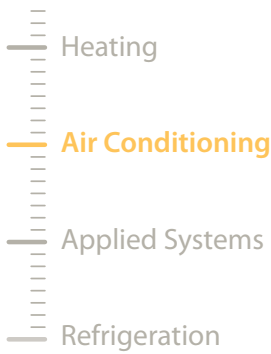




Siesta Sky Air

All Seasons
° CLIMATE COMFORT



Siesta







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 unparalleled 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



22°C

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-B



AZQS-BV1/BY1



ARCWLA



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



Heating & Cooling

INDOOR UNIT				ACQ71B	ACQ100B	ACQ125B	ACQ100B	ACQ125B
Cooling capacity	Min./Nom./Max.		kW	-/6.8/-	-/9.5/-	-/12.1/-	-/9.5/-	-/12.1/-
Heating capacity	Min./Nom./Max.		kW	-/7.5/-	-/10.8/-	-/13.5/-	-/10.8/-	-/13.5/-
Seasonal efficiency (according to EN14825)	Cooling	Energy label		B		-	B	-
		Pdesign	kW	6.80	9.50	-	9.50	-
		SEER		4.65		-	4.65	-
		Annual energy consumption	kWh	512	715	-	715	-
	Heating (Average climate)	Energy label		A		-	A	-
		Pdesign	kW	6.33	7.60	-	7.60	-
SCOP			3.41	3.47	-	3.47	-	
	Annual energy consumption	kWh	2,599	3,066	-	3,066	-	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.31	3.21	3.01	3.21	3.01	
	COP		3.61		3.41	3.61	3.41	
	Annual energy consumption	kWh	1,025	1,480	2,010	1,480	2,010	
	Energy label	Cooling/Heating	A/A		B/B	A/A	B/B	
Casing	Colour	-						
Dimensions	Unit	HeightxWidthxDepth	mm	265x820x820		300x820x820		
Weight	Unit		kg	31		39		
Decoration panel	Colour	White						
	Dimensions	HeightxWidthxDepth	mm	82x990x990				
	Weight		kg	4				
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m ³ /min	24.4/20.5/17.6/15.0	29.2/24.4/21.0/17.6	34.0/29.2/26.3/22.1	29.2/24.4/21.0/17.6	34.0/29.2/26.3/22.1
	Heating	High/Nom./Low/Silent operation	m ³ /min	24.4/20.5/17.6/15.0	29.2/24.4/21.0/17.6	34.0/29.2/26.3/22.1	29.2/24.4/21.0/17.6	34.0/29.2/26.3/22.1
Fan - External static pressure	High/Nom./Low		Pa	0/0/0				
Sound power level	Cooling	High/Nom./Low	dBA	54/50/48	56/54/53	60/56/54	56/54/53	60/56/54
	Heating	High/Nom./Low	dBA	54/50/48	56/54/53	60/56/54	56/54/53	60/56/54
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	41/38/35/32	44/41/38/36	47/44/43/41	44/41/38/36	47/44/43/41
	Heating	High/Nom./Low/Silent operation	dBA	41/38/35/32	44/41/38/36	47/44/43/41	44/41/38/36	47/44/43/41
Piping connections	Liquid	OD	mm	9.52				
	Gas	OD	mm	15.88				
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240				

OUTDOOR UNIT				AZQS71BV1	AZQS100BV1	AZQS125BV1	AZQS100BY1	AZQS125BYV1
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320		990x940x320		
Weight	Unit		kg	67		81		82
Fan - Air flow rate	Cooling	Nom.	m ³ /min	52.0	76	77	76	77
	Heating	Nom.	m ³ /min	48.0		83		
Sound power level	Cooling	Nom.	dBA	64	70	71	70	71
Sound pressure level	Cooling	Nom./Silent operation	dBA	48/43	53/-	54/-	53/-	54/-
	Heating	Nom.	dBA	50	57	58	57	58
Operation range	Night quiet mode	Level 1	dBA	-				
	Cooling	Ambient	Min.-Max.	°CDB -5.0~46.0				
	Heating	Ambient	Min.-Max.	°CWB -15.0~15.5				
Refrigerant	Type/GWP	R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m		50		
		System	Equivalent	m		70		
	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				3N~ / 50 / 380-415
Current - 50Hz	Maximum fuse amps (MFA)		A	20				-

