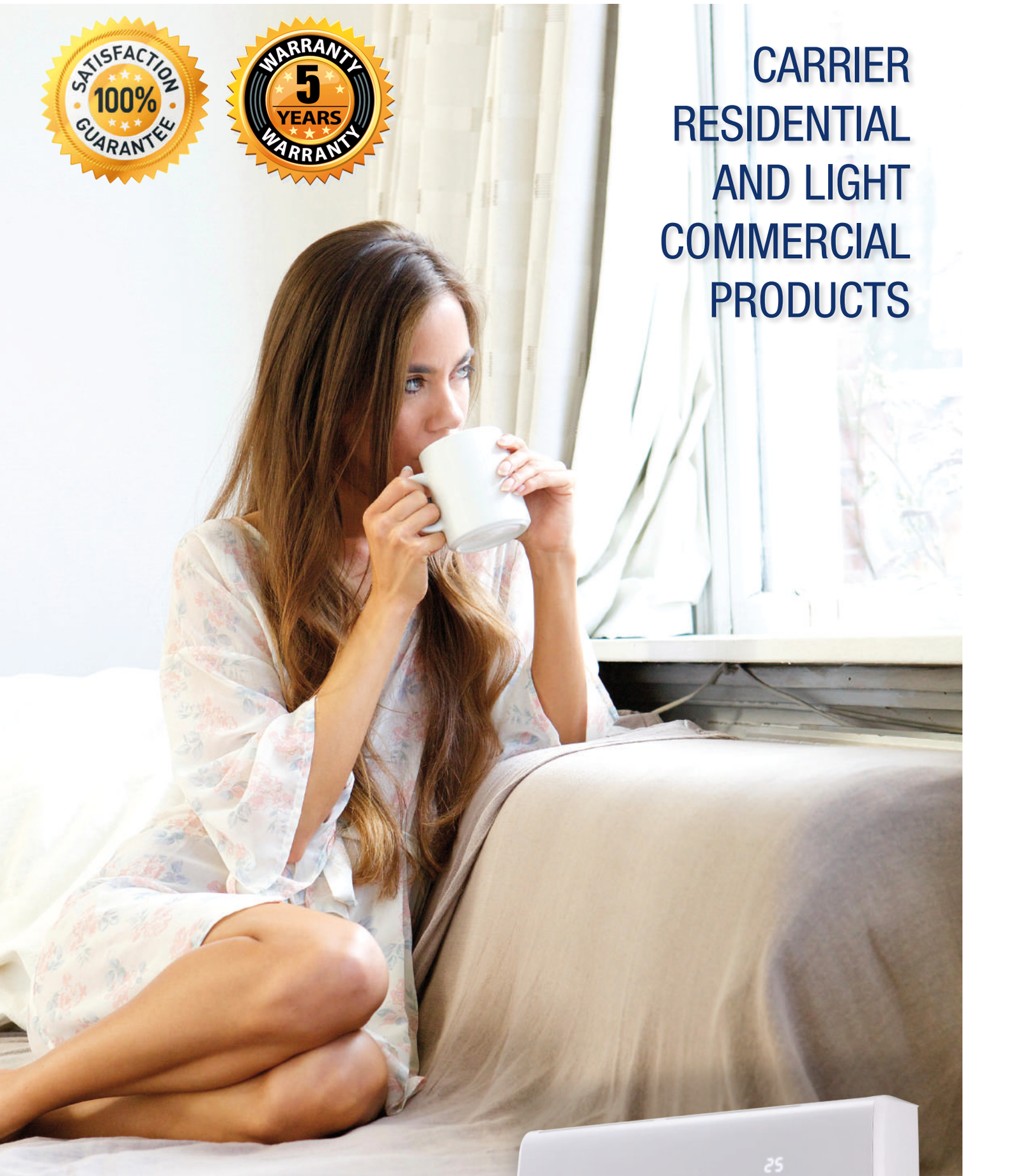


CARRIER RESIDENTIAL AND LIGHT COMMERCIAL PRODUCTS

Carrier

United Technologies

INDEX

Built on Willis Carrier's invention of modern air conditioning in 1902, Carrier is the world leader in heating, air-conditioning and refrigeration solutions. We constantly build upon our history of proven innovation with new products and services that improve global comfort and efficiency.

The Invention That Changed the World

In 1902, Willis Carrier solved one of mankind's most elusive challenges by controlling the indoor environment through modern air-conditioning. His invention enabled countless industries, promoting global productivity, health and personal comfort.

Today, Carrier innovations are found across the globe and in virtually every facet of daily life. We create comfortable and productive environments, regardless of the climate. We safeguard the global food supply by preserving the quality and freshness of food and beverages. We ensure health and well-being by enabling the proper transport and delivery of vital medical supplies under exacting conditions. We provide solutions, services and education to lead the green building movement. These mark just a handful of the ways that Carrier works to make the world a better place to live, work and play.

CHOOSE ‘EUROPEAN HEAT PUMP’ CERTIFICATION AND OFFER YOUR CUSTOMERS CERTIFIED COMFORT

EUROVENT CERTITA CERTIFICATION

THE EUROPEAN REFERENCE FOR THE CERTIFICATION OF HVAC&R PRODUCTS

Eurovent Certita Certification is a leading European certification body in the field of Indoor climate - Ventilation and Air quality - Refrigeration and the Food cold chain - with over 20 years of experience.

Based on a voluntary scheme, our certification is open to all manufacturers as well as to distributors who can apply via our Brand Name scheme. We deliver independent and reliable expertise for residential, commercial, and industrial applications. We certify product performances according to both European and international standards, and our certification processes include yearly factory assessment audits, software audits, and thirdparty product testing.

