

h/p/cosmos®



run ahead of time!® ... the new pluto® treadmill

specifications: treadmill model pluto® med

model name:	pluto® med
manufacturer:	h/p/cosmos sports & medical gmbh / Germany
order number:	cos30026va02
applications:	walking and running for sports, fitness, sports medicine, sports science cardiology, rehabilitation, stress tests & medicine WITH UserTerminal (display & keyboard), MCU5. stand alone or remote control via interface.
running surface:	L: 150 cm (59.06") W: 50 cm (19.68") access height approx. 22 cm (8.66") shock load reduction for the joints belt surface with a good grip max. permissible load: 200 kg (440.9 lbs) note: for high performance applications 3-phase power supply is recommended. For lower than 220 volts speed limits apply at heavy weight subjects
speed range:	0.5 ... 18.0 km/h (0 ... 5.0 m/s) (0.3 ... 11.2 mph)
acceleration:	7 levels (3 ... 131 sec. from 0 to max. speed) also for deceleration (for manual or program mode)
elevation:	0 ... 20 % (0 ... 11.31°) adjustable electr., resolution 0.1%
motor system:	2.2 kW (3.0 HP) 3-phase A.C. motor (maintenance free and brushless)
power transmission:	frequency inverter, poly-V-belt, very quiet operation
safety:	CE0123; directive 93/42/EEC + 2007/47/EC; MDD; machinery directive 2006/42/EC; IEC EN 60601-1; IEC EN 60601-1-2 (EMC approved); IEC EN 60601-1-6; EN 62304; DIN EN 62353; DIN EN ISO 20957-1; DIN EN 957-6; DIN EN 14971; ISO 9001; DIN EN ISO 13485; potential equalization bolt; transformer for potential-isolation from the mains; emergency-off-button; safety lanyard (pull-cord) with magnet and clip
degree of protection:	class I ⚡ / type B / IP 20
classification:	safety class IIb medical device (MDD) / S, I, A (EN 957 / ISO 20957)
leakage current:	0.12 mA
ambient condition:	0 ... + 40 °C 0 ... 70 % humidity 700 ... 1060 hPa barometric pressure 1000 m (~3500 ft) max. altitude without pressurization
display / data:	6 LCD displays, 4 LEDs for operation mode, 20 LEDs for display of units & profile no, steps, etc. speed (0.1 km/h or m/sec or m/min or mph), time (00:00) in hours, minutes & seconds, elevation (0.1 % or degrees) distance (1 meter ... 999.9 km or miles), METS (1 MET) program step/number, energy (1 kJ/kcal), fitness index (1) power (1 Watt), option: heart rate (1 bpm / beat per minute)
heart rate monitoring:	option at extra charge
digital interface:	1 x RS 232 com1 with 9600 bps: incl. PC-protocol, h/p/cosmos coscom® & printer protocol for serial printer; option at extra charge: USB-RS232-Converter; com2; com3 with 115.200 bps
programs:	42 programs / profiles 6 exercise profiles (scalable, 756 variations) 28 test profiles (Bruce, Graded Test, Naughton, Ellestad, Gardner, Conconi, Ramp, etc.) 8 free definable programs with 40 program steps
free PC software:	h/p/cosmos para control® for display & remote control, inclusive 1 x RS 232 interface cable 5 m (16 ft 4.85")
software (at extra charge):	h/p/cosmos para graphics® for recording & visualisation
free accessories:	user manual, 0.25 l lubricant, tools, RS 232 interface cable 5m
colour of frame:	pure white dull fine textured RAL 9010 (powder coated)
handrails:	steel tube side handrails with 60 mm diameter and 620 mm length; siderails easily detachable and replaceable by paediatric handrails; with cross square pipe including UserTerminal between the handrail columns; optionally front cross-bar handrail available
voltage supply:	200 - 240 Volt AC 1~/N/PE 50/60 Hz 15A fuse breaker, dedicated line, special voltage supply available on request.
size of frame:	L: 210 cm (82.67") B: 85 cm (33.47") H: 119 cm (46.85")
net weight:	approx. 227 kg (500 lbs)
gross weight:	approx. 275 ... 300 kg (606 ... 661 lbs)
warranty:	12 months

CE 0123

optional accessories and options (extra charge):

potential equalization cable:	cos10223
para graphics® PC software:	cos10156-V2.6.14
USB-RS232 converter:	cos12769-01
com2 interface:	cos00098010025
com3 interface:	115,200 bps baudrate: cos16487
RS232 interface cable 10 m:	cos00097010035
safety arch with harness, chest belt and fall stop:	cos10079
paediatric handrail:	cos102400
safety arch with chest belt, harness and fall-stop is obligatory for use with children!	
cross-bar frontrail:	cos102426
wheelchair ramp:	cos102427
wireless heart rate monitor with chest belt:	cos100106
arm support adjustable in height and width:	cos12013
additional keyboard for arm support:	cos100680
keyboard holder for arm support:	cos14135
additional stop button in right arm support:	cos10107
drink-bottle holder:	cos11020
drink-bottle:	cos15485

h/p/cosmos®



This model is available in sports and in medical version.

This model is available with UserTerminal (control panel with LCD displays and keyboard) and without User Terminal (only control through Interface).

E&OE. Subject to alterations without prior notice.

Performance limitations:

Please consider the natural and physical performance limitations of the single phase 230 volt voltage power supply. The single phase 230 volt voltage power supply is sufficient up to normal fitness performance diagnostics, but is not sufficient for all special high performance applications (uphill/downhill, speed running, controlled jump-ons, sidesteps, heavy subjects at higher speed etc.). 3-phase running machine models with 3x400 volts power supply (for example model locomotion 3p, quasar med 3p, pulsar 3p, venus or saturn) are recommended for high performance applications and/or for areas with unstable power supply.

Warning!

Installation, commissioning, instruction and maintenance only to be conducted by h/p/cosmos trained and authorised personnel. For children, for running surfaces with L:200 x W:75cm or bigger, special applications, at higher speeds, for subjects with higher risk of falling, where a fall would lead to unacceptable risks (e.g. invasive probes during exercise or recent hip replacement), or if there is not enough safety space behind the treadmill, a fall prevention system (e.g. safety arch with harness & chest belt) is obligatory.

Keep min. safety space of L: 2 m (78.74") x W: 1 m (39.37") or the width of the treadmill (if the treadmill is wider) behind treadmills! No children on or near to treadmills.

© 11/2014 h/p/cosmos. subject to changes and amendments. E&OE; h/p/cosmos is certified in line with ISO 9001 and EN 13485 for medical treadmills. All technical specifications, descriptions, equipment options and images of devices, options and accessories are not binding and do not represent any guarantee of features and/or performance and may differ from the product and delivery.

contact:

h/p/cosmos sports & medical gmbh
Am Sportplatz 8, 83365 Nussdorf, Germany
sales@h-p-cosmos.com
phone: +49 86 69 86 42 0
fax: +49 86 69 86 42 49

