

eBike

Ergometers

by anandic⁺



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

eBike II Basic

This ergometer features a robust design accommodating patients up to 160 kg (approx. 353 lbs). It is equipped with manually adjustable saddle and handle bar height. The eBike II Basic is controlled via a GE stress system or can run independently utilizing one of the 5 pre-configured protocols or the 10 user configurable ones. Optional blood pressure measurement can be added to the configuration.

eBike III Comfort

eBike III's sleek design accommodates patients up to 200 kgs (approx. 441 lbs). Its extra low step through frame and motorized saddle adjustment assists with mounting and dismounting. The eBike III comfort is designed to be controlled via a GE Healthcare stress system. Optional blood pressure measurement with microphone signal strength indicator can be added to the configuration.

- Standard
- Optional
- Not available

	eBike II Basic	eBike III Comfort
Drive unit		
Break system	Computer-controlled eddy current brake with torque measurement	Computer-controlled eddy current brake with torque measurement
Load	6-999 watts, speed (RPM)-independent	6-999 watts, speed (RPM)-independent
Accuracy	Complies with DIN VDE 0750-0238	Complies with DIN VDE 0750-0238
RPM range	30-130 RPM	30-130 RPM
Patient height range	120-210 cm (47-83 in approx.)	120-210 cm (47-83 in approx.)
Patient weight	160 kg (353 lbs) max.	200 kg (441 lbs) max.
Pediatric height and weight	Minimum 110 cm, 60 kg (approx. 43 in, 132 lbs)	Minimum 110 cm, 60 kg (approx. 43 in, 132 lbs)
Digital display of saddle height	—	●
Handlebars adjustment	Handlebar angle adjustment tilt thru 360°. Rigid steering column	Handlebar angle adjustment tilt thru 360°. Rigid steering column
Saddle height adjustment	Continuous mechanical	Motorized continuous adjustment
Operating unit		
Display	LCD 68 x 34 mm (approx. 3 x 1 inches)	LCD 93 x 70 mm (approx. 4 x 3 inches)
Patient display	RPM (LED)	RPM, saddle height (LED)
Keyboard	Membrane keys	Membrane keys
Display values (during exercise test)	Load (watts), duration (min), speed (RPM), most recent blood pressure and heart rate during blood pressure test	Load (watts), duration (min), speed (RPM), most recent blood pressure and heart rate during blood pressure test
Blood pressure	Automatic blood-pressure (optional)	Automatic blood-pressure (optional) with microphone signal strength indicator
Operation modes	Independent or controlled by GE stress applications	Controlled by GE stress applications
Interfaces		
Digital RS-232 interface (CASE™ and CardioSoft™)	●	●
USB interface (CardioSoft)	●	●
Analogue interface option (target load)	○	○
Remote start output (start pulse for ECG)	●	●

	eBike II Basic	eBike III Comfort
Other details		
Dimensions	Width 460 mm (approx. 18 in), Handlebar approx. 575 mm (23 in) Length 900 mm (approx. 35 in) Height 900 to 1350 mm (approx. 35 to 53 in)	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	Approx. 61 kg (134 lbs)	Approx. 69 kg (152 lbs)
Power supply	100 to 240 V, 50 to 60 Hz	100 to 240 V, 50 to 60 Hz
Power consumption	100 VA max	60 VA or 90 VA max
Environmental and Safety		
Safety standards	DIN EN 60601-1, DIN EN 60601-1-2, DIN VDE 0750-238	DIN EN 60601-1, DIN EN 60601-1-2, DIN VDE 0750-238
Protection class/degree of protection	Protection class II. B (ergometer). BF (blood pressure module)	Protection class II. B (ergometer). BF (blood pressure module)
MDD classification	Class IIa to 93/42 EEC	Class IIa to 93/42 EEC
RF emission	Class B to DIN EN 55011 / 5.0. DIN EN 60601-1-2	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	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 (Korotkov), oscillometric; for resting BP, the results from both measurements are compared for plausibility	Auscultatory method (Korotkov), oscillometric; for resting BP, the results from both measurements are compared for plausibility
Measuring range	Systolic pressure: 40 to 300 mmHg Diastolic pressure: 40 to 300 mmHg Pulse rate: 35 to 230 bpm	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))	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.)	Systolic/diastolic pressure: 7 mmHg (max.)
Inflation pressure	300 mmHg max.; during inflation the inflation pressure automatically adapts to patient's BP	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)	Between approx. 6 seconds (to 140 mmHg) and approx. 18 seconds (to 300 mmHg)

	eBike II Basic	eBike III Comfort
Blood pressure module (optional, continued)		
Max. cuff pressure	300 mmHg	300 mmHg
Cuff deflation method	Pulse-dependent deflation rate approx. 3 mmHg/beat or approx. 3 mmHg/s	Pulse-dependent deflation rate approx. 3 mmHg/beat or approx. 3 mmHg/s
Calibration	Calibration with external pressure meter	Calibration with external pressure meter
Artifact rejection	Automatic artifact rejection	Automatic artifact rejection



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* 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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