

applications:	endurance training walking and running, stress device for performance testing, gait analysis and gait training
control:	via integrated interface and coscom v3/v4 protocol or via para control PC software or optional remote control only; MCU5 located in the engine room, WITHOUT UserTerminal, no displays, no keyboard
running surface:	L: 150 cm (4ft 11.06") W: 50 cm (1ft 7.69") access height: 23 cm (9.06") PVC-running belt with slip resistant surface max. permissible load: 250 kg (551 lbs)
speed range:	0.0...18.0 km/h (0.0...5.0 m/s) (0.0...11.2 mph) available at extra charge: 0.0...22.0 km/h (0.0...6.1 m/s) (0.0...13.6 mph)
acceleration:	7 acceleration / deceleration levels between 131 s and 3 s from 0 to max. or from max. to 0; equals 0.038... 1.66 m/s <sup>2</sup> levels 1 to 4 enabled, levels 5 to 7 on request adjustable via treadmill or remote control
elevation:	0.0...20.0 % (0.0...11.31°) motorized adjustment available at extra charge: 0.0...25.0 % (0.0...14.03°)
running direction:	switch for reversing belt direction at extra charge. Max. permissible reverse speed 5 km/h (3.1 mph) if no safety-harness with fall-stop prevention system is used.
motor system:	2.2 kW (3 PS) 3-phase AC motor, maintenance free and brushless. For high-performance applications we recommend models with a 3-phase 3x400 volt power supply and a running surface min. 190/65 cm.
power transmission:	frequency inverter, poly-V-belt, very quiet operation
safety systems:	CE0123; medical device directive 93/42/EEC, machinery directive 2006/42/EC; ISO 20957-1;EN 957-6; EN 14971; EN ISO 13485; IEC60601-1; EN 60601-1-2 (EMC approved); IEC 62304 emergency-off safety stop switch (mushroom push button for drive system power-off); emergency stop switch (safety lanyard with actuator, pull cord and clip); potential equalization bolt; transformer for potential-isolation from the mains.
degree of protection:	appliance class I M / type B R / IP 00
classification:	medical device risk class IIb according to MDD 93/42/EEC, active therapeutic medical device and active diagnostic medical device
usage class:	S, I according to ISO 20957-1
accuracy class:	A (high accuracy) according to EN 957-6
earth leakage current	< 0.2 mA
ambient condition:	0...+40 °C; 20...90 % humidity 700...1060 hPa air pressure 3,000 m (~10,000 ft) max.altitude without pressurization
display (resolutions): (via PC-Software)	6 LCD displays, 4 LEDs for operation modes, 20 LEDs for display of units & profile no, steps, etc. speed (0.1 km/h or m/s or m/min or mph), time (00:00) in hours, minutes & seconds, elevation (0.1 % or degrees) distance (1 m...999.9 km or miles), METS (1 MET) program step/number, energy (1 kJ/kcal), fitness index (1) power (1 Watt), heart rate (1 bpm / beat per minute) optional
heart rate monitoring:	heart rate measurement optional at extra charge.
digital interface:	1 x RS 232 com1 with 9600 bps: incl. PC-protocol, h/p/cosmos coscom® v3/v4 USB-RS232-converter; com2; com3 with 115200 bps; com4. optional at extra charge
profiles / programs:	6 exercise profiles (scalable, more than 100 variations)

	11 test profiles (UKK 2 km Walktest, Bruce, Graded test, Naughton, Ellestad, Gardner, Conconi, Ramp, etc.)
	20 free definable programs with 40 program steps each
PC software (incl.):	h/p/cosmos para control® for display & remote control including 1 x RS232 interface cable 5 m (16ft 4.85").
PC software:	h/p/cosmos para graphics®, para analysis®, para motion® PC software for control, monitoring, recording & analysis. optional at extra charge
accessory (incl.):	instruction for use on USB media-stick, lubrication oil, allen-key 5m (16 ft 4,85") PE potential equalization cable
colour of frame:	pure white RAL 9010 (powder coated)
handrails:	steel tube handrails Ø 60 mm on both sides; length: 620 mm; square crosstube between pillars; On/Off-switch, emergency off and pull cord between pillars. steel tube handrails are easy removable and can be replaced by other special handrails. front-crossbar Ø 30 mm optional at extra charge.
voltage supply:	200...240 volt AC 1~/N/PE 50/60 Hz 16A type C fuse; dedicated circuit, line and protection;
device dimensions:	L: 209 (+/-1) cm (6ft 10" +/- ½") B: 86 (+/-1) cm (2ft 9.9" +/- ½") H: 131 (+/-1) cm (4ft 3.6" +/- ½")
net weight:	device approx. 211 kg (465 lbs)
gross weight:	device approx. 320...350 kg (704...770 lbs)
	weight and dimensions may differ depending on accessories.

Optionally available at extra charge are special frame colours, other handrail designs, special voltage supply and other options and accessories.

Weight and package specifications can deviate according to options, accessories packing and way of transport. E&OE. Subject to alterations without prior notice. Please consider the natural and physical performance limitations of the single phase 230 volt power 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 h/p/cosmos quasar med 3p, pulsar 3p, venus or saturn).

Warning! Installation, commissioning, instruction, maintenance and repair work only to be conducted by h/p/cosmos trained and authorized personnel. For treadmills with oversized deck (width >65cm), for children, special applications, without sufficient safety space behind the treadmill, for subjects and / or patients with health or other limitations (e.g. visual impairment, etc.), for running at high speed and / or for all individuals, where a fall triggers a dangerous risk of injury or death (e.g. newly operated hip patients, invasive probes, etc.), a fall prevention system is obligatory (e.g. safety arch with chest belt and harness or a weight support system). For more information see the instructions for use. Safety space behind the treadmill: min. L: 2 m (6ft 6.74") x treadmill width. Children are only allowed to be on the treadmill, if under permanent supervision and secured by a fall prevention system.