DAIKIN

AIRQUALITY
A BREATH OF QUALITY

Siesta Sky Air®

All Seasons
CLIMATE COMFORT

- Heating
- **Air Conditioning**
- Applied Systems
- Refrigeration

Siesta®

Airquality nv A. Stocletlaan 206 2547 Duffel Tel.: 015/29.35.35 www.airquality.be

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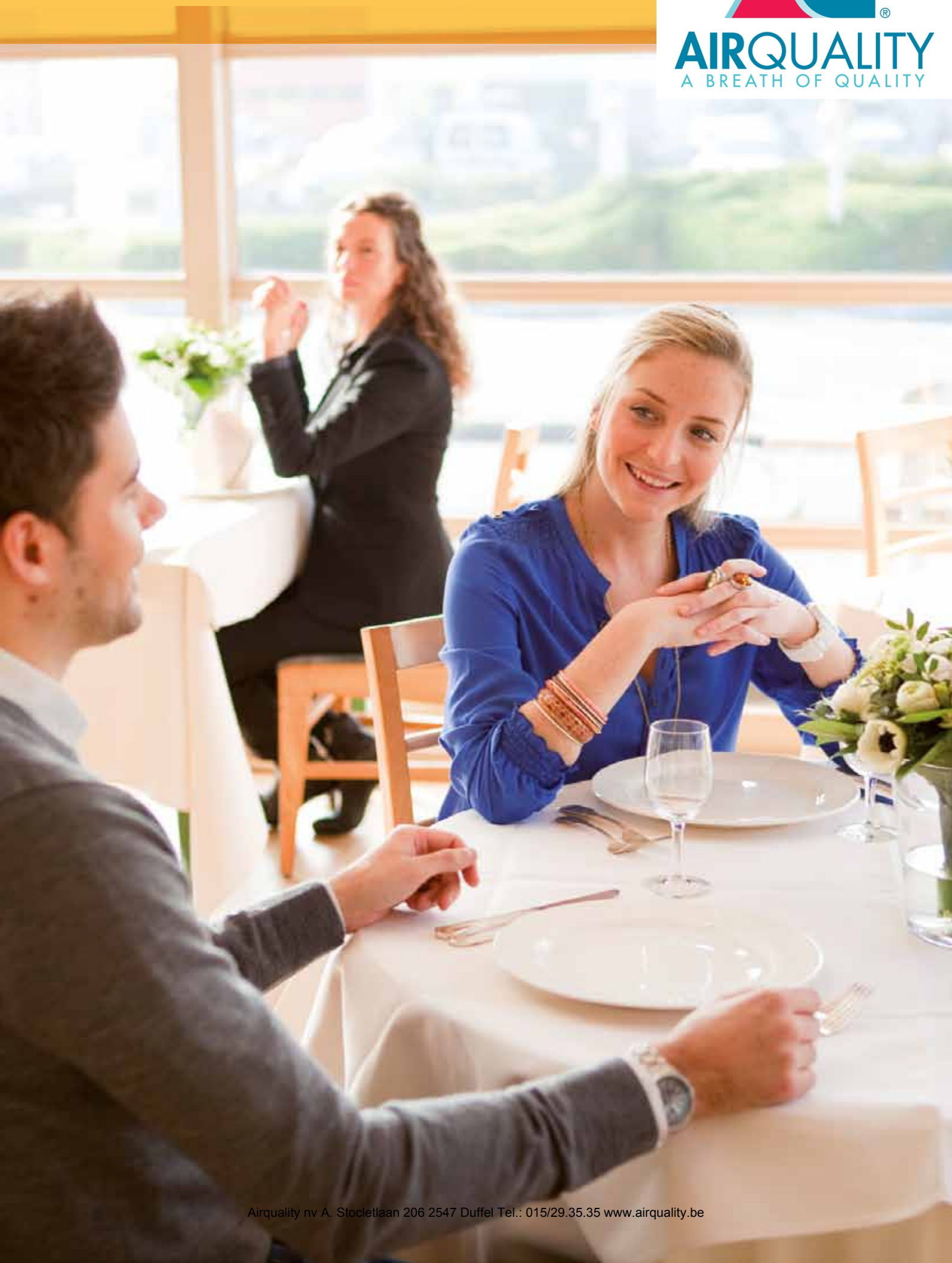

