

Potenza totale richiesta
Necessary power supply

165 kVA *




Argani
Winches




AWL 10510

Corrente trifase
Three-phase current

400/440 V - 50/60 Hz

* Gru senza traslazione - Crane without travelling system.

Sollevamento - Hoisting		m/min	t	HP	kW	
AWL 10510		0 - 40	10	105	77	520 m max. > 520 m consultateci consult us
		0 - 55	7.2			
		0 - 76	5.2			
		0 - 104	3.6			
		0 - 118	1.2			
		0 - 20	20			
		0 - 27.5	14.4			
		0 - 38	10.4			
		0 - 52	7.2			
		0 - 59	2.4			

Carrello - Trolley		DCT	0 + 90 m/min	7.5 kW
Rotazione - Slewing		SSR	0 - 0.67 r.p.m.	4 x 80 Nm
Traslazione (consultateci) Travelling (consult us)		4RG 4M8/2	0 - 24 m/min	30 kW

CTT 561-20



Gru Comedil srl

Via S. Egidio 42/A - 33074 Fontanafredda (PN) - Italy
Tel. 0434/997580 - Telefax 0434/998633

Internet e-mail: comedil@talomas.it

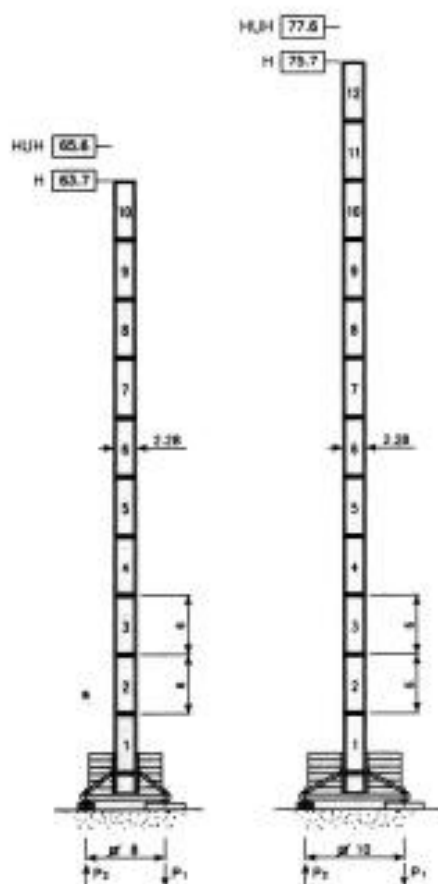
Internet home page: <http://www.talomas.it/comedil>

Casagrande Group

In accordo con le normative C.E.E. 87/405 riguardanti il livello acustico.
In accordance with E.E.C. standards 87/405 for the acoustic level.



HD 23 22



T-FP

P_1	1170 kN ^o	1290 kN*
P_2	13 kN ^o	10 kN*

T-FP

P_1	1170 kN ^o	1420 kN*
P_2	250 kN ^o	10 kN*

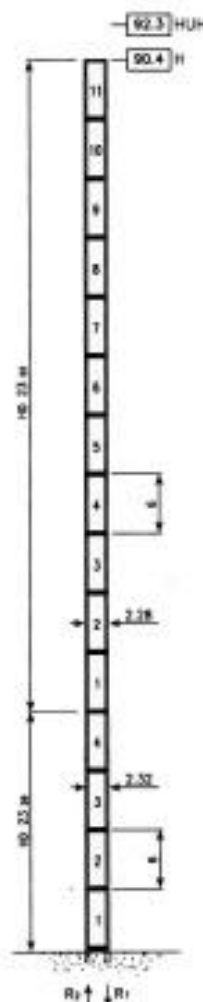
R

R_1	3220 kN ^o	3960 kN*
R_2	2390 kN ^o	3210 kN*

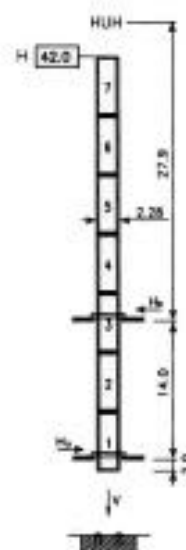
RS

R_1	4340 kN ^o	6100 kN*
R_2	3420 kN ^o	5250 kN*

HD 23 22-26



HD 23 22 CLIMBING

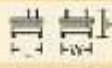


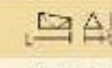
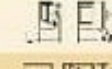
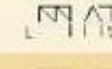


