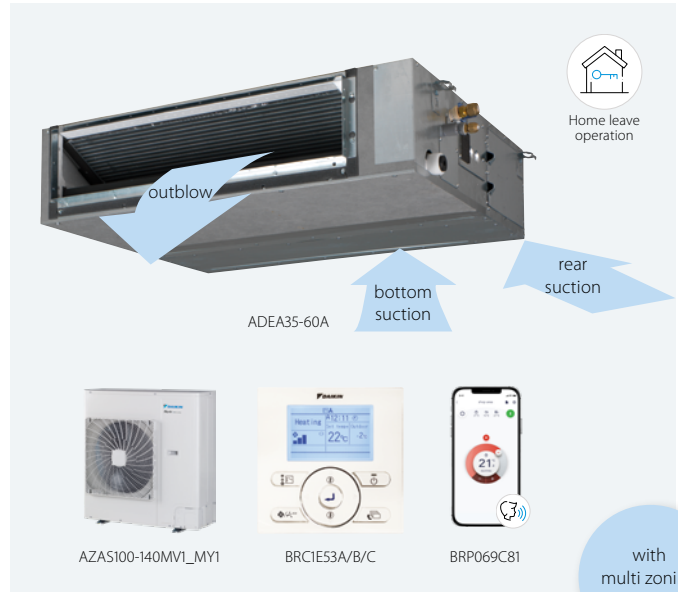




# Concealed ceiling unit

Ideal for residential applications with false ceilings

- Combination with split outdoor units is ideal for small retail, offices or residential applications
- 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



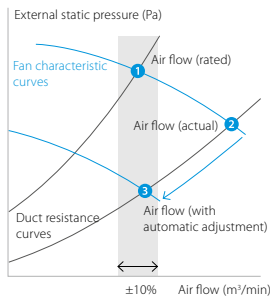
with multi zoning option

## Optimised supply air volume

Automatically selects the most appropriate fan speed to achieve the units' nominal air flow within ±10%

### Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance → the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature. Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



ADEA-A

ARXM-R

AZAS-MV

Efficiency data		ADEA + ARXM/AZAS		71A + ARXM71R		100A + AZAS100MV		125A + AZAS125MV		
Cooling capacity	Nom.	kW		6.80/6.98		9.50		12.10		
Heating capacity	Nom.	kW		7.50/7.66		10.80		13.50		
Space cooling	Energy efficiency class		A		A		-			
	Capacity	Pdesign	kW		6.80		9.50		12.10	
	SEER		5.35		5.13		4.73			
	ηs,c		%		445		-		186	
Space heating (Average climate)	Energy efficiency class		A		A		-			
	Capacity	Pdesign	kW		3.80		6.00		-	
	SCOP/A		2,209		3.81		3.50			
	ηs,h		%		-		137		2,399	
Annual energy consumption		kWh/a		2,206		-		-		

Indoor unit			ADEA		71A		100A		125A	
Dimensions	Unit	HeightxWidthxDpeth	mm		245x1,000x800		245x1,400x800			
Weight	Unit		kg		35.0		46.0			
Air filter	Type				Resin net					
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min	12.5/15.0/18.0		23.0/26.0/29.0		23.5/29.0/34.0	
		Heating	Low/Medium/High	m³/min	12.5/15.0/18.0		23.0/26.0/29.0		23.5/29.0/34.0	
		External static pressure	Nom./High	Pa	30/150		40/150		50/150	
Sound power level	Cooling			dBA	56		58		62	
Sound pressure level	Cooling	Low/Medium/High		dBA	25/28/30		30/32/34		32/35/37	
	Heating	Low/Medium/High		dBA	25/28/31		30/33/36		32/35/38	
Control systems	Infrared remote control				BRC4C65 / BRC4C66					
	Wired remote control				BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52					
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50 /220-240/220					


Outdoor unit			ARXM/AZAS		ARXM71R		AZAS100MV		AZAS125MV	
Dimensions	Unit	HeightxWidthxDpeth	mm		734x954x401		990x940x320			
Weight	Unit		kg		49.0		72			
Sound power level	Cooling		dBA		-		70		71	
	Heating		dBA		-		-		71	
Sound pressure level	Cooling	Nom.	dBA		52.0		53			
	Heating	Nom.	dBA		52.0		57			
Operation range	Cooling	Ambient	Min.~Max.	°CDB			-10 ~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~-24		-15 ~15.5			
Refrigerant	Type/GWP				R-32/675					
	Charge		kg/TCO2Eq		1.15/0.780		2.60/1.76			
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			
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50 /220-240					
Current - 50Hz	Maximum fuse amps (MFA)		A		-		25		32	

Contains fluorinated greenhouse gases



video 2"  
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Megaclima**

video 4"  
 **Academia  
Megaclima**

video 7"  
 **Por dentro da  
Megaclima**

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