The Multi-zoning system

The multi-zoning system is a multi-area air conditioning solution. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions.

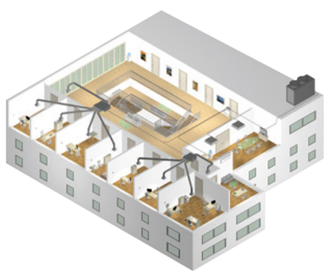
This system supports control of up to 8 zones via a centralised thermostat located in the main room and individual thermostats for each of the zones.

The Multi-zoning system

A single ducted unit individually manages up to 8 zones with varying requirements.
This solution lends itself equally well to residential and small commercial projects.

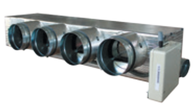
Residential scenario

Small commercial scenario



2 available models

An accessory located at the output from the ducted unit, that is at the point of air discharge of the indoor unit, allows the various zones to be managed. This equipment, called multi-zoning kits, are fitted with motorized dampers - which are driven each individually by one single zone.



Compact ceiling void for FXDQ-A3 and FDXM-F3

Standard ceiling void for FBA-A, FXSQ-A and ADEQ-C

Compatibility chart

Commercial applications

Residential applications

	Reversible Version			FDXM-F3				FBA-A							ADEQ-C			FXDQ-A3							FXSQ-A											
	Number of motorised dampers	Reference	Dimensions H x W x D (mm)	25	35	50	60	35	50	60	71	100	125	140	71	100	125	15	20	25	32	40	50	63	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			•	•																		•											

FSC MIX Paper from responsible sources FSC® C109049

ECPEN17-011 07/17

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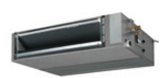
DAIKIN

Daikin Combined Multi-zoning

› Residential and Commercial Application

› Split, Multisplit, Sky Air and VRV Compatible Product Ranges

FXDQ-A3 and FDXM-F3



FBA-A, ADEQ-C, FXSQ-A

Heat pumps

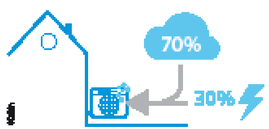
The solution for those with vision for the future

You want to equip yourself with a heating system, which will last a long time and supports energy saving? You want to combine quality of life and respect for the environment by taking advantage of renewable energy?

By choosing a Daikin heat pump, you are making a responsible and sustainable choice, with a keen eye for the future.

A renewable resource

Heat pumps make it possible to recover the heat energy in the outdoor air, even when it is cold. Using a compression system, they are able to very efficiently heat the interior of an apartment or house or office. Heat pumps are uniquely able to use electricity to operate the system: the heat that they recover is entirely captured from the outdoor air. Energy consumption is thus minimal and much less than that of an electric convection heater, for example.
Up to 70% of the heat produced by a heat pump is free as it comes from the outdoor air, a free and infinite resource!



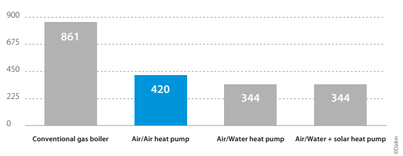
Focus on seasonal efficiency

This method measures the heat energy and refrigeration performance across the entire range of outdoor temperatures and under different load conditions throughout an entire heating or cooling season. Otherwise, auxiliary modes such as standby mode, are also taken into account in the new seasonal efficiency values. Seasonal efficiency thus supports a better way of expressing actual performance of the installed system.

Savings: statistical proof

Because it uses renewable energy allowing it to maintain reduced energy consumption, the heat pump is without doubt the most efficient solution for heating, both today and for a long time to come!

Estimated cost of energy consumption in € including VAT / year*



*House refurbishment - 3 to 4 occupants / Livable floor space: 100 m² / Department: Yvelines (78) / Year of construction : between 1989 and 2001/ Type of house: Rectangular / Single-storey / adjoining properties: Detached. This fuel-economy gauge has been made based on calculation modules developed by the Heat Research Agency TRIBU ENERGIE, based on the 3CL calculation method used for Energy Performance Diagnostics (EPD) provided for in the regulations. The heat pumps chosen in this simulation are Daikin heat pumps referred to in NF PAC, independent certification. The results presented are estimated calculations, which can under no circumstances serve as a replacement for diagnostic advice provided by a consultancy firm or corroborated by your fitter. In particular, they do not take into account the quality of the installation of your future heating equipment. Moreover, it should be noted that these calculations do not include the energy consumption of your various domestic appliances. Consequently, it is likely that the results provided here by the fuel-economy graphic are not in line with the consumption levels featuring on your energy bill. The conversion ratios for primary energy and CO2 are those that have been taken from the EPD. Expenses are calculated from the Pegasus Energy Observatory database (August 2018).

Air/Air heat pumps, tailor-made comfort

Whatever the specific features of your home or office environment (brand new house, old apartment, loft conversion...), Daikin can offer you a solution to fit.

The advantages of the solution

Easy assembly and installation

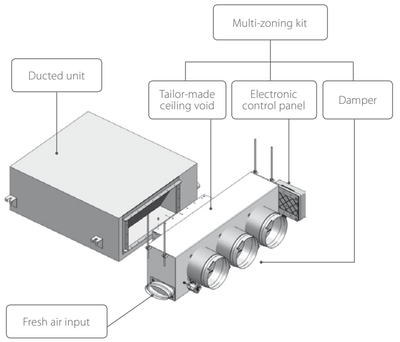
› Packaged solution
› Plug and play installation
› Auto adaptive regulation depending on actual demand

Optimised level of convenience

› Each zone is individually controlled
› Set point adjustment to 0,5°C

Ideal for residential and small commercial applications

› Option to control up to 8 zones

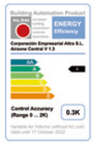


Tailor-made ceiling void for the perfect fit

The benefits

› Option to **easily reconfigure the system** including in movable partitions
› **Optimised RT2012 input**: eu.bac certification with 0,3 K certified CA
› **Fresh air input available** in the lower part of the ceiling void
› **Attractive solution**: range of interfaces, with modern, elegant design, designed to discretely fit into all interiors

eu.bac Cert european building automation controls association



Focus on... control per zone

Each zone can be fitted with a thermostat. You will be able to choose between 3 versions: colour, touch or simplified.

Available thermostats

Blueface - Main thermostat

› Intuitive graphical, colour interface for controlling zones
› Wired communication
› Touch screen
› Programmable

Ref: AZCE6BLUEFACECB

Think - Zone thermostat

› Graphical interface for controlling zones
› Radio communication
› E-ink low consumption screen
› Capacitive buttons

Ref: AZCE6THINKRB

Lite - Zone thermostat

› Thermostat with buttons for temperature control
› Radio communication
› Capacitive buttons

Ref: AZCE6LITERB

Accessory

› Bus cable (2 x 0,5 + 2 x 0,22) - 10 m cable length

The wired Daikin BRC1E53A remote control is needed to control operation and maintenance.

BRC1E53A remote control