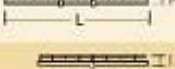

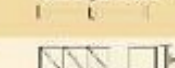


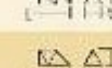

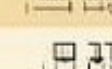

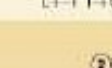
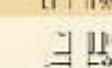

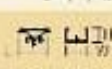
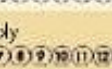

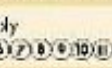


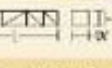
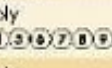

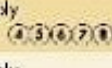
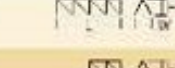

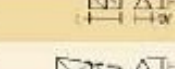

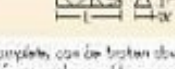
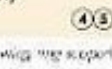
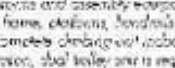
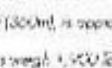


H m	42.0
C m	14.0
H_0^o	461 kN
H_u^o	421 kN
V^o	1390 kN
H_0^*	427 kN
H_u^*	258 kN
V^*	1240 k

Component List

Comedil CTT 561-20

NOTE: Weights and dimensions are approximate. Scale all components before installing. Please consult Comedil's CTT561-20 Operator's Manual before erecting, operating, moving and dismantling crane or tower components. Specifications are subject to change without prior notification. Contact Morrow Equipment for additional information.