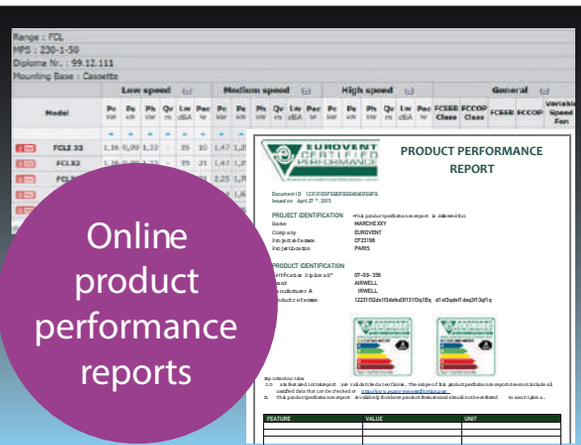
ENHANCING THE CONSUMER EXPERIENCE

Certification delivered by Eurovent Certita Certification provides important benefits for end-users that will guide them in their choice when purchasing certified products.

SAVING ENERGY AND MONEY

Certification helps to reduce energy costs and saves money. Based on product performance data that have been independently measured and verified. Our online database allows client to search between hundreds of certified models, enabling a fair product comparison to select the most cost effective solution.

By a simple, 24/7 connection to our website www.eurovent-certification.com you can download Product Preformance Reports that provide detailed performance features and values such as the COP (Coefficient Of Performance) or the Sound Power Level.



When it comes to quickly identifying the best energy efficient system, end-users can also rely on our energy efficiency labels that will guide them in their decision thanks to a clear display of the energy class, from A+ to E. Our robust ranking method is based on regular measurements of the actual units by independent testing laboratories. As a result, expectations for energy efficiency are fully met.

GUARANTEEING COMFORT

Third party certification, with its independent, stringent standards and processes, helps accelerate product improvements, enhancing the performance of certified products launched on the market. In addition to offering increased comfort, it also enables end-users to make healthy and sustainable product choices.

INCREASING CONSUMER CONFIDENCE

At last, our certification marks do not only give guidance but also confidence in the products. They guarantee that the products have been accurately tested and rated by an accredited and independent third-party and that they conform to standards and will perform as advertised.

The New Energy Label

Since 1995 the label has helped customers to make an informed choice when purchasing an appliance. In 2003, the success of the labelling scheme led the European Union to introduce two new classes for refrigerating appliances, A+ and A++. These new categories were placed on top of the A class to respond to a market-led demand for environmental-friendly products and to incentivize suppliers to develop even more efficient products in this category.

Revision of the label was necessary to ensure continued transparency and clarity of information for consumers. The label has been a driver of technological progress in appliances. Advances in product design now means that the energy label must be updated to remain informative and relevant. It will also continue to stimulate innovative efficiency gains.

The European Union has approved new labels to indicate energy efficiency beyond A. The new framework directive entered into force on 19 June 2010. It introduces a new energy label layout which has nonetheless kept its uniform and simple design characteristics across the different product categories.

The basic elements of the new label are:

- The initial A to G classification scale
- Colours from dark green (high energy efficiency) to red (low energy efficiency)
- Size of the label

Additional elements have been introduced:

- Depending on the product group, up to three additional classes (A+, A++, A+++) are added to the previous A-G classification scale. However, the seven-class structure of the old labeling system will be preserved: the introduction of new classes above A will be accompanied by the removal of existing bottom classes, from G upward.

- The new label is language-neutral: this is achieved by replacing text with pictograms which inform consumers about the characteristics and performance of the given product.

- Each single product will be supplied with the full new label. The current practice in some countries to provide the basic label and the data strip separately will not be necessary any more.

- Where energy-related or price information is disclosed, any advertisement for a specific model will bear a reference to the energy efficiency class of the product.

New European Eco Design Directive

The objective of the new European Eco Design Directive is the integration of environmental aspects into product design with the aim of improving the environmental performance of the product throughout its whole life cycle. Energy efficiency values, together with the sound levels of the units, will be reflected in the new Energy label to allow end users to be more energery efficient.

Apart from the user's behaviour, there are two complementary ways of reducing the energy consumed by products: the labelling to raise the awareness of consumers and the energy efficiency requirements imposed to products on the design phase.

Stage 1

From 1 january 2013

Air-conditioners, shall correspond to minimal energy efficiency requirements

REQUIREMENTS FOR MINIMAL ENERGY EFFICIENCY		
	SEER	SCOP (Aver. heating season)
If GWP of refrigerant > 150	4,6	3,8
If GWP of refrigerant ≤ 150	4,14	3,42

The requirements on sound power shall relate to the standard rating conditions are listed below

REQUIREMENTS FOR MAXIMUM SOUND POWE LEVEL			
Rated capacity ≤ 6 kW		6 < Rated capacity ≤ 12 kW	
Indoor sound power level in db (A)	Outdoor sound power level in db (A)	Indoor sound power level in db (A)	Outdoor sound power level in db (A)
30	65	65	70

Stage 2

From 1 january 2014

Air-conditioners, shall correspond to minimal energy efficiency requirements

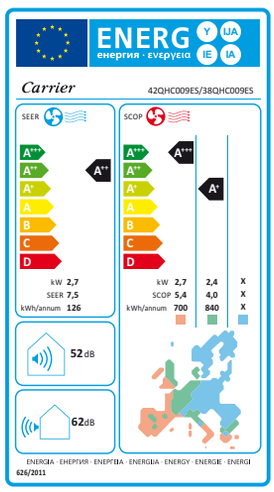
REQUIREMENTS FOR MINIMAL ENERGY EFFICIENCY						
	Air-conditioners, except double and single duct-conditioners		Double duct air-conditioners		Single duct air-conditioners	
	SEER	SCOP (Aver. heating season)	EER rated	COP rated	EER rated	COP rated
If GWP of refrigerant > 150 for 6 kW	4,6	3,8	2,6	2,6	2,6	2,04
If GWP of refrigerant ≤ 150 for 6 kW	4,14	3,42	2,34	2,34	2,34	1,84
If GWP of refrigerant > 150 for 6-12 kW	4,3	3,8	2,6	2,6	2,6	2,04
If GWP of refrigerant ≤ 150 for 6-12 kW	3,87	3,42	2,34	2,34	2,34	1,84

New Energy labeling for air-conditioners

Under the new labelling the energy efficiency of air-conditioning systems will be calculated based on seasonal performance.