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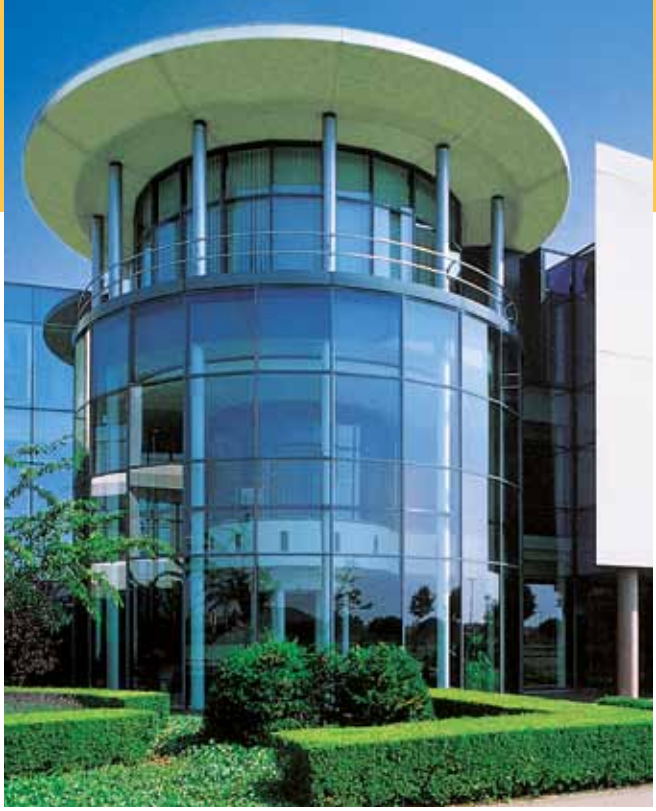


Daikin Europe N.V.

ABOUT DAIKIN

Daikin has a worldwide reputation based on 85 years' experience in the successful manufacture of high quality air conditioning equipment for industrial, commercial and residential use.

Daikin quality

Daikin's much envied quality quite simply stems from the close attention paid to design, production and testing as well as aftersales support. To this end, every component is carefully selected and rigorously tested to verify its contribution to product quality and reliability.

ENVIRONMENTAL AWARENESS

Air conditioning enhances the indoor climate, providing pleasant working and living conditions in even the harshest climates. In recent years however, aware of the need to safeguard the environment, Daikin has taken great strides to limit negative effects associated with its production and operation. As a result, new energy saving equipment combined with innovative manufacturing techniques, minimise any impact on the environment.

Commitment to the environment

Concern for the environment is inherent throughout Daikin's global operations, from design and production to the everyday actions of its workforce. Daikin heat pumps in combination with in-house inverter technology offer unparallelled indoor heating comfort and process efficiency.

Heat Pump Efficiency

Heat pumps can extract heat energy from the outside air, even on the coldest days of winter. Daikin systems are capable of providing comfortable and efficient indoor heating as well as meeting exact industrial heating and cooling requirements.

Energy efficient equipment

Many product innovations stem from Daikin environmental awareness. Inverter control reduces unit start up time and varies compressor output to match precise system load requirements. Also, when linked with Daikin DC compressor motors, it allows Daikin equipment to achieve the highest COP ratings in the market. Similarly, advanced computerised control packages ensure optimum system efficiency at all times and allow remote monitoring via the internet.

Reducing waste

Daikin was the first European air conditioning manufacturer to gain ISO14001 environmental certification. The company's zero waste policy ensures that many of its manufacturing by products can be recycled, reused or recovered.

