

General Information

Product Name:	xr450p / xr450m
Manufacturer:	Runner Srl Via G. di Vittorio, 391 41032 Cavezzo (MO) Italy
Distributed by:	Cardioline S.p.A. Registered Office and Factory: Via Linz, 151 38121 Trento Italy

xr450

xr450 is a treadmill designed to guarantee high performances, comfort and security for the patient. It has gradual-compression foot plates, able to adapt to the patient's stride, so drastically reducing articular impact to ankles, knees and back.

xr450 is an ideal instrument for use in combination with CARDIOLINE exercise test systems: silent and reliable, also at high speed, it has a wide tread surface being an extremely compact and light unit.

The **xr450** treadmill is available in three different versions, all equipped with a wide colour LCD touch-screen display and with different functionalities, as described in the technical specifications section. The **xr450** treadmill can be upgraded with lateral hand rails.

Intended use

xr450 is treadmill for the execution of exercise tests and cardiovascular rehabilitation. It can be used both as an independent unit, configured with optional console (model **xr450m**, **xr450p**), or in connection with a digital electrocardiograph equipped with an RS232 interface.

Correct use of the unit is in a medical environment. Use of this device is at the responsibility of qualified and suitably trained personnel, and must conform to the instructions contained in the User's Manual.

The unit must be handled with care and with every care to avoid bumps, vibration, heat sources, liquids and anything else that could cause it damage.

The **xr450** treadmill can be used both on adult and pediatric patients in hospital or in the doctor's office.

xr450m – xr450p

Technical specifications

Width	70 cm
Length	188 cm
Height.....	142 cm
Weight.....	145 kgs
Max. working speed	20.0 km/h constant;
Min. working speed	0.1 km/h constant;
Max inclination	22 %
Min. inclination	0 %
Walking surface	140 x 48 cm
Toroidal transformer of isolation	1900VA;
Engine power (peak).....	2 HP (AC)
Inverter	Fuji
Electric power supply	220/240 V – 50/60 Hz – 10 amp
Auxiliary circuit power supply for inclination	low tension 18 V ac
Auxiliary circuit power supply for console/motor electric card	low tension 12 V dc
Absorbed power at max. speed	2000 VA
Nominal absorbed power	1500 VA
Noise	< 30 DB
User's max. weight.....	150 kgs

Damped board
Self-centring belt system
Self-oiling belt system
Acoustic warning to the pressure of the keys
Cardio recording with chest belt
EEC 93/42 certification (medical device)
Serial interface with Trackmaster protocol
Push button and pull rope stop emergency
Console with colour LCD touch-screen display for all the versins (R, M, P)
Electronic variation of inclination and speed

xr450m – xr450p

Features

Console functions (M).....	- speed and inclination control; - liquid crystal display shows heart beats, speed, time, distance and inclination.
Programmable console functions (P)...	- speed and inclination control; - liquid crystal display shows heart beats, speed, time, distance and inclination;
PROFILES	- 6 basic profiles that can be modified with speed, inclination and time independent setting; - 50 free profiles with time, inclination and speed setting;
CARDIO	training at constant pulsations (until 80% of max. theoretical own heart rate) with machine self-adjustment of the speed to keep heart rate within max. set value;
FAT BURNING.....	training at constant pulsations (until 65% of max. theoretical own heart rate) with machine self-adjustment of the inclination to keep heart rate within max. set value;
FOUR TESTS	two auto tests, CHR (Constant Heart Rate) and CWL (Constant Work Level), let making a constant heart rate or load exercise. The third, RUNNER TEST, lets making an increasing load exercise with 1 km/h rising speed per minute. The fourth, COOPER TEST, lets making a 12 minutes exercise to achieve the maximum distance;
PERSONAL DATA.....	setting of user's personal data (age and weight);
COUNT DOWN.....	decreasing setting of exercise timing.

xr450m – xr450p

CARDIOLINE

Models

<i>model/operation</i>	<i>remote controlled</i>	<i>stand alone manual</i>	<i>stand alone automatic</i>
xr450m ref 67019385	X	X	
xr450p ref 67019386	X	X	X

Standard Accessories

<i>Description</i>	<i>Quantity</i>
Power supply cable	1
RS232 connection cable to PC	1
User manual	1

Accessories and consumables

<i>Code</i>	<i>Description</i>
63090686	RS232 connection cable
67010036	Fall prevention support
67010021	Power supply cable
67010037	Polar belt receiver
67019310	Long lateral support bars
67010039	Underarm kit
67010040	Can of lubricant
67019311	Access ramp
67019312	Lateral pediatric support bars



xr450m – xr450p