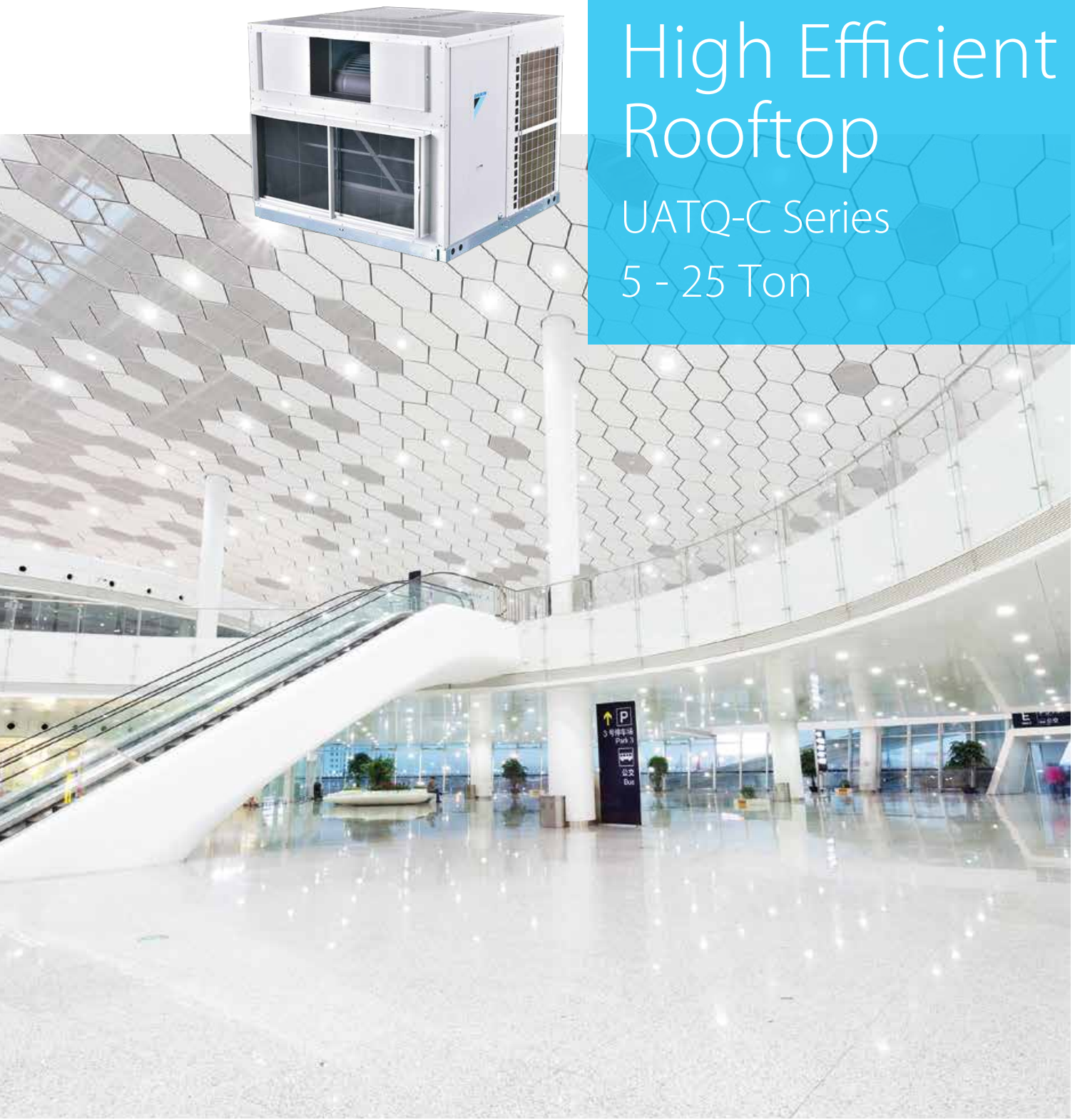
DAIKIN

Innovative and Efficient Solutions for You



High Efficient Rooftop

UATQ-C Series

5 - 25 Ton

هيئة الإمارات للمواصفات والمقاييس
Emirates Authority For Standardization & Metrology

ECAS

EWA
هيئة الكهرباء والماء
Electricity & Water Authority
Kingdom of Bahrain

High Ambient

R-410A

Exceptional performance in a compact design

Main Features

High Efficiency

High efficiency scroll compressors, optimized heat exchangers and high-performing fans, the rooftop UATQ-C series is designed to ensure a high energy efficiency and reduced power consumption.

High Ambient Design

- Specially designed to deliver top performance in both standard and high ambient temperature conditions, in terms of capacity and efficiency. Less than 15% capacity deterioration at T3 with continious operation up to 52°C.
- Higher efficiency: EER up to 4.05 W/W (13.51 Btu/hr/W)

Third party proven performances

The cooling performances and energy efficiency of the system are tested and verified by internationally accredited laboratory, i.e Intertek meeting or exceeding GCC standards (i.e ESMA, ESTIDAMA and MEW)

Wide operation range

The units operate from 19°CDB to 52°CDB in cooling mode.

