 2.32m	34,600 lbs 15 695 kg
Tower Section TV 20	 15'-11" x 6'-8" x 7'-5" 4.84m x 2.03m x 2.24m	6,600 lbs 3 000 kg	Jib Assembly ⁴ 213-ft (65m)	 ①②③④⑤⑥⑧ 215'-7" x 5'-9" x 7'-7" 65.7m x 1.75m x 2.32m	32,950 lbs 14 945 kg
Tower Section TV 25	 15'-11" x 8'-3" x 8'-3" 4.84m x 2.51m x 2.51m	6,920 lbs 3 140 kg	Jib Assembly ⁴ 197-ft (60m)	 ①②③④⑥⑧ 199'-2" x 5'-9" x 7'-7" 60.7m x 1.75m x 2.32m	30,800 lbs 13 970 kg
Transition Section TVUE 20	 15'-11" x 8'-3" x 8'-3" 4.84m x 2.51m x 2.51m	7,935 lbs 3 600 kg	Jib Assembly ⁴ 180-ft (55m)	 ①②④⑤⑥⑧ 182'-8" x 5'-9" x 7'-7" 55.7m x 1.75m x 2.32m	27,500 lbs 12 475 kg
Counterweight Block A	 4'-8" x 1'-6" x 7'-3" 1.42m x 0.45m x 2.2m	6,800 lbs 3 085 kg	Jib Assembly ⁴ 164-ft (50m)	 ①②④⑥⑧ 166'-4" x 5'-9" x 7'-7" 50.7m x 1.75m x 2.32m	25,300 lbs 11 475 kg
Counterweight Fixed Block	 6'-8" x 4'-8" x 1'-5" 2.03m x 1.42m x 0.43m	4,410 lbs 2 000 lbs	Jib Assembly ⁴ 148-ft (45m)	 ①②④⑤⑥ 149'-11" x 5'-9" x 7'-7" 45.7m x 1.75m x 2.32m	24,700 lbs 11 205 kg
Central Ballast Block A (for KRE/UW260.2, UW260.3)	 12'-6" x 1'-8" x 5'-2" 3.8m x 0.5m x 1.57m	11,025 lbs 5 000 kg	Jib Assembly ⁴ 131-ft (40m)	 ①②④⑥ 133'-6" x 5'-9" x 7'-7" 40.7m x 1.75m x 2.32m	22,600 lbs 10 250 kg
Central Ballast Block B (for KRE/UW260.2, UW260.3)	 12'-6" x 10" x 5'-2" 3.8m x 0.25m x 1.57m	5,512 lbs 2 500 kg	Jib Assembly ⁴ 115-ft (35m)	 ①②④⑤ 117'-1" x 5'-9" x 7'-7" 35.7m x 1.75m x 2.32m	21,000 lbs 9 525 kg
Top Climbing Unit KWH 20.3	 34'-7" x 8'-4" x 9'-0" 10.54m x 2.53m x 2.75m	17,635 lbs 8 000 kg	Jib Assembly ⁴ 98-ft (30m)	 ①②④ 100'-8" x 5'-9" x 7'-7" 30.7m x 1.75m x 2.32m	18,800 lbs 8 530 kg
Top Climbing Unit KWH 20.S	 34'-7" x 8'-4" x 9'-0" 10.54m x 2.53m x 2.75m	23,485 lbs 10 650 kg	Crossframe KRE 260.2	 19'-8" x 19'-8" x 14'-2" 6.0m x 6.0m x 4.32m	24,000 lbs 10 885 kg

¹ Includes race bearing, gearboxes and motors.

² Does not include race bearing.

³ Does not include wire rope.

⁴ Jib assemblies include jib sections, pendants, trolley and trolley rope.

NOTE: Weights and dimensions are approximate. Scale components before lifting.



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