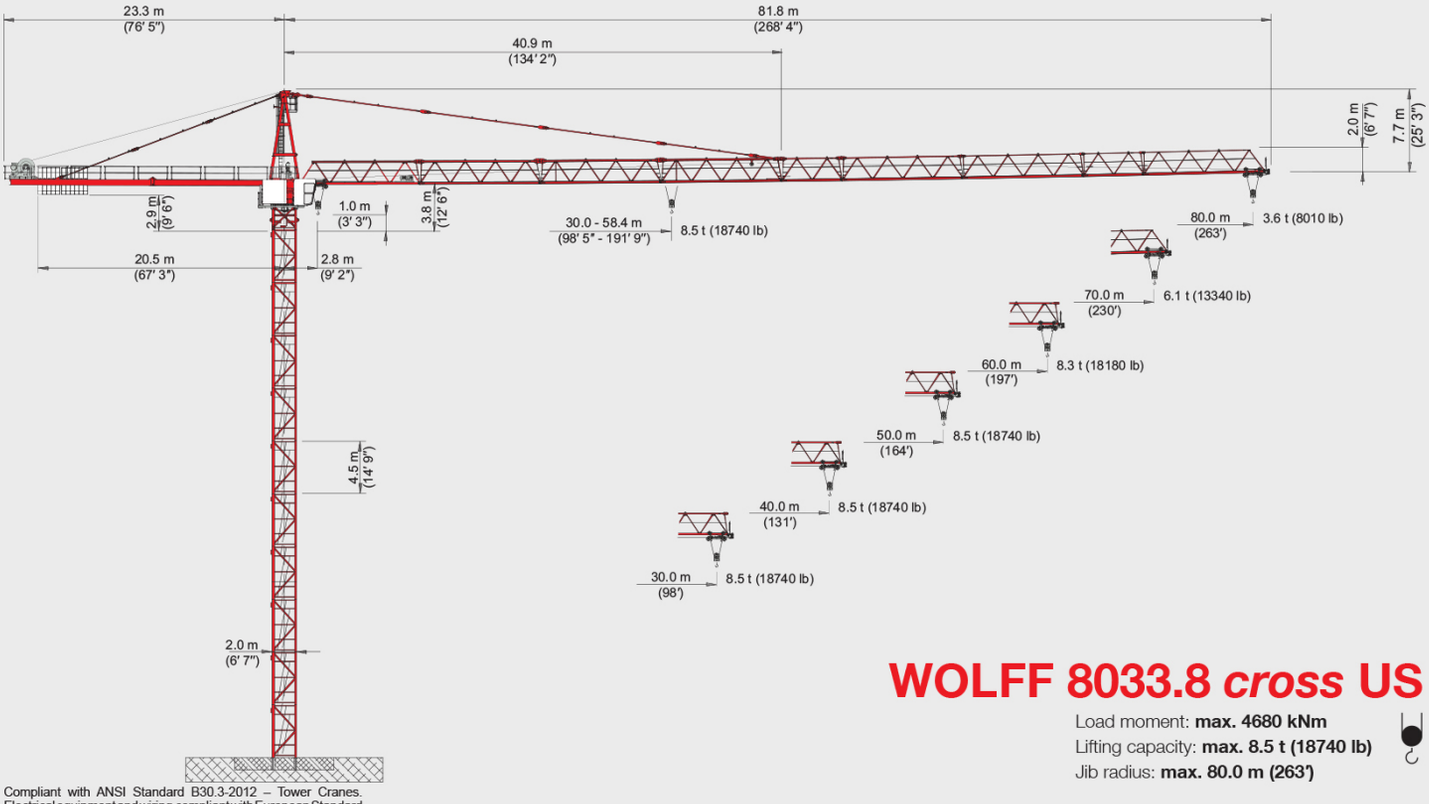
WOLFFKRAN



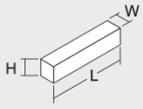
WOLFF 8033.8 *cross* US

Load moment: **max. 4680 kNm**
Lifting capacity: **max. 8.5 t (18740 lb)**
Jib radius: **max. 80.0 m (263')**

Compliant with ANSI Standard B30.3-2012 – Tower Cranes. Electrical equipment and wiring compliant with European Standard EN 60204-1 and relevant modifications based on the US Standard NFPA-70. All loads indicated with activated WOLFFBoost.

WOLFF 8033.8 *cross* US · Colli List

Pos.	Pcs.	Description	Colli	Length [m] (ft)	Width [m] (ft)	Height [m] (ft)	Weight [kg] (lb)	Volume [m³] (ft³)
				TV 20 Tower connection				
1	1	Tower top complete		11.55 (37' 11")	2.30 (7' 7")	2.50 (8' 2")	15000 (33069)	66.41 (2345.25)
				HT 23 Tower connection				
				11.75 (38' 7")	2.32 (7' 7")	2.80 (9' 2")	16300 (35935)	76.34 (2695.92)
		Tower top upper part Item 1 disassembled		7.39 (24' 3")	2.49 (8' 2")	1.66 (5' 5")	2925 (6448)	30.55 (1078.86)
				TV 20 Tower connection				
		Tower top lower part Item 1 disassembled		5.60 (18' 4")	2.30 (7' 7")	2.50 (8' 2")	12075 (26621)	32.20 (1137.13)
				HT 23 Tower connection				
				5.80 (19' 0")	2.32 (7' 7")	2.80 (9' 2")	13370 (29476)	37.68 (1330.66)
2	1	Driver's cabin with suspension		4.82 (15' 10")	2.19 (7' 2")	2.55 (8' 4")	3030 (6680)	26.92 (950.67)
3	1	Counterjib folded		11.98 (39' 4")	2.30 (7' 7")	1.31 (4' 4")	7140 (15741)	36.10 (1274.86)
4	1	Hw 875 FU Machinery platform		2.17 (7' 1")	1.88 (6' 2")	1.18 (3' 10")	2250 (4960)	4.82 (170.22)
5	1	Jib element **1**		10.19 (33' 5")	1.64 (5' 5")	2.29 (7' 6")	3400 (7496)	38.54 (1361.03)
6	1	Jib element **2**		10.19 (33' 5")	1.64 (5' 5")	2.08 (6' 10")	2460 (5423)	34.76 (1227.54)
7	1	Jib element **3**		10.23 (33' 7")	1.64 (5' 5")	2.08 (6' 10")	2320 (5115)	34.90 (1232.48)
8	1	Jib element **4**		10.30 (33' 10")	1.64 (5' 5")	2.07 (6' 9")	2300 (5071)	34.97 (1234.96)
9	1	Jib element **5**		5.33 (17' 6")	1.64 (5' 5")	2.03 (6' 8")	1135 (2502)	17.74 (626.48)
10	1	Jib element **6**		2.83 (9' 3")	1.64 (5' 5")	2.03 (6' 8")	695 (1532)	9.42 (332.66)
11	1	Jib element **7**		10.28 (33' 9")	1.64 (5' 5")	2.03 (6' 8")	1815 (4001)	34.22 (1208.47)
12	1	Jib element **8**		10.22 (33' 6")	1.64 (5' 5")	2.02 (6' 8")	1290 (2844)	33.86 (1195.76)
13	1	Jib element **9**		5.20 (17' 1")	1.64 (5' 5")	2.01 (6' 7")	660 (1455)	17.14 (605.29)
14	1	Jib element **10**		10.19 (33' 5")	1.64 (5' 5")	2.01 (6' 7")	1040 (2293)	33.59 (1186.22)
15	1	Rope swivel traverse		1.38 (4' 6")	1.54 (5' 1")	0.50 (1' 8")	245 (540)	1.06 (37.43)
16	1	Trolley LK 8		1.87 (6' 2")	1.85 (6' 1")	1.00 (3' 3")	330 (728)	3.46 (122.19)
17	1	Unterflasche U 8		1.02 (3' 4")	0.26 (0' 10")	1.70 (5' 7")	505 (1113)	0.45 (15.89)
18	1	Service cage		0.75 (2' 6")	0.55 (1' 10")	1.69 (5' 7")	55 (121)	0.70 (24.72)



