running machine:	**locomotion® 150/50 DE med** with therapist seats, foot rests and adjustable handrails optional wheelchair ramp available at extra charge
manufacturer:	h/p/cosmos sports & medical gmbh / Germany
order number:	cos30001-01va02
applications:	endurance training walking and running, stress device for performance testing, gait analysis & gait training
control:	via rotatable UserTerminal (TouchPanel display), MCU5, integrated interface or via remote control
running surface:	L: 150 cm (4ft 11.06") W: 50 cm (1ft 7.69") special sizes available at extra charge access height: 18 cm (7.09") - shock load reduction for the joints - running belt with slip resistant surface - reinforced running belt with profiled surface, 5 mm thick - max. permissible load: 200 kg (440 lbs) - optional 300 kg (660 lbs) at extra charge
speed range:	0...10.0 km/h (0...2.8 m/s) (0...6.2 mph) special speed available at extra charge: 0...22.0 km/h (0...13.6 mph) 0...30.0 km/h (0…18.64 mph)
acceleration:	7 acceleration / deceleration levels between 131 s and 3 s from 0 to max. or from max. to 0; equals 0.021…0.926 m/s² programmable via para control PC software
elevation:	-25.0 %...+25.0 % (-14.0°...+14.0°) motorized adjustment, (up to -25 % when using reverse belt rotation)
running direction:	switch for reversing running belt direction as standard, max. permissible reverse speed 5 km/h (3.1 mph) if no safety-harness with fall-stop prevention system is used.
motor system:	3.3 kW (4.5 HP) 3-phase AC motor, maintenance free and brushless; 20 years warranty on main drive motor. For high-performance applications we recommend models with a 3-phase 3x400 volt power supply and a running surface min. 190/65 cm.
electr. motor brake:	Prevents almost all movement of running belt when speed is set to 0 km/h caused by elevation/gravity or when mounting or dismounting the treadmill.
power transmission:	frequency inverter, poly-V-belt, very quiet operation
safety systems:	CE0123; medical device directive 93/42/EEC + 2007/47/EC; MDD; machinery directive 2006/42/EC; IEC 60601-1; EN 60601-1-2 (EMC approved); EN 60601-1-6; EN 62304; EN 62353; ISO 20957-1; EN 957-6; EN 14971; ISO 9001; EN ISO 13485; 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 ⏚ / type B 🚶 / IP 20
classification:	medical device risk class IIb according to MDD, 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:	temperature: +10…+40 °C (-30…+50 °C on request) humidity: 30…70 % (up to 100 % on request) air pressure: 700…1060 hPa; 3,000 m (~10,000 ft) max. altitude without pressurization
display (resolutions):	TouchScreen display with operation mode, 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)
heart rate monitoring:	POLAR W.I.N.D: coded, wireless transmitter;

	ECG-accurate measurement; automatic control of speed and elevation according to programmed target heart rate ("cardio mode")
digital interface:	1 x RS 232 com1 with 9600 bps: incl. PC-protocol, h/p/cosmos coscom® & printer protocol serial. option extra charge: USB-RS232-converter; com2 with 9600 bps;
programs:	42 programs / profiles - 6 exercise profiles (scalable, more than 100 variations) - 28 test profiles (UKK 2 km Walktest, Bruce, Graded test, Naughton, Ellestad, Gardner, Conconi, Ramp, etc.) - 8 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®.
(extra charge)	PC software for control, monitoring, recording & analysis.
accessory (incl.):	external emergency stop & remote control keyboard magnetic, user manual, service box, special oil, 5 m (16ft 4.85") PE potential equalization cable
colour of frame:	pure white RAL 9010 (powder coated)
handrails:	steel tube handrails ∅ 40 mm on both sides; gas-spring support and scales, adjustment in height 70…115 cm and width 46…117 cm, with 2 telescope bar extensions L: 55 cm 25mm ∅ for uphill support
voltage supply:	230 volt AC 1~/N/PE 50/60 Hz 15-16A fuse; dedicated circuit, line and protection;
size of frame:	L: 218 cm (7ft 1.83“) B: 100 cm (3ft 3,37“) H: 144 cm (4ft 8.69“) max. B: 128 cm (4ft 2.39“) incl. 2 therapist seats max. L: 338 cm (11ft 1.07“) incl. optional wheelchair ramp
net weight:	device approx. 365 kg (805 lbs)
gross weight:	device approx. 460...510 kg (1014...1124lbs)

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.