



A I R C O N D I T I O N I N G

ROOFTOP UNIT



www.daikin.eu

UAT-AY1
UATY-AY1



R-22

HIGH EFFICIENCY

Supplied with high efficiency and reliable scroll compressors (cooling only format and classes 180, 320, 700, 850, C10, C12 in heat pump format), optimized heat exchangers and high-performing fans, the rooftop UAT(Y) series are designed to ensure a high energy efficiency and reduced consumption.

PACKAGED UNIT

The unit's unique air conditioning 'plug and play' concept and single unit configuration allow hassle free installation without the need for additional piping since both indoor and outdoor sides are pre-connected. Factory pre-charged refrigerant ensures clean and efficient operation.

FLEXIBILITY OF AIR SUPPLY

A belt driven fan is used such that the air volume and static pressure required can be adjusted according to the requirements. This flexibility allows for wider application and offers the possibility to reach the best working conditions considering the unit's characteristics.



| COOLING ONLY | | | | UAT180AY1 | |
|--------------|--------------------------|---------------|---------------------|---------------------|-------------------|
| Capacity | cooling | minimum | kW | 17.291 | |
| Power input | cooling | nominal | kW | 5.61 | |
| EER | cooling | | | 3.08 | |
| Evaporator | control | air discharge | | | |
| | | operation | | SLM Controller | |
| | air flow rate | cooling | m ³ /min | 51 | |
| | external static pressure | | Pa | 98 | |
| Condensor | condensation drain size | diameter | (OD) | mm | |
| | casing | colour | | | |
| | | material | | | |
| | dimensions | unit | HxWxD | mm | 1,000x1,100x1,530 |
| | weight | unit | | kg | 295 |
| | face area | | | m ² | 1.41 |
| | air flow rate | cooling | | m ³ /min | 127 |
| | motor | output | | W | 400 |
| | compressor | quantity | | | 1 |
| | | motor | type | | |
| | operation range | cooling | min-max | °CDB | |
| | sound level (nominal) | sound power | | dBA | 63 |
| | refrigerant | type | | | |
| charge | | | kg | 5.2 | |
| Power Supply | | | Y1 | | |
| HEAT PUMP | | | | UATY180AY1 | |
| Capacity | cooling | minimum | kW | 16.705 | |
| | heating | nominal | kW | 20.222 | |
| Power Input | cooling | nominal | kW | 6.31 | |
| | heating | nominal | kW | 6.36 | |
| EER | cooling | | | 2.65 | |
| COP | heating | | | 3.18 | |
| Evaporator | control | air discharge | | | |
| | | operation | | SLM Controller | |
| | air flow rate | cooling | m ³ /min | 51 | |
| | external static pressure | | Pa | 98 | |
| Condensor | condensation drain size | diameter | OD | mm | |
| | casing | colour | | | |
| | | material | | | |
| | dimensions | unit | HxWxD | mm | 1,000x1,100x1,530 |
| | weight | unit | | kg | 320 |
| | face area | | | m ² | 1.41 |
| | air flow rate | cooling | | m ³ /min | 127 |
| | motor | output | | W | 400 |
| | compressor | quantity | | | 1 |
| | | motor | type | | Scroll type |
| | operation range | cooling | min-max | °CDB | |
| | | heating | min-max | °CWB | |
| | sound level (nominal) | sound power | | dBA | 63 |
| refrigerant | type | | | | |
| | charge | | kg | 4.5 | |
| Power Supply | | | Y1 | | |

FLEXIBILITY OF INSTALLATION

The inlet and discharge air flow direction (horizontal in standard configuration) can be shift to the vertical mode, by simply repositioning the fan group (UAT(Y)320AY1 only).

DESIGN

The rooftop UAT(Y) 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.

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.



