



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	○ Automatic blood-pressure with microphone signal strength indicator
Operation modes	Controlled by GE stress applications

Interfaces

Digital RS-232 interface (CASE™ and CardioSoft™)	●
USB interface (CardioSoft)	●
Analogue interface option (target load)	○

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