Air Active

Product Overview

Product Details

Environment

Can be used in both **indoor** and **outdoor** environments, where appropriate.

The AirActive Boot Scooter can be used on flat, even path surfaces, however the user should avoid grass, gravel, gradients greater than 6° and motorised roads.

Intended User

intended for a single user of weight up to **120kg (18.9st).**

The intended user group for this device is any mobility restricted individual that requires assistance with transport.

Product Overview

Designed to provide a **comfortable** and **secure** solution for users who have mobility restrictions.

The product is a **class A scooter** (under EN 12184:2014), class I medical device and **class 2 Mobility Scooter**.

Parts Identification

Features, Specification and Dimensions

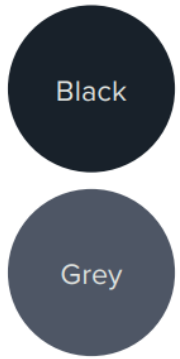
Additional Features

The Air Active offers adjustable comfort with features such as tiller adjustment, armrest width adjustment, seat rotation, and seat height adjustment, ensuring a tailored experience for every user. A supportive, padded, and contoured seat provides comfort for both indoor and outdoor rides. Advanced safety technology enhances stability, enables quicker stopping distances, and includes a wider front wheelbase for improved control. Additionally, the off-board charging option allows the battery to be charged separately, while a convenient USB port enables charging for small devices on the go.

Specification

Height: 96cm (38")
Width: 52cm (20.5")
Length: 112cm (44")
Max User Weight: 120kg (18.9st)
Ground Clearance: 4.8cm (1.9")
Turning Radius: 135cm (53")
Batteries: 1x 24V 12Ah Lithium-ion
Battery Weight: 2.75kg (6lbs)
Seat Weight: 6.45kg (14lbs)
Total Product Weight: 26kg

Colours:



Dimensions:

- Scooter: 1120mm (L) (990mm exc. basket) x 500mm (W) x 900mm (H)
- Scooter folded: 990mm (L) x 500mm (W) x 410mm (H) *(would be 340mm H if tiller unlocked)*
- Seat: 390mm (D) x 440mm (W) x 470 – 510mm (H)
- Arms: 680 – 720mm (H), 530mm (W – outer), 440mm (W – between arms)
- Footwell: 110mm (H)
- Car boot height: 720mm maximum (H – armrests)
- Basket: 220mm (D) x 260mm (W) x 220mm (H)
- Battery pack: 190mm (D) x 300mm (W) x 100mm (H)
- Ground clearance: 60mm (mid), 50mm (motor), 25mm anti-tip wheels
- Wheels: 190x54mm (rear), 150x38mm (front)
- Weight: 26.7g total (14.8kg scooter, 6.6kg seat, 4.1kg battery, 0.7kg post, 0.5kg basket)

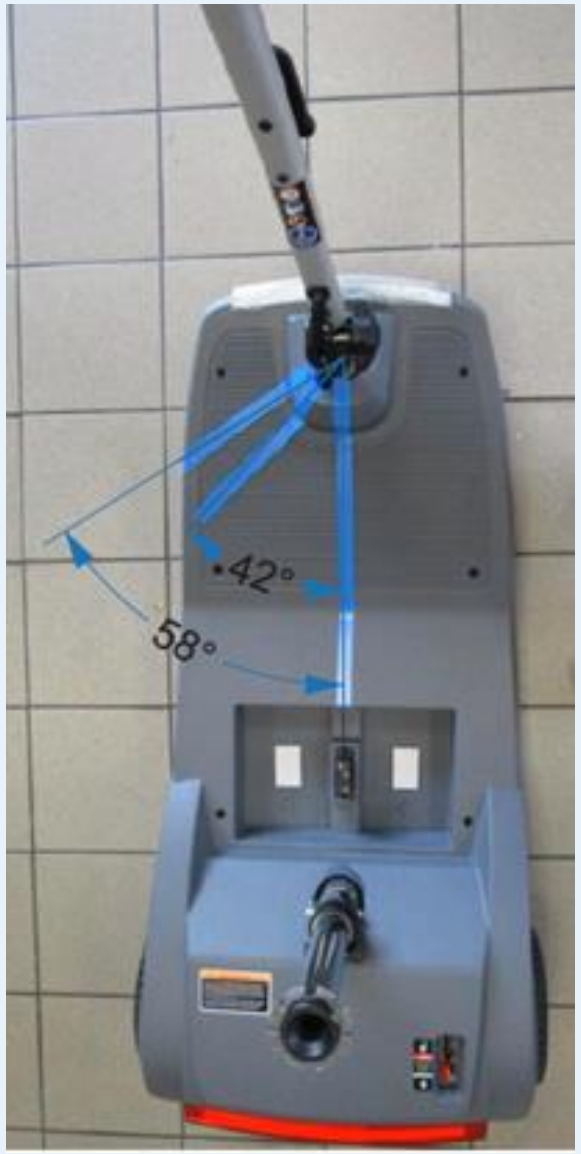
Specification:

