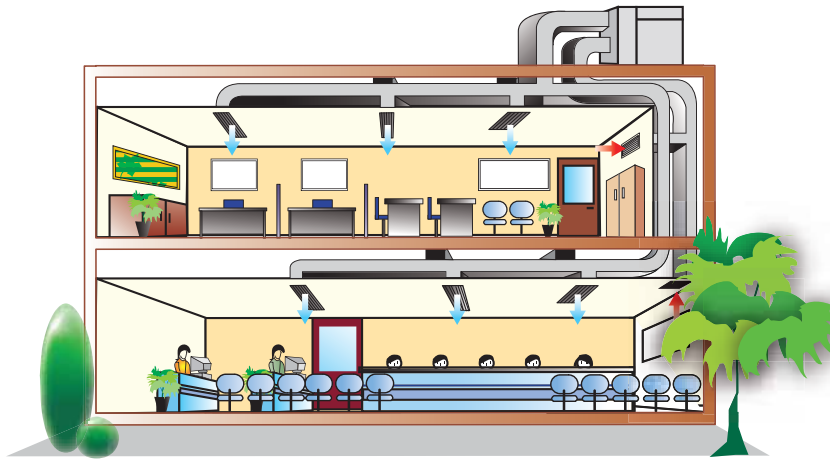


# Air-Cooled Rooftop Packaged A-Series



UAT(Y)P60/80/100/120/150/200/250/300/360/420AGXY1



## Cabinet & Base Construction

Daikin rooftop is equipped with a solid base foundation and compact cabinet. The weatherproofed electro galvanized mild steel casing is coated with epoxy polyester powder for protection against corrosion.

All Daikin rooftop designs were rigorously rain tested at the factory to ensure the water integrity.

## Insulation

10mm thickness, fire-resistant Polyethylene is used at every possible condensate panel to prevent all forms of water or moisture penetration. Polyethylene, which is also a type of Closed Cell Foam (CCF) insulation has offered the following advantages:

- Durable external surface that resists dirt tough and resilient.
- Higher degree of puncture resistance when compared to fiberglass.
- Easily cleaned surface (if necessary) to further resist microbial growth.

## Components

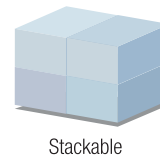
- Expansion device: Optimized capillary tube is used for better performance. However, thermal expansion valves spec can be specified in any project requirement.
- Compressor: Each high efficiency scroll type compressor is hermetically sealed, quiet running and supported on rubber mounts to minimize vibration.
- Indoor Fan: A dynamically balanced forward curved fan with a field changeable pulley package, in order to match the designed supply air requirements.
- Outdoor Fan: IP54 rated condenser fan is being used for UAT(Y)P250/300/360/420AGXY1.

## Safety Features

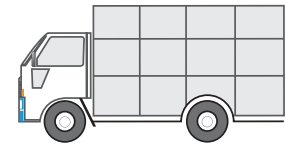
- High Pressure and loss of refrigerant protection.
- Compressor & motor current overload protection.
- Sensor fault indication.
- Minimum compressor's running time to ensure oil return.
- Phase sequencer is used to detect for any wrong phase and phase loss during installation and operation.

## Flat Top Design

Unit's flat top design allows the unit to be stacked up at warehouse or even during transportation, resulting in maximum utilization of warehouse and container space.



Stackable



## Auto-Random Restart

Whenever unit stop due to power failure during operation unit automatically restarts at last setting condition once the power is resumed. However, the compressors will restart randomly if more than one unit is installed and share the same phase of power. Option is provided to cancel this feature.

## Microprocessor Unit Controls

- Standard units are equipped with microprocessor controller and every unit comes with a microprocessor operated handset. Basic functions of these handset are:
  - Mode selection.
  - Temperature Setting.
  - Timer (delay timer for BRC51B and real time timer for BRC51C).
  - Error code display.

## Refrigeration System

- The UAT(Y)P-A series are factory charged with zero ozone depleting potential HFC refrigerant, R407-C.