Description	Dimensions (L x W x H)	Weight	Description	Dimensions (L x W x H)	Weight
Slowing Assembly ¹ Complete	 7'7" x 9'10" x 7'7" 2.3m x 3m x 2.3m	26,455 lbs 12,000 kg	Jib Section (6)	 33'10" x 6'2" x 7'2" 10.3m x 1.87m x 2.18m	4,190 lbs 1,900 kg
Cab Tower Section ²	 10'0" x 8'2" x 6'10" 3.05m x 2.5m x 2.09m	5,025 lbs 2,280 kg	Jib Section (7)	 17'4" x 6'2" x 7'2" 5.28m x 1.87m x 2.18m	1,910 lbs 865 kg
Operator Cab	 5'9" x 3'7" x 6'5" 1.75m x 1.1m x 1.95m	1,410 lbs 640 kg	Jib Section (8)	 17'3" x 6'2" x 6'1" 5.25m x 1.87m x 1.86m	1,720 lbs 780 kg
DC Hoist Unit ³ 147 HP (110 kW)	 5'2" x 5'11" x 5'11" 1.58m x 1.8m x 1.8m	13,890 lbs 6,300 kg	Jib Section (9)	 17'2" x 6'2" x 6'1" 5.22m x 1.87m x 1.86m	1,300 lbs 590 kg
Counter Jib 89ft (27.1m)	 61'4" x 6'11" x 3'9" 18.7m x 2.1m x 1.15m	15,430 lbs 7,000 kg	Jib Section (10)	 17'0" x 6'2" x 6'1" 5.19m x 1.87m x 1.86m	1,090 lbs 495 kg
Counter Jib 79ft (24.1m)	 51'6" x 6'11" x 3'9" 15.7m x 2.1m x 1.15m	12,790 lbs 5,800 kg	Jib Section (11)	 16'11" x 6'2" x 6'1" 5.16m x 1.87m x 1.86m	950 lbs 430 kg
Tower Section ² HD23 22.6	 19'8" x 7'6" x 7'6" 6m x 2.28m x 2.28m	10,640 lbs 4,825 kg	Jib Section (12)	 16'10" x 6'2" x 6'1" 5.14m x 1.87m x 1.86m	785 lbs 355 kg
Tower Section ² HD23 26.6	 19'8" x 7'8" x 7'7" 6m x 2.34m x 2.32m	14,275 lbs 6,475 kg	Jib Section (13)	 16'9" x 6'2" x 6'1" 5.1m x 1.87m x 1.86m	705 lbs 320 kg
Top Climbing ⁴ Unit	 38'1" x 9'7" x 9'2" 11.6m x 2.92m x 2.8m	31,970 lbs 14,500 kg	Jib Tip (14)	 7'5" x 6'7" x 4'10" 2.27m x 2m x 1.47m	475 lbs 215 kg
Counterweight Block A1	 4'8" x 11" x 12'4" 1.43m x 0.28m x 3.75m	7,870 lbs 3,570 kg	Jib Assembly ⁵ Part 1	 65'7" x 6'7" x 8'2" 20m x 2m x 2.5m	17,635 lbs 8,000 kg
Counterweight Block C1	 4'8" x 11" x 8'8" 1.43m x 0.28m x 2.64m	5,510 lbs 2,500 kg	279ft (85m) Jib Assembly Part 2	 198'2" x 6'7" x 8'2" 60.4m x 2m x 2.5m	22,710 lbs 10,300 kg
Trolley ⁵ Single	 6'10" x 7'4" x 4'5" 2.08m x 2.23m x 1.34m	990 lbs 450 kg	262ft (80m) Jib Assembly Part 2	 181'9" x 6'7" x 8'2" 55.4m x 2m x 2.5m	22,045 lbs 10,000 kg
Dual Hook Block (without cheek plates)	 8'0" x 2'8" x 6'5" 2.44m x 0.8m x 1.95m	1,610 lbs 730 kg	246ft (75m) Jib Assembly Part 2	 165'4" x 6'7" x 8'2" 50.4m x 2m x 2.5m	21,165 lbs 9,600 kg
Single Hook Block (without cheek plates)	 3'11" x 2'8" x 5'6" 1.2m x 0.8m x 1.68m	740 lbs 335 kg	230ft (70m) Jib Assembly Part 2	 148'11" x 6'7" x 8'2" 45.4m x 2m x 2.5m	20,280 lbs 9,200 kg
Jib Section (1) (with trolley wheel)	 38'5" x 6'7" x 8'2" 11.71m x 2m x 2.5m	23,150 lbs 10,500 kg	213ft (65m) Jib Assembly Part 2	 132'7" x 6'7" x 8'2" 40.4m x 2m x 2.5m	19,180 lbs 8,700 kg
Jib Section (2)	 32'10" x 6'2" x 8'2" 10m x 1.87m x 2.5m	9,280 lbs 4,210 kg	197ft (60m) Jib Assembly Part 2	 116'2" x 6'7" x 8'2" 35.4m x 2m x 2.5m	17,850 lbs 8,100 kg
Jib Section (3)	 32'10" x 6'2" x 8'2" 10m x 1.87m x 2.5m	8,160 lbs 3,700 kg	180ft (55m) Jib Assembly Part 2	 100'1" x 6'7" x 8'2" 30.5m x 2m x 2.5m	16,095 lbs 7,300 kg
Jib Section (4)	 17'8" x 6'2" x 8'2" 5.38m x 1.87m x 2.5m	3,735 lbs 1,695 kg	164ft (50m) Jib Assembly Part 2	 83'8" x 6'7" x 8'2" 25.5m x 2m x 2.5m	14,330 lbs 6,500 kg
Jib Section (5)	 33'10" x 6'2" x 8'2" 10.3m x 1.87m x 2.5m	5,400 lbs 2,450 kg	131ft (40m) Jib Assembly Part 2	 50'10" x 6'7" x 8'2" 15.5m x 2m x 2.5m	9,920 lbs 4,500 kg

¹ Slowing assembly (complete) can be broken down into upper part (4,250 lbs/1,900 kg) and lower part, i.e., slowing ring and slowing ring support (1,25 lbs/550 kg).
² Includes brackets, platform and assembly required.
³ Includes hook wind, frame, cables, hardware and wire rope. Weight of hook rope above, based on an installed length of 1,190 ft (363m), is approximately 1,410 lbs (640 kg).
⁴ Weight figure is for complete climbing unit including all side ladders, handrails, handholds and platforms.
⁵ When in 4 part operation, dual trolley unit is required. Inner and outer trolleys lock together to form dual trolley unit. Combined trolleys weigh 1,900 lbs (860 kg). See trolley section in crane manual.
⁶ Includes jib sections 2 & 3



