

## **CT CARDIO SERIES**

## CT50 - COMMERCIAL TREADMILL



# PRODUCT OVERVIEW

The CT50 is a professional-grade commercial cardio unit that combines durability with cost efficiency. With a clean, modern design, it is well-suited for commercial gyms, 24 hours clubs, and personal training studios.

Its frame is built from high-strength steel, supporting a maximum user weight of 180 kg. Tested with over 100,000 fatigue cycles, it is engineered to withstand continuous, high-frequency use around the clock. The treadmill is powered by a 3.0HP continuous-duty commercial motor, delivering up to 7.0HP peak power. Combined with 88mm commercial-grade rollers, it ensures smoother power output and extended service life.

The console features a 15.6-inch high-brightness LED acrylic display, supporting multiple training modes and virtual running scenarios while tracking key workout data—enhancing both engagement and personalization. The running deck incorporates an advanced shock absorption system, significantly reducing stress on the knees and improving overall training safety.

Additional user-centric features include motion-sensing with auto-standby, a 15W wireless charging station with anti-slip and smart foreign-object detection, ergonomically shaped non-slip handrails, intuitive touch shortcut keys, and dual high-output cooling fans—all designed to improve usability, comfort, and safety.

By striking the right balance between reliability and user experience, the CT50 offers a cost-effective yet high-performing solution for the commercial fitness market.