For calculating heating seasonal performance the EU is divided into three climate zones, this ensures the energy efficiency calculation applies the actual regional ambient temperatures.

- Warmer - annual temperature of Athens
- Average - annual temperature of Strasbourg
- Colder - annual temperature of Helsinki

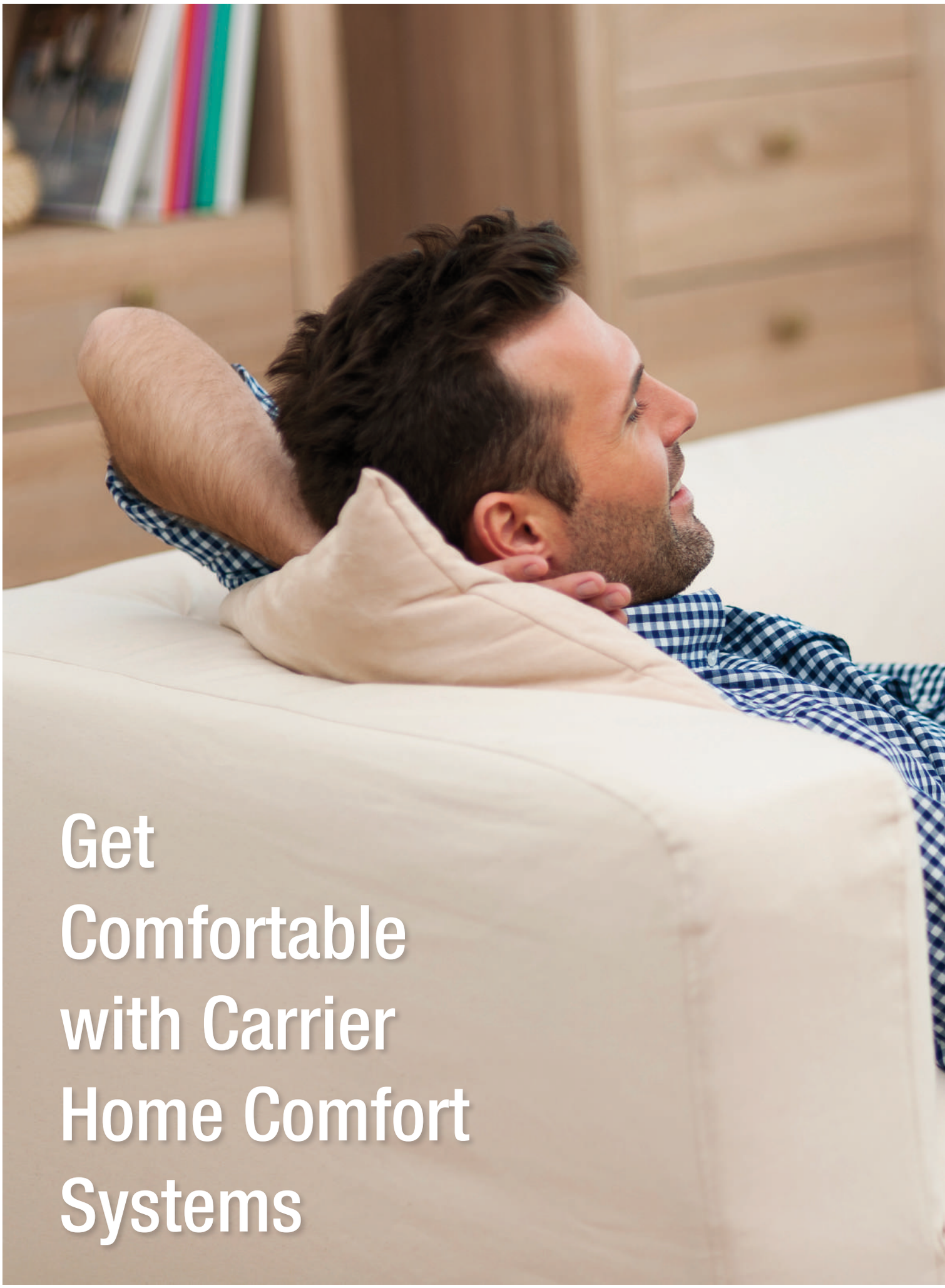


ENERGY EFFIENCY CLASS	SEER	SCOP
A+++	SEER ≥ 8,50	SCOP ≥ 5,10
A++	6,10 ≤ SEER < 8,50	4,60 ≤ SCOP < 5,10
A+	5,60 ≤ SEER < 6,10	4,00 ≤ SCOP < 4,60
A	5,10 ≤ SEER < 5,60	3,40 ≤ SCOP < 4,00
B	4,60 ≤ SEER < 5,10	3,10 ≤ SCOP < 3,40
C	4,10 ≤ SEER < 4,60	2,80 ≤ SCOP < 3,10
D	3,60 ≤ SEER < 4,10	2,50 ≤ SCOP < 2,80

WARMER (ATHENS)				AVERAGE (STRASBOURG)				COLDER (HELSINKI)			
Temperatures Conditions				**Temperatures Conditions**				**Temperatures Conditions**			
Partial load	Outdoors	Indoors		Partial load	Outdoors	Indoors		Partial load	Outdoors	Indoors	
	DB	WB	DB		DB	WB	DB		DB	WB	DB
-	-	-	20˚C	80%	-2˚C	-2˚C	20˚C	61%	-7˚C	-8˚C	20˚C
100%	2˚C	1˚C	20˚C	54%	2˚C	1˚C	20˚C	37%	2˚C	1˚C	20˚C
64%	7˚C	6˚C	20˚C	35%	7˚C	6˚C	20˚C	24%	7˚C	6˚C	20˚C
29%	12˚C	11˚C	20˚C	15%	12˚C	11˚C	20˚C	11%	12˚C	11˚C	20˚C

Climate zones for calculating Cooling (SEER), only one climate zone for calculating Cooling efficiencies. The climate data for Strasbourg is the single reference point for the whole of Europe.