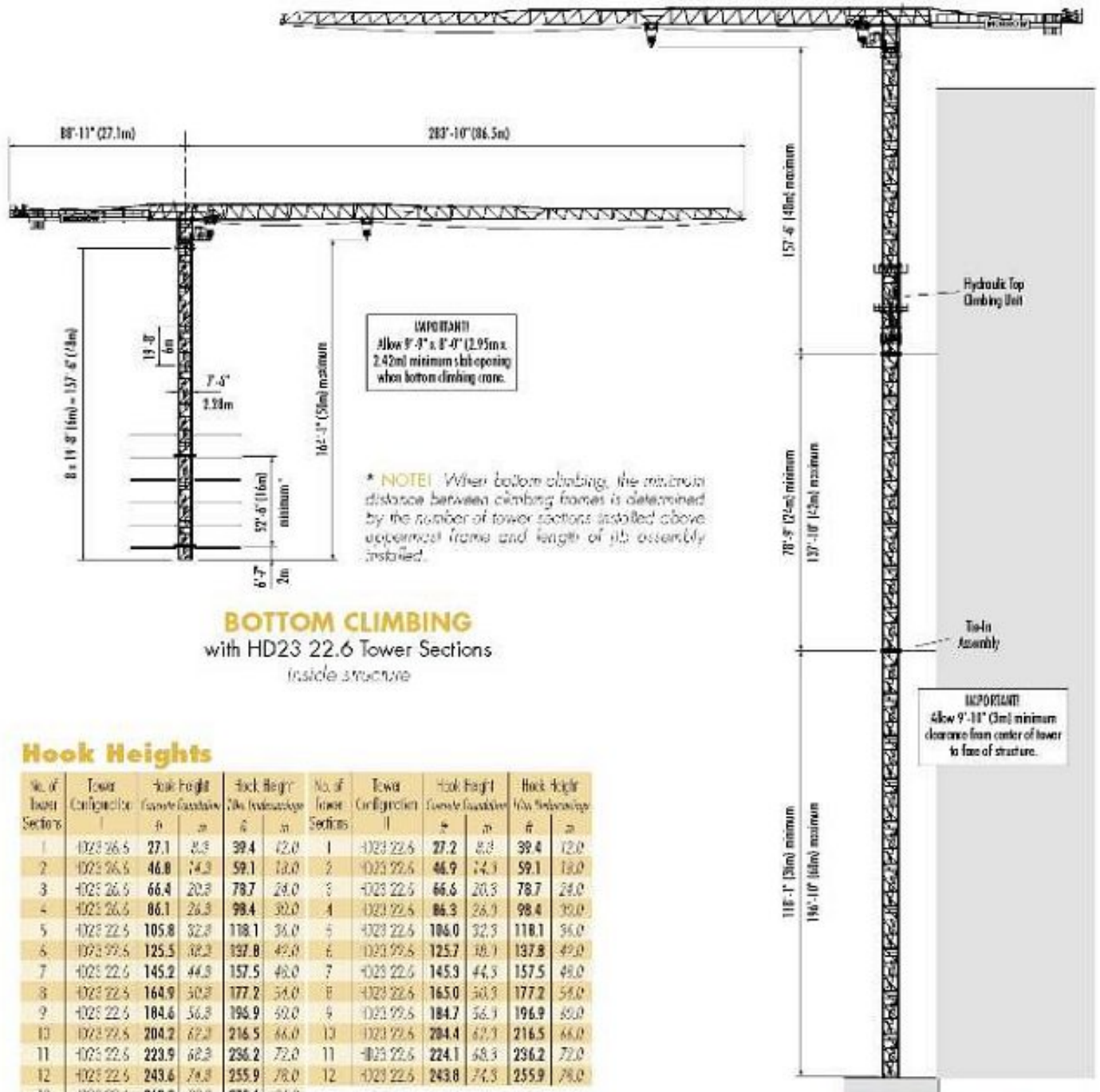
Morrow Equipment COMPANY, L.L.C.