Dimensions colli list

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61000398 · 01/2017

WOLFF 8033.8 *cross* US

Main Components
30 m (98') basic jib with trolley gear. Extensions up to 80 m (263') radius in 2.5 m (8') steps. Slewing frame with driver's cabin, control cabinet, two slewing gears, ball race bearing with central lubrication unit and slipring system. Counterjib with hoisting platform and counterweights.

Drive Technique
All drives frequency controlled squirrel cage motors, fully thermal protected. Hoisting winch Hw 875 FU. Two slewing gears with electrically operated weathervaning device. Automatic windforce compensation controls. Trolley gear.

Electrical Equipment
Multivoltage equipment for supplies of 480 V Y / 277 V 60 Hz. Electronic safety crane controls with bus technology. Incremental absolute encoders for all operating movements. Electronic load measuring device at basic jib section. Multilingual graphic display showing information to operator, both operational and diagnostics.

Safety Devices
Crane is complete with electronic overload protection system. Increased load moment limitation due to automatic hoist speed reduction. Menu guided setting of overload protection system and of all limiters from operators cabin. Working space limiter, anti-collision interface. Trolley rope breakage safety device.

In series with
Teleservice module and wind indicator.

Tower Elements, Climbing Device
Tower configuration of WOLFF system tower elements. WOLFF slug bolt connection. Detachable hydraulic WOLFF system climbing devices KWH 20.6 and KWH 23. WOLFF system inner climbing devices KSH 20 and KSH (E) 23.

Cross Frame KR, Mobile Cross Frame KRF
WOLFF cross frames KR can be used with gauge from 6.0 m up to 10.0 m (20' - 33'). WOLFF cross frames can be modified to KRF.

Power Requirements and hook paths (Slewing part)
97 kVA (Hw 875 FU). Hook path – see table of mechanisms.

Mechanisms · WOLFF 8033.8 *cross* US · (Hw 875 FU)

Motor [kW] (hp)	75 (100)	9.0 (12)	2 x 7.5 (2 x 10)	4 x 5.5 (4 x 7.4)
Speed	0 - 1.6 t (0 - 3527 lb) 0 ... 185 m/min (0 ... 607 ft/min) stepless 0 - 8.5 t (0 - 18740 lb) (0 ... 44 m/min) (0 ... 144 ft/min)	0 - 3.0 t (0 - 6614 lb) 0 ... 100 m/min (0 ... 328 ft/min) stepless 0 - 8.5 t (0 - 18740 lb) (0 ... 65 m/min) (0 ... 213 ft/min)	0.80 min^{-1}	30.0 m/min (98 ft/min)
Hook path [m] (ft)	460 (1509')			

Load Data [t] (lb) · WOLFF 8033.8 *cross* US · BOOST

Jib length [m] (ft)		8.5 t (18740 lb)		30.0 (98' 5")	35.0 (114' 10")	40.0 (131' 3")	45.0 (147' 8")	50.0 (164' 1")	55.0 (180' 5")	60.0 (196' 10")	65.0 (213' 3")	70.0 (229' 8")	75.0 (246' 1")	80.0 (262' 6")
80.0 (263')	2.8 - 39.4 (9' 2" - 129' 2")		[t]	8.5	8.5	8.4	7.3	6.5	5.8	5.2	4.7	4.3	4.0	**3.6**
			[lb]	(18740)	(18740)	(18400)	(16090)	(14250)	(12730)	(11470)	(10410)	(9490)	(8700)	**(8010)**
77.5 (254')	2.8 - 43.5 (9' 2" - 142' 8")		[t]	8.5	8.5	8.5	8.2	7.3	6.5	5.9	5.3	4.9	4.5	
			[lb]	(18740)	(18740)	(18740)	(18020)	(15980)	(14310)	(12910)	(11740)	(10730)	(9860)	
75.0 (246')	2.8 - 47.2 (9' 2" - 155' 0")		[t]	8.5	8.5	8.5	8.5	8.0	7.2	6.5	5.9	5.4	**5.0**	
			[lb]	(18740)	(18740)	(18740)	(18740)	(17570)	(15750)	(14250)	(12960)	(11870)	**(10910)**	
72.5 (238')	2.8 - 49.8 (9' 2" - 163' 5")		[t]	8.5	8.5	8.5	8.5	8.5	7.6	6.9	6.3	5.7		
			[lb]	(18740)	(18740)	(18740)	(18740)	(18670)	(16740)	(15150)	(13810)	(12640)		
70.0 (230')	2.8 - 52.1 (9' 2" - 171' 0")		[t]	8.5	8.5	8.5	8.5	8.5	8.0	7.2	6.6	**6.1**		
			[lb]	(18740)	(18740)	(18740)	(18740)	(18740)	(17630)	(15960)	(14550)	**(13340)**		
67.5 (221')	2.8 - 54.1 (9' 2" - 177' 7")		[t]	8.5	8.5	8.5	8.5	8.5	8.4	7.6	6.9			
			[lb]	(18740)	(18740)	(18740)	(18740)	(18740)	(18400)	(16670)	(15200)			
65.0 (213')	2.8 - 55.8 (9' 2" - 183' 3")		[t]	8.5	8.5	8.5	8.5	8.5	8.5	7.8	**7.2**			
			[lb]	(18740)	(18740)	(18740)	(18740)	(18740)	(18740)	(17280)	**(15760)**			
62.5 (205')	2.8 - 57.3 (9' 2" - 187' 11")		[t]	8.5	8.5	8.5	8.5	8.5	8.5	8.1				
			[lb]	(18740)	(18740)	(18740)	(18740)	(18740)	(18740)	(17790)				
60.0 (197')	2.8 - 58.4 (9' 2" - 191' 9")		[t]	8.5	8.5	8.5	8.5	8.5	8.5	**8.3**				
			[lb]	(18740)	(18740)	(18740)	(18740)	(18740)	(18740)	**(18180)**				
57.5 (189')	2.8 - 57.5 (9' 2" - 188' 8")		[t]	8.5	8.5	8.5	8.5	8.5	8.5					
			[lb]	(18740)	(18740)	(18740)	(18740)	(18740)	(18740)					
55.0 (180')	2.8 - 55.0 (9' 2" - 180' 5")		[t]	8.5	8.5	8.5	8.5	8.5	**8.5**					
			[lb]	(18740)	(18740)	(18740)	(18740)	(18740)	**(18740)**					
52.5 (172')	2.8 - 52.5 (9' 2" - 172' 3")		[t]	8.5	8.5	8.5	8.5	8.5						
			[lb]	(18740)	(18740)	(18740)	(18740)	(18740)						
50.0 (164')	2.8 - 50.0 (9' 2" - 164' 1")		[t]	8.5	8.5	8.5	8.5	**8.5**						
			[lb]	(18740)	(18740)	(18740)	(18740)	**(18740)**						
47.5 (156')	2.8 - 47.5 (9' 2" - 155' 10")		[t]	8.5	8.5	8.5	8.5							
			[lb]	(18740)	(18740)	(18740)	(18740)							
45.0 (148')	2.8 - 45.0 (9' 2" - 147' 8")		[t]	8.5	8.5	8.5	**8.5**							
			[lb]	(18740)	(18740)	(18740)	**(18740)**							
42.5 (139')	2.8 - 42.5 (9' 2" - 139' 5")		[t]	8.5	8.5	8.5								
			[lb]	(18740)	(18740)	(18740)								
40.0 (131')	2.8 - 40.0 (9' 2" - 131' 3")		[t]	8.5	8.5	**8.5**								
			[lb]	(18740)	(18740)	**(18740)**								
37.5 (123')	2.8 - 37.5 (9' 2" - 123' 0")		[t]	8.5	8.5									
			[lb]	(18740)	(18740)									
35.0 (115')	2.8 - 35.0 (9' 2" - 114' 10")		[t]	8.5	**8.5**									
			[lb]	(18740)	**(18740)**									
32.5 (107')	2.8 - 32.5 (9' 2" - 106' 8")		[t]	8.5										
			[lb]	(18740)										
30.0 (98')	2.8 - 30.0 (9' 2" - 98' 5")		[t]	**8.5**										
			[lb]	**(18740)**										