# **SPECIFICATIONS & KEY FEATURES**

# Specifications

Gross Weight / Net Weight 180kg  Motor Power rated power 3HP, maximum peak power: 7HP  Output Voltage AC220V, 50Hz  Screen Type 15.6-inch LED Console with High-Brightness Acrylic Panel  Screen Material Acrylic  Dot Matrix Window 5 LED windows + 16×8 dot matrix  Display Information Time, Distance, Steps, Calories, Speed, Incline, Heart rate, Program modes, Fault diagnosis  Speed Range 0-20km/h  Speed Levels 3、6、9km/h  Incline Range 0-15%  Incline Range 0-15%  Running Belt Thickness 2.5mm  Running Area Size 570*1550mm  Running Board Thickness 25mm  Running Deck Height 250mm  Quick Access Keys Speed adjustment, incline adjustment Training Modes (7 preset training programs)  Emergency Stop Switch Style Pull-cord type  Safety Key Yes Energy-Saving Function Motion sensor with auto-standby  Charging Function Wireless charging  Cup Holder Yes  Phone Holder Yes  Bluetooth Optional		
Gross Weight / Net Weight 248/190kg  Maximum User Weight 180kg  Motor Power rated power 3HP,	Dimensions (L × W × H)	2177mm×938mm×1607mm
Maximum User Weight  Motor Power  rated power 3HP, maximum peak power: 7HP  Output Voltage  AC220V, 50Hz  Screen Type  15.6-inch LED Console with High-Brightness Acrylic Panel  Screen Material  Acrylic  Dot Matrix Window  5 LED windows + 16×8 dot matrix  Display Information  Time, Distance, Steps, Calories, Speed, Incline, Heart rate, Program modes, Fault diagnosis  Speed Range  0-20km/h  Speed Levels  3, 6, 9km/h  Incline Range  0-15%  Incline Levels  4%, 8%, 12%  Running Belt Thickness  Running Belt Thickness  2.5mm  Running Area Size  570*1550mm  Running Board Thickness  25mm  Running Deck Height  250mm  Quick Access Keys  Speed adjustment, incline adjustment Training Modes  (7 preset training programs)  Emergency Stop Switch Style  Pull-cord type  Safety Key  Yes  Energy-Saving Function  Motion sensor with auto-standby  Charging Function  Wireless charging  Cup Holder  Yes  Phone Holder  Yes  Bluetooth  Optional	Packaging Dimensions	2200mm×960mm×503mm
Motor Power  maximum peak power: 7HP  Output Voltage  AC220V, 50Hz  Screen Type  15.6-inch LED Console with High-Brightness Acrylic Panel  Screen Material  Acrylic  Dot Matrix Window  5 LED windows * 16*8 dot matrix  Display Information  Time, Distance, Steps, Calories, Speed, Incline, Heart rate, Program modes, Fault diagnosis  Speed Range  0-20km/h  Speed Levels  3. 6. 9km/h  Incline Range  0-15%  Incline Levels  4% 8% 12%  Running Belt Thickness  Running Area Size  570*1550mm  Running Board Thickness  25mm  Running Deck Height  250mm  Quick Access Keys  Speed adjustment, incline adjustment  Quick Access Keys  Training Modes  (7 preset training programs)  Emergency Stop Switch Style  Pull-cord type  Safety Key  Yes  Energy-Saving Function  Motion sensor with auto-standby  Charging Function  Wireless charging  Cup Holder  Yes  Phone Holder  Yes  Bluetooth  Optional	Gross Weight / Net Weight	248/190kg
maximum peak power: 7HP  Output Voltage AC22OV, 50Hz  Screen Type 15.6-inch LED Console with High-Brightness Acrylic Panel  Screen Material Acrylic  Dot Matrix Window 5 LED windows + 16×8 dot matrix  Display Information Time, Distance, Steps, Calories, Speed, Incline, Heart rate, Program modes, Fault diagnosis  Speed Range O-20km/h  Speed Levels 3. 6. 9km/h  Incline Range O-15%  Incline Levels 4% 8% 12%  Running Belt Thickness 2.5mm  Running Area Size 570*1550mm  Running Board Thickness 25mm  Running Deck Height 250mm  Quick Access Keys Speed adjustment, incline adjustment Quick Access Keys Speed adjustment, incline adjustment (7 preset training programs)  Emergency Stop Switch Style Pull-cord type  Safety Key Yes  Energy-Saving Function Motion sensor with auto-standby Charging Function Wireless charging  Cup Holder Yes  Phone Holder Yes  Bluetooth Optional	Maximum User Weight	180kg
Output Voltage Screen Type 15.6-inch LED Console with High-Brightness Acrylic Panel Screen Material Acrylic Dot Matrix Window 5 LED windows + 16×8 dot matrix Display Information Time, Distance, Steps, Calories, Speed, Incline, Heart rate, Program modes, Fault diagnosis Speed Range 0-20km/h Speed Levels 3、6、9km/h Incline Range 0-15% Incline Levels 4%、8%、12% Running Belt Thickness Running Area Size 570*1550mm Running Board Thickness 25mm Running Deck Height 250mm Quick Access Keys Speed adjustment, incline adjustment Training Modes Quick start, program modes (7 preset training programs) Emergency Stop Switch Style Safety Key Yes Energy-Saving Function Wireless charging Cup Holder Yes Phone Holder Yes Bluetooth Optional	Motor Power	rated power 3HP,
