

Empulse F55

Power Add on Bike for
Everybody, Everyday & Everywhere

Empulse

Power Add-on Bike



Empulse F55
8.5" Drive Wheel



Empulse F55
14" Drive Wheel



Empulse

Don't you love acting on an impulse? The thrill of a spontaneous trip without having to care about the strain a wheelchair places on your body? For over 40 years, we've worked with wheelchair users and carers around the world to design wheelchairs and understand the physical effort it places on your daily life.

That's why we created **EMPULSE** – power add-ons for wheelchairs that give you the freedom and confidence to do more. More distance. More speed. More time to enjoy those impulsive moments. Simple to use and packed with useful features, EMPULSE not only helps you move through the world in a sustainable way, it also fits as easily onto your wheelchair as it will into your daily life - so you're always ready to go at a moments notice.

So, where will your EMPULSE take you?

EVERYBODY. EVERYDAY. EVERYWHERE.

How many times have you self-propelled your wheelchair today? Probably too many to remember, but your body will remember every single push. That's because with every journey you take, you place additional strain on your muscles and joints. Are you feeling more drained of energy than when you first started using your chair?

If the answer is YES! The Empulse F55 has been designed with exactly YOU in mind. Our new Power Add-on Bike is the perfect accessory to assist you to go wherever you want to go, when you want to go; while reducing the strain and effort on your body.

By not being permanently mounted on to the front of your chair the Empulse F55, doesn't compromise your function or mobility, it's easy to fit and highly intuitive to drive. Designed to work alongside your everyday activities whether at home, visiting friends, in the office, shopping or simply or out and about.

Fitting neatly onto your chair and into your life, designed to fit everybody with plenty of built in adjustment to give you the independence and freedom to self-propel throughout the day, yet still providing you with extra support as and when you need it. So you can still walk your dog or enjoy some time out with the kids; making the Empulse F55 the perfect power add-on companion for you.



TAKING YOU EVERYWHERE IN YOUR EVERYDAY.

It's all about where YOU want to go. Highly compact, the F55 will tightly manoeuvre around those busy indoor environments. Loaded with the speed, power and range, you can alternatively conquer the great outdoors without even breaking a sweat.



Arrive on time everytime

Three adjustable speed settings of 3, 6 & 9mph make the F55 ideal for indoors and out. Choose your speed for maximum control and safety, whether it's nipping to the shops, going out for a ride with the family or walking the dog, the F55 is the ideal companion.

Getting you there and back

The range to get you wherever you want to go, with its Lithium Ion battery the Empulse F55 delivers a range of 25km (15.5 miles), making it the perfect add on to take you to the office to reduce the strain on your shoulders on those longer journeys.

Take the short cuts

The Empulse F55 takes the worry out of the journey allowing you to travel how and where you want to for your everyday use, using optimised traction and performance through battery position, motor power (400 W), wheel size and bike set up.



YOUR EVERYDAY COMPANION, INDOORS OR OUT.



Optimised indoor or outdoor performance

Available in either an 8.5" wheel for the best indoor manoeuvrability or a 14" for optimised outdoor performance. Mounting on the front of the chair the F55 steering can turn 90° for easier indoor manoeuvrability.

Easy car transfers with a flip-up sub frame

With a dismantled weight of just 9kg the F55 can be easily lifted and stored in the boot of small cars. With the ability to flip-up the sub frame the F55 becomes an ultra-compact package for easy handling and stowing. Ideal for trips out with family or friends, or taking on holiday.

The holiday companion

Approved for transportation on aeroplanes and ships allowing you to use your F55 both at home and on your holidays. Saving your energy for the activities that you want to do!



SIMPLY CLIP & GO.

Maintain your freedom and independence throughout the day to self propel; but for those long journeys, or as you tire throughout the day the F55 can be easily and independently docked on to your chair thanks to its front mounting.



Castors Lifted off the Ground

The Empulse F55 is an ideal add on device due to lifting the castors off the ground. This protects your chair and reduces excess strain which alternative add on devices put through the castors and castor forks.



1.

Step 1 - Lift and bring the F55 powerbike subframe arms in to the tapered receivers

Tapered frame receivers

With a tapered front-end, the receivers are easy to fit the sub frame arms into, as this design gently guides it in.



2.

Step 2 - Tighten the receiver screws and flip down the securing clips



3.

Step 3 - Turn the locking pin and with either one or two hands push the bike up until you hear a click

Light lift and lock design

Once docked the F55 is light to push up, lifting the front castors off the ground. Ideal even with limited strength.



4.

Step 4 - Lift the clamp to remove the play between the bike and the chair for a smoother ride

Be Secured

The lift clamp is designed to reduce the play that exists between a chair and an add-on device, meaning you can feel safe and secure in your F55.



5.

Step 5 - Once mounted simply turn the F55 on and off you go!

INTUITIVE DRIVE CONTROLS.

Complete with a very high specification as standard, the F55's range of controls are here to make your driving experience as easy as possible.



Personalise the fender and sidebars easily with our four standard colour kits.

