





















ELLA STANDING FRAME	TECHNICAL INFORMATION									
	Size 1		Size 2		Size 2+		Size 3		Size 4	
	min	max	min	max	min	max	min	max	min	max
User approximate age (years)	0	4	3	7	3	7	6	12	11	18+
User height [mm]	600	950	900	1300	900	1300	1200	1550	1300	1800
Max user weight [kg]	30		40		40		55		80	
Power assisted tilt	Yes		Yes		Yes		Yes		Yes	
Manual assisted tilt	Yes		Yes		Yes		Yes		No	
Pivot width [mm]	1000		1000		1350		1350		1450	
Castor height (space for hoist skis) [mm]	140		140		140		140		140	
Castor diameter [mm]	100		100		100		100		100	
Height in upright position, floor to top of head rest [mm]	970	1100	1040	1430	1040	1430	1280	1630	1460	1880
Height in horizontal position to lateral support edge [mm]	810		890		890		940		950	
Height in horizontal position to trunk support pad surface [mm]	710		790		790		790		810	
Foot plate to top of head rest [mm]	600	850	740	1300	740	1300	1040	1600	1075	1800
Foot plate to top of trunk pad [mm]	430	680	570	975	570	975	800	1280	900	1500
Foot plate to top of pelvic pad [mm]	300	540	475	785	475	785	500	1040	625	1225
Foot plate to top of knee cup [mm]	140	450	180	550	180	550	200	650	250	850
Foot plate to floor [mm]	135	-	135	-	135	-	150	-	150	-
Product weight with manual tilt, Standard Set up [kg]	28		29		31		32		-	
Product weight with powered tilt, Standard Set up [kg]	32		35		36		38		47	
Width [mm]	580		580		702		702		752	
Length [mm]	750		750		1000		1000		1080	
Actuator Voltage (LA31, LA34)	24V (LA31)								24V (LA34)	
Integrated Lead Battery / Control Unit (CB8)	24V / 2,9 Ah (Control Box CB8)									
Operating noise with powered tilt	48 dB (LA31)								< 50 dB (LA34)	
Lifting Speed without / with load [mm/s]	8,2 / 5,4 (LA31)								10,8 / 7,9 (LA34)	
Battery charger (CH01)	Mains: 100 - 240 VAC / 50 - 60 Hz switch mode supply Charging Voltage: 27,6 VDC Charging Current: Max. 500 mA									
Battery charging time	6 hours									
IP Protection Class	IPX1 (Handset HB41) IPX4 (Actuator LA31, LA34)									
Duty Cycle	10%, Max. 2 min / 18 min (LA31, LA34, CB8)									
Emergency stop	Yes									
Power tilt components	ELLA 1 -3: Actuator LA31, Control Box CB8, Charger CH01, Handset HB41 ELLA 4: Actuator LA34, Control Box CB8, Charger CH01, Handset HB41									

ELLA STANDING FRAME	TECHNICAL INFORMATION (US)									
	Size 1		Size 2		Size 2+		Size 3		Size 4	
	min	max	min	max	min	max	min	max	min	max
User approximate age (years)	0	4	3	7	3	7	6	12	11	18+
User height [in]	23,62	37,40	35,43	51,18	35,43	51,18	47,24	61,02	51,18	70,87
Max user weight [lb]	66,14		88,18		88,18		121,25		176,37	
Power assisted tilt	Yes		Yes		Yes		Yes		Yes	
Manual assisted tilt	Yes		Yes		Yes		Yes		No	
Pivot width [in]	39,37		39,37		53,15		53,15		57,09	
Castor height (space for hoist skis) [in]	5,51		5,51		5,51		5,51		5,51	
Castor diameter [in]	3,94		3,94		3,94		3,94		3,94	
Height in upright position, floor to top of head rest [in]	38,19	43,31	40,94	56,3	40,94	56,3	50,39	64,17	57,48	74,02
Height in horizontal position to lateral support edge [in]	31,89		35,04		35,04		37,01		37,4	
Height in horizontal position to trunk support pad surface [in]	27,95		31,1		31,1		31,1		31,89	
Foot plate to top of head rest [in]	23,62	33,46	29,13	51,18	29,13	51,18	40,94	62,99	42,32	70,87
Foot plate to top of trunk pad [in]	16,93	26,77	22,44	38,39	22,44	38,39	31,5	50,39	35,43	59,06
Foot plate to top of pelvic pad [in]	11,81	21,26	18,7	30,91	18,7	30,91	19,69	40,94	24,61	48,23
