

DAIKIN MTKL50U

Daikin 1.5 Ton 3 Star Inverter Split AC (MTKL50U) User Manual

Model: MTKL50U

1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential information for the safe and efficient operation of your Daikin 1.5 Ton 3 Star Inverter Split AC, model MTKL50U. Please read it thoroughly before installation or use and keep it for future reference.

1.1 Important Safety Instructions

- Ensure the unit is installed by a qualified technician in accordance with local regulations.
- Do not attempt to repair or modify the unit yourself. Contact authorized service personnel.
- Keep the area around the outdoor unit clear of obstructions.
- Do not insert objects into the air outlet or inlet.
- Turn off the power supply before cleaning or maintenance.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

2. PRODUCT OVERVIEW

The Daikin MTKL50U is a 1.5 Ton 3 Star Inverter Split AC designed for efficient cooling in small to medium-sized rooms. It features advanced technologies for comfort, air quality, and energy efficiency.



Image: Daikin 1.5 Ton 3 Star Inverter Split AC Indoor Unit.



Image: Daikin 1.5 Ton 3 Star Inverter Split AC Outdoor Unit, highlighting the 100% copper coil.

3. KEY FEATURES

The Daikin MTKL50U incorporates several features to enhance your cooling experience:

- **Inverter Swing Compressor:** Provides high energy efficiency and quiet operation by reducing friction and vibration.
- **Dew Clean Technology:** Automatically cleans the indoor unit's heat exchanger to prevent bacterial buildup and maintain performance.
- **PM 2.5 Filter:** Filters out small dust particles, allergens, and pollutants for healthier indoor air.
- **Triple Display:** Shows power consumption percentage, room temperature, and auto error codes for real-time monitoring.
- **Coanda Airflow:** Ensures uniform distribution of cool air across the room, eliminating hot spots.
- **Power Chill:** Rapidly cools the room, even in extreme ambient temperatures up to 52°C.
- **Stabilizer Free Operation:** Works within a wide voltage range of 130-265V, eliminating the need for an

external stabilizer.

- **100% Copper Coil:** Ensures better heat transfer, improved efficiency, and long-lasting durability with anti-corrosion treatment.
- **R32 Refrigerant:** An environmentally friendly refrigerant with zero ozone depletion potential.
- **Self Diagnosis:** Automatically detects and displays error codes for easier troubleshooting.



Image: Overview of key features including 3D Airflow, Three Stage Filtration, and Tru Inverter.



Image: Icon representing 3D Airflow feature.



Image: Icon representing Coanda Airflow feature.



Image: Icon representing Stabilizer Inside feature.



Image: Icon representing 100% Copper Coil feature.



Image: Icon representing R-32 Eco-friendly Refrigerant.

4. SETUP AND INSTALLATION

The Daikin 1.5 Ton 3 Star Inverter Split AC requires professional installation. The package includes the following components:

- 1 Indoor Unit
- 1 Outdoor Unit

- 3 m Length Inter Connecting Copper Pipe
- 1 Remote Control
- 1 User Manual

For detailed installation steps, please refer to the separate installation guide provided by the manufacturer or contact authorized Daikin service personnel.

5. OPERATING INSTRUCTIONS

Your Daikin AC is controlled via a remote control. Familiarize yourself with the remote's functions for optimal comfort.



Image: Daikin AC Remote Control, showing buttons for Fast Cooling, Econo Mode, Coanda Airflow, and Coil Auto Cleaning.

5.1 Remote Control Functions

- **ON/OFF Button:** Powers the unit on or off.

- **MODE Button:** Cycles through operating modes (Cool, Fan, Dry, Auto).
- **TEMP ▲/▼ Buttons:** Adjusts the desired temperature.
- **FAN Button:** Adjusts fan speed.
- **SWING Button:** Controls the vertical airflow direction.
- **POWER CHILL Button:** Activates rapid cooling for quick temperature reduction.
- **ECONO Mode Button:** Optimizes energy consumption while maintaining comfort.
- **DEW CLEAN Button:** Initiates the Dew Clean cycle for internal unit cleaning.
- **DISPLAY Button:** Toggles the Triple Display information (power consumption, room temp, error codes).
- **TIMER Buttons:** Sets ON/OFF timers for scheduled operation.
- **GOOD SLEEP Button:** Adjusts settings for comfortable sleep.

5.2 Triple Display

The Triple Display feature provides real-time information on the indoor unit's panel:

- **Set Temperature:** The desired temperature setting.
- **Room Temperature:** The current ambient temperature in the room.
- **Estimated Power Consumption (%):** An indication of the unit's power usage.
- **Auto Error Codes:** Displays specific codes if a malfunction occurs.