SEER			
Temperatures Conditions			
Partial load	Outdoors	Indoors	
	DB	WB	DB
21%	20˚C	27˚C	19˚C
47%	25˚C	27˚C	19˚C
74%	30˚C	27˚C	19˚C
100%	35˚C	27˚C	19˚C



Get Comfortable with Carrier Home Comfort Systems

HOME COMFORT SOLUTIONS

Carrier helps millions of people take control of home comfort with innovative solutions.

QUIET CONSISTENCY AT HOME

Carrier home comfort solutions can provide consistent temperature, humidity and air quality from room to room, hour to hour and minute to minute.

ENERGY-EFFICIENT HOME HEATING AND AIR-CONDITIONING

Carrier heating and cooling products are among the world's most energy efficient and reliable products.

EXPERT INSTALLATION AND AFTER SALES SUPPORT

Proper installation is critical to keeping you comfortable. Our independent partners work with you before installation to custom design a solution that will meet the unique needs of your home. Beyond installation, you can count on Carrier experts for the after sales support.

INDOOR AIR QUALITY

Clean air is a key component of a healthy home. That's why Carrier, as part of your home heating and cooling solution, offers a wide range of air quality solutions that they can help reduce or even eliminate many allergens and harmful air pollutants.

Home heating and cooling expertise

SINGLE SPLIT SYSTEMS

Portable | QPD

FEATURES

Carrier offers an alternative air-conditioning solution for houses and small offices with limited space availability.

A single solution for cooling and heating.

Suitable for room sizes of approximate 13-29 m^2.

Slim and fashionable design.

Comfortable regulation by remote control with follow me function.

Ideal air distribution by adjustable air outlet grid.

Castors and side-carry handles makes it easy to move.

No need for water bucket due to automatic condensate recycle of evaporator.

Intelligent on-off technology enables the unit to automatically enter energy-saving mode when on standby mode.

Unit

Remote control

TECHNICAL SPECIFICATIONS

UNIT			51KPD012NS
Power supply		Ph-V-Hz	1Ph, 220-240V~, 50Hz
Rated Cooling	Capacity	KW	3.3
	Input	W	1350
	Current	A	5.9
	EER	W/W	2.6
	Energy Efficiency Class		A
Rated Heating	Capacity	KW	N/A
	Input	W	N/A
	Current	A	N/A
	COP	W/W	N/A
	Energy Efficiency Class		N/A
Moisture Removal		L/h	1.3
		W	**1600**
Rated current		A	8
Starting current		A	25
Indoor side air flow(Hi)		m3/h	380
Indoor side sound pressure level (Hi/Mi/Lo)		dB(A)	53/51/49
Sound power level (Hi)		dB(A)	65
Power consumption in thermostat-off mode		W	0.5
Power consumption in standby mode		W	0.5
Refrigerant	Type		R410A
	GWP		2088
	Charged quantity	kg	0.41
Design pressure		MPa	4.2/1.5
Plug type			1.5x3/VDE
Control type			Remote Control
Operation temp (room temp.), Cooling/Heating			17-35/---
Application area		m2	16-23
Dimension (W*D*H)		mm	466x397x765
Packing (W*D*H)		mm	515x443x880
Net/Gross weight		Kg	32.5/37.5
Loading quantity 20' /40' /40'HQ		Pieces	114/238/355

Carrier
United Technologies

www.beijerref-carrier.com

Inverter Hi-Wall

standard I 42QHC/38QHC

FEATURES

Performancy and reliability

Inverter technology for constant comfort.

Userfriendly remote control.

Smart airflow supply for optimal air distribution.

Programmable timer for energy savings.

Washable and easy removable filters.

Independent dehumidifacation mode.

Smart self - diagnostic function and refrigerant leak detection.

Turbo function in order to reach the desired temperature quickly.

Auto restart with the previous operation settings in case of power failure.

Automatic mode changes automatically the operation mode and the capacity according to the differenece temperature between room and set point.

Sleep mode to maintain the most comfortable temperature during the night.

Low- ambient control for the unit to operate until -15 ºC.

Units

Remote control

Ý **WIFI optional**

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42QHC009DS	42QHC012DS	42QHC018DS	42QHC024DS
OUTDOOR UNIT		38QHC009DS	38QHC012DS	38QHC018DS	38QHC024DS
Cooling capacity	kW	2.7(0.5-3.5)	3.5(0.5-3.8)	5.2(0.8-5.8)	6.4(1.4-6.6)
Heating capacity	kW	2.9(0.6-3.8)	3.8(0.6-4.2)	5.5(1.0-6.0)	7.0(1.5-7.0)
Heating capacity at -10°C	kW	2,3	2,8	3,7	4,2
P design capacity cooling	kW	2,7	3,5	5,2	6,4
P design capacity heating (average)	kW	2,4	2,9	4,3	5,2
Temp range cooling	°C	-15~46	-15~46	-15~46	-15~46
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24
SEER / SCOP(warmer) / SCOP(average)	W/W	7.2 / 5.2 / 4.0	6.7 / 5.1 / 4.0	7.0 / 5.1 / 4.0	6.2 / 4.6 / 4.0
Energy label		A++ / A+++ / A+	A++ / A+++ / A+	A++ / A+++ / A+	A++ / A++ / A+
Yearly energy consumption	kWh	131 / 727 / 840	183 / 933 / 1015	260 / 1537 /1505	361 / 1948 / 1820
Power supply	V-ph-Hz	220-240V, 1ph, 50Hz	220-240V, 1ph, 50Hz	220-240V, 1ph, 50Hz	220-240V, 1ph, 50Hz
Standard current (cooling)	A	3,7	5,4	7,3	9,3
Standard input (cooling)	W	820	1250	1625	2060
Standard current (heating)	A	3,5	4,9	7,6	9,7
Standard input (heating)	W	780	1120	1720	2120
Refrigerant amount R410a	kg	0,67	0,68	1,65	2,00
Liquid side / Gas side	inch	1/4"-3/8"	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"
Standard piping length	m	5	5	5	5
Min. piping length	m	3	3	3	3
Max. piping length	m	25	25	30	40
Max. difference	m	10	10	20	20
Additional charge	g/m	15	15	15	30

