



LE 100CE to 720CE

Treadmill Ergometer Series



The Treadmill Ergometer Series LE 100 - 720CE is known for quality and longevity, made in Germany and complies with the strict demands in medical safety and quality.

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|----------------------|--|
| VERSATILITY | - applications range from exercise rehabilitation to high performance testing. |
| SAFETY | - designed to ensure the utmost safety of patients. |
| COMPATIBILITY | - interfaces for ergospirometer/ECG or stand-alone modes. |
| ATHLETIC | - speeds of up to 80 km/h and elevations of up to $\pm 35\%$. |



The right treadmill for your demands

- Deck sizes from 150 cm x 50 cm to 300 cm x 125 cm (L x W)
- Speed from 0 km/h to 80 km/h
- Elevation from -35% to +35%
- Compatible with walking, cycling and wheelchairs

Treadmill ergometers custom-made for your requirements

With an emphasis on patient safety, the **Treadmill Ergometer Series LE 100 - 720CE** offers a wide range of versatile ergometers to match your specific requirements.

Various add-ons targeting safety and performance are available to suit all types of applications. Many add-ons can be retrofitted to your treadmill.

LE200CE

The classic treadmill for performing cardiopulmonary exercise physiology tests in the least amount of room of the LE series. The optional user terminal allows you to use the ergometer independently from the ergospirometer/ECG.

- running deck: 150 cm x 50 cm (L x W)
- speed: 0 - 22 km/h; optional 0 - 30 km/h
- elevation: 0 - 25%; LE 100CE is structurally identical to LE 200CE except elevation

LE 300CE

The comfortable treadmill with a larger running deck is suitable for anyone who needs more space or anyone who wants to offer their patient/athlete that little bit more. The 5 mm thick, reinforced studded belt profile provides outstanding running comfort. The user terminal is standard for this model.

- running deck: 170 cm x 65 cm (L x W)
- speed: 0 - 22 km/h; optional 0 - 30 km/h or 0 - 40 km/h
- elevation: 0 - 25%; LE 250CE is structurally identical to LE 300CE except elevation

LE 500CE

The fast treadmill for athletes. The treadmill LE 500CE is equipped with the same functions as the LE 300CE, however, the standard top speed is 40 km/h and the treadmill comes with a reverse belt rotation for downhill running.

- running deck: 170 cm x 65 cm (L x W)
- speed: 0 - 40 km/h
- elevation: -25% - +25%

LE 580CE to LE 720CE

The high-speed oversize treadmills for fulfilling the highest demands in high-performance testing. Decks with a running surface of up to 300 cm x 125 cm (L x W) permit the performance of all types of sports. Cyclists can cycle at a top speed of 80 km/h on individually customized treadmills; customization for wheelchairs and running are available as well.

- running deck: from 200 cm x 75 cm up to 300 cm x 125 cm (L x W); depending on type
- speed: 0 - 40 km/h; optional 0 - 50 km/h, 0 - 60 km/h, or 0 - 80 km/h
- elevation: -27% - +27% and -35% - +35%; depending on type

Safety first

Your patient's safety is of the utmost importance to us.

- For safety reasons, every treadmill is equipped with an emergency stop button.
- Fall stop with a magnetic switch is included as an additional emergency stop.
- The optional safety arch with chest belt and fall stop ensures the utmost safety of patients*.

In case a patient using the safety arch trips, the treadmill stops immediately, preventing the patient from falling off the treadmill. This gives the patient a sense of security, which can lead to a better performance.

The chest belt is available in five sizes.

*As a safety precaution, the safety arch is mandatory when testing children and for the R models with downhill running. Due to the high speeds that can be accomplished on the model LE 500CE, we recommend using the safety arch as well.



Especially for children the optional handrails adjustable in height and width offer best possible safety in therapy and exercise.



Optional arm support for LE 100 - LE 500CE

The patented arm supports are adjustable for height and width and help unweight and support the patient, proving to be an important option during rehabilitation. The handrails serve as a measure of security for elderly patients as well.

An additional keyboard and emergency stop button help the medical professional and patient to always be in control.

Further options:

- Adjustable handrails for LE 100 - 200CE
- Long handrails for LE 100 - 500CE
- Removable handrails for LE 580 - 720CE
- Reverse belt rotation for downhill running simulation in a safe environment
- Extra speeds
- Specially reinforced belts for walking canes/spikes
- Ramps and stabilizers for wheelchairs
- Software para graphics®