Load capacity [t] (lb)

WOLFF-Boost

With the WOLFF-Boost function, the load is allowed to exceed the load torque range specified for the lifting capacities by up to 10%. This is, however, subject to the restriction that hoisting gear and trolley gear must only be moved alternatingly.

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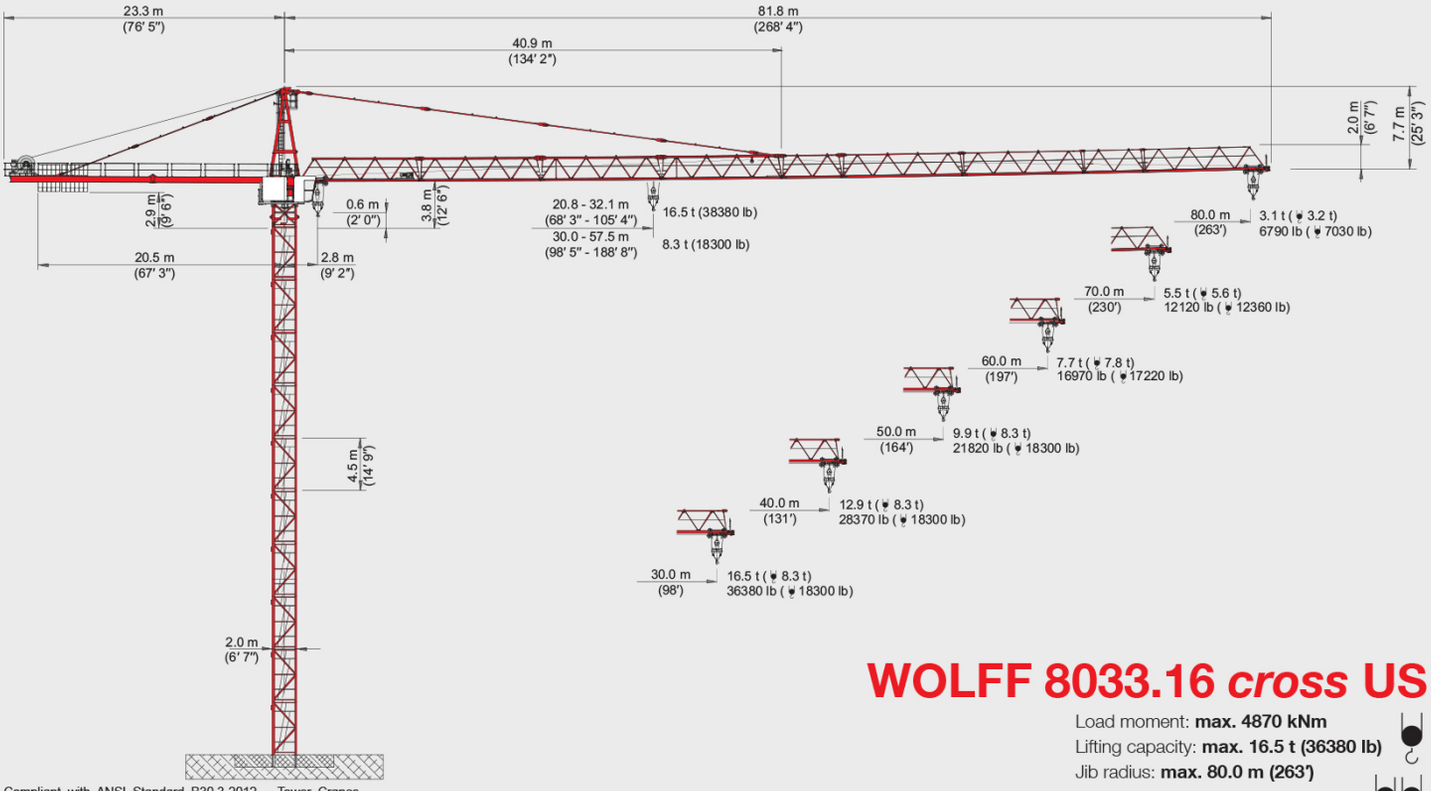


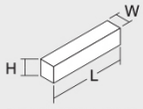
Compliant with ANSI Standard B30.3-2012 – Tower Cranes. Electrical equipment and wiring compliant with European Standard EN 60204-1 and relevant modifications based on the US Standard NFPA-70. All loads indicated with activated WOLFFBoost.