INDOOR UNIT		42QHC009DS	42QHC012DS	42QHC018DS	42QHC024DS
Sound power level	dB(A)	52	53	56	62
Sound pressure level (high/med/low/silence)	dB(A)	38/34/30/21	40/35/31/22	42/37/35/24	47/42/38/26
Airflow (high/med/low/silence)	m3/h	460/380/280/190	500/390/300/200	760/550/460/260	1150/890/770/420
Weight	kg	8.0	9.0	11.5	13.5
Dimensions (WxDxH)	mm	730×192×291	812×192×300	973×218×319	1082×225×338

OUTDOOR UNIT		38QHC009DS	38QHC012DS	38QHC018DS	38QHC024DS
Sound power level	dB(A)	63	62	63	68
Sound pressure level	dB(A)	54	54	55	58
Airflow	m3/h	1700	1900	2100	2700
Weight	kg	23.0	26.5	38.0	44.0
Dimensions (WxDxH)	mm	700×275×550	770×300×555	800×333×554	845×363×702

Notes:
Cooling Capacities are based on 27°C (DB) / 19°C (WB) indoor air temperature and 35 °C (DB) / 24 °C (WB) outdoor air temperature.
Heating Capacities are based on 20 °C (DB) / 15 °C (WB) indoor air temperature and 7 °C (DB) / 6 °C (WB) outdoor air temperature.

Carrier
United Technologies

www.beijerref-carrier.com

Setting the standard for performance, energy efficiency and sustainability

SINGLE SPLIT SYSTEMS

Inverter Console/ Under-ceiling | 42QZL/38QUS

FEATURES

This console has been designed not only to be slim and stylish but also to give high performance.

All units can be mounted on walls or under the ceiling.

3D motorised louvers allow air distribution direction according to individual preferences.

State of the art fans and advanced slimline coil.

Easy installation and maintenance: all internal components can be easily accessed by removing the grille.

Choice of wired (optional) or wireless controls (standard).

Unit

Remote control

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42QZL018DS-1	42QZL024DS-1	42QZL030DS-1	42QZL036DS-1	42QZL048DS-1	42QZL060DS-1
Part no.		38QUS018DS-1	38QUS024DS-1	38QUS030DS-1	38QUS036DS-1	38QUS048DS-1	38QUS060DT-1
Cooling capacity	kW	5.00 (2.0~5.5)	7.03 (2.5~8.0)	8.40 (2.1~10.5)	10.4 (4.4~11.0)	13.6 (4.8~14.0)	15.5 (5.4~16.0)
Heating capacity	kW	5.50 (2.0~6.0)	7.30 (2.5~8.5)	9.00 (2.1~10.8)	11.9 (3.7~13.8)	15.5 (5.4~16.0)	17.5 (4.3~18.5)
Heating capacity at -7°C	kW	4.3	5.3	6.5	9.8	11.3	11.5
P design capacity cooling	kW	5.00	7.03	8.40	10.4	13.6	15.5
P design capacity heating (average)	kW	4.32	5.20	7.91	10.2	10.6	11.8
Temp range cooling	°C	-10~46	-10~46	-10~46	-10~46	-10~46	-10~46
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
SEER / SCOP (warmer) / SCOP (average)	W/W	5.9 / 4.1 / 5.1	5.8 / 4.0 / 4.6	6.3 / 4.0 / 5.2	6.3 / 4.0 / 5.1	5.9 / 4.0 / 5.3	5.8 / 4.1 / 5.1
EER / COP	W/W	2.8/4.0	2.9/3.3	2.8/3.6	2.6/3.7	2.4/2.9	2.5/3.1
Energy label		A+ / A+ / A+++	A+ / A+ / A++	A++ / A+ / A+++	A++ / A+ / A+++	A+ / A+ / A+++	A+ / A+ / A+++
Yearly energy consumption	kWh	298/1470/1466	424/1820/2373	469/2769/2108	576/3561/2922	810/3718/3167	938/4011/3173
Power supply	V-ph-Hz	220-240V / 50Hz	220-240V / 50Hz	220-240V / 50Hz	220-240V / 50Hz	220-240V / 50Hz	380~415V / 50Hz
Standard current (cooling)	A	7.8	11.0	13.5	17.1	24.4	10.5
Standard input (cooling)	W	1720	2430	2970	3970	5620	6150
Standard current (heating)	A	6.1	9.6	11.3	14.0	23.4	9.4
Standard input (heating)	W	1360	2180	2480	3200	5300	5600
Refrigerant amount R410a	kg	1.7	2.05	2.80	3.65	4.00	4.30
Liquid side / Gas side	inch	1/4"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
Standard piping length	m	5	5	5	5	5	5
Min. piping length	m	3	3	3	3	3	3
Max. piping length	m	30	40	50	50	50	50
Max. difference	m	20	20	25	25	25	25
Additional charge	g/m	15	30	30	30	30	30