| UAT240AY1 | UAT280AY1 | UAT320AY1 | UAT450AY1 | UAT560AY1 | UAT700AY1 | UAT850AY1 | UATC10AY1 | UATC12AY1 |
|-------------------------------|--------------------|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 23.446 | 29.307 | 33.996 | 43.961 | 58.614 | 73.268 | 87.921 | 96.420 | 118.401 |
| 8.10 | 10.50 | 11.56 | 15.60 | 20.70 | 27.56 | 35.96 | 39.87 | 46.80 |
| 2.89 | 2.79 | 2.94 | 2.82 | 2.83 | 2.66 | 2.44 | 2.42 | 2.53 |
| Ducted | | | | | | | | |
| SLM Controller | SLM Controller | SLM Controller | Sequential Controller | Sequential Controller | Sequential Controller | Sequential Controller | Sequential Controller | Sequential Controller |
| 80 | 100 | 102 | 160 | 190 | 227 | 272 | 312 | 354 |
| 98 | 98 | 98 | 196 | 196 | 294 | 294 | 294 | 294 |
| 25.4 | | | | | | | | |
| Light Grey | | | | | | | | |
| Electro galvanised mild steel | | | | | | | | |
| 1,000x1,300x1,530 | 1,000x1,300x1,530 | 1,000x1,300x1,530 | 1,200x1,990x1,670 | 1,200x1,990x1,670 | 1,735x2,250x2,800 | 1,735x2,250x2,800 | 1,974x2,252x3,180 | 1,974x2,252x3,180 |
| 370 | 400 | 425 | 665 | 765 | 1,200 | 1,350 | 1,510 | 1,600 |
| 1.41 | 1.42 | 1.42 | 2 x 1.25 | 2 x 1.25 | 2 x 3.01 | 2 x 3.01 | 3.50 | 3.50 |
| 160 | 160 | 227 | 320 | 320 | 566 | 566 | 566 | 566 |
| 550 | 550 | 580 | 550 | 550 | 1,500 | 1,500 | 3,465 | 3,465 |
| 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| Scroll type | | | | | | | | |
| 20°C - 54°C | | | | | | | | |
| 65 | 66 | 68 | 70 | 70 | 74 | 74 | 80 | 80 |
| R-22 | | | | | | | | |
| 4 | 5.9 | 6.2 | 2 x 4.5 | 2 x 5.9 | 2 x 10.5 | 2 x 10.4 | 16.5 & 19.5 | 2 x 19.5 |
| 3 ~ /50Hz/380-415V | | | | | | | | |
| UATY240AY1 | UATY280AY1 | UATY320AY1 | UATY450AY1 | UATY560AY1 | UATY700AY1 | UATY850AY1 | UATYC10AY1 | UATYC12AY1 |
| 23.446 | 29.307 | 30.772 | 43.961 | 58.614 | 68.872 | 84.991 | 98.180 | 112.539 |
| 23.035 | 30.772 | 34.582 | 45.426 | 60.959 | 73.854 | 86.456 | 101.990 | 120.745 |
| 9.40 | 11.86 | 11.60 | 18.60 | 23.50 | 27.66 | 37.16 | 39.21 | 46.40 |
| 7.80 | 10.05 | 11.20 | 15.40 | 20.40 | 26.36 | 32.66 | 35.83 | 40.80 |
| 2.49 | 2.47 | 2.65 | 2.36 | 2.49 | 2.49 | 2.29 | 2.50 | 2.43 |
| 2.95 | 3.06 | 3.09 | 2.95 | 2.99 | 2.80 | 2.65 | 2.85 | 2.96 |
| Ducted | | | | | | | | |
| SLM Controller | SLM Controller | SLM Controller | Sequential Controller | Sequential Controller | Sequential Controller | Sequential Controller | Sequential Controller | Sequential Controller |
| 80 | 100 | 102 | 160 | 190 | 227 | 272 | 312 | 354 |
| 98 | 98 | 98 | 196 | 196 | 294 | 294 | 294 | 294 |
| 25.4 | | | | | | | | |
| Light Grey | | | | | | | | |
| Electro galvanised mild steel | | | | | | | | |
| 1,000x1,300x1,530 | 1,000x1,300x1,530 | 1,000x1,300x1,530 | 1,200x1,990x1,800 | 1,200x1,990x1,800 | 1,735x2,250x2,800 | 1,735x2,250x2,800 | 1,974x2,252x3,180 | 1,974x2,252x3,180 |
| 385 | 415 | 440 | 700 | 800 | 1,200 | 1,350 | 1,510 | 1,600 |
| 1.41 | 1.42 | 1.42 | 2 x 1.25 | 2 x 1.25 | 2 x 3.01 | 2 x 3.01 | 3.50 | 3.50 |
| 160 | 160 | 283 | 320 | 320 | 566 | 566 | 566 | 566 |
| 550 | 550 | 1250 | 550 | 550 | 1,500 | 1,500 | 3,465 | 3,465 |
| 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| Reciprocating type | Reciprocating type | Scroll type | Reciprocating type | Reciprocating type | Scroll type | Scroll type | Scroll type | Scroll type |
| 20°C - 54°C | | | | | | | | |
| -15°C - 20°C | | | | | | | | |
| 65 | 66 | 68 | 70 | 70 | 74 | 74 | 80 | 80 |
| R-22 | | | | | | | | |
| 4.7 | 5.6 | 6.0 | 2 x 4.7 | 2 x 5.6 | 2 x 10.0 | 2 x 9.4 | 16.0 & 20.5 | 2 x 20.5 |
| 3 ~ /50Hz/380-415V | | | | | | | | |



In all of us,
a green heart



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and 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 products that have limited impact on the environment.

This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



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.

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