WOLFF 8033.16 *cross* US

Load moment: **max. 4870 kNm**
Lifting capacity: **max. 16.5 t (36380 lb)**
Jib radius: **max. 80.0 m (263')**

WOLFF 8033.16 *cross* US · Colli List

Pos.	Pcs.	Description	Colli	Length [m] (ft)	Width [m] (ft)	Height [m] (ft)	Weight [kg] (lb)	Volume [m³] (ft³)
				TV 20 Tower connection				
1	1	Tower top complete		11.55 (37' 11")	2.30 (7' 7")	2.50 (8' 2")	15000 (33069)	66.41 (2345.25)
				HT 23 Tower connection				
				11.75 (38' 7")	2.32 (7' 7")	2.80 (9' 2")	16300 (35935)	76.34 (2695.92)
		Tower top upper part Item 1 disassembled		7.39 (24' 3")	2.49 (8' 2")	1.66 (5' 5")	2925 (6448)	30.55 (1078.86)
				TV 20 Tower connection				
		Tower top lower part Item 1 disassembled		5.60 (18' 4")	2.30 (7' 7")	2.50 (8' 2")	12075 (26621)	32.20 (1137.13)
				HT 23 Tower connection				
				5.80 (19' 0")	2.32 (7' 7")	2.80 (9' 2")	13370 (29476)	37.68 (1330.66)
2	1	Driver's cabin with suspension		4.82 (15' 10")	2.19 (7' 2")	2.55 (8' 4")	3030 (6680)	26.92 (950.67)
3	1	Counterjib folded		11.98 (39' 4")	2.30 (7' 7")	1.31 (4' 4")	7140 (15741)	36.10 (1274.86)
4	1	Hw 875 FU Machinery platform		2.17 (7' 1")	1.88 (6' 2")	1.18 (3' 10")	2250 (4960)	4.82 (170.22)
5	1	Jib element **1**		10.19 (33' 5")	1.64 (5' 5")	2.29 (7' 6")	3400 (7496)	38.54 (1361.03)
6	1	Jib element **2**		10.19 (33' 5")	1.64 (5' 5")	2.08 (6' 10")	2460 (5423)	34.76 (1227.54)
7	1	Jib element **3**		10.23 (33' 7")	1.64 (5' 5")	2.08 (6' 10")	2320 (5115)	34.90 (1232.48)
8	1	Jib element **4**		10.30 (33' 10")	1.64 (5' 5")	2.07 (6' 9")	2300 (5071)	34.97 (1234.96)
9	1	Jib element **5**		5.33 (17' 6")	1.64 (5' 5")	2.03 (6' 8")	1135 (2502)	17.74 (626.48)
10	1	Jib element **6**		2.83 (9' 3")	1.64 (5' 5")	2.03 (6' 8")	695 (1532)	9.42 (332.66)
11	1	Jib element **7**		10.28 (33' 9")	1.64 (5' 5")	2.03 (6' 8")	1815 (4001)	34.22 (1208.47)
12	1	Jib element **8**		10.22 (33' 6")	1.64 (5' 5")	2.02 (6' 8")	1290 (2844)	33.86 (1195.76)
13	1	Jib element **9**		5.20 (17' 1")	1.64 (5' 5")	2.01 (6' 7")	660 (1455)	17.14 (605.29)
14	1	Jib element **10**		10.19 (33' 5")	1.64 (5' 5")	2.01 (6' 7")	1040 (2293)	33.59 (1186.22)
15	1	Rope swivel traverse		1.38 (4' 6")	1.54 (5' 1")	0.50 (1' 8")	245 (540)	1.06 (37.43)
16	1	Trolley LK 8/16		1.87 (6' 2")	1.85 (6' 1")	1.00 (3' 3")	455 (1003)	3.46 (122.19)
17	1	Unterflasche U 8/16		1.02 (3' 4")	0.26 (0' 10")	1.70 (5' 7")	780 (1720)	0.45 (15.89)
18	1	Service cage		0.75 (2' 6")	0.55 (1' 10")	1.69 (5' 7")	55 (121)	0.70 (24.72)



Dimensions colli list

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61000401 · 01/2017

WOLFF 8033.16 *cross* US

Main Components
30 m (98') basic jib with trolley gear. Extensions up to 80 m (263') radius in 2.5 m (8') steps. Slewing frame with driver's cabin, control cabinet, two slewing gears, ball race bearing with central lubrication unit and slipring system. Counterjib with hoisting platform and counterweights.

Drive Technique
All drives frequency controlled squirrel cage motors, fully thermal protected. Hoisting winch Hw 875 FU. Two slewing gears with electrically operated weathervaning device. Automatic windforce compensation controls. Trolley gear.

Electrical Equipment
Multivoltage equipment for supplies of 480 V Y / 277 V 60 Hz. Electronic safety crane controls with bus technology. Incremental absolute encoders for all operating movements. Electronic load measuring device at basic jib section. Multilingual graphic display showing information to operator, both operational and diagnostics.

Safety Devices
Crane is complete with electronic overload protection system. Increased load moment limitation due to automatic hoist speed reduction. Menu guided setting of overload protection system and of all limiters from operators cabin. Working space limiter, anti-collision interface. Trolley rope breakage safety device.

In series with
Teleservice module and wind indicator.

Tower Elements, Climbing Device
Tower configuration of WOLFF system tower elements. WOLFF slug bolt connection. Detachable hydraulic WOLFF system climbing devices KWH 20.6 and KWH 23. WOLFF system inner climbing devices KSH 20 and KSH (E) 23.

Cross Frame KR, Mobile Cross Frame KRF
WOLFF cross frames KR can be used with gauge from 6.0 m up to 10.0 m (20' - 33'). WOLFF cross frames can be modified to KRF.

Power Requirements and hook paths (Slewing part)
97 kVA (Hw 875 FU). Hook path – see table of mechanisms.

Mechanisms · WOLFF 8033.16 *cross* US · (Hw 875 FU)

Motor [kW] (hp)	75 (100)	75 (100)	9.0 (12)	2 x 7.5 (2 x 10)	4 x 5.5 (4 x 7.4)
Speed	0 - 1.3 t (0 - 2866 lb) 0 ... 185 m/min (0 ... 607 ft/min) stepless 0 - 8.3 t (0 - 18300 lb) (0 ... 44 m/min) (0 ... 144 ft/min)	0 - 3.4 t (0 - 7500 lb) 0 ... 94 m/min (0 ... 308 ft/min) stepless 0 - 16.5 t (0 - 36380 lb) (0 ... 23 m/min) (0 ... 76 ft/min)	0 - 3.0 t (0 - 6614 lb) 0 ... 100 m/min (0 ... 328 ft/min) stepless 0 - 8.3 t (0 - 18300 lb) (0 ... 65 m/min) (0 ... 213 ft/min) 0 - 16.5 t (0 - 36380 lb) (0 ... 32 m/min) (0 ... 105 ft/min)	0.80 min^{-1}	30.0 m/min (98 ft/min)
Hook path [m] (ft)	460 (1509)	230 (755)			

Load Data [t] (lb) · WOLFF 8033.16 *cross* US · BOOST

Jib radius [m] (ft)

