

*Daikin air conditioners  
for shops, department  
stores and warehouses*

UATY-K

ROOF  
TOP  
UNIT





Option

Daikin UATY air cooled roof top units are the solution to provide comfort cooling/heating to large rooms such as department stores and warehouses. The units can be installed on the roof or on the floor.

Roof top units are available in heat pump (UATY) version. Supply and return air is distributed via ducts, enabling an optimised air distribution and only exposing the inlet and air discharge grilles.

## *Easy installation*

The unit is assembled, internally wired and charged with refrigerant in the factory and is subject to stringent test operation before delivery. Only ducting, power line and drain piping are required on site, which greatly reduces installation costs and work.

The unit is particularly compact and light, ensuring easy handling and installation.

## *Casing*

The casing is made of paintable galvanised steel plate and anti-corrosion treated. Since the unit is installed outdoors, the casing is completely weather proof.

## *Compressor*

The heat pump units UATY-K are equipped with a Daikin scroll compressor, ensuring high durability and low sound level.

The recycling guard timer prevents frequent ON/OFF switching, and protects the compressor against overloads due to short cycling.

## *Microcomputer type deicer*

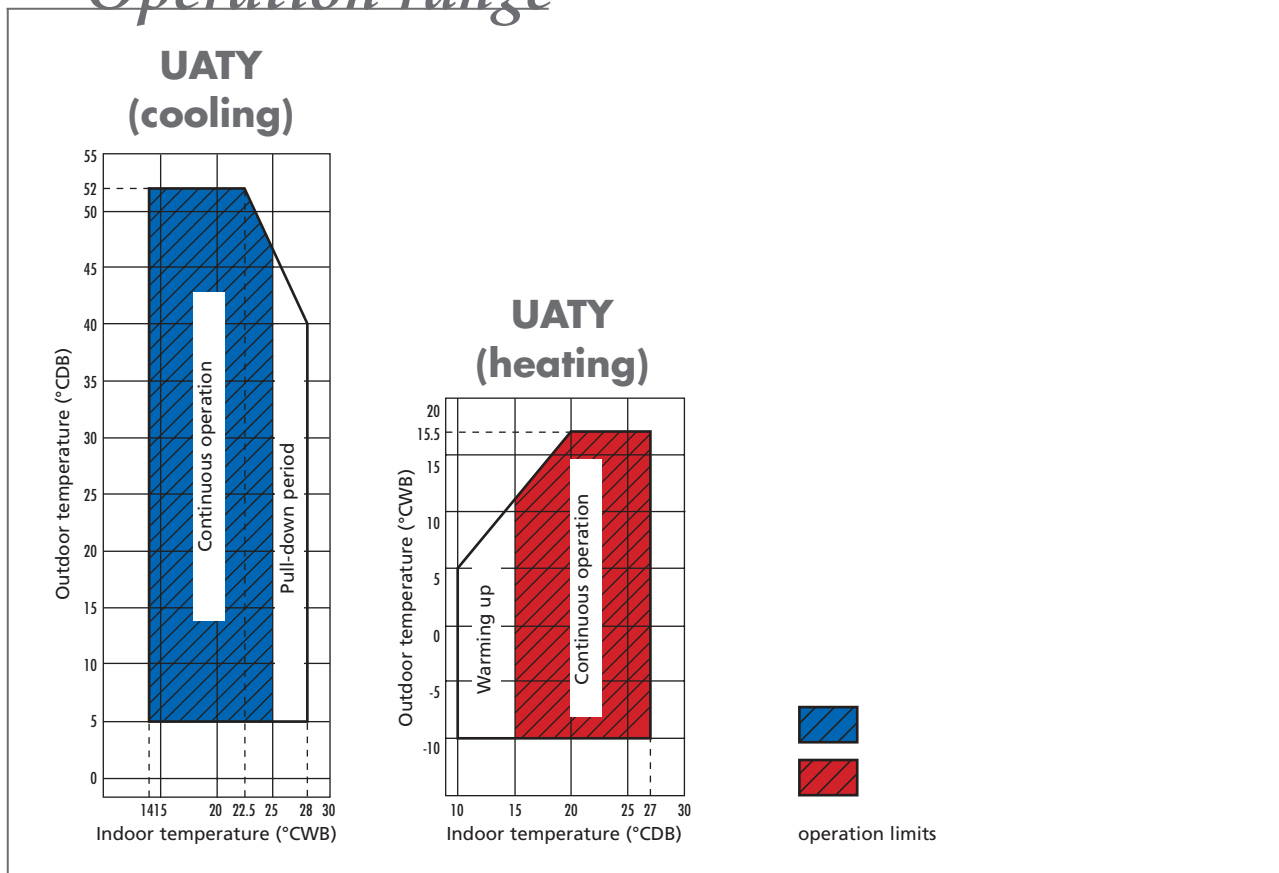
The microcomputer type deicer is capable of sensing both refrigerant and outdoor temperature with its high sensible dual thermistors, and eliminates frost from the outdoor coil when outdoor temperature is low.



