

NAVIONE™

Power Your Journey



Let the Journey Begin



Mobility without Limits

Equipped with two AC Servo motors and engineered with Yamaha's wheel-to-wheel communication for smooth and efficient operation.

12.5 or 25 miles on average conditions

Easy to Transport with quick release wheels

Modern Design

Nickel or Lithium-Ion Options

22" or 24" Wheels

Each wheel weighs about 15lbs



Uniquely Designed to Open Up a World of Extraordinary Experiences

Yamaha Performance

- Travel longer and farther with a battery range that averages over 12.5 miles for Nickel batteries and 25 miles for Lithium-Ion
- Can enable riders to travel more distance with more comfort and less effort

Smartune Software

- Key driving parameters can be customized to fit rider's needs including coasting distance, maximum speed, and input sensitivity

Confident Control

- Built-in control features include rollback prevention, downhill speed control, uphill ascent assist, and side slope stability control

Intuitive Agility

- Wheel-to-wheel communication allows for more precise control and operation
- Dual mode switch enables riders to change modes at the touch of a button

Sleek Style

- Sleek, modern design retains the look of a manual chair
- High quality performance tires



Product Options



Wheel Size

- 22" Wheels
- 24" Wheels



Handrim Type

- Stainless steel
- Plastic coated



Battery Type

- Lithium-Ion
- Nickel

Standard Kit Options

Model #	WHEEL SIZE		HAND RIM TYPE		BATTERY TYPE	
	22"	24"	Plastic	Stainless	Nickel	Lithium
S0101		X		X	X	
S0201		X	X		X	
S0301		X		X		X
S0401		X	X			X
R0100	X		X		X	

NAVIONE Specifications

NAVIONE Power Assist system			
Total System Weight (Excluding Battery Charger)			
NiMH ("Nickel")		38.6 lb (17.5kg)	
Li-ion ("Lithium")		40.8 lb (18.5kg)	
Maximum Load Capacity (Including rider, luggage, and frame weight)		286 lb (130kg)	
Steering System		Left & right wheel push-rim-activated steering	
Tire	Brand	Schwalbe® Marathon Plus	
	Size	24". 37-540 (24 x 1-3/8) 22". 37-501 (22 x 1-3/8)	
	Pressure	87-145 psi (800-1000 kPa; 6-10 kg-cm ²)	
Hand Rim Type		Plastic Coated or Stainless Steel	
Drive Motor (One AC servo motor in each wheel)		24 V 110 W x 2 (30 minutes rated output)	
Assisted Speed Range		0 - 3.73 mph (0-6km/h) (Software Controlled)	
Battery	Weight	Nickel	6.6 lb (2.9kg)
		Lithium	8.8 lb (4kg)
	Capacity	Nickel	1-24 V, 6.7 Ah (5 hr rate)
		Lithium	1-25 V, 11.8 Ah (5 hr rate)
Battery Charger Time for normal charging Method (Both Nickel & Lithium)		Nickel Approx 2.5-3 hr, Lithium Approx. 4.5 h Automatic, microprocessor controlled	
Assisted Travel Range ("Average conditions)		Nickel: 12.5 mi (20km) Lithium: 25 mi (40km)	
Wheel only weight		Each wheel 15.4lbs (7.0kg) for 24"	

Available Accessories

Spoke Guard – for additional protection of both rider and wheels



Yamaha Committed to Wheelchair Riders for over 20 Years

[Learn more at YamahaNAVI.com](http://YamahaNAVI.com)