Screen Type  15.6-inch LED Console with High-Brightness Acrylic Panel  Screen Material  Acrylic  Dot Matrix Window  5 LED windows + 16×8 dot matrix  Display Information  Time, Distance, Steps, Calories, Speed, Incline, Heart rate, Program modes, Fault diagnosis  Speed Range  0-20km/h  Speed Levels  3 6 9km/h  Incline Range  0-15%  Incline Levels  4% 8% 12%  Running Belt Thickness  2.5mm  Running Area Size  870*1550mm  Running Board Thickness  25mm  Running Deck Height  250mm  Quick Access Keys  Speed adjustment, incline adjustment Training Modes  (7 preset training programs)  Emergency Stop Switch Style  Pull-cord type  Safety Key  Yes  Energy-Saving Function  Motion sensor with auto-standby  Charging Function  Wireless charging  Cup Holder  Yes  Phone Holder  Yes  Bluetooth  Optional		maximum peak power: 7HP
High-Brightness Acrylic Panel  Screen Material Acrylic  Dot Matrix Window 5 LED windows + 16×8 dot matrix  Display Information Time, Distance, Steps, Calories, Speed, Incline, Heart rate, Program modes, Fault diagnosis  Speed Range 0-20km/h  Speed Levels 3、6、9km/h  Incline Range 0-15%  Incline Levels 4½、8½、12½  Running Belt Thickness 2.5mm  Running Area Size 570*1550mm  Running Board Thickness 25mm  Running Deck Height 250mm  Quick Access Keys Speed adjustment, incline adjustment Training Modes Quick start, program modes (7 preset training programs)  Emergency Stop Switch Style Pull-cord type  Safety Key Yes  Energy-Saving Function Motion sensor with auto-standby Charging Function Wireless charging  Cup Holder Yes  Phone Holder Yes  Bluetooth Optional	Output Voltage	AC220V, 50Hz
Screen Material  Dot Matrix Window  5 LED windows + 16×8 dot matrix  Display Information  Time, Distance, Steps, Calories, Speed, Incline, Heart rate, Program modes, Fault diagnosis  Speed Range  0-20km/h  Speed Levels  3、6、9km/h  Incline Range  Incline Levels  4%、8%、12%  Running Belt Thickness  Running Area Size  570*1550mm  Running Board Thickness  Running Deck Height  250mm  Quick Access Keys  Speed adjustment, incline adjustment Training Modes  (7 preset training programs)  Emergency Stop Switch Style  Pull-cord type  Safety Key  Yes  Energy-Saving Function  Motion sensor with auto-standby  Charging Function  Wireless charging  Cup Holder  Yes  Phone Holder  Yes  Bluetooth  Optional	Screen Type	15.6-inch LED Console with
Dot Matrix Window  Display Information  Time, Distance, Steps, Calories, Speed, Incline, Heart rate, Program modes, Fault diagnosis  Speed Range  D-20km/h  Speed Levels 3, 6, 9km/h  Incline Range  D-15%  Incline Levels 4%, 8%, 12%  Running Belt Thickness 2.5mm  Running Area Size 570*1550mm  Running Board Thickness 25mm  Running Deck Height 250mm  Quick Access Keys Speed adjustment, incline adjustment Training Modes  (7 preset training programs)  Emergency Stop Switch Style Safety Key Yes Energy-Saving Function Charging Function Wireless charging Cup Holder Yes Phone Holder Yes Bluetooth Optional		High-Brightness Acrylic Panel
Display Information Time, Distance, Steps, Calories, Speed, Incline, Heart rate, Program modes, Fault diagnosis Speed Range D-20km/h Speed Levels 3, 6, 9km/h Incline Range O-15% Incline Levels 4%, 8%, 12% Running Belt Thickness Running Area Size S70*1550mm Running Board Thickness Running Deck Height 250mm Running Deck Height 250mm Quick Access Keys Speed adjustment, incline adjustment Training Modes (7 preset training programs) Emergency Stop Switch Style Pull-cord type Safety Key Yes Energy-Saving Function Motion sensor with auto-standby Charging Function Wireless charging Cup Holder Yes Phone Holder Yes Bluetooth Optional	Screen Material	Acrylic
Speed, Incline, Heart rate, Program modes, Fault diagnosis  Speed Range O-20km/h  Speed Levels 3、6、9km/h  Incline Range O-15% Incline Levels 4%、8%、12%  Running Belt Thickness Running Area Size S70*1550mm  Running Board Thickness 25mm  Running Board Thickness 25mm  Running Deck Height 250mm  Quick Access Keys Speed adjustment, incline adjustment Training Modes Quick start, program modes (7 preset training programs)  Emergency Stop Switch Style Pull-cord type Safety Key Yes Energy-Saving Function Motion sensor with auto-standby Charging Function Wireless charging Cup Holder Yes Phone Holder Yes Bluetooth Optional	Dot Matrix Window	5 LED windows + 16×8 dot matrix
Program modes, Fault diagnosis  Speed Range  0-20km/h  Speed Levels  3. 6. 9km/h  Incline Range  0-15%  Incline Levels  4%. 8%. 12%  Running Belt Thickness  2.5mm  Running Area Size  870*1550mm  Running Board Thickness  25mm  Running Deck Height  250mm  Quick Access Keys  Speed adjustment, incline adjustment  Training Modes  (7 preset training programs)  Emergency Stop Switch Style  Pull-cord type  Safety Key  Yes  Energy-Saving Function  Motion sensor with auto-standby  Charging Function  Wireless charging  Cup Holder  Yes  Phone Holder  Yes  Bluetooth  Optional	Display Information	Time, Distance, Steps, Calories,
Speed Range		Speed, Incline, Heart rate,
Speed Levels 3. 6. 9km/h Incline Range 0-15% Incline Levels 4%. 8%. 12% Running Belt Thickness 2.5mm Running Board Thickness 25mm Running Deck Height 250mm Quick Access Keys Speed adjustment, incline adjustment Training Modes Quick start, program modes (7 preset training programs) Emergency Stop Switch Style Pull-cord type Safety Key Yes Energy-Saving Function Motion sensor with auto-standby Charging Function Wireless charging Cup Holder Yes Phone Holder Yes Fan Yes Bluetooth Optional		Program modes, Fault diagnosis