UATY

# UATY-K

## Operation range



## Evaporator & condenser

Efficient cross fin coils are used: the unique waffle louvre fins maximise heat exchange efficiency, while the Hi-X(a) copper tubes, featuring an inner spiral groove, fully exploits refrigerant turbulence to help increase heat exchange efficiency. The result is substantial energy savings. The fins are finished with special acrylic coating (PE fin), and highly resistant to corrosion due to acid rain, sea breeze, etc.

## Remote control

A mechanical type of remote control is available as option (KRC17-2B). It encases a sensible thermostat to ensure accurate temperature control. In case of using this remote control, a three minutes timer is required (field supply) for protecting the compressor.

# ROOF TOP UNIT

UATY-K			UATY06KY19	UATY08KY19	UATY09KY19	UATY10KY19	UATY15KY19	UATY18KY19	UATY21KY19
Cooling capacity		kW	17.7	22.0	26.4	31.4	43.9	52.7	61.6
Heating capacity		kW	18.1	23.0	26.9	32.1	46.1	54.2	62.8
Power input	cooling	kW	5.8	6.3	8.2	9.9	13.0	17.1	19.8
	heating	kW	5.3	5.7	7.7	9.4	11.8	15.8	18.5
Dimensions	HxWxD	mm	1,490x690x1,750	1,270x1,600x1,280	1,270x1,600x1,280	1,490x1,600x1,280	1,270x1,980x1,980	1,270x1,980x1,980	1,490x1,980x1,980
Weight		kg	230	326	329	344	650	656	686
Casing colour			paintable galvanised steel plate / ivory white						
Duct connection	return air	mm	530x932	488x917	488x917	576x952	572x1,372	572x1,372	748x1,372
	supply air	mm	270x739	297x878	297x878	297x878	343x1,042	343x1,042	343x1,042
Maximum ESP		mmH <sub>2</sub> O	9	10	10	10	15	15	15
Nominal air flow (indoor fan)		m <sup>3</sup> /min	52	68	68	83	136	136	166
Compressor		type	hermetically sealed scroll						
Refrigerant charge (R-22)		kg	3.2	4.4	4.4	5.5	2x4.7	2x4.7	2x6.0
Sound pressure level		dB(A)	62	63	63	64	66	66	67
Standard operation range	from ~ to (cooling)	°CDB	5 ~ 52	5 ~ 52	5 ~ 52	5 ~ 52	5 ~ 52	5 ~ 52	5 ~ 52
	from ~ to (heating)	°CWB	-10 ~ 15.5	-10 ~ 15.5	-10 ~ 15.5	-10 ~ 15.5	-10 ~ 15.5	-10 ~ 15.5	-10 ~ 15.5

## Notes:

1. Nominal cooling capacities are based on: indoor temperature 27°CDB/19.5°CWB • outdoor temperature 35°CDB • high fan speed
2. Nominal heating capacities are based on: indoor temperature 21°CDB • outdoor temperature 7°CDB/6°CWB
3. For high static options e.g. motor size up and fan motor pulley, please refer to the Technical Data.
4. The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value, depending on the distance and acoustic environment. (for measuring conditions please refer to the Technical Data)
5. Please contact your Daikin dealer for available options.

Make sure for an installation!



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and ozone-friendly refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of environmental friendly products. This challenge demands the eco design and development of a wide range of products and an energy management system; which involves energy conservation and reduction of waste.

Daikin products are distributed by:



Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.



ISO 14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



Daikin units comply with the European regulations that guarantee the safety of the product.

Specifications are subject to change without prior notice

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