Recycling materials

Daikin recycles materials as a matter of course. For instance, the sludge recovered from pre treated waste water is used in cement manufacture. The recycling of other types of waste is also supported by investment in returnable packaging.

In all of us,
a green heart

WHY CHOOSE DAIKIN?

Cutting edge technology

For the last 50 years, Daikin has been the market leader in cutting-edge climate control technology that is both energy efficient and eco-friendly. Our systems have been independently tested against the latest and most demanding energy and ecological standards and our heat pump systems were the first to receive the EU's Eco-Label.

As your partner of choice for the installation and maintenance of flexible, trouble-free and cost-effective climate control solutions, we have a global network of engineers providing local service. By installing Daikin equipment you can be assured that you have very energy efficient units with a low ecological impact thus saving you money and helping the environment.

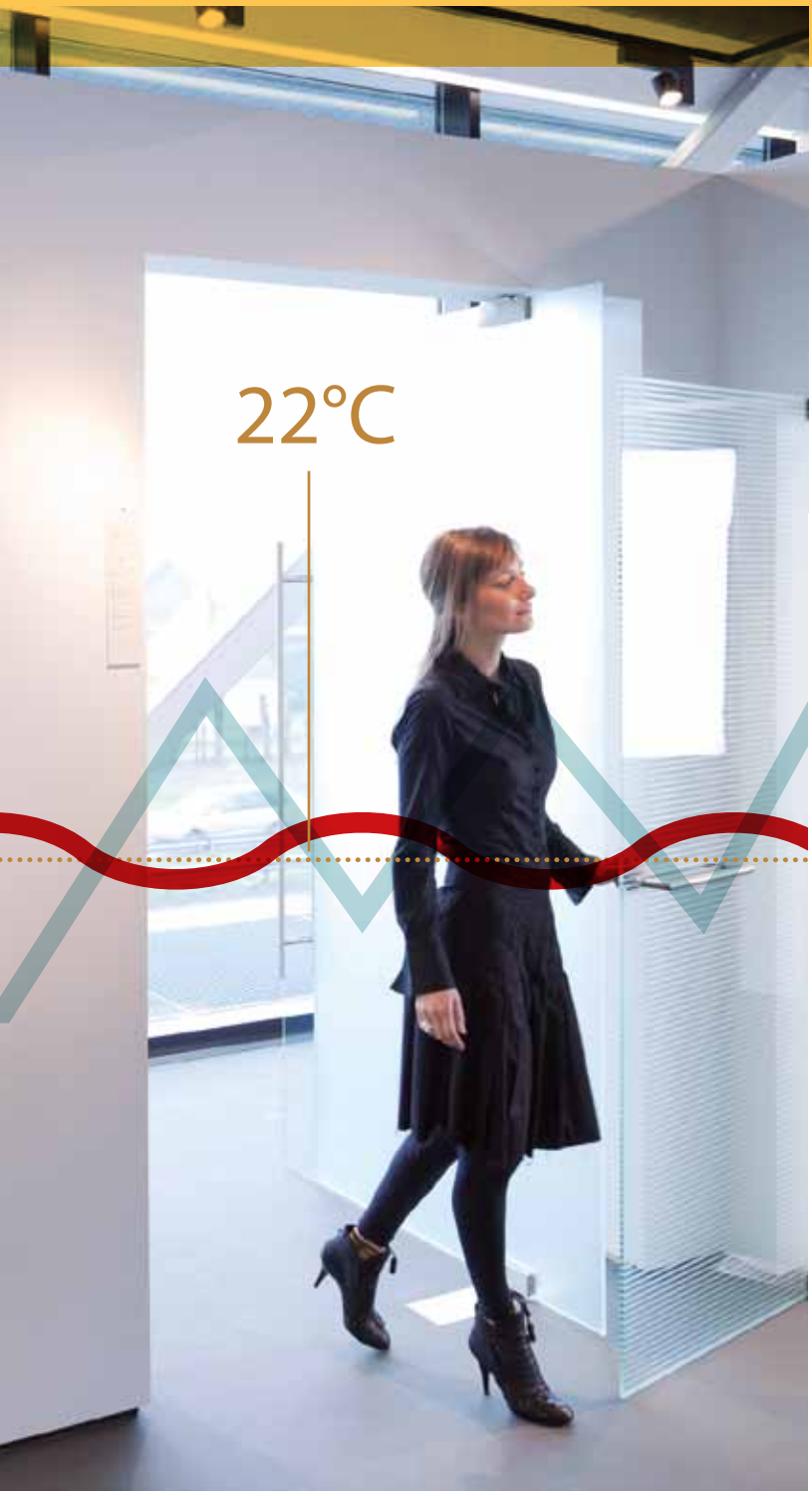
3/4
Renewable ambient air

1/4
Electrical energy

Heat pump

Air-to-air heat pumps obtain 75% of their output energy from a renewable source: the ambient air, which is both renewable and inexhaustible*. Of course, heat pumps also require electricity to run the system, but increasingly this electricity can also be generated from renewable energy sources such as solar energy, wind energy, hydropower and biomass. A heat pump's efficiency is measured in COP (Coefficient Of Performance) for heating and EER (Energy Efficiency Ratio) for cooling.

