



Siesta Sky Air



COMMERCIAL CATALOGUE

Siesta



About Daikin

Daikin has a worldwide reputation based on over 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.

Daikin leading the way to seasonal efficiency

While the challenges of Eco-Design are immense, Daikin has resolutely chosen for early implementation of this new legislation. Already in 2010, Daikin launched a new light commercial range fully optimised for seasonal efficiency. The Seasonal Smart series in this range in fact already complies with with the very challenging 2014 minimum requirements. Today Daikin is proud to indicate the seasonal performance of its entire residential and light commercial range up to 12kW.

Why choose Daikin?

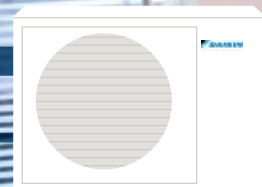
Cutting edge technology

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-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	Nom.		kW	6.8	9.5	12.1	9.5	12.1
Heating capacity	Nom.		kW	7.5	10.8	13.5	10.8	13.5
Seasonal efficiency (according to EN14825)	Cooling	Energy label		B	B	-	B	-
		Pdesign	kW	6.80	9.50	-	9.50	-
		SEER		4.65	4.65	-	4.65	-
	Heating (Average climate)	Annual energy consumption	kWh	512	715	-	715	-
		Energy label		A	A	-	A	-
		Pdesign	kW	6.33	7.60	-	7.60	-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	SCOP		3.41	3.47	-	3.47	-	
	Annual energy consumption	kWh	2,599	3,066	-	3,066	-	
	EER		3.31	3.21	3.01	3.21	3.01	
Casing	Colour							
	Dimensions	Unit	HeightxWidthxDpeth	mm	265x820x820		300x820x820	
Weight	Unit		kg	31		39		
	Colour					White		
Decoration panel	Dimensions	Unit	HeightxWidthxDpeth	mm		82x990x990		
	Weight		kg			4		
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m³/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.	m³/min	24.4/20.5	29.2/24.4	34.0/29.2	29.2/24.4	34.0/29.2
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		

(1) EER/COP according to Eurovent 2012

OUTDOOR UNIT				AZQS71BV1	AZQS100BV1	AZQS125BV1	AZQS100AV1	AZQS125AV1
Dimensions	Unit	HeightxWidthxDpeth	mm	770x900x320		990x940x320		
Weight	Unit		kg	67	81		82	
	Cooling	Nom.	m³/min	52.0	76	77	76	77
Fan - Air flow rate	Heating	Nom.	m³/min	48.0		83		
	Cooling	Nom.	dBA	64	70	71	70	71
Sound pressure level	Cooling	Nom.	dBA	48	53	54	53	54
	Heating	Nom.	dBA	50	57	58	57	58
Operation range	Night quiet mode	Level 1	dBA	-		49		
	Cooling	Ambient	Min.~Max. °CDB			-5.0~46.0		
Refrigerant	Heating	Ambient	Min.~Max. °CWB			-15.0~15.5		
	Type/GWP					R-410A/1,975		
Piping connections	Piping length	OU - IU	Max.	m	30		50	
	System	IU - OU	Max.	m	40		70	
	Level difference	IU - IU	Max.	m	15.0		30.0	
Power supply	Phase / Frequency / Voltage		Hz / V		1~ / 50 / 220-240		3N~ / 50 / 380-415	
Current - 50Hz	Maximum fuse amps (MFA)		A	20		-		



ABQ71B



AZQS71BV1



ARCWB



- › 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	-	-	-	
	Heating (Average climate)	Annual energy consumption	kWh	512	-	-	-	
		Energy label	A					
		Pdesign	kW	6.33	-	-	-	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	SCOP		3.41	-	-	-		
	Annual energy consumption	kWh	2,599	-	-	-		
	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	
	Energy label	Cooling/Heating	B/A	C/B	B/B	C/B	B/B	
Casing	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/-	1,720/-	1,430/-	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	AZQS125BY1	AZQS140BY1	
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



