

Air conditioners

# Heating & Cooling

## **R-407C**

- » **'Plug and play'**  
for easy installation
- » **High efficiency**
- » **Compact unit**
- » **Factory pre-charged  
refrigerant**
- » **Belt-driven fan**

Rooftop, an economical solution for medium to large spaces



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UATYP-AY1(B)



REMOTE CONTROL

## High efficiency

Supplied with high efficiency and reliable scroll compressors, optimized heat exchangers and high-performing fans, the rooftop UATYP series are designed to ensure a high energy efficiency and reduced consumption.

## Plug and play installation

The single unit configuration requires no additional piping work as both the indoor and outdoor sides are pre-connected. Once the ductwork is installed, the only thing left to do is connect the unit.

## Flexibility of air supply

Since all the units utilize an adjustable belt/ pulley driven supply air fan as standard, the units are able to meet a wide range of supply air volumes and external static pressures. Furthermore, the supply air fan motors, pulleys and belts (field supplied) can be easily changed on site to meet exact air flow and ESP requirement if required.

## Design

The rooftop UATYP unit's flat top design allows for maximum utilization of warehouse and container space. Further all components are manufactured to withstand attacks of atmospheric agents, thanks to the anti-corrosion treatment.

## Electrical control capability

- › **Sequential LCD**  
The sequential LCD incorporates a 7 day programmable timer, compressor run/error status indicator and cool/heat/fan/dry/auto modes etc.
- › **SLM controller**  
SLM controller features include 15 hour delay timer and cool/heat/fan/dry/auto modes etc.  
Part loading of system capacity is possible via the use of Daikin sequential PAC packaged air conditioning control for multiple compressor rooftop units.

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INDOOR UNIT				UATYP850AY1B	UATYP10AY1	UATYP12AY1	
Cooling capacity	Nom.			kW	78.6 (3)	101.110 (3)	109.609 (3)
Heating capacity	Nom.			kW	87.78 (3)	102.290 (3)	126.314 (3)
Power input	Cooling	Nom.		kW	36.10	43.170	48.200
	Heating	Nom.		kW	32.10	41.670	46.800
EER					2.18	2.34	2.27
COP					2.73	2.45	2.70
Evaporator	Air flow rate	Cooling		m <sup>3</sup> /min	263.33	312	354
	External static pressure			Pa	294		
Evaporator piping connections	Condensation drain size	OD		mm	25.40		
Condenser	Dimensions	Unit	HeightxWidthxDepth	mm	1,735x2,250x2,800	1,974x2,252x3,180	
	Weight	Unit		kg	1,350	1,510	1,600
Casing	Colour				Light grey		
	Material				Electro-galvanised mild steel		
Air flow rate	Cooling			cfm	-	20,000	
	Operation range	Cooling	Min.~Max.	°CDB	20~46		
Sound power level	Heating	Min.~Max.	°CWB		-15~20		
	Nom.			dBA	-		
Refrigerant	Type				R-407C		
	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415	3~/50/380-415	

(1) All specifications are subjected to change by the manufacturer without prior notice. (2) All units are being tested and comply to ISO5151. (3) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB (4) Sound pressure levels are according to JIS B 8615 standard. Position of the measurement is 1m in front and 1m below the unit. (5) Designation based on cooling cycle.



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