3218 Pringle Road SE • P O Box 3306 • Salem, Oregon 97302-0306 USA
Tel. 503.585.5721 • Fax. 503.363.1172 • www.morrowequipment.com

Atlanta, GA • Charlotte, NC • Chicago, IL • Denver, CO • Honolulu, HI • Houston, TX • Los Angeles, CA • Las Vegas, NV
 Millwood, NY • St. Louis, MO • San Francisco, CA • Seattle, WA • Miami, FL • Tampa, FL • Washington, DC
 Sydney, Australia • Wellington, New Zealand • Vancouver, BC, Canada • Toronto, ON, Canada • México DF, México

Configurations

Comedil CTT 561-20



BOTTOM CLIMBING
with HD23 22.6 Tower Sections
inside structure

Hook Heights

No. of Tower Sections	Tower Configuration I	Hook Height (Tower Foundation)		Hook Height (No. Tower Sections)		No. of Tower Sections	Tower Configuration II	Hook Height (Tower Foundation)		Hook Height (No. Tower Sections)	
		ft	m	ft	m			ft	m	ft	m
1	HD23 26.5	27.1	8.3	39.4	12.0	1	HD23 22.6	27.2	8.3	39.4	12.0
2	HD23 26.5	46.8	14.2	59.1	18.0	2	HD23 22.6	46.9	14.3	59.1	18.0
3	HD23 26.5	66.4	20.2	78.7	24.0	3	HD23 22.6	66.6	20.3	78.7	24.0
4	HD23 26.5	86.1	26.3	98.4	30.0	4	HD23 22.6	86.3	26.3	98.4	30.0
5	HD23 22.6	105.8	32.3	118.1	36.0	5	HD23 22.6	106.0	32.3	118.1	36.0
6	HD23 22.6	125.5	38.3	137.8	42.0	6	HD23 22.6	125.7	38.3	137.8	42.0
7	HD23 22.6	145.2	44.3	157.5	48.0	7	HD23 22.6	145.3	44.3	157.5	48.0
8	HD23 22.6	164.9	50.3	177.2	54.0	8	HD23 22.6	165.0	50.3	177.2	54.0
9	HD23 22.6	184.6	56.3	196.9	60.0	9	HD23 22.6	184.7	56.3	196.9	60.0
10	HD23 22.6	204.2	62.3	216.5	66.0	10	HD23 22.6	204.4	62.3	216.5	66.0
11	HD23 22.6	223.9	68.3	236.2	72.0	11	HD23 22.6	224.1	68.3	236.2	72.0
12	HD23 22.6	243.6	74.3	255.9	78.0	12	HD23 22.6	243.8	74.3	255.9	78.0
13	HD23 22.6	263.3	80.3	275.6	84.0						
14	HD23 22.6	283.0	86.3	295.3	90.0						

IMPORTANT! Top climbing unit should be removed or lowered to base of crane prior to operating at maximum height under hook. Additional operating restrictions may apply; please consult crane manual or contact Morrow for specific information.

TOP CLIMBING
with HD23 22.6 Tower Sections
tied to structure

Radius and Capacities

Comedil CTT 561-20 2-part line

Hook Radius	Maximum Radius with Maximum Load	ft m	16 5	33 10	49 15	66 20	82 25	98 30	115 35	131 40	148 45	164 50	180 55	197 60	213 65	230 70	246 75	262 80	279 85
279 ft 85m	22,045 lbs – 91 ft 10,000 kg – 27.4m	lbs kg	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	20,020 9,080	17,655 7,960	14,330 6,500	12,455 5,650	10,990 4,980	9,765 4,430	8,750 3,970	7,890 3,580	7,165 3,250	6,550 2,970	5,995 2,720	5,510 2,500
262 ft 80m	22,045 lbs – 110 ft 10,000 kg – 33.5m	lbs kg	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	20,990 9,520	18,035 8,180	15,795 7,140	13,975 6,340	12,500 5,670	11,290 5,120	10,520 4,650	9,370 4,250	8,600 3,900	7,935 3,600		
246 ft 75m	22,045 lbs – 130 ft 10,000 kg – 39.6m	lbs kg	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	21,805 9,890	19,115 8,670	16,955 7,690	15,210 6,900	13,755 6,240	12,545 5,690	11,485 5,210	10,580 4,850			
230 ft 70m	22,045 lbs – 150 ft 10,000 kg – 45.7m	lbs kg	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	19,930 9,040	17,945 8,140	16,270 7,380	14,860 6,740	13,670 6,200			
213 ft 65m	22,045 lbs – 161 ft 10,000 kg – 49m	lbs kg	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	21,540 9,770	19,380 8,790	17,590 7,980	16,095 7,380				
197 ft 60m	22,045 lbs – 174 ft 10,000 kg – 52.9m	lbs kg	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	21,200 9,580	19,190 8,700					
180 ft 55m	22,045 lbs – 180 ft 10,000 kg – 55m	lbs kg	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000						
164 ft 50m	22,045 lbs – 164 ft 10,000 kg – 50m	lbs kg	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000							
131 ft 40m	22,045 lbs – 131 ft 10,000 kg – 40m	lbs kg	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000	22,045 10,000									



