

# NAVIONE Spec Sheet

NAVIONE Power Assist Wheelchair Kit	
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 (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 <sup>2</sup> )
Hand Rim Type	Plastic Coated or Stainless Steel
Operational Control System	Microprocessor control (Smart Control System)
Software Control System	Smart Tune software by Yamaha Motor Co., Ltd.
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)
Hill-Climbing Ability	6°(Approx. 10% slope)
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	Nickel: Approx. 2.5 – 3 hr; Lithium: Approx. 4.5 hr
Weight	Nickel: 2.95 lb (1.34kg); Lithium: 3.37 lb (1.53kg)
Method (both Nickel & Lithium)	Automatic, microprocessor controlled
Assisted Travel Range ("average conditions")	Nickel: 12.5 mi (20km) Lithium: 25 mi (40km)
Component weights	Bracket 1.32 lb (0.6kg); Anti Tip 1.8 lb (0.82 kg); Wheels (pair) 30.86 lb (14.0 kg)