Foot plate to top of knee cup [in]	5,51	17,72	7,09	21,65	7,09	21,65	7,87	25,59	9,84	33,46
Foot plate to floor [in]	5,31	-	5,31	-	5,31	-	5,91	-	5,91	-
Product weight with manual tilt, Standard Set up [lb]	61,73		63,93		68,34		70,55		-	
Product weight with powered tilt, Standard Set up [lb]	70,55		77,16		79,37		83,78		103,62	
Width [in]	22,83		22,83		27,64		27,64		29,61	
Length [in]	29,53		29,53		39,37		39,37		42,52	
Actuator Voltage (LA31, LA34)	24V (LA31)								24V (LA34)	
Integrated Lead Battery / Control Unit (CB8)	24V / 2,9 Ah (Control Box CB8)									
Operating noise with powered tilt	48 dB (LA31)								< 50 dB (LA34)	
Lifting Speed without / with load [in/s]	0,32 / 0,21 (LA31)								0,43 / 0,31 (LA34)	
Battery charger (CH01)	Mains: 100 - 240 VAC / 50 - 60 Hz switch mode supply Charging Voltage: 27,6 VDC Charging Current: Max. 500 mA									
Battery charging time	6 hours									
IP Protection Class	IPX1 (Handset HB41) IPX4 (Actuator LA31, LA34)									
Duty Cycle	10%, Max. 2 min / 18 min (LA31, LA34, CB8)									
Emergency stop	Yes									
Power tilt components	ELLA 1 -3: Actuator LA31, Control Box CB8, Charger CH01, Handset HB41 ELLA 4: Actuator LA34, Control Box CB8, Charger CH01, Handset HB41									

ELLA Module Dimensions									
Module		Width [mm]	Lenght [mm]	Height [mm]	Thickness [mm]	Diameter [mm]	Depth [mm]		
<b>01 - Mobile base</b>									
	Size 1 Mobile base	580	750	140					
	Size 2 Mobile base	580	750	140					
	Size 3 Mobile base	702	1000	140					
	Size 4 Mobile base	752	1080	140					
<b>02 - Foot rests</b>									
	Small Sandals	Heel 76 Toe 83	134	Heel 64 Toe 12					
	Medium Sandals	Heel 83 Toe 95	184	Heel 64 Toe 12					
	Large Sandals	Heel 102 Toe 114	235	Heel 73 Toe 12					
<b>03 - Knee supports - Pad dimensions</b>									
	Small Knee cups	70		95	25	80	35		
	Medium Knee cups	85		105	25	100	40		
	Large Knee cups	100		115	35	120	40		
<b>04 - Pelvic support - Standard &amp; Rotational - Pad dimensions</b>									
	Pelvic support size 1	210		160	35				
	Pelvic support size 2	260		210	35				
	Pelvic support size 3	290		255	35				
	Pelvic support size 4	355		290	35				
<b>05 - Trunk support - Standard &amp; Rotational Pad dimensions</b>									
	Trunk support size 1	210		210	35				
	Trunk support size 2	260		240	35				
	Trunk support size 3	290		295	35				
	Trunk support size 4	355		325	35				
<b>06 - Belt</b>									
	Size 1 Belt W75/L400+330mm	75	Right 400 Left 330						
	Size 2 Belt W100/L450+380mm	100	Right 450 Left 380						
	Size 3 Belt W100/L510+410mm	100	Right 510 Left 410						
	Size 4 Belt W125/L610+510mm	125	Right 610 Left 510						
<b>07 - Lateral supports - Pad dimensions</b>									
	Small laterals inset 20mm		100	100	35				
	Small straight laterals		100	100	35				
	Medium laterals inset 20mm per side		115	115	35				
	Medium straight laterals		115	115	35				
	Large laterals inset 30mm per side		155	140	35				
	Large straight laterals		155	140	35				
	Small swing-away inset 27mm per side		100	100	35				
	Small swing-away straight		100	100	35				
	Medium swing-away inset 27mm per side		115	115	35				
	Medium swing-away straight		115	115	35				
	Large swing-away inset 27mm per side		155	140	35				
	Large swing-away straight		155	140	35				
	Small Flexi-pad swing-away inset 27mm per side		185	110	50				
	Small Flexi-pad swing-away straight		185	110	50				
	Medium Flexi-pad swing-away inset 27mm per side		215	125	50				
	Medium Flexi-pad swing-away straight		215	125	50				