- Aluminium frame and tiller, with steel tiller adjustment knuckle and steering components.
- Steel swivel seat, arm rests and seat post. No facility to fit accessories on plate (not required).
- Arms are removable, width and angle adjustable.
- 8 LED power gauge (2 red, 3 amber and 3 green), key ignition and horn, front light switch and speed dial.
- Tiller is T-bar shape and has thumb operated wigwag paddle.
- USD power supply ports on tiller and battery pack
- Front LED headlight and rear LED parking brake.
- Controller and motor type to be confirmed.
- Seat post 4 settings (only top 2 of which are accessible).
- 250W 24V brushless motor and transaxle.

Enhanced Safety Features

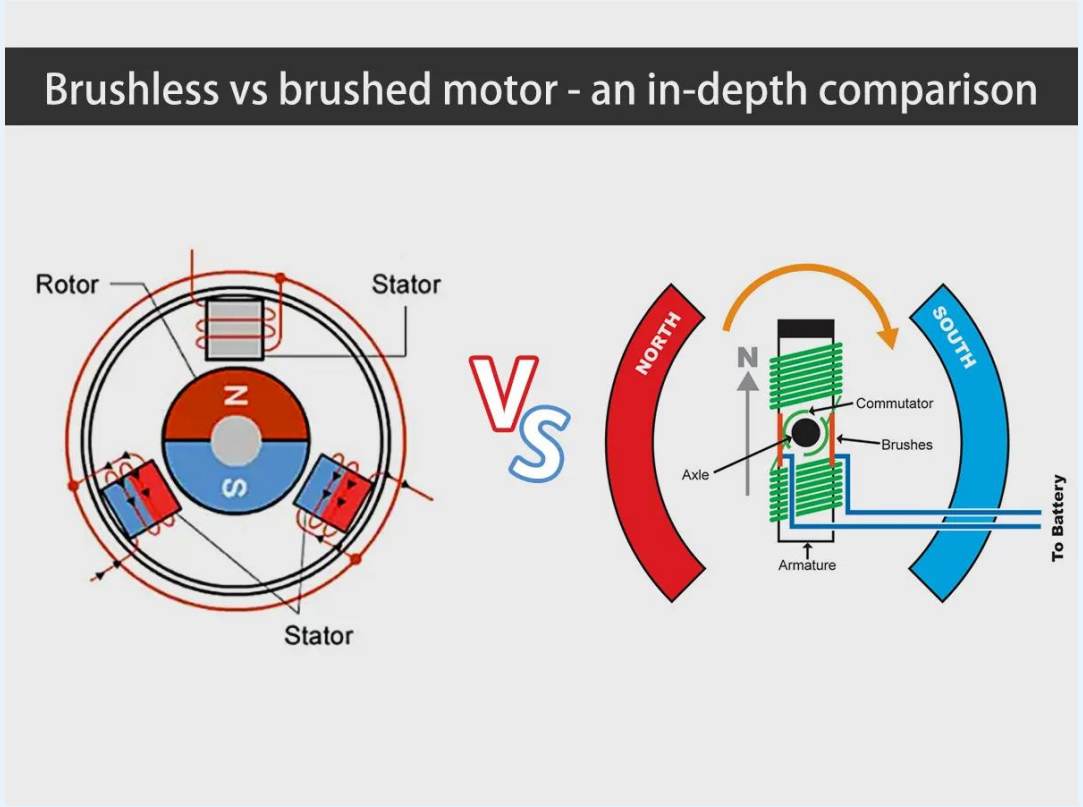
Speed sensor and plate have been implemented.