Advantages at a glance

- High-performance, maintenance-free drive motor, 3.3 kW for regular treadmills and 11 kW for oversize treadmills
- Slow, smooth, patient-friendly start with speeds starting at 0.1 km/h
- 7 different acceleration levels
- 200 kg max body weight for LE 100 - 500CE; 280 kg max body weight for oversize treadmills
- Damped running deck for joint-friendly running
- Rubber running belt for model LE 250CE and up
- Quiet, even at max speed
- Self-diagnosis, error memory and maintenance period display
- Standard integrated Polar system for heart rate measurements and for heart rate-controlled training
- Exercise control in cardio mode via elevation or speed parameters
- Interfaces for ergospirometer, ECG or PC (h/p/cosmos para control® software)
- Free h/p/cosmos para control® software for remote controlling and monitoring
- Designed, produced and quality-controlled according to ISO 9001, EN 13485, ISO 14971, EN 62304, IEC 60601-1, CE certified
- Made in Germany by h/p/cosmos®

Treadmill Overview

Treadmill name	Size running deck (L x W) cm	Speed km/h		Elevation %	Application
		Standard	Optional		
LE 100CE 150/50*	150 x 50	0 - 22	0 - 30	0	Walking
LE 200CE 150/50*	150 x 50	0 - 22	0 - 30	0 - 25	Walking
LE 250CE 170/65*	170 x 65	0 - 22	0 - 30/40	0	Walking
LE 300CE 170/65*	170 x 65	0 - 22	0 - 30/40	0 - 25	Walking
LE 500CE 170/65*	170 x 65	0 - 40		-25 - +25	Walking

Oversize treadmills**

LE 580CE 200/75	200 x 75	0 - 40		-35 - +35	Walking
LE 580CE 200/75 R	200 x 75	0 - 40	0 - 50/60/80	-35 - +35	Walking, Cycling, Wheelchair
LE 590CE 200/100	200 x 100	0 - 40		-35 - +35	Walking
LE 590CE 200/100 R	200 x 100	0 - 40	0 - 50/60/80	-35 - +35	Walking, Cycling, Wheelchair
LE 600CE 250/75	250 x 75	0 - 40		-27 - +27	Walking
LE 600CE 250/75 R	250 x 75	0 - 40	0 - 50/60/80	-27 - +27	Walking, Cycling, Wheelchair
LE 650CE 250/100	250 x 100	0 - 40		-27 - +27	Walking
LE 650CE 250/100 R	250 x 100	0 - 40	0 - 50/60/80	-27 - +27	Walking, Cycling, Wheelchair
LE 680CE 250/125 R	250 x 125	0 - 40	0 - 50/60/80	-27 - +27	Walking, Cycling, Wheelchair
LE 690CE 300/75	300 x 75	0 - 40		-27 - +27	Walking
LE 690CE 300/75 R	300 x 75	0 - 40	0 - 50/60/80	-27 - +27	Walking, Cycling, Wheelchair
LE 700CE 300/100	300 x 100	0 - 40		-27 - +27	Walking
LE 700CE 300/100 R	300 x 100	0 - 40	0 - 50/60/80	-27 - +27	Walking, Cycling, Wheelchair
LE 720CE 300/125 R	300 x 125	0 - 40	0 - 50/60/80	-27 - +27	Walking, Cycling, Wheelchair



Walking Applications



Cycling Applications



Wheelchair Applications

Compatibility with the JAEGER® Ergospirometer

The treadmills LE 100 - LE 720CE can be controlled automatically by the Ergospirometer Vyntus® CPX, Oxycon Series or MasterScreen CPX via a RS 232 interface. Important parameters, such as speed, elevation, time, distance and pulse rate, are transmitted online simultaneously from the treadmill to the ergospirometer/ECG.

The treadmill becomes an independent ergometer with the aid of the user terminal (optional for LE 100/200CE) with a clear LCD display. It comes with:

- 6 training profiles (scalable; 756 variations)
- 28 test profiles (UKK 2-km Walk Test, Bruce, step test, Naughton, Ellestad, Gardner, Conconi, ramps, etc.)
- 8 individually adjustable programs with 40 program steps each



LE 200CE with ergospirometer
Vyntus CPX

The "CareFusion Experience"

CareFusion's Respiratory Diagnostics (RDx) division is active in over 120 countries and headquartered in Germany and USA. It is an organisation with over 60 years' experience in the field of pulmonary function testing founded on the reputed brands: Godart, Mijnhardt, JAEGER®, Beckman, Gould, Micro Medical, SensorMedics® and VIASYS®.

With over 500 employees at CareFusion RDx, we strive to continue the rich tradition of supplying reliable, professional and accessible cardiopulmonary diagnostic devices and services. Today we expand our offer to you with new diagnostic concepts and future oriented workflow and H-IT solutions. In conjunction with our global support organisation we at CareFusion RDx are at your service in almost any country in the world.

* Please consider the natural and physical performance limitations of the single phase 230 volt power supply or low voltage supply. The single phase 230 volt power supply is sufficient up to normal fitness or therapy applications. For all special high performance applications (speed running, controlled jump-ons, sidesteps, heavy subjects at higher speed, extreme elevations, etc.), we recommended models with a 3-phase, 3x400 volt power supply (for example model LE 580CE - LE 720CE).

** 400 Volt AC, 3~/N/PE, 50/60 Hz

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