Incline Range	Speed Range	0-20km/h
Incline Levels 4% 8% 12% Running Belt Thickness 2.5mm Running Area Size 570*1550mm Running Board Thickness 25mm Running Deck Height 250mm Quick Access Keys Speed adjustment, incline adjustment Training Modes Quick start, program modes (7 preset training programs) Emergency Stop Switch Style Pull-cord type Safety Key Yes Energy-Saving Function Motion sensor with auto-standby Charging Function Wireless charging Cup Holder Yes Phone Holder Yes Fan Yes Bluetooth Optional	Speed Levels	3、6、9km/h
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Running Area Size 570*1550mm  Running Board Thickness 25mm  Running Deck Height 250mm  Quick Access Keys Speed adjustment, incline adjustment Training Modes Quick start, program modes (7 preset training programs)  Emergency Stop Switch Style Pull-cord type  Safety Key Yes  Energy-Saving Function Motion sensor with auto-standby  Charging Function Wireless charging  Cup Holder Yes  Phone Holder Yes  Fan Yes  Bluetooth Optional	Incline Levels	4%、8%、12%
Running Board Thickness 25mm Running Deck Height 250mm Quick Access Keys Speed adjustment, incline adjustment Training Modes Quick start, program modes (7 preset training programs) Emergency Stop Switch Style Pull-cord type Safety Key Yes Energy-Saving Function Motion sensor with auto-standby Charging Function Wireless charging Cup Holder Yes Phone Holder Yes Fan Yes Bluetooth Optional	Running Belt Thickness	2.5mm
Running Deck Height 250mm  Quick Access Keys Speed adjustment, incline adjustment Training Modes Quick start, program modes (7 preset training programs)  Emergency Stop Switch Style Pull-cord type  Safety Key Yes  Energy-Saving Function Motion sensor with auto-standby Charging Function Wireless charging  Cup Holder Yes  Phone Holder Yes  Fan Yes  Bluetooth Optional	Running Area Size	570*1550mm
Quick Access Keys  Training Modes  Quick start, program modes  (7 preset training programs)  Emergency Stop Switch Style  Safety Key  Yes  Energy-Saving Function  Charging Function  Wireless charging  Cup Holder  Yes  Phone Holder  Yes  Bluetooth  Speed adjustment, incline adjustment  Pull-cord type  Pull-cord type  Safety Key  Yes  Full-cord type  Optional	Running Board Thickness	25mm
Training Modes Quick start, program modes (7 preset training programs)  Emergency Stop Switch Style Pull-cord type Safety Key Yes Energy-Saving Function Motion sensor with auto-standby Charging Function Wireless charging Cup Holder Yes Phone Holder Yes Fan Yes Bluetooth Optional	Running Deck Height	250mm
[7 preset training programs]  Emergency Stop Switch Style Pull-cord type  Safety Key Yes  Energy-Saving Function Motion sensor with auto-standby  Charging Function Wireless charging  Cup Holder Yes  Phone Holder Yes  Fan Yes  Bluetooth Optional	Quick Access Keys	Speed adjustment, incline adjustmer
Emergency Stop Switch Style Pull-cord type Safety Key Yes Energy-Saving Function Motion sensor with auto-standby Charging Function Wireless charging Cup Holder Yes Phone Holder Yes Fan Yes Bluetooth Optional	Training Modes	Quick start, program modes
Safety Key Yes Energy-Saving Function Motion sensor with auto-standby Charging Function Wireless charging Cup Holder Yes Phone Holder Yes Fan Yes Bluetooth Optional		(7 preset training programs)
Energy-Saving Function Motion sensor with auto-standby Charging Function Wireless charging Cup Holder Yes Phone Holder Yes Fan Yes Bluetooth Optional	Emergency Stop Switch Style	Pull-cord type
Charging Function Wireless charging Cup Holder Yes Phone Holder Yes Fan Yes Bluetooth Optional	Safety Key	Yes
Cup Holder Yes Phone Holder Yes Fan Yes Bluetooth Optional	Energy-Saving Function	Motion sensor with auto-standby
Phone Holder Yes Fan Yes Bluetooth Optional	Charging Function	Wireless charging
Fan Yes Bluetooth Optional	Cup Holder	Yes
Bluetooth Optional	Phone Holder	Yes
	Fan	Yes
WIFI Optional	Bluetooth	Optional
	WIFI	Optional





## | Product Features



#### **Premium Commercial Quality**

Built with a high-strength steel frame, supporting up to 180kg. Tested over 100,000 fatigue cycles to ensure long-term, 24/7 durability under heavy use.



### Powerful & Stable Drive System

Equipped with a 3.0HP continuous-duty motor and 7.0HP peak output, paired with an 88mm commercial-grade roller for smoother performance and extended lifespan.



# Immersive Training Experience

Features a 15.6-inch high-brightness LED display with multiple training modes and virtual running scenarios, combined with user data tracking to add variety and personalization.



#### **Enhanced User Protection**

Insight's proprietary shock absorption technology significantly reduces impact on the knees. Combined with motion sensing and auto-standby, workouts are safer



## **User-Friendly Design**

15W wireless charging area, anti-slip handles, quick-access keys, and a built-in fan ensure a comfortable and convenient training experience.