Large Flexi-pad swing-away inset 27mm per side		270	140	50					
Large Flexi-pad swing-away straight		270	140	50					
<b>08 - Tray</b>									
	Size 1	510	290	50					
	Size 2	540	320	50					
	Size 3 & 4	630	340	50					
	Bowl 2,5l					200	100		
<b>09 - Head rest</b>									
	Small Head rest 10"	240		140					
	Medium Head rest 14"	340		150					
<b>Shoulder protraction pads - Pad dimensions</b>									
	Small Shoulder protraction pads		115	115	35				
	Medium Shoulder protraction pads		155	140	35				

ELLA Module Dimensions (US)									
Module		Width [inch]	Lenght [inch]	Height [inch]	Thickness [inch]	Diameter [inch]	Depth [inch]		
<b>01 - Mobile base</b>									
	Size 1 Mobile base	22,83	29,53	5,51					
	Size 2 Mobile base	22,83	29,53	5,51					
	Size 3 Mobile base	27,64	39,37	5,51					
	Size 4 Mobile base	29,61	42,52	5,51					
<b>02 - Foot rests</b>									
	Small Sandals	Heel 2,99 Toe 3,28	5,28	Heel 2,52 Toe 0,47					
	Medium Sandals	Heel 3,28 Toe 3,74	7,24	Heel 2,52 Toe 0,47					
	Large Sandals	Heel 4,02 Toe 4,49	9,25	Heel 2,87 Toe 0,47					
<b>03 - Knee supports - Pad dimensions</b>									
	Small Knee cups	2,76		3,74	0,98	3,15	1,38		
	Medium Knee cups	3,35		4,13	0,98	3,94	1,57		
	Large Knee cups	3,94		4,53	1,38	4,72	1,57		
<b>04 - Pelvic support - Standard &amp; Rotational - Pad dimensions</b>									
	Pelvic support size 1	8,27		6,30	1,38				
	Pelvic support size 2	10,24		8,27	1,38				
	Pelvic support size 3	11,42		10,04	1,38				
	Pelvic support size 4	13,98		11,42	1,38				
<b>05 - Trunk support - Standard &amp; Rotational Pad dimensions</b>									
	Trunk support size 1	8,27		8,27	1,38				
	Trunk support size 2	10,24		9,45	1,38				
	Trunk support size 3	11,42		11,61	1,38				
	Trunk support size 4	13,98		12,80	1,38				
<b>06 - Belt</b>									
	Size 1 Belt W75/L400+330mm	2,95	Right 15,75 Left 11,81						
	Size 2 Belt W100/L450+380mm	3,94	Right 17,72 Left 14,96						
	Size 3 Belt W100/L510+410mm	3,94	Right 20,08 Left 16,14						
	Size 4 Belt W125/L610+510mm	4,92	Right 24,02 Left 20,08						
<b>07 - Lateral supports - Pad dimensions</b>									
	Small laterals inset 20mm		3,94	3,94	1,38				
	Small straight laterals		3,94	3,94	1,38				
	Medium laterals inset 20mm per side		4,53	4,53	1,38				
	Medium straight laterals		4,53	4,53	1,38				
	Large laterals inset 30mm per side		6,10	5,51	1,38				
	Large straight laterals		6,10	5,51	1,38				
	Small swing-away inset 27mm per side		3,94	3,94	1,38				
	Small swing-away straight		3,94	3,94	1,38				
	Medium swing-away inset 27mm per side		4,53	4,53	1,38				
	Medium swing-away straight		4,53	4,53	1,38				
	Large swing-away inset 27mm per side		6,10	5,51	1,38				
	Large swing-away straight		6,10	5,51	1,38				
	Small Flexi-pad swing-away inset 27mm per side		7,28	4,33	1,97				
	Small Flexi-pad swing-away straight		7,28	4,33	1,97				
	Medium Flexi-pad swing-away inset 27mm per side		8,46	4,92	1,97				
	Medium Flexi-pad swing-away straight		8,46	4,92	1,97				
Large Flexi-pad swing-away inset 27mm per side		10,63	5,51	1,97					
Large Flexi-pad swing-away straight		10,63	5,51	1,97					
<b>08 - Tray</b>									
	Size 1	20,09	11,42	1,97					
	Size 2	21,26	12,60	1,97					
	Size 3 & 4	24,80	13,39	1,97					
	Bowl 2,5l					7,87	3,94		
<b>09 - Head rest</b>									
	Small Head rest 10"	9,45		5,51					
	Medium Head rest 14"	13,39		5,91					
<b>Shoulder protraction pads - Pad dimensions</b>									
	Small Shoulder protraction pads		5,23	5,23	1,38				
	Medium Shoulder protraction pads		6,10	5,51	1,38				