



GE HealthCare

eBike

Ergometers



eBike III Basic & eBike III Comfort

The GE HealthCare eBike III ergometers have been designed with the patient in mind. The ergonomic design offers a step-through passage allowing for easy mounting and dismounting, even for those with restricted movement, and a seating position that is optimal for almost all body sizes. The robust mechanical construction ensures reliable function even when in constant use.

eBike III's sleek design accommodates patients up to 160 kg on the Basic and 200 kgs on the Comfort. The eBike III is designed to be controlled via a GE HealthCare stress system.

The eBike III Comfort is equipped with a motorized saddle adjustment to further assist with mounting and dismounting. Optional blood pressure measurement with microphone signal strength indicator can be added to the configuration.

● Standard ○ Optional — Not available

eBike III Comfort [and eBike III Basic]

Drive unit

| | |
|--------------------------|---|
| Brake system | Computer-controlled eddy current brake with torque measurement |
| Load | 6-999 watts, speed (RPM)-independent |
| Accuracy | Complies with DIN VDE 0750-0238 |
| RPM range | 30-130 RPM |
| Patient height range | 120-210 cm (47-83 in approx.) |
| Patient weight | eBike III Comfort — 200 kg (441 lbs) max. eBike III Basic — 160 kg (353 lbs) max. |
| Handlebars adjustment | Handlebar angle adjustment tilt thru 360°. Rigid steering column |
| Saddle height adjustment | eBike III Comfort — electrical adjustment of the saddle height with digital indication of the current saddle height eBike III Basic — manual adjustment (standard) |

Operating unit

| | |
|---------------------------------------|---|
| Display | LCD 93 x 70 mm (approx. 4 x 3 in) |
| Patient display | Revolution per minute |
| Keyboard | Membrane keys |
| Display values (during exercise test) | Load (watts), duration (min), speed (RPM), most recent blood pressure and heart rate during blood pressure test |
| Blood pressure | <input type="radio"/> Automatic blood-pressure with microphone signal strength indicator |
| Operation modes | Controlled by GE stress applications |

Interfaces

| | |
|--|----------------------------------|
| Digital RS-232 interface (CASE™ and CardioSoft™) | <input checked="" type="radio"/> |
| USB interface (CardioSoft) | <input checked="" type="radio"/> |
| Analogue interface option (target load) | <input type="radio"/> |

Other details

| | |
|-------------------|--|
| Dimensions | Width 490 mm (approx. 19 in), Handlebar approx. 530 mm (21 in) Length 1030 mm (approx. 41 in) Height 1140 to 1400 mm (approx. 45 to 55 in) |
| Weight | eBike III Comfort — approx. 69 kg (152 lbs) eBike III Basic — approx. 61 kg (134 lbs) |
| Power supply | 100 to 240 V, 50 to 60 Hz |
| Power consumption | Max. 100 VA |

● Standard ○ Optional — Not available

eBike III Comfort [and eBike III Basic]

Environmental and Safety

| | |
|-----------------------------|--|
| Safety standards | DIN EN 60601-1, DIN EN 60601-1-2, DIN VDE 0750-238 |
| Protection class | Class II |
| Applied part classification | Ergometer Type B, blood pressure module Type BF |
| MDD classification | Class IIa to 93/42 EEC |
| RF emission | Class B to DIN EN 55011 / 5.0. DIN EN 60601-1-2 |
| Environment | Operation: Temperature: +10 to +40 °C (50 to 104 °F) Rel. humidity: 30 to 75%, no condensation Atmospheric pressure: 800 to 1060 hPa |

Blood pressure module (optional)

| | |
|-------------------------------------|---|
| Measuring method | Auscultatory method (Korotokov) |
| Measuring range | Systolic pressure: 40 to 280 mmHg Diastolic pressure: 40 to 280 mmHg Pulse rate: 35 to 230 bpm |
| Measurement error | Systolic pressure: +/- 3 mmHg Diastolic pressure: +/- 3 mmHg (temperature: +15 to +25 °C (59 to 77 °F)) |
| Standard deviation (clinical trial) | Systolic/diastolic pressure: 7 mmHg (max.) |
| Inflation pressure | 300 mmHg max.; during inflation the inflation pressure automatically adapts to patient's BP |
| Inflation rate | Between approx. 6 seconds (to 140 mmHg) and approx. 18 seconds (to 300 mmHg) |
| Max. cuff pressure | 300 mmHg |
| Cuff deflation method | Pulse-dependent deflation rate approx. 3 mmHg/beat or approx. 3 mmHg/s |
| Calibration | Calibration with external pressure meter |
| Artifact rejection | Automatic artifact rejection |

GE HealthCare
 9900 Innovation Drive
 Wauwatosa, WI 53226
 U.S.A.

www.gehealthcare.com

† Availability of Automatic Blood Pressure Module varies by country. Contact your local GE Healthcare representative for more information.

†† Additional parts required (saddle and pedals).

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Manufactured by:
 Ergoline GmbH
 Lindenstr. 5
 72475 Bitz
 GERMANY