

Product Comparison Matrix



Features	E 50	E 100	E 150	E 200	E 400 HK	E 600	Excalibur Sport
Type of Ergometer	Legs	Legs	Legs (paediatric)	Legs	Arm	Legs (recumbent)	Legs
Main application	CPET	CPET	Pediatric	CPET, Rehabilitation	Rehabilitation	Rehabilitation, Obesity	Anaerobic Testing (Wingate)
Integration with COSMED CPET Systems	•	•	•	•	•	•	•
Integrated HR Receiver		• (only K version)	• (only K version)	• (only K version)	•	• (only K version)	•
Integrated Pulse Oximetry		○	○	○		○	○
Automatic Blood Pressure Measurement		○	○	○		○	○
ECG amplifier (ERS Rehabilitation System)					○	○	
ERS Rehabilitation System communication port					•	•	
Manual load adjustment	•	•	•	•	•	•	•
Constant power mode							•
0-Watt-Start-Up system							○
Pedal Force Measurement							○
Dynamic Calibration							•
Braking system	Electro-magnetic	Electro-magnetic	Electro-magnetic	Electro-magnetic	Electro-magnetic	Electro-magnetic	Electro-magnetic
Footboard				•			
Adjustable handlebar height				•			•
Adjustable saddle	Manual	Manual	Manual	Motorized		Manual (horizontal)	Manual
Racing saddle		○		○			
Paediatric settings		○	•	○			○
Wheelchair Holding Device					○		
Pre-set Training Protocols	5	5	5	5	5	5	
Available User Protocols	10	10	10	10	10	10	50 protocols (option)
PC Software							○

Hardware	E 50	E 100	E 150	E 200	E 400 HK	E 600	Excalibur Sport
Dimensions (cm)	90x46x133	94x46x133	90x46x133	90x46x133	130x87x135	165x75x108	130x70x89
Weight (kg)	58	64	61	66	73	86	100
Maximum patient weight (kg)	160	160	60 (pediatric) 160 (adult)	160	120	260	180
Load Range (Watt)	6-400	6-999	6-999	6-999	6-999	6-999	8-2500
Speed Range (RPM)	30-130	30-130	30-130	30-130	30-130	30-130	25-180
Load Steps (Watt)	1	1	1	1	1		1
Accuracy	3% ± 3 W	3% ± 3 W	3% ± 3 W	3% ± 3 W	3% ± 3 W	3% ± 3 W	< 100 W ± 2 W 100-1500 W ≤ 2% > 1500 W ≤ 5%
Display LCD	128x64	128x64 (P Version) Graphic 320x240 (K Version)	128x64 (P Version) Graphic 320x240 (K Version)	128x64 (P Version) Graphic 320x240 (K Version)	Graphic 320x240	128x64 (P Version) Graphic 320x240 (K Version)	B/N 2x16 characters
Interface	RS-232, analog	RS-232, analog	RS-232, analog	RS-232, analog	RS-232, analog	RS-232 analog	RS-232, analog
Power Supply	100-240V, 50/60 Hz	100-240V, 50/60 Hz	100-240V, 50/60 Hz	100-240V, 50/60 Hz	100-240V, 50/60 Hz	90-265V, 50/60 Hz	115-230VAC, 50/60 Hz

• Standard ○ Option