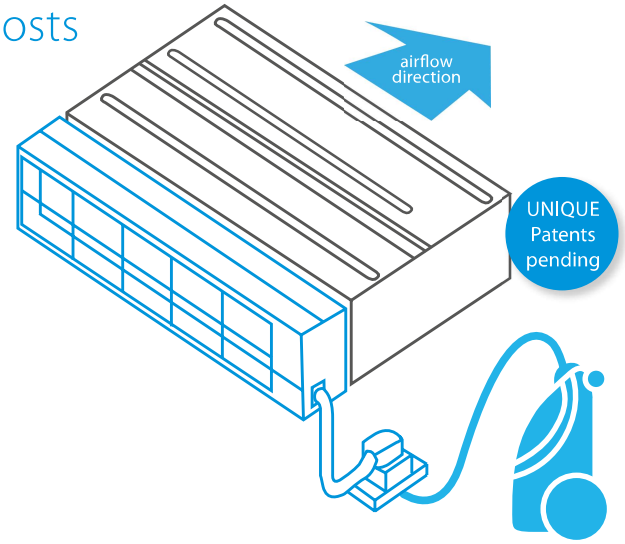
Auto cleaning filter

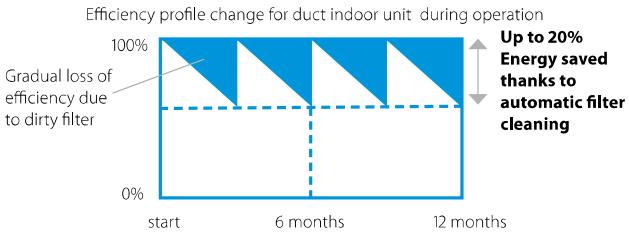
for concealed ceiling units

The unique automatic cleaning filter achieves higher efficiency and comfort with lower maintenance costs



Reduce running costs

› Automatic filter cleaning ensures low maintenance costs because the filter is always clean



Minimal time required for filter cleaning

› The dust box can be emptied with a vacuum cleaner for fast and easy cleaning
› No more dirty ceilings

Improved indoor air quality

› Optimum airflow eliminates draft and insulates sound

Superb reliability

› Prevents clogged filters for seamless operation

Unique technology

› Unique and innovative filter technology inspired by the Daikin auto cleaning cassette

Unique in the market

How does it work?

1. **Scheduled automatic filter cleaning**
2. **Dust collects in a dust box that's integrated into the unit**
3. **The dust can easily be removed with a vacuum cleaner**

youtube.com/DaikinEurope

Combination table

	Split / Sky Air				VRV						
	FDXM-F9				FXDA-A/FXDQ-A3						
	25	35	50	60	15	20	25	32	40	50	63
BAE20A62	•	•			•	•	•	•			
BAE20A82									•	•	
BAE20A102			•	•							•

Specifications

	BAE20A62	BAE20A82	BAE20A102
Height (mm)	210		
Width (mm)	830	1,030	1,230
Depth (mm)	188		

Multi zoning kit

for concealed ceiling units

The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones via a centralised thermostat located in the main room and individual thermostats for each of the zones.

Benefits

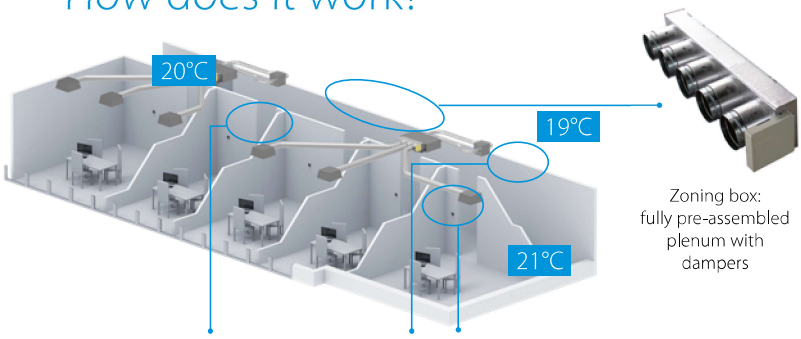
Increased comfort

› Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control

Easy to install

› Automatic air flow adjustment according to the demand
› Easy to install, integrates with the Daikin indoor units and system controls
› Time saving as plenum comes fully pre-assembled with dampers, and control boards
› Reduces the amount of refrigerant required in the installation

How does it work?



