



Product Guide for Clinicians

Model M | Personal EV



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The Sleek, Versatile Model M

Maneuver with Confidence Indoors and Out

At WHILL, we believe that a diagnosis shouldn't define a person and their chair shouldn't either. We designed the FDA-cleared Model M to fit each individual, and their personal lifestyle. It offers a level of functional versatility that puts it in a class by itself; compact, powerful, precision handling, all-day range, stability especially over difficult terrains, and advanced features that enhance transfer functionality.



More Power Less Strain

A power option is optimal for those with very limited upper extremity strength, and for those currently using an ultra-light chair, for whom manual propulsion is sometimes difficult. For progressive conditions, a chair that can adjust and adapt to the need for increasing levels of support is essential. Model M's appealing design aesthetic can make transitioning to a power wheelchair less stigmatizing, and its small, compact frame and maneuverability will lessen the impact of the change on a user's physical environment. Because it can be customized, Model M can adjust to suit the needs of a wide range of users and their changing physical needs.

Modern Design Enhances a Positive Self Image

The Model M's innovative, open design provides better visual access to the user. Current users suggest an increased sense of positive visibility and approachability. Stemming from our automotive design heritage, the Model M is a truly unique personal electric vehicle that eliminates the bulk and stigma of traditional power chairs for both the user and those around them.



Model M

Manual Chair

Compact Size Reduces the Costs of Home and Work Remodels

Not much larger than most manual chairs, Model M has a compact frame in both width and length. Its small size combined with highly responsive, customizable controls, front Omni-wheels and 4WD offers maneuverability and agility that helps reduce the need for expensive and time consuming home or work structural modifications.

Seamlessly Goes from Indoors to Out

WHILL's patented front Omni-wheels are equally beneficial indoors and out. They allow the chair to rotate on its axis, maneuver in tight spaces, to climb and clear obstacles of up to 3 inches and to navigate uneven terrain, all while providing a smooth and comfortable ride. The Model M's patented front Omni-wheels are each made up of 24 independent multi-directional rollers that collectively form one large wheel, completely eliminating the need for problematic swiveling casters.





Tackle Everyday Obstacles with Comfort and Security

The world is filled with unavoidable obstacles. The Model M is ready to tackle them. Four powered wheels (4WD) make the Model M highly responsive and able to maneuver over rough surfaces and terrains such as low grass, packed sand and gravel as well as around tight corners and through small spaces. The independent suspension system significantly lessens uncomfortable vibrations and reduces the risk of developing spasticity, muscle spasms or pressure related injuries.

Improved Access for Transfers, Work and Social Interactions

Two unique features enable safer and easier transfers. The innovative power seat slide moves the seat forward as much as 5.9", and the arms easily rotate back and out of the way, creating a barrier-free position for transferring. The seat slide also improves reach and access while sitting at tables and desks. Users can slide forward, effectively scooting under a table or desk, increasing their reach and allowing for more functional positioning while dining or working.



Intuitive User Controls

Learning and adjusting to a power chair can be a daunting and time consuming task for users and clinicians. WHILL reduces the adjustment period through its intuitive and highly responsive directional and acceleration control system which can be adjusted to the user's specific needs. It is also ideal for users of varied levels of dexterity and strength. Anything from precise navigation within a small apartment, to quickly negotiating busy intersections or parking lots is enabled by a directional controller and three speed settings. Low speed for indoor use and a top speed of 5.5 mph for outside use.

Reducing Boundaries and Saving Time

Wheelchair mobility can lead to frequent, time-consuming challenges. Model M's range, speed and power allow users to quickly and easily commute between the home, office, and school. A 15-mile range and 10-degree incline/decline capability reduces boundaries and ensures users get where they need to go while helping them to conserve their energy for other tasks in their lives.



Transportability

Model M maneuvers easily into adapted vans, and fits into cramped spaces. The 4-point tie down system enables users to ride safely and securely while seated in the Model M, whether utilizing public or private transportation.