4-part line

Hook Radius	Maximum Radius with Maximum Load	ft m	16 5	33 10	49 15	66 20	82 25	98 30	115 35	131 40	148 45	164 50	180 55	197 60	213 65	230 70	246 75	262 80	279 85
279 ft 85m	44,090 lbs – 47 ft 20,000 kg – 14.3m	lbs kg	44,090 20,000	44,090 20,000	41,565 18,850	39,520 17,930	37,490 17,010	35,460 16,090	33,430 15,170	31,400 14,250	29,370 13,330	27,340 12,410	25,310 11,490	23,280 10,570	21,230 9,650	19,180 8,730	17,130 7,810	15,080 6,890	13,030 5,970
262 ft 80m	44,090 lbs – 56 ft 20,000 kg – 17.2m	lbs kg	44,090 20,000	44,090 20,000	44,090 20,000	35,970 16,770	28,510 12,930	22,550 10,260	19,000 8,620	15,090 7,300	12,850 6,280	10,610 5,460	9,370 4,800	8,330 4,250	7,470 3,780	6,700 3,390	6,040 3,040	5,470 2,800	
246 ft 75m	44,090 lbs – 57 ft 20,000 kg – 20.5m	lbs kg	44,090 20,000	44,090 20,000	44,090 20,000	44,090 20,000	35,140 15,940	28,440 12,900	23,700 10,750	20,190 9,160	17,460 7,920	15,300 6,940	13,540 6,140	12,090 5,480	10,850 4,920	9,750 4,440	8,840 4,100		
230 ft 70m	44,090 lbs – 77 ft 20,000 kg – 23.5m	lbs kg	44,090 20,000	44,090 20,000	44,090 20,000	44,090 20,000	41,250 18,620	33,400 15,150	28,000 12,700	23,990 10,880	20,880 9,470	18,410 8,350	16,400 7,440	14,730 6,680	13,320 6,040	12,350 5,600			
213 ft 65m	44,090 lbs – 92 ft 20,000 kg – 25m	lbs kg	44,090 20,000	44,090 20,000	44,090 20,000	44,090 20,000	44,090 20,000	35,560 16,310	30,180 13,690	25,900 11,750	22,580 10,240	19,930 9,040	17,790 8,070	16,010 7,260	14,770 6,780				
197 ft 60m	44,090 lbs – 98 ft 20,000 kg – 28.9m	lbs kg	44,090 20,000	44,090 20,000	44,090 20,000	44,090 20,000	44,090 20,000	39,020 17,700	32,870 14,910	28,290 12,830	24,740 11,220	21,910 9,940	19,620 8,900	18,080 8,200					
180 ft 55m	44,090 lbs – 99 ft 20,000 kg – 30.7m	lbs kg	44,090 20,000	44,090 20,000	44,090 20,000	44,090 20,000	44,090 20,000	44,090 20,000	37,350 16,940	32,190 14,600	28,200 12,790	25,040 11,360	22,930 10,400						
164 ft 50m	44,090 lbs – 102 ft 20,000 kg – 31m	lbs kg	44,090 20,000	44,090 20,000	44,090 20,000	44,090 20,000	44,090 20,000	44,090 20,000	38,540 17,480	33,220 15,070	29,200 13,210	26,460 12,000							
131 ft 40m	44,090 lbs – 105 ft 20,000 kg – 31.9m	lbs kg	44,090 20,000	44,090 20,000	44,090 20,000	44,090 20,000	44,090 20,000	44,090 20,000	39,730 18,040	35,270 16,000									