Jib length [m] (ft)		8.3 t (18300 lb)		30.0 (98' 5")	35.0 (114' 10")	40.0 (131' 3")	45.0 (147' 8")	50.0 (164' 1")	55.0 (180' 6")	60.0 (196' 10")	65.0 (213' 3")	70.0 (229' 8")	75.0 (246' 1")	80.0 (262' 6")
80.0 (263')	2.8 - 38.4 (9' 2" - 126' 0")		[t]	8.3	8.3	7.9	6.9	6.0	5.3	4.8	4.3	3.9	3.5	**3.2**
			[lb]	(18300)	(18300)	(17440)	(15130)	(13280)	(11760)	(10510)	(9440)	(8510)	(7720)	**(7030)**
77.5 (254')	2.8 - 42.4 (9' 2" - 139' 2")		[t]	8.3	8.3	7.7	6.8	6.1	5.4	4.9	4.4	4.0		
			[lb]	(18300)	(18300)	(17050)	(15020)	(13340)	(11950)	(10770)	(9760)	(8990)		
75.0 (246')	2.8 - 46.1 (9' 2" - 151' 2")		[t]	8.3	8.3	8.3	7.5	6.7	6.0	5.4	4.9	**4.5**		
			[lb]	(18300)	(18300)	(18300)	(16600)	(14790)	(13270)	(11990)	(10890)	**(9940)**		
72.5 (238')	2.8 - 48.6 (9' 2" - 159' 5")		[t]	8.3	8.3	8.3	8.3	6.9	6.4	5.8	5.3			
			[lb]	(18300)	(18300)	(18300)	(18300)	(17090)	(14180)	(12830)	(11670)			
70.0 (230')	2.8 - 50.8 (9' 2" - 166' 10")		[t]	8.3	8.3	8.3	8.3	8.3	7.2	6.8	6.2	**5.6**		
			[lb]	(18300)	(18300)	(18300)	(18300)	(18300)	(15770)	(14990)	(13570)	**(12360)**		
67.5 (221')	2.8 - 52.8 (9' 2" - 173' 3")		[t]	8.3	8.3	8.3	8.3	8.3	7.9	7.1	6.5			
			[lb]	(18300)	(18300)	(18300)	(18300)	(18300)	(17440)	(15700)	(14230)			
65.0 (213')	2.8 - 54.5 (9' 2" - 178' 9")		[t]	8.3	8.3	8.3	8.3	8.3	8.2	7.4	**6.7**			
			[lb]	(18300)	(18300)	(18300)	(18300)	(18300)	(18100)	(16300)	**(14890)**			
62.5 (205')	2.8 - 55.9 (9' 2" - 183' 4")		[t]	8.3	8.3	8.3	8.3	8.3	8.3	7.6				
			[lb]	(18300)	(18300)	(18300)	(18300)	(18300)	(18300)	(16810)				
60.0 (197')	2.8 - 57.0 (9' 2" - 187' 0")		[t]	8.3	8.3	8.3	8.3	8.3	8.3	**7.8**				
			[lb]	(18300)	(18300)	(18300)	(18300)	(18300)	(18300)	**(17220)**				
57.5 (189')	2.8 - 57.5 (9' 2" - 188' 8")		[t]	8.3	8.3	8.3	8.3	8.3	8.3					
			[lb]	(18300)	(18300)	(18300)	(18300)	(18300)	(18300)					
55.0 (180')	2.8 - 55.0 (9' 2" - 180' 5")		[t]	8.3	8.3	8.3	8.3	8.3	**8.3**					
			[lb]	(18300)	(18300)	(18300)	(18300)	(18300)	**(18300)**					
52.5 (172')	2.8 - 52.5 (9' 2" - 172' 3")		[t]	8.3	8.3	8.3	8.3	8.3						
			[lb]	(18300)	(18300)	(18300)	(18300)	**(18300)**						
50.0 (164')	2.8 - 50.0 (9' 2" - 164' 1")		[t]	8.3	8.3	8.3	8.3							
			[lb]	(18300)	(18300)	(18300)	(18300)							
47.5 (156')	2.8 - 47.5 (9' 2" - 155' 10")		[t]	8.3	8.3	8.3	8.3							
			[lb]	(18300)	(18300)	(18300)	**(18300)**							
45.0 (148')	2.8 - 45.0 (9' 2" - 147' 8")		[t]	8.3	8.3	8.3								
			[lb]	(18300)	(18300)	(18300)								
42.5 (139')	2.8 - 42.5 (9' 2" - 139' 5")		[t]	8.3	8.3	8.3								
			[lb]	(18300)	(18300)	(18300)								
40.0 (131')	2.8 - 40.0 (9' 2" - 131' 3")		[t]	8.3	8.3	**8.3**								
			[lb]	(18300)	(18300)	**(18300)**								
37.5 (123')	2.8 - 37.5 (9' 2" - 123' 0")		[t]	8.3	8.3									
			[lb]	(18300)	(18300)									
35.0 (115')	2.8 - 35.0 (9' 2" - 114' 10")		[t]	8.3	**8.3**									
			[lb]	(18300)	**(18300)**									
32.5 (107')	2.8 - 32.5 (9' 2" - 106' 8")		[t]	8.3										
			[lb]	(18300)										
30.0 (98')	2.8 - 30.0 (9' 2" - 98' 5")		[t]	**8.3**										
			[lb]	**(18300)**										

Load capacity [t] (lb)

Jib radius [m] (ft)