AHQ125CV1



AZQS140BV1/BY1



ARCWLA



- › Ideal solution for shops, restaurants or offices with no or narrow false ceilings
- › Can be installed in both new and existing buildings
- › Air filter removes airborne dust particles to ensure a steady supply of clean air
- › Easy installation and maintenance



Heating & Cooling

INDOOR UNIT			AHQ71C	AHQ100C	AHQ125C	AHQ140C	AHQ100C	AHQ125C	AHQ140C		
Cooling capacity	Min./Nom./Max.		-/6.8/-	-/9.5/-	-/12.1/-	-/13.0/-	-/9.5/-	-/12.1/-	-/13.0/-		
Heating capacity	Min./Nom./Max.		-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-		
Seasonal efficiency (according to EN14825)	Cooling	Energy label	B		-		B		-		
		Pdesign	kW	6.80	9.50	-		9.50	-		
		SEER		4.65	4.60	-		4.60	-		
	Heating (Average climate)	Annual energy consumption	kWh	511	723	-		723	-		
		Energy label		A		-		A		-	
		Pdesign	kW	6.33	7.60	-		7.60	-		
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.03	2.62	2.63	3.01	2.62	2.63	3.01		
	COP		3.05	3.41	3.61	3.41	3.61	3.61	3.41		
Annual energy consumption	kWh		1,120	1,810	2,300	2,159	1,810	2,300	2,159		
	Energy label	Cooling/Heating	B/D	D/B	D/A	B/B	D/B	D/A	B/B		
Casing	Colour		White								
Dimensions	Unit	HeightxWidthxDepth	mm	260x1,320x634	260x1,538x634	260x1,786x634	285x1,902x680	260x1,538x634	260x1,786x634	285x1,902x680	
Weight	Unit		kg	38	45	54	70	45	54	70	
Fan - Air flow rate	Cooling	High/Nom./Low	m ³ /min	23.8/21.3/18.9	31.1/27.8/24.8	34.4/30.6/27.2	43.9/39.1/28.3	31.1/27.8/24.8	34.4/30.6/27.2	43.9/39.1/28.3	
	Heating	High/Nom./Low/Silent operation	m ³ /min	23.8/21.3/18.9/-	31.1/27.8/24.8/-	34.4/30.6/27.2/-	43.9/39.1/28.3/-	31.1/27.8/24.8/-	34.4/30.6/27.2/-	43.9/39.1/28.3/-	
Fan - External static pressure	High/Nom./Low		Pa	0/0/0							
Sound power level	Cooling	High	dBA	62	64	69	70	64	69	70	
	Heating	High	dBA	62	64	69	70	64	69	70	
Sound pressure level	Cooling	High/Nom./Low	dBA	49/48/46	52/47/46	52/50/49	56/53/46	52/47/46	52/50/49	56/53/46	
	Heating	High/Nom./Low	dBA	49/48/46	52/47/46	52/50/49	56/53/46	52/47/46	52/50/49	56/53/46	
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	AZQS140BV1	AZQS100BY1	AZQS125BY1	AZQS140BY1
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit		kg	67	81	102	102	82	101	101
Fan - Air flow rate	Cooling	Nom.	m ³ /min	52.0	76	77	83	76	77	83
	Heating	Nom.	m ³ /min	48.0	83	83	62	83	62	62
Sound power level	Cooling	Nom.	dBA	64	70	71	70	71	70	70
	Heating	Nom./Silent operation	dBA	48/43	53/-	54/-	53/-	54/-	53/-	53/-
Sound pressure level	Heating	Nom.	dBA	50	57	58	54	57	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						

