OOO NPF "Rehabilitation technologies"

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To whom it may concern

We, OOO NPF Rehabilitation technologies (Registration Number No 5262257980), as the manufacturer of the medical device TREADMILL REATERRA   WITH BIOFEEDBACK (CARDIAC REHABILITATION) 10 KM/H confirm the specification below:

1		MAINTENANCE	12 MONTHS
2.		**Specification**	
	2.1	Overall dimensions L ×W × H, mm:	
2.1.1		Size of frame (without handrails)	2128 x 868 x 430
2.1.2		Running surface	1580 x 590 x 190
	2.1.3	Dimensional tolerance of the running surface is no more than the specific value, mm	± 30
2.1.4.		Fixed big handrail left	2108 x 50 x 1082
2.1.5		Fixed big handrail with the bracket for the builtin control unit right	2108 x 50 x 1252
2.1.6		Fixed big handrail without the bracket for the builtin control unit right	2108 x 50 x 1082
	2.1.7	Fixed small handrail left	1147 x 50 x 1082
	2.1.8	Fixed small handrail with the bracket for the builtin control unit right	1147 x 50 x 1252
	2.1.9	Fixed small handrail without the bracket for the builtin control unit right	1147 x 50 x 1082
	2.1.10	Adjustable handrail left	2168 x 200 x 1170
	2.1.11	Adjustable handrail for the running machine with the bracket for the builtin control unit right	2168 x 200 x 1440
	2.1.12	Adjustable handrail for the running machine without the bracket for the builtin control unit right	2168 x 200 x 1170
	2.1.12	Overal dimension tolerance of the components of the supplied running surface is no more than specific value, mm more or equal 900 мм more or equal 300 mm and less 900 мм more or equal 40 мм and less 300 мм	± 90 ± 30 ± 10
	2.2	Control unit	
	2.3	Display	9,7 TFT
	2.4	Touch Screen	Available
	2.5	Overal dimension L× W× H, mm:	257,2 X 32,7 X 199,7
	2.6	Weight, kg	0,76
	2.7	Processor	32 bits RISC Cortex A9 1GHz
	2.8	Electrical parameters:	
	2.9	Treadmills modifications of 10 km / h are designed to work in a single phase 220 Volt power supply	
	2.10	Weight of the treadmill, modification of 10 km/h (without handrails), kg	147
	2.11	Max. permissible load , kg	120
3		**General parameters:**	

1		MAINTENANCE	12 MONTHS
3.1		Running direction	Switch for reversing running belt direction
	3.2	Elevation %	(0…14) / (0…25)
	3.3	Dimension tolerance of the elevation is no more, grad	±1
	3.4	Motor system: AC motor for high-performance application	Available
	3.5	Safety systems: protection function against crossing the edge of the running belt(provided by optical infrared intersection sensors, which are located in the front and back of the running belt)	A
	3.6	Safety systems: emergency-off safety stop switch (push button for drive system power-off)	Available
	3.7	Mean time between failures,h	60 000
	3.8	Average life, years	6
4		**Functional paramteres**	
	4.1	Treadmill is a bio-feedback based walking simulator with ergometric testing option, unloading system and programmable individual loads depending on gender, age and fitness level.	
	4.2	USER-FRIENDLY MENU, OPTIONS FOR SAVING PATIENT PROFILES, USB port for exporting/importing data from the treadmill	Available
	4.3	Operation mode:	
	4.4	Patients	Available
	4.5	Procedures	Available
	4.6	Settings	Available
	4.7	Possibility of marking the surface of the running belt to indicate the recommended step length and the boundaries of the patient's foot. (Only in a complete set with a laser level)	Available
	4.8	Ergometric testing according to internal protocols	8 protocols
	4.9	Heart rate monitoring	Available
	4.10	Programmed target heart rate	Available
	4.11	The mode «Free run» with a display of parameters: distance run, speed, elevation, energy (1kcal), power, heart rate (beat per minute)(*for display some parameters the weight of the patient should be entered ∂*).	Available
	4.12	Individual profiles, patient's database.	Available
	4.13	Heart rate profiles	Available
6		**Technical parameters of unloading system for the treadmill with bio-feedback**	
6.1		Overall dimensions L × W × H, mm:	2350 x 1140 x 2700
	6.2	Overal dimension tolerance of the unloading system is no more than specific value, mm more or equal 900 мм more or equal 300 mm and less 900 мм more or equal 40 мм and less 300 мм	± 90 ± 30 ± 10
	6.3	Weight, kg	160
	6.4	Max. user's height, mm	2050
	6.5	The distance between the surface on which the unloading system is installed and the suspension vest to support the patient., mm	1250 - 2450
	6.6	The unloading system is powered by the mains voltage (the power cable of the unloading system is connected to the treadmill).	
	6.7	Redundant power supply (built-in batteries) providing in the event of an emergency stop	Available
	6.8	Quantity of battaries	2
	6.9	Rated output voltage of one battery, V	12

Best regards, Director   Emelianov A.V.