To reduce the speed of the scooter when turning and prevent tipping, the scooter has an increased turning radius and a speed sensor to slow down when turning. The controller braking parameters have also been adjusted to reduce the risk of tipping.



Brushless Motor

- Brushless motors are generally better than regular motors for mobility scooters because they are more **efficient, reliable, and require less maintenance**:
- **Longevity**: Brushless motors don't have brushes that wear out, so they last longer and require less maintenance.
- **Efficiency**: Brushless motors are more efficient than regular motors.
- **Reliability:** Brushless motors are more reliable than regular motors.
- **Performance**: Brushless motors perform better on hills because of their high power and torque.
- **Noise:** Brushless motors are quieter than regular motors.
- **Overheating**: Brushless motors don't overheat as easily as regular motors.
- Brushless motors are also known as BLDC motors, which stands for Brushless DC Motors. They are the newer technology.



Regulatory Requirements

- EN 12184 test report.
- MSDS for battery
- Test report for charger
- Battery
- UK and EU Declaration of Conformity
- EU registration DIMDI
- EU Rep approved
- UKRP Completed
- MHRA Registration
- REACH declaration of conformity Completed

- Batteries: IEC 62133-2 Test Report - 24V 12Ah Lithium Ion Battery (17-12-23) Completed
- Biocompatibility reports: ISO-10993-5, ISO 10993-10, ISO 10993-23 (PU, PVC, TRP) Approved and Completed
- Chargers, EMC, EN 60335-2-9 Test report, IP54 Test report, ISO7179-25 Test report, all approved and completed
- Flammability BS EN 1021 – 1 & 2 Approved and Completed
- IEC 60034-1 Test report 24V 10.4 DC motor Approved and Completed
- Drop test Report: Factory Supplied
- RoHS declaration of conformity Completed

Safety Labels

5. Warning Label – Finger Trap (x2)

Label Size: 16 x 40mm
A label to be stuck onto both armrests.

2. Warning Label - Drive/Freewheel

Label Size: 59 x 20mm
Drive/Freewheel Label to be stuck onto the rear housing, next to the freewheel lever.

3. Warning Label – No seat in a motor vehicle

Label Size: 54.9 x 18.1mm
Label to be stuck onto the seat post holder.

6. Warning Label – Anti-tip Wheel (x2)

Label size: 32 x 19mm
A label to be stuck onto the bracket, next to each anti-tip wheel.

4. Warning Label – Tiller

Label Size: 31.75 x 72.39mm
Label to be stuck onto the back of the tiller.

Safety Labels

24V 12Ah (288Wh) LI-ION (LITHIUM) BATTERY

Part #: B042686

Only use with Li-ion (Lithium) battery chargers.

Only use chargers with voltage output 24V - 29.4V, and current output up to 3A. Do not exceed.

Always unplug and switch off after charging is complete.

Refer to user manual for further guidance.

Risk of fire and injury if instructions not followed.

8. Battery Charger Label (1)

Label Size: 64 x 40mm. Label Colour: Yellow
Label to be stuck onto the top face of the changer.

File Name: Warming Labels – Battery Charger (8-5-24)

24V 2A CHARGER FOR LI-ION (LITHIUM) BATTERIES

Only use on 24V systems
Only use to charge Li-ion (Lithium) batteries
Do not charge batteries with a capacity less than 5Ah
Always unplug and switch off after charging is complete
Refer to user manual for further guidance
Risk of fire and injury if instructions not followed

9. Battery Charger Label (2)

Label Size: 120 x 17.5mm. Label Colour: Yellow
Label to be stuck around the cable, next to the charging plug.

File Name: Warming Labels – Battery Charger (8-5-24)

24V 2A CHARGER FOR LI-ION (LITHIUM) BATTERIES

Only use on 24V systems.
Only use to charge Li-ion (Lithium) batteries.
Do not charge batteries with a capacity less than 5Ah.
Always unplug and switch off after charging is complete.
Refer to user manual for further guidance.
Risk of fire and injury if instructions not followed.

File Name: Battery Label (8-5-24)

⚠ WARNING

Do NOT short circuit the battery terminals.
Do NOT incinerate.
Do NOT attempt to disassemble the battery.

CE Made in China

Air Active