INDOOR UNIT		42QZL018DS-1	42QZL024DS-1	42QZL030DS-1	42QZL036DS-1	42QZL048DS-1	42QZL060DS-1
Part no.		7402010	7402011	7402012	7402013	7402014	
Sound power level	dB(A)	58	65	65	65	69	73
Sound pressure level (H/M/L/S)	dB(A)	45/42/39	50/47/41	54/49/44	55/51/46	55/51/46	56/51/47
Airflow (high/med/low/silence)	m3/h	900/790/670	1150/1040/790	1650/1450/1250	2000/1700/1350	2100/1700/1500	2250/1900/1500
Weight	kg	27.0/32.0	27.0/32.0	31/36.5	38/44	38.2/44.6	40.5/47
Dimensions (WxDxH)	mm	1068x675x235	1068x675x235	1285x675x235	1650x675x235	1650x675x235	1650x675x235

OUTDOOR UNIT		38QUS018DS-1	38QUS024DS-1	38QUS030DS-1	38QUS036DS-1	38QUS048DS-1	38QUS060DT-1
Part no.		7400072	7400073	7400074	7400075	7400076	7400079
Sound power level	dB(A)	65	69	70	70	75	77
Sound pressure level	dB(A)	57	61	62	64	64	64
Airflow	m3/h	2100	2700	4300	4150	6800	7000

Notes:
Cooling Capacities are based on 27°C (WB) indoor air temperature and 35 °C (DB) / 24 °C (WB) outdoor air temperature.
Heating Capacities are based on 20 °C (DB) / 15 °C (WB) indoor air temperature and 7 °C (DB) / 6 °C (WB) outdoor air temperature.

Carrier
United Technologies

www.beijerref-carrier.com

Inverter Cassette 60 x 60 I

42QTD/38QUS

FEATURES

The ideal solution for any commercial application.

Compact design.

Allows 360° airflow for optimum air distribution in the room.

Standard dimensions compatible with all suspended ceiling systems.

Fresh air intake and additional outlet grille that allows the air conditioning of an adjoining room.

Fresh air inlet for constant air renewal.

Easy accessibility to the key components on the unit simply by opening the grille or removing the front panel.

Built in Drain Pump that can lift the condensate water up to 750 mm.

Choice of wired (optional) or wireless controls (standard).

Unit

Remote control

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42QTD009DS-1	42QTD012DS-1	42QTD018DS-1
OUTDOOR UNIT		38QUS009DS-1	38QUS012DS-1	38QUS018DS-1
Cooling capacity	kW	2.64 (0.9~3.7)	3.52 (1.4~3.9)	5.00 (2.0~5.5)
Heating capacity	kW	3.00 (0.8~3.8)	4.00 (1.2~4.2)	5.50 (2.0~6.0)
Heating capacity at -7 °C	kW	2.7	2.7	3.9
P design capacity cooling	kW	2.64	3.52	5.00
P design capacity heating (average)	kW	2.40	2.94	3.90
Temp range cooling	°C	-10~46	-10~46	-10~46
Temp range heating	°C	-15~24	-15~24	-15~24
SEER / SCOP (warmer) / SCOP (average)	W/W	6.2 / 4.0 / 5.1	6.2 / 4.1 / 5.1	6.0 / 4.0 / 5.1
EER/COP	W/W	3.5-3.7	3.1-3.6	2.8-3.1
Energy label		A++ / A+ / A+++	A++ / A+ / A+++	A+ / A+ / A+++
Yearly energy consumption	kWh	149/837/714	199/1002/960	293/1365/1345
Power supply		220-240V / 50Hz / 1Ph	220-240V / 50Hz / 1Ph	220-240V / 50Hz / 1Ph
Standard current (cooling)	A	3.4	5.0	8.1
Standard input (cooling)	W	740	1140	1800
Standard current (heating)	A	3.6	4.7	7.5
Standard input (heating)	W	820	1080	1700
Refrigerant amount R410a	kg	0.72	1.05	1.7
Liquid side / Gas side	inch	14"-3/8"	1/4"-3/8"	1/4"-1/2"
Standard piping length	m	5	5	5
Min. piping length	m	3	3	3
Max. piping length	m	25	25	30
Max. difference	m	10	10	20
Additional charge	g/m	15	15	15

INDOOR UNIT		42QTD012DS-1	42QTD012DS-1	42QTD018DS-1
Part no.		7403020	7403021	7403022
Sound power level	dB(A)	58	59	60
Sound pressure level (high/med/low/silence)	dB(A)	42/39/36	42/39/36	45/42/36
Airflow (high/med/low/silence)	m3/h	560/430/390	560/430/390	650/530/370
Weight unit	kg	15.0/18.0	16.5/19.0	16.5/19.0
Weight panel	kg	2.5/4.5	2.5/4.5	2.5/4.5
Dimensions unit (WxDxH)	mm	570x570x260	570x570x260	570x570x260
Dimensions panel (WxDxH)	mm	647x647x50	647x647x50	647x647x50

OUTDOOR UNIT		38QUS012DS-1	38QUS012DS-1	38QUS018DS-1
Part no.		7400070	7400071	7400072
Sound power level	dB(A)	64	65	65
Sound pressure level	dB(A)	54	56	57
Airflow	m3/h	1900	2100	2100
Weight	kg	26.0/29.0	28.5 / 31.5	38.0/40.5
Dimensions (WxDxH)	mm	770×300×555	800×333×554	800×333×554

GRILL CODE	40CAS-S4	40CAS-S4	40CAS-S4

Notes:
Cooling Capacities are based on 27°C (WB) indoor air temperature and 35 °C (DB) / 24 °C (WB) outdoor air temperature.
Heating Capacities are based on 20 °C (DB) / 15 °C (WB) indoor air temperature and 7 °C (DB) / 6 °C (WB) outdoor air temperature.

Carrier
United Technologies

www.beijerref-carrier.com

Inverter Cassette 90 x 90 | 42QTD/38QUS

FEATURES

The ideal solution for any commercial application.

Allows 360° airflow for optimum air distribution in the room.

Standard dimensions compatible with all suspended ceiling systems.