* EU objective COM (2008)/30



Desired room temperature optimally maintained

Inverter technology

Daikin's inverter technology is a true innovation in the field of climate control. The principle is simple: inverters adjust the power used to suit the actual requirement - no more, no less! This technology provides you with two main benefits:

Optimizing comfort levels

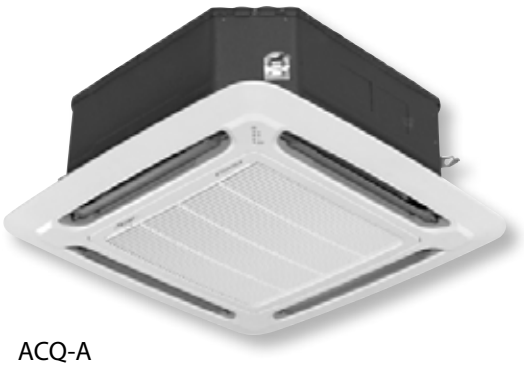
The inverter repays its investment many times over by improving comfort. A climate control system with an inverter continuously adjusts its cooling and heating output to suit the temperature in the room, thus improving comfort levels. The inverter reduces system start-up time enabling the required room temperature to be reached more quickly. As soon as the correct temperature is reached, the inverter ensures that it is constantly maintained.

Energy efficiency

Because an inverter monitors and adjusts ambient temperature whenever needed, energy consumption drops by 30% compared to a traditional on/off (non-inverter) heat pump system!

ACQ-A / AZQS-AV1

4-way blow ceiling n



ACQ-A

ARCWLA

Comfort & Efficiency

- Energy efficient units: full range A class energy labels
- Ideal solution for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings

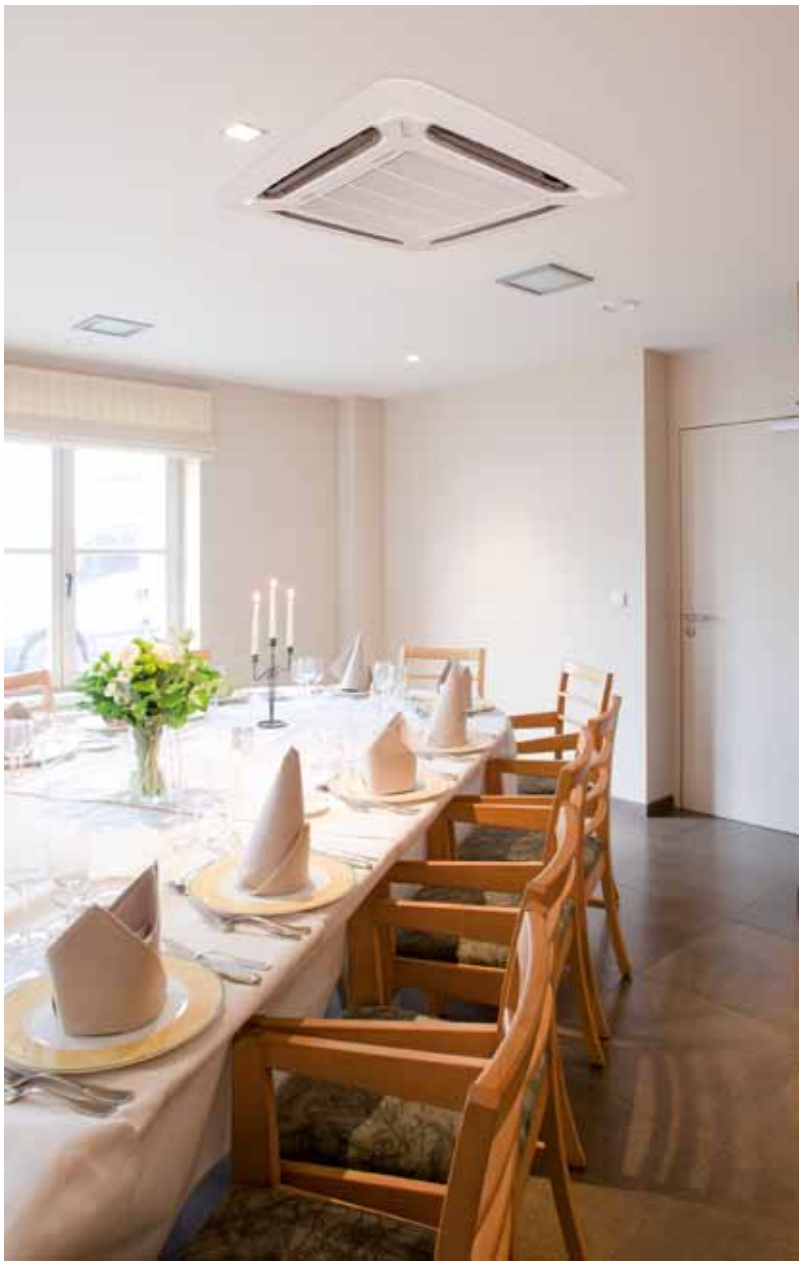
Filter

- Air can be discharged in any of 4 directions
- Air filter removes airborne dust particles to ensure a steady supply of clean air

Flexible Installation

- Easy installation and maintenance
- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall

AZQS-AV1



Heating & Cooling

INDOOR UNIT					ACQ71A	ACQ100A	ACQ125A
Cooling capacity	Nom.			kW	7.4	10.2	13.0
Heating capacity	Nom.			kW	8.3	11.9	14.1
Power input	Cooling	Nom.		kW	2.24	3.18	4.03
	Heating	Nom.		kW	2.30	3.30	3.91
EER					3.31	3.21	3.23
COP					3.61		
Annual energy consumption				kWh	1,120	1,590	2,015
Energy label	Cooling/Heating						
Dimensions	Unit	HeightxWidthxDepth		mm	300x820x820	335x820x820	
Weight	Unit			kg	31.0	39.0	41.0
Decoration panel	Dimensions	HeightxWidthxDepth		mm	40x170x170		
Sound power level	Cooling	High/Nom./Low		dBA	54/50/48	57/55/54	60/57/55
	Heating	High/Nom./Low		dBA	54/50/48	57/55/54	60/57/55
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	41/38/35/32	44/41/38/36	47/44/43/39
	Heating	High/Nom./Low/Silent operation		dBA	41/38/35/32	44/41/38/36	47/44/43/39
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 230		