Jib length [m] (ft)		16.5 t (36380 lb)		30.0 (98' 5")	35.0 (114' 10")	40.0 (131' 3")	45.0 (147' 8")	50.0 (164' 1")	55.0 (180' 6")	60.0 (196' 10")	65.0 (213' 3")	70.0 (229' 8")	75.0 (246' 1")	80.0 (262' 6")
80.0 (263')	2.8 - 20.8 (9' 2" - 68' 3")		[t]	11.0	9.2	7.8	6.8	5.9	5.2	4.7	4.2	3.8	3.4	**3.1**
			[lb]	(24130)	(20160)	(17190)	(14880)	(13040)	(11520)	(10260)	(9200)	(8270)	(7480)	**(6790)**
77.5 (254')	2.8 - 23.0 (9' 2" - 75' 5")		[t]	12.3	10.3	8.8	7.6	6.7	5.9	5.3	4.8	4.3	3.9	
			[lb]	(27020)	(22650)	(19360)	(16810)	(14760)	(13100)	(11700)	(10530)	(9520)	(8640)	
75.0 (246')	2.8 - 25.0 (9' 2" - 81' 11")		[t]	13.5	11.3	9.7	8.4	7.4	6.6	5.9	5.3	4.8	**4.4**	
			[lb]	(29670)	(24920)	(21350)	(18580)	(16360)	(14540)	(13020)	(11750)	(10650)	**(9700)**	
72.5 (238')	2.8 - 26.3 (9' 2" - 86' 5")		[t]	14.3	12.0	10.3	9.0	7.9	7.1	6.3	5.7	5.2		
			[lb]	(31490)	(26480)	(22720)	(19790)	(17450)	(15530)	(13940)	(12580)	(11430)		
70.0 (230')	2.8 - 27.6 (9' 2" - 90' 5")		[t]	15.0	12.6	10.9	9.5	8.4	7.5	6.7	6.1	**5.5**		
			[lb]	(33110)	(27860)	(23930)	(20870)	(18430)	(16420)	(14750)	(13330)	**(12120)**		
67.5 (221')	2.8 - 28.6 (9' 2" - 93' 10")		[t]	15.7	13.2	11.3	9.9	8.8	7.8	7.0	6.4			
			[lb]	(34530)	(29070)	(24990)	(21810)	(19270)	(17190)	(15460)	(13990)			
65.0 (213')	2.8 - 29.5 (9' 2" - 96' 10")		[t]	16.2	13.7	11.8	10.3	9.1	8.1	7.3	**6.6**			
			[lb]	(35740)	(30120)	(25910)	(22630)	(20000)	(17850)	(16060)	**(14550)**			
62.5 (205')	2.8 - 30.3 (9' 2" - 99' 4")		[t]	16.5	14.1	12.1	10.6	9.4	8.4	7.5				
			[lb]	(36380)	(30990)	(26660)	(23300)	(20600)	(18400)	(16570)				
60.0 (197')	2.8 - 30.9 (9' 2" - 101' 4")		[t]	16.5	14.4	12.4	10.8	9.6	8.6	**7.7**				
			[lb]	(36380)	(31680)	(27270)	(23840)	(21100)	(18940)	**(16970)**				
57.5 (189')	2.8 - 31.3 (9' 2" - 102' 10")		[t]	16.5	14.6	12.6	11.0	9.7	8.7					
			[lb]	(36380)	(32210)	(27730)	(24240)	(21460)	(19180)					
55.0 (180')	2.8 - 31.7 (9' 2" - 103' 10")		[t]	16.5	14.8	12.7	11.1	9.9	**8.8**					
			[lb]	(36380)	(32550)	(28030)	(24520)	(21700)	**(19400)**					
52.5 (172')	2.8 - 31.8 (9' 2" - 104' 4")		[t]	16.5	14.9	12.8	11.2	9.9						
			[lb]	(36380)	(32730)	(28180)	(24650)	(21820)						
50.0 (164')	2.8 - 31.8 (9' 2" - 104' 4")		[t]	16.5	14.9	12.8	11.2	**9.9**						
			[lb]	(36380)	(32730)	(28180)	(24650)	**(21820)**						
47.5 (156')	2.8 - 31.9 (9' 2" - 104' 10")		[t]	16.5	14.9	12.9	11.2							
			[lb]	(36380)	(32890)	(28330)	(24770)							
45.0 (148')	2.8 - 31.9 (9' 2" - 104' 8")		[t]	16.5	14.9	12.8	**11.2**							
			[lb]	(36380)	(32840)	(28280)	**(24740)**							
42.5 (139')	2.8 - 31.9 (9' 2" - 104' 9")		[t]	16.5	14.9	12.8								
			[lb]	(36380)	(32870)	(28310)								
40.0 (131')	2.8 - 32.0 (9' 2" - 105' 0")		[t]	16.5	14.9	**12.8**								
			[lb]	(36380)	(32950)	**(28370)**								
37.5 (123')	2.8 - 32.0 (9' 2" - 105' 2")		[t]	16.5	15.0									
			[lb]	(36380)	(33000)									
35.0 (115')	2.8 - 32.0 (9' 2" - 105' 1")		[t]	16.5	**15.0**									
			[lb]	(36380)	**(32980)**									
32.5 (107')	2.8 - 32.1 (9' 2" - 105' 4")		[t]	16.5										
			[lb]	(36380)										
30.0 (98')	2.8 - 30.0 (9' 2" - 98' 5")		[t]	**16.5**										
			[lb]	**(36380)**										

Load capacity [t] (lb)

WOLFF-Boost

With the WOLFF-Boost function, the load is allowed to exceed the load torque range specified for the lifting capacities by up to 10%. This is, however, subject to the restriction that hoisting gear and trolley gear must only be moved alternatingly.

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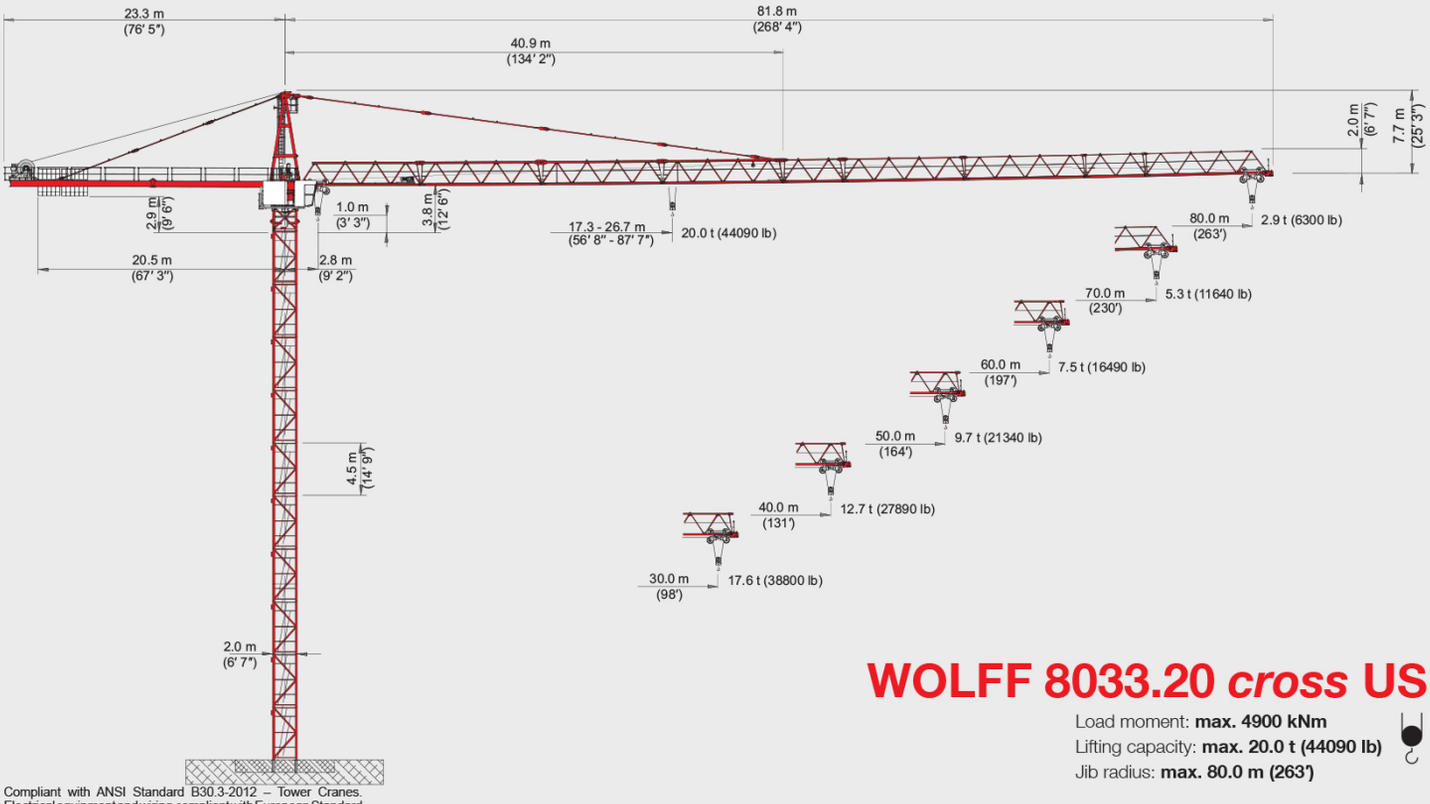