Image: Icon representing the Triple Display feature.

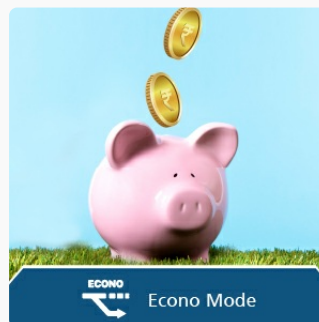


Image: Icon representing Econo Mode for energy-efficient operation.

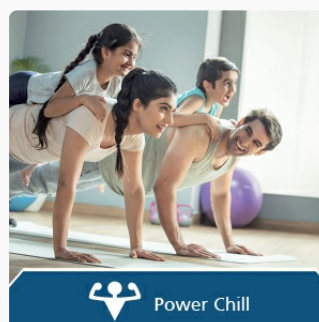


Image: Icon representing Power Chill for instant cooling.

6. MAINTENANCE AND CARE

Regular maintenance ensures optimal performance and longevity of your AC unit.

6.1 Filter Cleaning

The PM 2.5 filter should be cleaned regularly to maintain air quality and efficiency. Refer to the manual for specific instructions on how to remove and clean the filter.



Image: Icon representing the PM 2.5 Filter.

6.2 Dew Clean Technology

The Dew Clean Technology automatically cleans the indoor unit's heat exchanger. To activate this feature, press the 'DEW CLEAN' button on your remote control. This helps prevent bacterial growth and ensures healthy air.



Image: Icon representing Dew Clean Technology.

6.3 Anti-Corrosion Treatment

The unit's anti-corrosion treatment protects the coils from rust and extends the lifespan of the AC. Regular visual inspection for any signs of corrosion is recommended.

7. TROUBLESHOOTING

If your AC unit is not operating correctly, refer to the following general troubleshooting tips. For specific error codes, consult the detailed troubleshooting section in the full user manual or contact customer support.

7.1 Self Diagnosis Feature

The Self Diagnosis feature automatically detects malfunctions and displays corresponding error codes on the Triple Display. Note down the error code and refer to the manual's troubleshooting chart or contact service for assistance.



Image: Icon representing the Self Diagnosis feature.

8. TECHNICAL SPECIFICATIONS

Specification	Detail
Brand	DAIKIN
Model Number	MTKL50U
Capacity	1.5 Tons
Cooling Power	17100 British Thermal Units
Energy Efficiency (BEE Star Rating)	3 Star
Annual Energy Consumption	966.47 Kilowatt Hours Per Year
Seasonal Energy Efficiency Ratio (SEER)	4
Refrigerant	R-32
Compressor Type	Rotary Scroll (Inverter Swing Compressor)
Condenser Coil Material	Copper
Noise Level (IDU)	30 Decibels
Product Dimensions (IDU)	22.9D x 88.5W x 29.8H Centimeters

Product Dimensions (Outdoor)	30D x 84.5W x 59.5H Centimeters
Item Weight (IDU)	13.5 Kg
Item Weight (Outdoor)	33 Kg
Voltage	230 Volts
Filter Type	PM 2.5
Special Features	3D Airflow, Dew Clean Technology, High Ambient Operation upto 52°C, PM 2.5 Filter, Triple Display, Stabilizer Free Operation (130-265V), Coanda Airflow, Power Chill, Anti-corrosion treatment

The image displays a Daikin AC unit mounted on a blue wall. To the left of the unit is a large, colorful energy label. The label features a semi-circular star rating graphic with five stars, where the first three are filled (1, 2, 3) and the last two are outlined (4, 5). Below the stars, it says "MORE STARS MORE SAVINGS". The main heading on the label is "POWER SAVINGS GUIDE". Below this is a green box with "ENERGY EFFICIENCY" and "ISEER - 4.00*". The label period is "1st July 2022 - 31st Dec 2025". A table of specifications is provided, and the BEE logo is at the bottom. To the right of the unit, there are two icons: "ENERGY EFFICIENT" with a coin icon and "POWER SAVER" with a piggy bank icon. A potted plant is visible on the right side of the unit.