OUTDOOR UNIT					AZQS71AV1	AZQS100AV1	AZQS125AV1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	1,345x900x320	
Weight	Unit			kg	67	109	
Fan	Air flow rate	Cooling	Nom.	m^3/min	52	96	100
		Heating	Nom.	m^3/min	48	90	
Sound power level	Cooling	Nom.		dBA	64	65	67
Sound pressure level	Cooling	Nom.		dBA	48	50	51
	Heating	Nom.		dBA	50	52	53
	Night quiet mode	Level 1		dBA	43	45	
Compressor	Type				Hermetically sealed swing compressor	Hermetically sealed scroll compressor	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0		
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5		
Refrigerant	Type				R-410A		
Piping connections	Liquid	OD		mm	9.52		
	Gas	OD		mm	15.9		
	Drain	OD		mm	26		
	Additional refrigerant charge			kg/m	see installation manual 4PW68422-1		
	Level difference	IU - OU	Max.	m	30.0		
		IU - IU	Max.	m	0.5		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		

ABQ-A / AZQS-AV1

Concealed Ceiling U

ABQ-A

ARCWA

Comfort & Efficiency

- Energy label: up to class A
- Ideal solution for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible

Filter

- Air filter removes airborne dust particles to ensure a steady supply of clean air

Flexible installation

- Easy installation and maintenance
- Compact dimensions, can easily be mounted in a narrow ceiling void
- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall

AZQS-AV1

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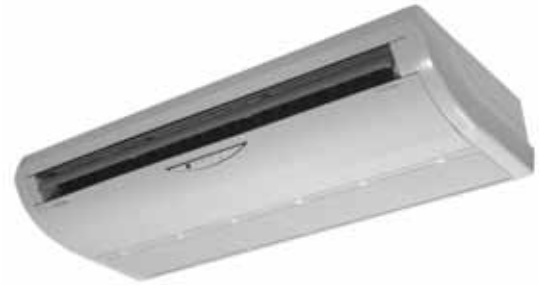
Heating & Cooling

INDOOR UNIT					ABQ71A	ABQ100A	ABQ125A	ABQ140A
Cooling capacity	Nom.			kW	7.2	10.2	13.3	13.9
Heating capacity	Nom.			kW	8.3	11.2	15.9	16.5
Power input	Cooling	Nom.		kW	2.21	3.09	4.15	4.61
	Heating	Nom.		kW	2.21	3.03	4.40	4.83
EER					3.26	3.30	3.21	3.01
COP					3.75	3.71	3.62	3.41
Annual energy consumption				kWh	1,105	1,545	2,075	2,305
Energy label	Cooling/Heating				A/A			B/B
Dimensions	Unit	HeightxWidthxDepth		mm	285x1,020x600	305x1,325x638	378x1,388x541	378x1,588x541
Weight	Unit			kg	35.0	47.0	50.0	56.0
Fan - External static pressure	Super high/High/Nom./Low			Pa	78/53/38/25	118/96/78/61	147/126/109/92	147/120/90/69
Sound power level	Cooling	Super high/High/Nom./Low		dBA	67/64/61/57	80/76/73/70	78/76/73/70	79/78/75/71
	Heating	High/Nom./Low		dBA	64/61/57	76/73/70		78/75/71
Sound pressure level	Cooling	Super high/High/Nom./Low		dBA	37/34/32/27	49/45/44/40	48/47/46/43	50/49/46/42
	Heating	High/Nom./Low		dBA	34/32/27	45/44/40	47/46/43	49/46/42
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 230			