1. Clear LCD Display - With this clean display you can easily monitor your speed, range or battery level whether in the day or driving at night

2. Throttle Control - Simply press to go! Easily adjust your speed by changing the pressure on the trigger to provide precise control in tighter environments

3. Forward & Reverse Control - Get yourself out of any situation by switching between forward or reverse making your manoeuvres hassle free

4. Cruise Control - Going on a long journey? Why not put on the cruise control to maintain your speed and give yourself a rest

5. Smooth Braking - Choose between a traditional disk brake for a quick stop or, our NEW electronic brake which brings you to a stop smoothly with complete control

6. Bright LED Light - Take your F55 out in the evenings and see clearly with its integrated LED light



DESIGNED TO FIT EVERY BODY.

Empulse F55 can fit a whole range of wheelchair makes and models. Whether you have a rigid or folding frame, fixed front or swing away model the F55 can be perfectly set up to your chair and to your requirements.

Mount to nearly every wheelchair

Developed to be mounted quickly and simply to most chairs. It's range of frame clamps are also specifically designed and tested with certain models to maintain both the power bike and chair warranty allowing you to ride with your mind at rest.

Empulse F55 Clamps & Chair Comptability Agreements

- Round clamp (19.5, 23, 25, 28.6 & 30mm diameter) - QUICKIE Neon², QUICKIE Argon² and QUICKIE Life Family
- Oval clamp - QUICKIE Xenon² FF, QUICKIE Nitrum or QUICKIE Helium
- Xenon² Swing Away clamp
- Oval clamp - Progeo Joker, Progeo Ego & Progeo Tekna
- Round clamp (35mm diameter) - Ki Mobility Rogue



Empulse F55 Swing Away Model

Designed to fit swing away chairs, both the subframe bars and handle bar neck are longer allowing the F55 to sit closer to you for a more comfortable ride.



Empulse F55 Fixed Front Model

Shorter subframe bars and a handle bar neck allows the F55 to sit perfectly on a fixed front chair for optimal traction and enabling a more comfortable fit for you.

Designed to fit you.

Empulse F55 is one of the most adjustable add-on bikes available. With a wide range of adjustments the F55 can be set up to not just fit your chair but fit you!

- 1 Front Frame Widths: 260 - 480 mm
- 2 Handle Bar Stem Height: 0 - 150 mm
- 3 Handle Bar Angle: 0° - 70° (Quick release)
- 4 Sub Frame Length: 30cm (Fixed Front)/ 45cm (Swing Away)
- 5 Battery Height (Optimise Traction)
- 6 Steer Dampening (Optimise Control)
- 7 Frame Clamp Angle & Height





WHICH WHEEL SIZE WILL YOU CHOOSE?

Now that you've read all about the EMPULSE F55's indoor and outdoor features, the difficult option is now deciding which drive wheel to choose. Decisions, decisions!



F55 - 8.5" Wheel



F55 - 14" Wheel

Superior indoor manoeuvrability

Fitted with a 8.5" solid drive wheel this smaller front wheel allows it to have a compact turning circle for improved indoor manoeuvrability and makes it easier to transfer into the boot and store. This F55 may be small in size, but it still boasts great capabilities both indoor and outdoor in urban terrains.



8.5" Drive wheels and provide a shorter base length for a tighter turning circle.



Lighter than the 14" and more compact for easier transportation in vehicles.



Greater outdoor performance and Tilt

Do you want a power add-on bike to get around the office but also able to ride there? This F55 has a small footprint to navigate indoor environments combined with the traction, power and ride comfort to get you there! Even while taking shortcuts through the parks and canals, the 14" Empulse F55 is a power add-on bike for urban outdoor terrains.



Larger 14" drive wheels better traction and handling of outdoor terrain.



Pneumatic wheels for increased grip and greater ride comfort.



TECHNICAL DATA OVERVIEW

| | | | |
|---|--|---|---|
| Operating Voltage | 36 Volt | Battery weight | 2 kg |
| Range of action | 25 km max. | Total weight w/o battery & Sub Frame | 9 kg |
| Climbing power | up to 11% (6°) | Total weight w/o battery | 11 kg |
| Front frame width | 260 – 480 mm ⁽¹⁾ | Total weight with battery | From 13 kg |
| Max. user weight | 110 kg | Battery type | Lithium-ion, 36V, 8.1 Ah |
| Max. speed forward | 6 kph, 10 kph or 15 kph | Frame Colour | black |
| Brake type | Twin-brake system: mechanical disc-brake and separate electric brake | Colour accents (included in delivery) | black, red, blue, orange (black mounted as default) |
| Wheelchair & Frame Type Compatible | Rigid Frame & Folding Frames / Fixed Front or Swing Away | Wheel size | 8,5" air-chambered solid-tyre / 14" pneumatic tyre |

Now you've read all about the EMPULSE F55, we think it's about time for you to experience it for yourself.

In line with our policy of continual product improvement, Sunrise Medical reserves the right to make changes at any time, and without notice. For the latest information, please visit www.sunrisemedical.co.uk

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