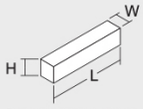
WOLFF 8033.20 *cross* US

Load moment: **max. 4900 kNm**
Lifting capacity: **max. 20.0 t (44090 lb)**
Jib radius: **max. 80.0 m (263')**

Compliant with ANSI Standard B30.3-2012 – Tower Cranes. Electrical equipment and wiring compliant with European Standard EN 60204-1 and relevant modifications based on the US Standard NFPA-70. All loads indicated with activated WOLFFBoost.

WOLFF 8033.20 *cross* US · Colli List

Pos.	Pcs.	Description	Colli	Length [m] (ft)	Width [m] (ft)	Height [m] (ft)	Weight [kg] (lb)	Volume [m³] (ft³)
1	1	Tower top complete		TV 20 Tower connection 11.55 (37' 11")	2.30 (7' 7")	2.50 (8' 2")	15000 (33069)	66.41 (2345.25)
				HT 23 Tower connection 11.75 (38' 7")	2.32 (7' 7")	2.80 (9' 2")	16300 (35935)	76.34 (2695.92)
		Tower top upper part Item 1 disassembled		7.39 (24' 3")	2.49 (8' 2")	1.66 (5' 5")	2925 (6448)	30.55 (1078.86)
		Tower top lower part Item 1 disassembled		TV 20 Tower connection 5.60 (18' 4")	2.30 (7' 7")	2.50 (8' 2")	12075 (26621)	32.20 (1137.13)
				HT 23 Tower connection 5.80 (19' 0")	2.32 (7' 7")	2.80 (9' 2")	13370 (29476)	37.68 (1330.66)
2	1	Driver's cabin with suspension		4.82 (15' 10")	2.19 (7' 2")	2.55 (8' 4")	3030 (6680)	26.92 (950.67)
3	1	Counterjib folded		11.98 (39' 4")	2.30 (7' 7")	1.31 (4' 4")	7140 (15741)	36.10 (1274.86)
4	1	Hw 2075 FU Machinery platform Hw 20110 FU Machinery platform		2.58 (8' 6") 2.58 (8' 6")	2.31 (7' 7") 2.31 (7' 7")	1.70 (5' 7") 1.70 (5' 7")	4930 (10869) 4880 (10758)	10.13 (357.74) 10.13 (357.74)
5	1	Jib element **1**		10.19 (33' 5")	1.64 (5' 5")	2.29 (7' 6")	3400 (7496)	38.54 (1361.03)
6	1	Jib element **2**		10.19 (33' 5")	1.64 (5' 5")	2.08 (6' 10")	2460 (5423)	34.76 (1227.54)
7	1	Jib element **3**		10.23 (33' 7")	1.64 (5' 5")	2.08 (6' 10")	2320 (5115)	34.90 (1232.48)
8	1	Jib element **4**		10.30 (33' 10")	1.64 (5' 5")	2.07 (6' 9")	2300 (5071)	34.97 (1234.96)
9	1	Jib element **5**		5.33 (17' 6")	1.64 (5' 5")	2.03 (6' 8")	1135 (2502)	17.74 (626.48)
10	1	Jib element **6**		2.83 (9' 3")	1.64 (5' 5")	2.03 (6' 8")	695 (1532)	9.42 (332.66)
11	1	Jib element **7**		10.28 (33' 9")	1.64 (5' 5")	2.03 (6' 8")	1815 (4001)	34.22 (1208.47)
12	1	Jib element **8**		10.22 (33' 6")	1.64 (5' 5")	2.02 (6' 8")	1290 (2844)	33.86 (1195.76)
13	1	Jib element **9**		5.20 (17' 1")	1.64 (5' 5")	2.01 (6' 7")	660 (1455)	17.14 (605.29)
14	1	Jib element **10**		10.19 (33' 5")	1.64 (5' 5")	2.01 (6' 7")	1040 (2293)	33.59 (1186.22)
15	1	Rope swivel traverse		1.38 (4' 6")	1.54 (5' 1")	0.50 (1' 8")	245 (540)	1.06 (37.43)
16	1	Trolley LK 20		2.00 (6' 7")	1.88 (6' 2")	1.33 (4' 4")	600 (1323)	5.00 (176.57)
17	1	Unterflasche U 20		0.72 (2' 4")	0.29 (0' 11")	1.84 (6' 0")	750 (1653)	0.38 (13.42)
18	1	Service cage		0.75 (2' 6")	0.55 (1' 10")	1.69 (5' 7")	55 (121)	0.70 (24.72)



Dimensions colli list

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WOLFF 8033.20 *cross* US

Main Components
30 m (98') basic jib with trolley gear. Extensions up to 80 m (263') radius in 2.5 m (8') steps. Slewing frame with driver's cabin, control cabinet, two slewing gears, ball race bearing with central lubrication unit and slipring system. Counterjib with hoisting platform and counterweights.

Drive Technique
All drives frequency controlled squirrel cage motors, fully thermal protected. Hoisting winches Hw 2075 FU or Hw 20110 FU. Two slewing gears with electrically operated weathervaning device. Automatic windforce compensation controls. Trolley gear.

Electrical Equipment
Multivoltage equipment for supplies of 480 V Y / 277 V 60 Hz. Electronic safety crane controls with bus technology. Incremental absolute encoders for all operating movements. Electronic load measuring device at basic jib section. Multilingual graphic display showing information to operator, both operational and diagnostics.

Safety Devices
Crane is complete with electronic overload protection system. Increased load moment limitation due to automatic hoist speed reduction. Menu guided setting of overload protection system and of all limiters from operators cabin. Working space limiter, anti-collision interface. Trolley rope breakage safety device.

In series with
Teleservice module and wind indicator.

Tower Elements, Climbing Device
Tower configuration of WOLFF system tower elements. WOLFF slug bolt connection. Detachable hydraulic WOLFF system climbing devices KWH 20.6 and KWH 23. WOLFF system inner climbing devices KSH 20 and KSH (E) 23.

Cross Frame KR, Mobile Cross Frame KRF
WOLFF cross frames KR can be used with gauge from 6.0 m up to 10.0 m (20' - 33'). WOLFF cross frames can be modified to KRF.

Power Requirements and hook paths (Slewing part)
98 kVA (Hw 2075 FU). 125 kVA (Hw 20110 FU). Hook path – see table of mechanisms.