Individual control systems

Overview controllers for Siesta Sky Air

Siesta Sky Air indoor units	Controllers
ACQ*A 4-way blow, ceiling mounted cassette ACQ-B	- Standard wireless remote controller in box of decoration panel ADP125A - Optional wired remote controller ARCWB
AHQ*C ceiling suspended	- Standard wireless remote controller in box of indoor unit - Optional wired remote controller ARCWB
ABQ*A concealed ceiling ABQ*B	Standard wired remote controller (ARCWA) in box of indoor unit

Overview of features

Feature		ARCWA	ARCWB
		Standard with ABQ* A/B	Option for AHQ*C and ACQ-A/B
			
1	ON/OFF switch	Standard	Standard
2	Temperature setting	Default range 16-30°C	Standard
		Optional range 20-30°C	By dipswitch selection
		Switch between °C and °F	Standard
3	Room temperature display	Standard	Not available
4	Room temperature sensor on remote controller	Standard	Standard
5	Cool / Fan dry / Heat / Auto	Standard	Standard
6	Sleep mode	Standard	Standard
7	Fan Speed selection	Standard	Standard
8	Delay timer	1, 2 & 4 hours delay	1, 2 & 4 hours delay
9	7-days programmable timer	Standard	Standard
10	Real time clock display	Standard	Standard
11	Air swing selection	ON/OFF swing mode	Standard
		Change swing option (draft/soil prevention or standard)	Not available
12	LCD display without backlight	Standard	Standard
13	Key lock	Standard	Standard
14	Error code indication	Standard	Standard
15	IR receiver to enable compatibility with wireless remote controller (disabled when lock function is activated)	Standard	Standard
16	Last state memory from indoor PCB	Standard	Standard
17	Silent mode	Not available	By dipswitch selection
18	Turbo mode	Not available	By dipswitch selection
19	Compressor test model (compressor force ON)	Standard	Standard
20	Daikin inverter error code	Not available	Standard
21	UART communication port (for Daikin protocol)	Not available	Standard
22	Backup battery	Standard	Standard

Specifications

Dimensions (length x width x height) ARCWB: 0.15 m x 0.21 m x 0.04 m.

ARCWB comes standard with a 10 meter wire, which can be extended to maximum wire length of 15 meter. For reference: ARCWA comes standard with a 10 meter **wire**, which cannot be extended.

ARCWB & ARCWA can only control **one indoor unit** at a time; group control is only possible when using option R04084124324.



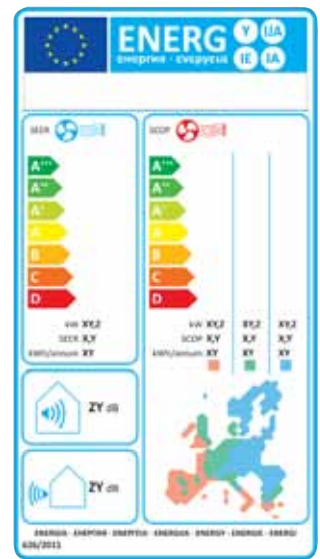


Europe's new energy label: raising the bar on energy efficiency

To realise its challenging 20-20-20 environmental goals, Europe is imposing minimum efficiency requirements for energy related projects. These minimum requirements come into effect on 1 January 2013, and will be revised upward in subsequent years.

Not only does the Eco-Design Directive systematically raise the minimum requirements with respect to environmental performance, the method used to measure this performance has also been changed to better reflect real-life conditions. The new seasonal performance rating provides a much more accurate picture of actual expected energy efficiency over an entire heating or cooling season.

Completing the picture is a new energy label for EU. The present label, introduced in 1992 and modified in the meantime, allows consumers to compare and make purchasing decisions based on uniform labelling criteria. The new label includes multiple classifications from A+++ to D reflected in colour shadings ranging from dark green (most energy efficient) to red (least efficient). Information on the new label includes not only the new seasonal efficiency ratings for heating (SCOP) and cooling (SEER), but also annual energy consumption and sound levels. It will allow end-users to make even better informed choices, since seasonal efficiency reflects air conditioner or heat pump efficiency over an entire season.



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