INVERTER

DAIKIN

POWER SAVINGS GUIDE

ENERGY EFFICIENCY
ISEER - 4.00*
Label Period : 1st July 2022 - 31st Dec 2025

Appliance/Type	: RAC/Split
Brand	: DAIKIN
Model/Year	: MTKL50UV16UA+RKL50UV16VA/2024
Cooling Capacity (100%)	: 5000 (W)
Cooling Capacity (50%)	: 2500 (W)
Electricity Consumption	: 966.47 Units Per Year
Compressor Type	: Variable Speed
Heat Pump	: No

ENERGY IS LIFE
BEE
CONSERVE IT
BEE/AAH/02/008/10

*Under test conditions, when tested in accordance with ISO 16358 & based on 1600 operating hours per annum.
Actual electricity consumption will depend on how the appliance being used.

ENERGY EFFICIENT

POWER SAVER

Image: Daikin AC Energy Label, indicating 3-star rating and ISEER 4.00.

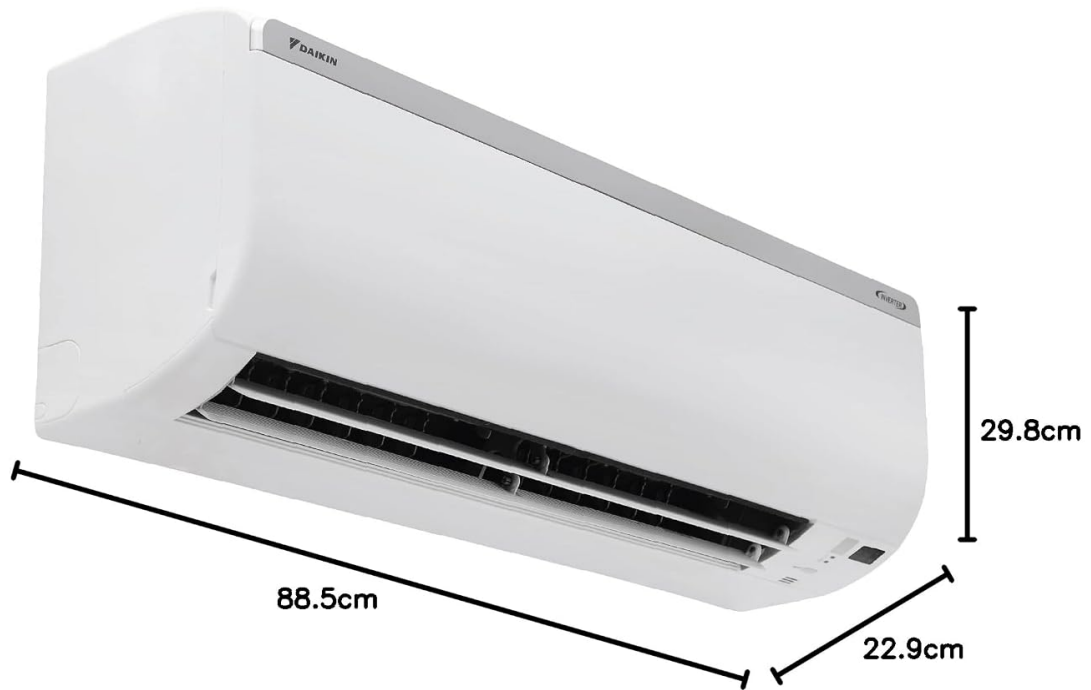


Image: Daikin AC Indoor Unit with dimensions (88.5cm W x 29.8cm H x 22.9cm D).

9. WARRANTY AND SUPPORT

Your Daikin 1.5 Ton 3 Star Inverter Split AC comes with a comprehensive warranty:

- **1 Year Warranty** on the Product
- **5 Years Warranty** on the PCB (Printed Circuit Board)
- **10 Years Warranty** on the Inverter Compressor

For any service requests, technical assistance, or warranty claims, please contact Daikin customer support. Refer to the contact information provided in the included manual or visit the official Daikin India website.

10. PRODUCT VIDEOS

Watch these official videos for more information on your Daikin AC:

Daikin 1.5-ton 3-Star Inverter Split AC Overview

Video description: This video provides an overview of the Daikin 1.5-ton 3-Star Inverter Split AC, highlighting its key features and benefits for home use.

Daikin MTKL 3 Star Inverter Series

Video description: This video showcases the Daikin MTKL 3 Star Inverter Series, detailing its design, energy efficiency, and advanced cooling technologies.

Daikin Power Chill Operation

Video description: This video demonstrates the Power Chill operation of Daikin ACs, illustrating how it provides instant cooling even in high ambient temperatures.

Daikin Neo Swing Compressor

Video description: This video explains the technology behind Daikin's Neo Swing Compressor, highlighting its role in quiet, efficient, and durable AC operation.