Mechanisms · WOLFF 8033.20 *cross* US · (Hw 2075 FU)

Motor [kW] (hp)	75 (100)	9.0 (12)	2 x 7.5 (2 x 10)	4 x 5.5 (4 x 7.4)
Speed	0 - 2.1 t (0 - 4630 lb) 0 ... 132 m/min (0 ... 433 ft/min) stepless 0 - 20.0 t (0 - 44090 lb) (0 ... 19 m/min) (0 ... 62 ft/min)	0 - 3.3 t (0 - 7280 lb) 0 ... 100 m/min (0 ... 328 ft/min) stepless 0 - 20.0 t (0 - 44090 lb) (0 ... 32 m/min) (0 ... 105 ft/min)	0.80 min^{-1}	30.0 m/min (98 ft/min)
Hook path [m] (ft)	400 (1312')			

Mechanisms · WOLFF 8033.20 *cross* US · (Hw 20110 FU)

Motor [kW] (hp)	110 (147)	9.0 (12)	2 x 7.5 (2 x 10)	4 x 5.5 (4 x 7.4)
Speed	0 - 2.2 t (0 - 4850 lb) 0 ... 190 m/min (0 ... 623 ft/min) stepless 0 - 20.0 t (0 - 44090 lb) (0 ... 28 m/min) (0 ... 92 ft/min)	0 - 3.3 t (0 - 7280 lb) 0 ... 100 m/min (0 ... 328 ft/min) stepless 0 - 20.0 t (0 - 44090 lb) (0 ... 32 m/min) (0 ... 105 ft/min)	0.80 min^{-1}	30.0 m/min (98 ft/min)
Hook path [m] (ft)	400 (1312')			

Load Data [t] (lb) · WOLFF 8033.20 *cross* US · BOOST

Jib length [m] (ft)		Jib radius [m] (ft)			30.0 (98' 5")	35.0 (114' 10")	40.0 (131' 3")	45.0 (147' 8")	50.0 (164' 1")	55.0 (180' 5")	60.0 (196' 10")	65.0 (213' 3")	70.0 (229' 8")	75.0 (246' 1")	80.0 (262' 6")	Load capacity [t] (lb)
80.0 (263')	2.8 - 17.3 (9' 2" - 56' 8")	20.0 t (44090 lb)	[t]		10.7 (23640)	8.9 (19680)	7.6 (16710)	6.5 (14400)	5.7 (12550)	5.0 (11030)	4.4 (9770)	4.0 (8700)	3.5 (7790)	3.2 (7000)	**2.9 (6300)**	
77.5 (254')	2.8 - 19.1 (9' 2" - 62' 7")		[t]		12.0 (26530)	10.1 (22170)	8.6 (18880)	7.4 (16320)	6.5 (14280)	5.7 (12610)	5.1 (11220)	4.6 (10040)	4.1 (9030)	3.7 (8150)		
75.0 (246')	2.8 - 20.7 (9' 2" - 68' 0")		[t]		13.2 (29180)	11.1 (24430)	9.5 (20870)	8.2 (18100)	7.2 (15870)	6.4 (14060)	5.7 (12540)	5.1 (11260)	4.6 (10160)	**4.2 (9220)**		
72.5 (238')	2.8 - 21.9 (9' 2" - 71' 8")		[t]		14.1 (31010)	11.8 (25990)	10.1 (22230)	8.8 (19310)	7.7 (16960)	6.8 (15050)	6.1 (13450)	5.5 (12100)	5.0 (10950)			
70.0 (230')	2.8 - 22.9 (9' 2" - 75' 0")		[t]		14.8 (32630)	12.4 (27380)	10.6 (23440)	9.3 (20380)	8.1 (17940)	7.2 (15930)	6.5 (14270)	5.8 (12850)	**5.3 (11640)**			
67.5 (221')	2.8 - 23.7 (9' 2" - 77' 11")		[t]		15.4 (34050)	13.0 (28590)	11.1 (24510)	9.7 (21330)	8.5 (18790)	7.6 (16710)	6.8 (14970)	6.1 (13510)				
65.0 (213')	2.8 - 24.5 (9' 2" - 80' 5")		[t]		16.0 (35260)	13.4 (29630)	11.5 (25420)	10.0 (22140)	8.9 (19510)	7.9 (17370)	7.1 (15580)	**6.4 (14070)**				
62.5 (205')	2.8 - 25.1 (9' 2" - 82' 5")		[t]		16.5 (36270)	13.8 (30500)	11.9 (26180)	10.4 (22810)	9.1 (20120)	8.1 (17920)	7.3 (16080)					
60.0 (197')	2.8 - 25.6 (9' 2" - 84' 1")		[t]		16.8 (37080)	14.2 (31200)	12.2 (26790)	10.6 (23350)	9.4 (20600)	8.3 (18360)	**7.5 (16490)**					
57.5 (189')	2.8 - 26.0 (9' 2" - 85' 4")		[t]		17.1 (37690)	14.4 (31710)	12.4 (27240)	10.8 (23760)	9.5 (20980)	8.5 (18690)						
55.0 (180')	2.8 - 26.3 (9' 2" - 86' 2")		[t]		17.3 (38090)	14.5 (32070)	12.5 (27540)	10.9 (24020)	9.6 (21220)	**8.6 (18920)**						
52.5 (172')	2.8 - 26.4 (9' 2" - 86' 7")		[t]		17.4 (38300)	14.6 (32240)	12.6 (27700)	11.0 (24170)	9.7 (21340)							
50.0 (164')	2.8 - 26.4 (9' 2" - 86' 7")		[t]		17.4 (38300)	14.6 (32240)	12.6 (27700)	11.0 (24170)	**9.7 (21340)**							
47.5 (156')	2.8 - 26.5 (9' 2" - 87' 0")		[t]		17.5 (38480)	14.7 (32400)	12.6 (27840)	11.0 (24290)								
45.0 (148')	2.8 - 26.5 (9' 2" - 86' 10")		[t]		17.4 (38420)	14.7 (32350)	12.6 (27800)	**11.0 (24260)**								
42.5 (139')	2.8 - 26.5 (9' 2" - 86' 11")		[t]		17.5 (38470)	14.7 (32380)	12.6 (27830)									
40.0 (131')	2.8 - 26.6 (9' 2" - 87' 1")		[t]		17.5 (38560)	14.7 (32460)	**12.7 (27890)**									
37.5 (123')	2.8 - 26.6 (9' 2" - 87' 3")		[t]		17.5 (38610)	14.8 (32520)										
35.0 (115')	2.8 - 26.6 (9' 2" - 87' 2")		[t]		17.5 (38600)	**14.7 (32490)**										
32.5 (107')	2.8 - 26.6 (9' 2" - 87' 5")		[t]		17.6 (38700)											
30.0 (98')	2.8 - 26.7 (9' 2" - 87' 7")		[t]		**17.6 (38800)**											

WOLFF-Boost

With the WOLFF-Boost function, the load is allowed to exceed the load torque range specified for the lifting capacities by up to 10%. This is, however, subject to the restriction that hoisting gear and trolley gear must only be moved alternatingly.