Reliability and Durability Users Can Count On

The Model M comes standard with a 5-year product warranty*. Additionally, it was engineered to be easily maintained and repaired; most components can be adjusted or replaced in minutes by a trained technician. And should the need ever arise, WHILL has authorized service technicians available across the country.

*1-year warranty on battery and tires

Customization and Adjustability



Directional Controllers

The Model M can be configured with the directional controller on the right or left arm. It comes standard with either the WHILL Mouse or Easy Grip controller, and is also compatible with a wide variety of other controllers including joysticks and U shaped controllers. Different shapes and sizes are useful when adapting the chair to varying levels of dexterity.



Back Support

To get just the right fit, Model M's back support allows for a high degree of adjustability in both angle and height. The bracket structure is compatible with four different support options, from the low to the deep support style, with all providing lateral contouring to maximize postural alignment.



Seat Cushion

The Model M's solid seat pan is compatible with most 16" wide seat cushions and has adjustable depths from 16-20". This allows the user to add the right seat cushion for their positioning and skin care needs.



Arm Supports

The Model M's arm supports are adjustable for both angle and height. They provide lateral support, position each hand in a comfortable, ergonomic position to access the controls and allow the user to rest the arms above the lap.



Pressure Relief Handles

The specially designed, cushioned handles enable a series of simple pressure relief movements to enhance circulation and reduce the risk of skin breakdown and pressure related injuries.



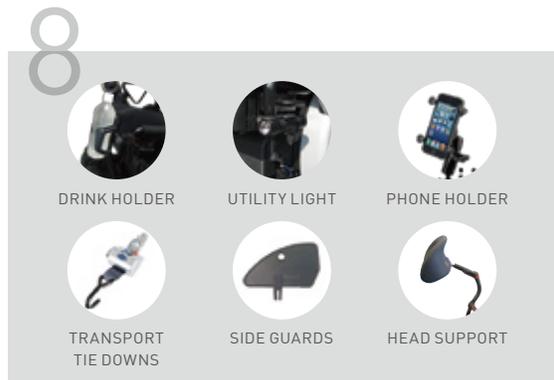
Lap Belts

A Bodypoint Evoflex® Pelvic Stabilizer comes standard with the Model M. It keeps its shape and stays where it belongs for maximum support, versatility, and ease of use. Additional stabilizing straps and belts can be added to the frame of the Model M for those requiring more support.



Four Point Tie Down

Model M's optional tie down points make it possible for the user to sit in the wheelchair while being transported in a vehicle. When used with appropriate tie downs and occupant restraint systems (not included), the Model M is compliant with RESNA WC-4 Section 19 (wheelchairs used as seats in motor vehicles) requirements.