19°CDB 52°CDB

Auto random restart with last state memory

The controller ensure individual unit restarts randomly and automatically with previous operation setting , to prevent power surge after a blackout.

Compact and light

The flat top design of the unit allows for maximum utilization of warehouse and container space, while the light frame ensures ease of handling and installation.

External Service

Pressure can be checked without opening the unit.

Indoor air quality

- The standard washable filter can easily be accessed for facilitated maintenance.
- An additional field supplied filter can easily be installed on the 2 inch rail to meet the indoor air quality requirements of the application.

Flexibility of Air supply

A belt driven fan is used such that the air volume and static pressure needed 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.

Corrosion Protection indoor and outdoor

UltraGold fin condenser and evaporator coils are standard on all units for superior corrosion protection even in the harshest environment especially in coastal areas (1000 Hrs salt spray tested.)

Coil Guard

The condenser coil is protected by coil guard to prevent accidental damage during transportation, handling and installation.

Dust Proof Sealed Bearings

Ensures the reliability of outdoor motor and smooth operation all year around.

Phase Protection

A three phase line monitor module protects the unit components against phase less, phase reversal and phase unbalance.

Independent Staged Cooling

The unit is designed with two independent refrigerant circuits, each controlled separately for maximum part load efficiency and durability.

Optional Accessory

BMS ACCESS GATEWAY (BAG)		
Dry Contact	Inputs	✓ Force OFF ✓ ON/OFF ✓ Operating mode (Cool/Heat) ✓ Temperature setting
	Outputs	✓ ON/OFF Status ✓ Operating mode (Cool/Heat) ✓ Fault/ Error

Controller Features

- Real time clock with 7 days programmable timer.
- Temperature setting of 16 ºC to 30 ºC.
- Energy saving mode.
- 4 wire thermostat
- Compressor balance loading to optimise lifetime.
- Key lock function.
- Error code display

Cooling Only

INDOOR UNIT			UATQ60C	UATQ90C	UATQ120C	UATQ150C	UATQ180C	UATQ210C	UATQ240C	UATQ300C
Cooling Capacity		Btu/hr (1)	61,000	90,000	121,500	150,000	181,000	213,000	241,000	304,000
		Btu/hr (2)	51,780	77,000	103,300	129,000	156,000	184,500	208,000	258,000
		Btu/hr (3)	50,800	75,000	99,600	123,500	147,000	168,000	192,000	240,000
Power Consumption		kW (1)	4.52	7.20	9.45	12.00	14.72	16.90	19.28	24.52
		kW / TR (3)	1.38	1.49	1.52	1.52	1.52	1.52	1.55	1.55
EER		Btu/hr/W (1)	13.50	12.50	12.86	12.50	12.30	12.60	12.50	12.40
		Btu/hr/W (2)	9.15	8.95	9.08	8.92	9.00	9.25	9.12	8.85
Indoor External Static Pressure		Pa	50-500	50-500	50-500	50-500	50-500	50-500	50-500	50-500
Airflow		cfm	2,000	2,800	4,400	5,000	7,000	7,600	8,000	10,000
Outdoor Sound Performance	Sound Pressure	dBA	61	62	65	67	68	69	70	72
	Sound Power	dBA	81	83	83	85	87	89	89	92
Dimensions	Height	mm	1,150	1,350	1,390	1,390	1,690	1,650	1,650	1,950
	Width	mm	1,280	1,280	1,965	1,965	1,965	2,410	2,410	2,410
	Depth	mm	1,520	1,520	1,630	1,630	1,905	2,030	2,030	2,030
Weight	Net	kg	350	380	590	650	840	930	940	1,090
	Gross	kg	370	400	620	680	870	970	980	1,130
Operating range	Cooling	°CDB	19 ~ 52							
Refrigerant			R-410A							
Power Supply		V/Ph/Hz	380-415/3/50							

(1) Nominal cooling capacity based on 27°CDB / 19°CWB indoor and 35°CDB outdoor

(2) Nominal cooling capacity based on 29°CDB / 19°CWB indoor and 46°CDB outdoor

(3) Nominal cooling capacity based on 26.6°CDB / 19.4°CWB indoor and 48°CDB outdoor

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE

Powerful Cooling
Rapid cooling and powerful, even if outside temperature is very high.

R-410A
Zero ozone depletion potential for a reduced impact on the environment.

Energy Saving
Daikin offers efficient operation on its equipment for lower electricity consumption. This also contributes to reduce CO_2 emissions.

User Friendly
Easy installation, easy operating procedures and friendly shape buttons.

Tropical Compressor
The tropical compressor is able to handle and operate fully under extreme weather conditions.

DAIKIN MIDDLE EAST AND AFRICA FZE

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