Fresh air intake and additional outlet grille that allows the air conditioning of an adjoining room.

Fresh air inlet for constant air renewal.

Easy accessibility to the key components on the unit simply by opening the grille or removing the front panel.

Built in Drain Pump that can lift the condensate water up to 750 mm.

Choice of wired (optional) or wireless controls (standard).

Unit

Remote control

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42QTD024DS-1	42QTD030DS-1	42QTD036DS-1	42QTD048DS-1	42QTD060DS-1
OUTDOOR UNIT		38QUS024DS-1	38QUS030DS-1	38QUS036DS-1	38QUS048DS-1	38QUS060DT-1
Cooling capacity	kW	7.03 (2.5~8.0)	8.40 (2.1~10.5)	10.2 (4.5~11.0)	13.4 (4.8~14.0)	15.1 (5.0~16.0)
Heating capacity	kW	7.03 (2.5~8.5)	9.10 (2.1~10.5)	11.3 (3.7~13.7)	15.5 (5.4~16.0)	18.0 (3.9~18.2)
Heating capacity at -7°C	kW	5.4	6.6	9.7	10.4	12.2
P design capacity cooling	kW	7.03	8.40	10.2	13.4	15.1
P design capacity heating (average)	kW	5.54	7.00	9.3	10.7	11.2
Temp range cooling	°C	-10~46	-10~46	-10~46	-10~46	-10~46
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24
SEER / SCOP (warmer) / SCOP (average)		6.1 / 4.0 / 4.8	6.4 / 4.0 / 5.2	6.0 / 4.0 / 5.0	5.5 / 4.0 / 5.0	5.7 / 4.0 / 5.2
EER/COP		3.0/3.2	3.0/3.8	2.7/3.4	2.4/2.9	2.4/3.1
Energy label		A++ / A+ / A++	A++ / A+ / A+++	A+ / A+ / A++	A / A+ / A++	A+ / A+ / A+++
Yearly energy consumption	kWh	403/1937/2277	459/2453/1950	588/3244/2894	852/3756/3323	929/3916/3225
Power supply	V-ph-Hz	220-240V / 50Hz / 1Ph	220-240V / 50Hz / 1Ph	220-240V / 50Hz / 1Ph	220-240V / 50Hz / 1Ph	380~415V / 50Hz / 3Ph
Standard current (cooling)	A	10.5	12.4	16.6	24.1	10.6
Standard input (cooling)	W	2400	2780	3750	5530	6240
Standard current (heating)	A	9.6	10.6	15.2	23.1	9.5
Standard input (heating)	W	2180	2300	3300	5300	5760
Refrigerant amount R410a	kg	2.05	2.80	3.65	4.00	4.30
Liquid side / Gas side	inch	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
Standard piping length	m	5	5	5	5	5
Min. piping length	m	3	3	3	3	3
Max. piping length	m	40	50	50	50	50
Max. difference	m	20	25	25	25	25
Additional charge	g/m	30	30	30	30	30

INDOOR UNIT		42QTD024DS-1	42QTD030DS-1	42QTD036DS-1	42QTD048DS-1	42QTD060DS-1
Part no.		7403023	7403024	7403025	7403026	7403027
Sound power level	dB(A)	61	65	65	67	70
Sound pressure level (high/med/low/silence)	dB(A)	49/46/43	50/48/44	53/51/48	51/49/47	54/52/49
Airflow (high/med/low/silence)	m3/h	1350/1200/1070	1390/1110/750	1800/1600/1400	1900/1600/1330	2000/1780/1580
Weight unit	kg	24.5/30.0	26.5/30.5	27.5/31.5	28/32.1	31/34
Dimensions unit (WxDxH)	mm	840x840x245	840x840x245	840x840x245	840x840x287	840x840x287

OUTDOOR UNIT		38QUS024DS-1	38QUS030DS-1	38QUS036DS-1	38QUS048DS-1	38QUS060DT-1
Part no.		7400073	7400074	7400075	7400076	7400079
Sound power level	dB(A)	69	70	70	75	77
Sound pressure level	dB(A)	61	62	64	64	64
Airflow	m3/h	2700	4300	4150	6800	7000
Weight	kg	50/54.5	62.9/68.5	70.5/76.1	95.1/108.4	112.8/126
Dimensions (WxDxH)	mm	845×363×702	946x410x810	946x410x810	952x415x1333	952x415x1333

GRILL CODE	40CAS-L4	40CAS-L4	40CAS-L4	40CAS-L4	40CAS-L4

Notes:
Cooling Capacities are based on 27°C (WB) indoor air temperature and 35 °C (DB) / 24 °C (WB) outdoor air temperature.
Heating Capacities are based on 20 °C (DB) / 15 °C (WB) indoor air temperature and 7 °C (DB) / 6 °C (WB) outdoor air temperature.

Carrier
United Technologies

www.beijerref-carrier.com

Inverter Ducted | 42QSM/38QUS

FEATURES

Compact and versatile is the ideal choice for new or refurbished buildings.

Slim line profile that allows installation in applications with low available height.

Reliable and durable unit thanks to high efficient DC rotary inverter driven compressor.

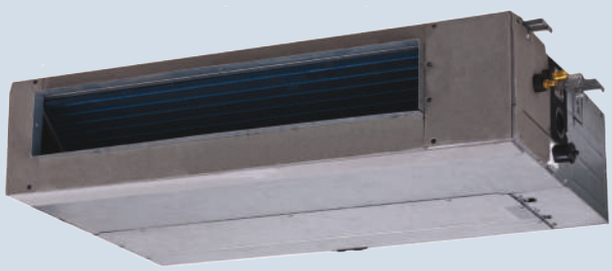
Easy installation and maintenance as all components can be accessed by removing the grille.

Equipped with fresh air intake.

Built in Drain Pump that can lift the condensate water up to 750 mm.

Standard equiped air filter.

Choice of wired (optional) or wireless controls (standard).