(1) EER/COP according to Eurovent 2012



ABQ71B



AZQS71BV1



ARCWA



- › 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- › 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
- › Compact dimensions, can easily be mounted in a narrow ceiling void
- › Air filter removes airborne dust particles to ensure a steady supply of clean air
- › Easy installation and maintenance



Heating & Cooling

INDOOR UNIT				ABQ71B	ABQ125A	ABQ140A	ABQ125A	ABQ140A	
Cooling capacity	Min./Nom./Max.		kW	-/6.8/-	-/12.1/-	-/13.0/-	-/12.1/-	-/13.0/-	
Heating capacity	Min./Nom./Max.		kW	-/7.5/-	-/13.5/-	-/15.5/-	-/13.5/-	-/15.5/-	
Seasonal efficiency (according to EN14825)	Cooling	Energy label		B					
		Pdesign	kW	6.80					
		SEER		4.65					
		Annual energy consumption	kWh	512					
	Heating (Average climate)	Energy label		A					
		Pdesign	kW	6.33					
		SCOP		3.41					
		Annual energy consumption	kWh	2,599					
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER			3.01	2.91	3.01	2.91	3.01	
	COP			3.61			3.41		
	Annual energy consumption	kWh		1,130	2,079	2,159	2,079	2,159	
Casing	Energy label	Cooling/Heating		B/A		C/B		B/B	
	Colour								
Dimensions	Unit	HeightxWidthxDepth	mm	285x1,007x600	378x1,388x541	378x1,588x541	378x1,388x541	378x1,588x541	
	Weight	Unit	kg	35	50.0	56.0	50.0	56.0	
Fan - Air flow rate	Cooling	High/Nom./Low	m³/min	18.3/17.0/15.6					
	Heating	High/Nom./Low operation	m³/min	18.3/17.0/15.6	1,430/1,430/1,430	1,720/1,720/1,720	1,430/1,430/1,430	1,720/1,720/1,720	
Fan - External static pressure	Super high/High	Nom./Low	Pa	-/88/76/63	147/126/109/92	147/120/90/69	147/126/109/92	147/120/90/69	
Sound power level	Cooling	Super high/High/Nom./Low	dBA	-/64/59/54	78/76/73/70	79/78/75/71	78/76/73/70	79/78/75/71	
	Heating	High/Nom./Low	dBA	64/59/54	76/73/70	78/75/71	76/73/70	78/75/71	
Sound pressure level	Cooling	Super high/High/Nom./Low	dBA	-	53/52/50/47	55/53/50/47	53/52/50/47	55/53/50/47	
	Heating	High/Nom./Low	dBA	-	52/50/47	53/50/47	52/50/47	53/50/47	
Piping connections	Liquid	OD	mm			9.52			
	Gas	OD	mm			15.88			
Power supply	Phase / Frequency / Voltage	Hz / V		1~ / 50 / 220-240			1~ / 50 / 230		

OUTDOOR UNIT				AZQS71BV1	AZQS125BV1	AZQS140BV1	AZQS125BV1	AZQS140BV1
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320	990x940x320	1,430x940x320	990x940x320	1,430x940x320
	Weight	Unit	kg	67	81	102	82	101
Fan - Air flow rate	Cooling	Nom.	m³/min	52.0	77	83	77	83
	Heating	Nom.	m³/min	48.0	83	62	83	62
Sound power level	Cooling	Nom.	dBA	64	71	70	71	70
Sound pressure level	Cooling	Nom./Silent operation	dBA	48/43	54	53	54	53
	Heating	Nom.	dBA	50	58	54	58	54
	Night quiet mode	Level 1	dBA	-			49	
Operation range	Cooling	Ambient	Min.-Max. °CDB			-5.0~46.0		
	Heating	Ambient	Min.-Max. °CWB			-15.0~15.5		
Refrigerant	Type/GWP	R-410A/1,975						
Piping connections	Piping length	OU - IU	Max. m	30			50	
		System	Equivalent m	40			70	
	Level difference	IU - OU	Max. m	15.0			30.0	
		IU - IU	Max. m	-			0.5	
Power supply	Phase / Frequency / Voltage	Hz / V		1~ / 50 / 220-240			3N~ / 50 / 380-415	
Current - 50Hz	Maximum fuse amps (MFA)	A		20			-	

(1) EER/COP according to Eurovent 2012



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.

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