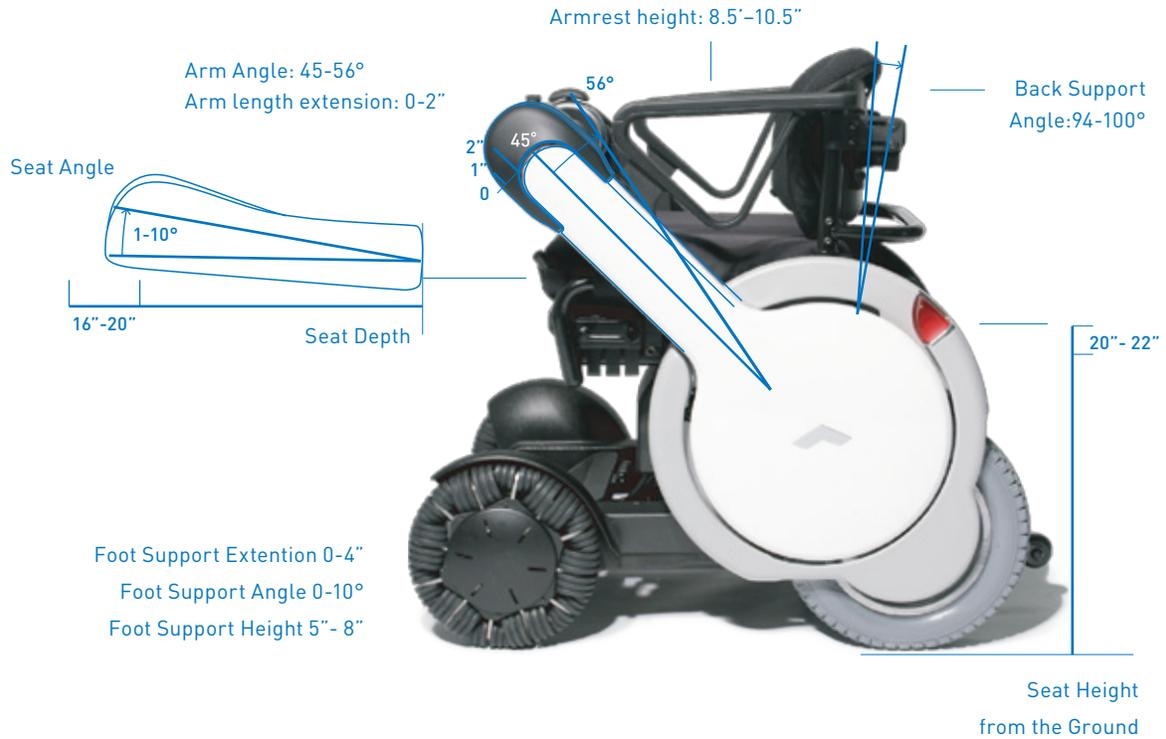


Additional Accessories for Storage, Drinks and Lights

A wide variety of accessories from various manufacturers are compatible with the Model M. Many other items can be selected to ensure that users have the set up that enables them to best accomplish their daily tasks with ease and efficiency.

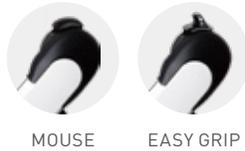
Fitting and Customization

With a wide degree of adjustability and ergonomically designed seating, as well as broad compatibility with accessories, the Model M can be customized and accessorized to meet the needs of a wide range of users.

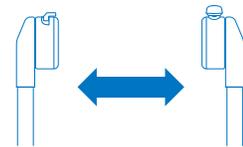


Controller Options

The simple, ergonomic controller comes in multiple shapes, making it appropriate for a variety of dexterity levels.

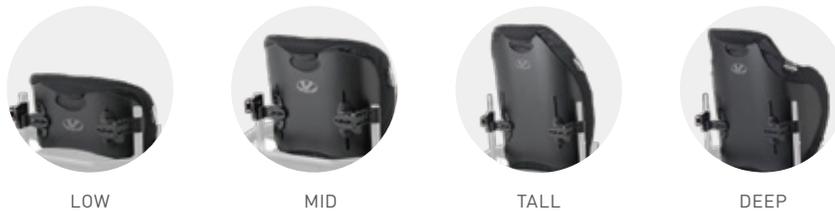


The directional controller can be configured on the right or left hand side.



Back Support Options

Select one of four back support options



Specifications

Driving Range (full battery charge)	15 miles
Maximum Speed	5.5 MPH
Speed Settings	Fast, Medium, Slow
Incline Capability	10 Degrees
Maximum Obstacle Height	3"
Chair Ground Clearance	3.5"
Drive System	4 Wheel Drive
Braking System	Electromagnetic Brakes
Batteries (2)	12V 50Ah
Overall length	43"
Overall width	23.7"
Seat Sliding Range	up to 5.9"
Turning Radius	28"
Total Weight (including batteries)	255lb
Compatible Back Supports	VARILITE Icon back system - Low, Mid, Tall, Deep
Compatible Seat Cushions	16" wide, from 16" to 20" deep
Effective seat width	16"
Maximum Weight Capacity	220lb
User height	4'0" - 6'2"
Operating Conditions	-13 to 122 degrees F
Storage Conditions	-40 to 149 degrees F



WHILL

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CAUTION: Federal law restricts this device to sale by or on the order of a physician

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