Unit

Remote control

TECHNICAL SPECIFICATIONS

INDOOR UNIT		42QSS012DS-1	42QSS018DS-1	42QSS024DS-1	42QSS030DS-1	42QSS036DS-1	42QSS048DS-1	42QSS060DS-1
OUTDOOR UNIT		38QUS012DS-1	38QUS018DS-1	38QUS024DS-1	38QUS030DS-1	38QUS036DS-1	38QUS048DS-1	38QUS060DT-1
Cooling capacity	kW	3.52 (1.4~3.9)	5.00 (2.0~5.5)	7.03 (2.5~7.7)	8.70 (2.1~10.5)	10.2 (3.7~11.0)	13.7 (5.1~14.4)	15.4 (5.2~16.0)
Heating capacity	kW	3.80 (1.2~4.2)	5.40 (2.0~6.0)	7.40 (2.4~8.7)	9.30 (2.1~10.8)	12.7 (3.0~14.0)	15.4 (4.4~16.4)	17.6 (4.8~18.8)
Heating capacity at -7°C	kW	2.5	4.0	5.3	7	10.3	10.8	12.6
P design capacity cooling	kW	3.52	5.00	7.03	8.70	10.2	13.7	15.4
P design capacity heating (average)	kW	2.83	4.20	5.20	7.23	10.3	10.3	12.0
Temp range cooling	°C	-10~46	-10~46	-10~46	-10~46	-10~46	-10~46	-10~46
Temp range heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24
SEER / SCOP (warmer) / SCOP (average)	w/w	6.1 / 4.0 / 5.1	6.3 / 4.0 / 5.1	6.1 / 4.0 / 5.1	6.5 / 4.0 / 4.8	6.2 / 4.0 / 5.1	5.8 / 4.0 / 4.9	5.5 / 4.0 / 5.1
EER / COP	W/W	2.8/3.2	2.8/3.6	3.1/3.4	3.0/3.7	2.6/3.7	2.7/3.5	2.3/3.4
Energy label		A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++	A++ / A+ / A+++	A+ / A+ / A++	A / A+ / A+++
Yearly energy consumption	kWh	202/985/941	277/1468/1465	401/1820/2058	469/2532/2040	574/3598/2888	826/3597/3337	963/4196/3328
Power supply	V-ph-Hz	220-240V / 50Hz / 1Ph	220-240V / 50Hz / 1Ph	220-240V / 50Hz / 1Ph	220-240V / 50Hz / 1Ph	220-240V / 50Hz / 1Ph	220-240V / 50Hz / 1Ph	380~415V / 50Hz / 3Ph
Standard current (cooling)	A	5.5	7.7	9.7	13.1	17.4	22.3	11.0
Standard input (cooling)	W	1250	1680	2300	2860	3890	5070	6630
Standard current (heating)	A	5.2	6.6	9.5	11.6	15.7	19.5	8.6
Standard input (heating)	W	1190	1500	2150	2490	3410	4400	5140
Refrigerant amount R410a	kg	1.05	1.7	2.05	2.80	3.65	4.00	4.30
Liquid side / Gas side	inch	1/4"-3/8"	1/4"-1/2"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"	3/8"-5/8"
Standard piping length	m	5	5	5	5	5	5	5
Min. piping length	m	3	3	3	3	3	3	3
Max. piping length	m	25	30	40	50	50	50	50
Max. difference	m	10	20	20	25	25	25	25
Additional charge	g/m	15	15	30	30	30	30	30

INDOOR UNIT		42QSS012DS-1	42QSS018DS-1	42QSS024DS-1	42QSS030DS-1	42QSS036DS-1	42QSS048DS-1	42QSS060DS-1
Part no.		7404011	7404012	7404013	7404014	7404015	7404016	7404017
Sound pressure level (H/M/L/S)	dB(A)	60	60	61	65	65	71	76
Sound pressure level (high/med/low)	dB(A)	42/38/35	42/40/38	43/40/38	47/45/42	47/45/42	53/51/49	58/56/54
Airflow (H/M/L/S)	m3/h	520/450/380	920/840/760	1360/1200/1000	1120/900/420	1750/1500/1280	2200/1900/1600	2200/1900/1600
External static pressure	Pa	0~40	0~80	0~100	0~120	0~120	0~160	0~160
Weight unit	kg	18.5/23.0	23.0/29.0	30.2/37.3	40.5/48.5	40.5/48.5	46/55	46/55
Dimensions unit (WxDxH)	mm	700x635x210	880x674x210	1100x774x249	1360x774x249	1360x774x249	1200x874x300	1200x874x300
OUTDOOR UNIT		38QUS012DS-1	38QUS018DS-1	38QUS024DS-1	38QUS030DS-1	38QUS036DS-1	38QUS048DS-1	38QUS060DT-1
Part no.		7400071	7400072	7400073	7400074	7400075	7400076	7400079
Sound power level	dB(A)	65	65	69	70	70	75	77
Sound pressure level	dB(A)	56	57	61	62	64	64	64
Airflow	m3/h	2100	2100	2700	4300	4150	6800	7000
Weight	kg	28.5 / 31.5	38.0/40.5	50/54.5	62.9/68.5	70.5/76.1	95.1/108.4	112.8/126
Dimensions (WxDxH)	mm	800×333×554	800×333×554	845×363×702	946x410x810	946x410x810	952x415x1333	952x415x1333

Notes:
Cooling Capacities are based on 27°C (WB) indoor air temperature and 35 °C (DB) / 24 °C (WB) outdoor air temperature.
Heating Capacities are based on 20 °C (DB) / 15 °C (WB) indoor air temperature and 7 °C (DB) / 6 °C (WB) outdoor air temperature.

Carrier
United Technologies

www.beijerref-carrier.com

ORION

Air-Conditioning & Refrigeration Ltd

Carrier

United Technologies

www.beijerref-carrier.com