OUTDOOR UNIT					AZQS71AV1	AZQS100AV1	AZQS125AV1	AZQS140AV1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	1,345x900x320		
Weight	Unit			kg	67	109		
Fan	Air flow rate	Cooling	Nom.	m^3/min	52	96	100	97
		Heating	Nom.	m^3/min	48	90		
Sound power level	Cooling	Nom.		dBA	64	65	67	68
Sound pressure level	Cooling	Nom.		dBA	48	50	51	
	Heating	Nom.		dBA	50	52	53	
	Night quiet mode	Level 1		dBA	43	45		46
Compressor	Type				Hermetically sealed swing compressor	Hermetically sealed scroll compressor		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0			
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5			
Refrigerant	Type				R-410A			
Piping connections	Liquid	OD		mm	9.52			
	Gas	OD		mm	15.9			
	Drain	OD		mm	26			
	Additional refrigerant charge			kg/m	see installation manual 4PW68422-1			
	Level difference	IU - OU	Max.	m	30.0			
		IU - IU	Max.	m	0.5			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			



AHQ71AV1

ARCWLA

INVERTER

Comfort

- Ideal solution for shops, restaurants or offices without false ceilings
- Can be installed in both new and existing buildings

Filter

- Air filter removes airborne dust particles to ensure a steady supply of clean air

Flexible Installation

- Easy installation and maintenance
- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall

AZQS-AV1

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Heating & Cooling

INDOOR UNIT					AHQ71A	AHQ100A	AHQ125A	AHQ140A
Cooling capacity	Nom.			kW	7.6	9.7	12.6	13.5
Heating capacity	Nom.			kW	8.1	11.4	15.4	16.6
Power input	Cooling	Nom.		kW	2.51	3.20	4.44	5.13
	Heating	Nom.		kW	2.66	3.51	4.80	4.37
EER					3.03		2.84	2.63
COP					3.05	3.25	3.21	3.80
Annual energy consumption				kWh	1,255	1,600	2,220	2,565
Energy label	Cooling/Heating				B/D	B/C	C/C	D/A
Dimensions	Unit	HeightxWidthxDepth		mm	218x1,090x630	260x1,538x634	260x1,786x634	285x1,902x680
Weight	Unit			kg	27	45	65	70
Sound power level	Cooling	High		dBA	66	68	-	70
	Heating	High		dBA	66	68	-	70
Sound pressure level	Cooling	High/Nom./Low		dBA	56/51/44	52/47/46	52/50/49	56/53/46
	Heating	High/Nom./Low		dBA	56/51/44	52/47/46	52/50/49	56/53/46
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 230			

OUTDOOR UNIT					AZQS71AV1	AZQS100AV1	AZQS125AV1	AZQS140AV1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	1,345x900x320		
Weight	Unit			kg	67	109		
Fan	Air flow rate	Cooling	Nom.	m^3/min	52	96	100	97
		Heating	Nom.	m^3/min	48	90		
Sound power level	Cooling	Nom.		dBA	64	65	67	68
Sound pressure level	Cooling	Nom.		dBA	48	50	51	
	Heating	Nom.		dBA	50	52	53	
	Night quiet mode	Level 1		dBA	43	45		46
Compressor	Type				Hermetically sealed swing compressor	Hermetically sealed scroll compressor		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0			
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5			
Refrigerant	Type				R-410A			
Piping connections	Liquid	OD		mm	9.52			
	Gas	OD		mm	15.9			
	Drain	OD		mm	26			
	Additional refrigerant charge			kg/m	see installation manual 4PW68422-1			
	Level difference	IU - OU	Max.	m	30.0			
		IU - IU	Max.	m	0.5			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			

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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. participates in the Eurovent Certification programme for Air conditioners (AC), Liquid Chilling Packages (LCP), Air handling units (AHU) and Fan coil units (FCU), Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com

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DAIKIN EUROPE N.V. Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - www.daikin.eu - BE 0412 120 336 - RPR Oostende

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ECPEN11-130 • XXX • 06/11 • Copyright Daikin
The present publication supersedes ECPEN10-015
Printed on non-chlorinated paper. Prepared by **La Movida**, Belgium
Resp. Ed.: Daikin Europe N.V., Zandvoordestraat 300, B-8400 Oostende