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Technical Data Overview

Maximum User Weight	275 lbs. (125 kg)	Motor Wheel Size	250W / 22Nm
Wheelchair Rear Wheel Sizes	24" (540) / 25" (559) / 26" (590)	Operating Voltage	36V
Device Weight (excluding battery)	13 lbs. (5.9 kg)	Maximum Motor Noise	50 db
Battery Weight (2.5Ah / 5Ah)	1.5 lbs. (0.7 kg) / 2.6 lbs. (1.2 kg)	Battery Type	Lithium-Ion 36V 2.5A / 5Ah
Battery Range (2.5Ah / 5Ah)	9.8 mi (15.7 km) / 19.5 mi (31.4 km)	Device Charger Type	100 - 240V AC, 36V - 2.7A
Maximum Speed	3.7 mph (6 kph) / 5.5 mph (9 kph)	Docking Charger	100 - 240V AC, 36V - 3A
Maximum Slope	6°	Control Box	IP54 Bluetooth
Motor Wheel Size	8" air-chambered solid tire	Bluetooth Standard	5.2

Base

☒ OPTION	DESCRIPTION	RETAIL
Empulse R90 Base		
☐ 209MW91	Empulse R90 Includes: Device Charger, Control Box, V-Lock Latch, Travel Bag	\$ 7,445.00
	☒ 2.5Ahr Battery	\$ 500.00
☐ 209MW92	Empulse R90 Range Includes: Device Charger, Control Box, V-Lock Latch, Travel Bag, 5.0Ahr Battery	\$ 7,445.00
	☒ 5.0Ahr Battery	\$ 655.00

Options and Accessories

Batteries are interchangeable and can be used with either package.

☐ 209AG42	Additional 2.5Ah Lithium-Ion Battery (9.8 mi, 15.7 km)	\$ 500.00
☐ 209AG39	Additional 5.0Ah Lithium-Ion Battery (19.5 mi, 31.4 km)	\$ 655.00
☐ 209BJ4	Docking Charger (3Ahr)	\$ 300.00

Maximum Speed

☐ 209S103	5.5 mph (9 kph)	STD
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Control Box

☐ 209QG13	Control Box Right Hand - Contains short and tall plate	NC
☐ 209QG14	Control Box Left Hand - Contains short and tall plate	NC

Wheelchair

Wheelchair Axle Range

Distance from ground to camber tube.

☐ 209WS6	24 Wheel Size (540 Wheels)	NC
☐ 209W22	25 Wheel Size (559 Wheels)	NC
☐ 209WS7	26 Wheel Size (590 Wheels)	NC

Wheelchair Type

Selection required. Specify type of wheelchair.

☐ 2099V47	Rigid Wheelchair	NC
☐ 2099V48	Folding Wheelchair	\$ 430.00

FRAME

✓

OPTION

DESCRIPTION

RETAIL

Rigid Frame: Camber Tube Diameter

\$

Select the Sunrise Quickie chair or select the diameter of the Camber Tube Size.

Sunrise Rigid Chairs

NC

Select Chair

☐ 2099V58 Nitrum
☐ 2099V79 5R
☐ 2099V59 QRI

Standard Clamp for Frame Camber Tube (1.26" or 32mm) - Select Insert Size below if Tube Diameter is less than 1.26" or 32mm

NC

Select following size:

☐ 209C1105 0.87" (22mm)
☐ 209C1106 0.98" (25mm)
☐ 209C1107 1.11" (28mm)
☐ 209C1108 1.18" (30mm)
☐ 209C1109 1.26" (32mm)

Large Clamp for Frame Camber Tube (1.77" or 45mm) - Select Insert Size below if Tube Diameter is less than 1.77" or 45mm

NC

Select following size:

☐ 209C1110 1.38" (35mm)
☐ 209C1111 1.50" (38mm)
☐ 209C1112 1.77" (45mm)

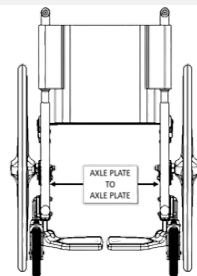
Folding Frame: Inside Axle Distance

\$

Select the distance from inside axle plate to inside axle plate.

☐ 209AX6 X-Small Interior Axle Distance (12" - 13" or 300mm - 330mm) NC
☐ 209AX7 Small Interior Axle Distance (13.1" - 15.9" or 331mm - 400mm) NC
☐ 209AX14 Medium Interior Axle Distance (16.0" - 18.0" or 401mm - 450mm) NC
☐ 209AX15 Large Interior Axle Distance (18.1" - 21.0" or 451mm - 530mm) NC

Axle Plate to Axle Plate Width (in)	Axle Plate to Axle Plate Width (mm)	Folding Axle Assy			
		X-Small	Small	Medium	Large
12.0 - 13.0	300 - 330	x			
13.1 - 15.9	331 - 400		x		
16.0 - 18.0	401 - 450			x	
18.1 - 21.0	451 - 530				x



Folding Frame: Axle Plate Size

\$

Select the Sunrise Quickie chair or select the size of the Axle plate.

Sunrise Folding Chairs

NC

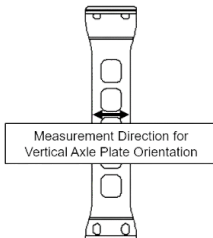
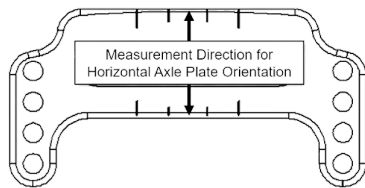
Select Chair

☐ 2099V78 Quickie 2 Lite
☐ 2099V10 Quickie 2 / Quickie 2 HP
☐ 2099V77 QX
☐ 2099V69 QS5X

Axle Plate Adapter

☐ 209AL30 Small Axle Plate (1.0" - 1.5" or 25mm - 38mm) NC
☐ 209AL31 Medium Axle Plate (1.6" - 2" or 39mm-50mm) NC
☐ 209AL72 Large Axle Plate (2.1" - 2.25" or 51mm-60mm) NC
☐ 2098A103 QS5X - Uses a unique adapter specific to its chair design. NC

Axle Plate Size (in)	Axle Plate Size (mm)	Axle Plate Adapter		
		Small	Medium	Large
1.0 - 1.5	25 - 38	x		
1.6 - 2.0	39 - 50		x	
2.1 - 2.25	51 - 60			x

Folding Frame: Options

\$

☐ 2098A84 Quickie 2 Lite Anti Tip Option - The R90 is not compatible with the stock Quickie 2 Lite Anti tips \$ 125.00

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