Zoning box: fully pre-assembled plenum with dampers

Individual zone thermostats

Blueface - Airzone Main Thermostat
› Color graphic interface for controlling zones

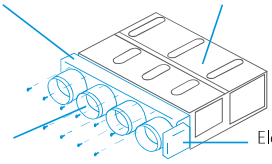
AZCE6BLUEZEROCB (Wired)

Airzone Zone Thermostat
› Graphic interface with low-energy e-ink screen for controlling zones

AZCE6THINKCB (Wired)
AZCE6THINKRB (Wireless)

Airzone Zone Thermostat
› Thermostat with buttons for controlling the temperature

AZCE6LITECB (Wired)
AZCE6LITERB (Wireless)



Compatibility

	Number of motorised dampers	Reference	Dimensions H x W x D (mm)	SkyAir FDXM-F9 25	35	50	60	FBA-A(9) 35	50	60	71	100	125	140	ADEA-A 71	100	125	VRV FXDQ-A3 15	20	25	32	40	50	63	FXSQ-A 15	20	25	32	40	50	63	71	80	100	125	140
Standard Ceiling Void	2	AZEZ6DAIST07XS2	300 x 930 x 454																						•	•	•	•								
		AZEZ6DAIST07S2						•	•																				•	•						
	3	AZEZ6DAIST07XS3	300 x 930 x 454																						•	•	•	•								
		AZEZ6DAIST07S3						•	•																				•	•						
	4	AZEZ6DAIST07S4	300 x 930 x 454					•	•																				•	•						
		AZEZ6DAIST07M4	300 x 1,140 x 454							•	•				•																•		•			
	5	AZEZ6DAIST07M5	300 x 1,425 x 454							•	•				•																•		•			
		AZEZ6DAIST07L5										•	•	•		•	•																	•	•	
	6	AZEZ6DAIST07M6	300 x 1,638 x 454							•	•				•																•		•			
		AZEZ6DAIST07L6										•	•	•		•	•																	•	•	
	7	AZEZ6DAIST07L7	515 x 1,425 x 454									•	•	•		•	•																	•	•	
		AZEZ6DAIST07XL7																																		•
	8	AZEZ6DAIST07L8	515 x 1,425 x 454									•	•	•		•	•																	•	•	
		AZEZ6DAIST07XL8																																		•
Compact Ceiling Void	2	AZEZ6DAISL01S2	210 x 720 x 444	•	•													•	•	•	•															
	3	AZEZ6DAISL01S3	210 x 720 x 444	•	•													•	•	•	•															
	4	AZEZ6DAISL01M4	210 x 930 x 444																			•	•													
	5	AZEZ6DAISL01L5	210 x 1,140 x 444			•	•																	•												

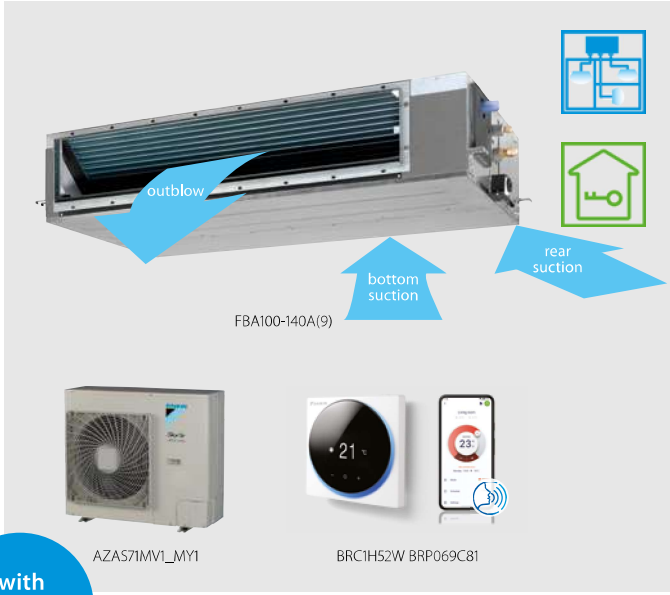
For more information on options refer to page 876

SkyAir Active-series BLUEVOLUTION

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Ideal solution for small businesses and shops
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Reduced energy consumption thanks to specially developed DC fan motor
- Optional fresh air intake
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed



with multi zoning option

More details and final information can be found by scanning or clicking the QR codes.