### Standard Wired Handset

Single compressor system  
- UAT(Y)P60-120AGXY1



BRC51B63 (H/P)  
BRC51B64 (C/O)

Multi compressor system  
- UAT(Y)P150-420AGXY1



BRC51C61 (H/P & C/O)

# Air-Cooled Rooftop Packaged A Series



UATP60/80/100/120/150/200/250/300/360/420AGXY1

- › Flat top design
- › Microprocessor controlled
- › Partial loading (for 2 compressor system)
- › Easy installation
- › Single compressor system: Wired handset BRC51B64 (C/O) is supplied as standard
- › Multi compressor system: Wired handset BRC51C61 (H/P & C/O) is supplied as standard

## Specification for Rooftop A Series - Cooling

Model Name		UATP60AGXY1	UATP80AGXY1	UATP100AGXY1	UATP120AGXY1	UATP150AGXY1	
Nominal Cooling Capacity	Btu/h	59000	72000	95000	110000	140000	
	W	17291	21101	27840	32238	41030	
Nominal EER	W/W	2.94	2.43	2.40	2.65	2.39	
Evap.	Air Flow	CFM	1800	2826	3532	3600	5651
	External Static Pressure	Pa	98	98	98	98	196
Cond.	Power Supply	V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Sound Pressure Level	dBA	63	65	66	68	70
Height	mm	1000	1000	1000	1000	1200	
Width	mm	1100	1300	1300	1300	1990	
Depth	mm	1530	1530	1530	1530	1800	
Net Weight	kg	295	370	400	425	665	

Model Name		UATP200AGXY1	UATP250AGXY1	UATP300AGXY1	UATP360AGXY1	UATP420AGXY1	
Nominal Cooling Capacity	Btu/h	190000	230000	275000	331000	415000	
	W	55684	67406	80600	97007	121624	
Nominal EER	W/W	2.22	2.35	2.13	2.32	2.49	
Evap.	Air Flow	CFM	6710	8000	9600	11000	12500
	External Static Pressure	Pa	196	294	294	294	294
Cond.	Power Supply	V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Sound Pressure Level	dBA	70	74	74	70	70
Height	mm	1200	1735	1735	1974	1974	
Width	mm	1990	2250	2250	2252	2252	
Depth	mm	1800	2800	2800	3180	3180	
Net Weight	kg	765	1200	1350	1510	1600	

# Air-Cooled Rooftop Packaged A Series



UATYP60/80/100/120/150/200/250/300/360/420AGXY1

- › Flat top design
- › Microprocessor controlled
- › Partial loading (for 2 compressor system)
- › Easy installation
- › Single compressor system: Wired handset BRC51B63 (H/P) is supplied as standard
- › Multi compressor system: Wired handset BRC51C61 (H/P & C/O) is supplied as standard

## Specification for Rooftop A Series - Cooling and Heating

Model Name		UATYP60AGXY1	UATYP80AGXY1	UATYP100AGXY1	UATYP120AGXY1	UATYP150AGXY1	
Nominal Cooling Capacity	Btu/h	56000	72000	88000	100000	149000	
	W	16705	21101	25790	29307	43668	
Nominal Heating Capacity	Btu/h	69000	77000	102000	122000	160000	
	W	20222	22566	29893	35755	46891	
Nominal EER	W/W	2.47	2.51	2.38	2.29	2.64	
Nominal COP	W/W	3.07	2.99	3.05	3.17	2.98	
Evap.	Air Flow	CFM	1800	2826	3532	3600	5651
	External Static Pressure	Pa	98	98	98	98	196
Cond.	Power Supply	V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Sound Pressure Level	dBA	63	65	66	68	70
Height	mm	1000	1000	1000	1000	1200	
Width	mm	1100	1300	1300	1300	1990	
Depth	mm	1530	1530	1530	1530	1800	
Net Weight	kg	320	385	415	440	700	

Model Name		UATYP200AGXY1	UATYP250AGXY1	UATYP300AGXY1	UATYP360AGXY1	UATYP420AGXY1	
Nominal Cooling Capacity	Btu/h	190000	230000	268200	345000	374000	
	W	55684	67406	78600	101110	109609	
Nominal Heating Capacity	Btu/h	230000	255000	299500	349000	431000	
	W	67406	74733	87780	102290	126314	
Nominal EER	W/W	2.63	2.31	2.17	2.34	2.27	
Nominal COP	W/W	3.32	2.85	2.73	2.45	2.70	
Evap.	Air Flow	CFM	6710	8000	9600	11000	12500
	External Static Pressure	Pa	196	294	294	294	294
Cond.	Power Supply	V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Sound Pressure Level	dBA	70	74	74	70	70
Height	mm	1200	1735	1735	1974	1794	
Width	mm	1990	2250	2250	2252	2252	
Depth	mm	1800	2800	2800	3180	3180	
Net Weight	kg	800	1200	1350	1510	1600	