FBA-A(9) ARXM-R AZAS-MV1 AZAS-MY1

Efficiency data		FCAG + ARXM / AZAS	71A9 + ARXM71R	100A + AZAS100MV1	125A + AZAS125MV1	140A + AZAS140MV1	100A + AZAS100MY1	125A + AZAS125MY1	140A + AZAS140MY1
Cooling capacity	Nom.	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.	kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class		A	A	-		A	-	
	Capacity Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
	SEER		5.57	5.25	4.85	5.50	5.25	4.85	5.50
	ηs,c		-		191	217	-	191	217
	Annual energy consumption	kWh/a	427	633	1,497	1,418	633	1,497	1,418
Space heating (Average climate)	Energy efficiency class		A		-		A	-	
	Capacity Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A		3.81		3.55	3.85	3.81	3.55	3.85
	ηs,h		-		139	151	-	139	151
	Annual energy consumption	kWh/a	1,652	2,205	2,366	2,836	2,205	2,366	2,836

Indoor unit			FBA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth	mm	245 x1,000 x800	245 x1,400 x800					
Weight	Unit		kg	35.0	46.0					
Air filter	Type			Resin net						
Fan	Air flow rate	Cooling Low/Medium/High	m^3/min	12.5 /15.0 /18.0	23.0 /26.0 /29.0	23.5 /29.0 /34.0		23.0 /26.0 /29.0	23.5 /29.0 /34.0	
		Heating Low/Medium/High	m^3/min	12.5 /15.0 /18.0	23.0 /26.0 /29.0	23.5 /29.0 /34.0		23.0 /26.0 /29.0	23.5 /29.0 /34.0	
	External static pressure	Nom./High	Pa	30 /150	40 /150	50 /150		40 /150	50 /150	
Sound power level	Cooling		dBA	56.0	58.0	62.0		58.0	62.0	
Sound pressure level	Cooling	Low/Medium/High	dBA	25.0 /28.0 /30.0	30.0 /32.0 /34.0	32.0 /35.0 /37.0		30.0 /32.0 /34.0	32.0 /35.0 /37.0	
	Heating	Low/Medium/High	dBA	25.0 /28.0 /31.0	30.0 /33.0 /36.0	32.0 /35.0 /38.0		30.0 /33.0 /36.0	32.0 /35.0 /38.0	
Control systems	Infrared remote control			BRC4C65 / BRC4C66						
	Wired remote control			BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52						
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220						

Outdoor unit				ARXM71R	AZAS100MV1	AZAS125MV1	AZAS140MV1	AZAS100MY1	AZAS125MY1	AZAS140MY1
Dimensions	Unit	HeightxWidthxDepth	mm	734 x954 x401	990 x940 x320					
Weight	Unit		kg	49.0	70		78	70		77
Sound power level	Cooling			-	70	71	73	70	71	73
				-		71	73	-	71	73
Sound pressure level	Cooling	Nom.	dBA	52.0	53		54	53		54
	Heating	Nom.	dBA	52.0	57					
Operation range	Cooling	Ambient Min.~Max.	°CDB	-10~46	-5 ~46					
	Heating	Ambient Min.~Max.	°CWB	-15~18	-15 ~15.5					
Refrigerant	Type/GWP			R-32/675						
	Charge		kg/TCO2Eq	1.15 /0.780	2.60 /1.76		2.90 /1.96	2.60 /1.76		2.90 /1.96
Piping connections	Liquid/Gas OD		mm	9.52 /15.9						
	Piping length	OU - IU Max.	m	30						
		System Equivalent	m	-	50					
		Chargeless	m	-	30					
	Additional refrigerant charge		kg/m	0.035 (for piping length exceeding 10m)	See installation manual					
	Level difference IU - OU	Max.	m	20.0	30.0					
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50 /220-240				3~/50 /380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	-	25	32		16		

Contains fluorinated greenhouse gases