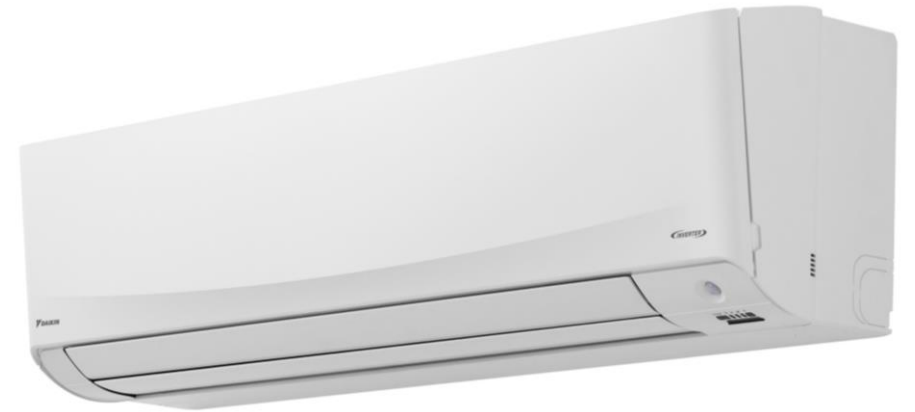




XL

LARGE WALL MOUNTED  
SPLIT SYSTEM

FTXV-WVMA



		CURRENT			NEW			
		Class	Indoor	Outdoor	Capacity, kW (Cool/Heat)	Indoor	Outdoor	Capacity, kW (Cool/Heat)
Reverse Cycle	85		FTXV85LVMA	RXV85LVMA	8.5/9.0	FTXV80WVMA	RXV80WVMA	<b>8.0</b> /9.0
	95		FTXV95LVMA	RXV95LVMA	9.4/10.3	FTXV90WVMA	RXV90WVMA	<b>9.0</b> /10.3

		Indoor Unit	Outdoor Unit	Controller
Reverse Cycle	85	 <p>329(H) x 1240(W) x 278(D) mm</p>	 <p>990(H) x 940(W) x 320(D) mm</p>	 <p>188.7(H) x 58.5(W) x 23.4(D) mm</p>
	95			

- New XL supersedes FTXV85-95LVMA, available in RC
  - RC: FTXV-**W**VMA: 8.0 – 9.0kW (2 new models)
  - Consistent appearance across entire Cora range “Smile Curve”
- Improved energy efficiency
  - Up **27%** in TCSPF & **1 Star** (80 Class, Avg Zone)

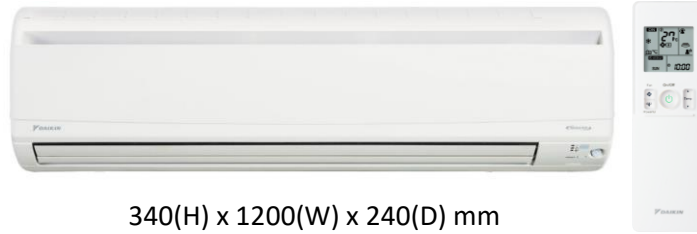


## FEATURES

- Enzyme Blue Filter – improves IAQ by decomposing odours & bacteria
- Mould Proof Operation → prevents growth of mould on internal components
- Built-in Humidity Sensor for improved dry operation (↑**40%** dehumidification)
- Redesigned Dual Flaps → **longer throws up to 10m**
- Optional Wi-Fi (Mobile Controller) available
- Indoor unit quiet operation (37 dBA, 80 Class)
- Trademark Intelligent Eye infrared human presence sensor



## FTXV85LVMA



340(H) x 1200(W) x 240(D) mm

Design		
Capacity	Cool	8.5 kW
	Heat	9.0 kW
Efficiency	Hot (Cool/Heat)	2.5/2.5★
	Average (Cool/Heat)	2.0/2.0★
	Cold (Cool/Heat)	2.0/2.0★
IAQ & Technology	Prefilter	✓
	Enzyme Blue Filter	✓
	Mould Proof Operation	N/A
	Program Dry Function	✓
	Discharge Flap	Dual Flap
Convenience	Built-in S21 Port	Built-in
	Wi-Fi (Mobile Controller)	Optional (BRP072C42 Externally mounted)
	Countdown hourly On/Off Timer	N/A



## FTXV80WVMA

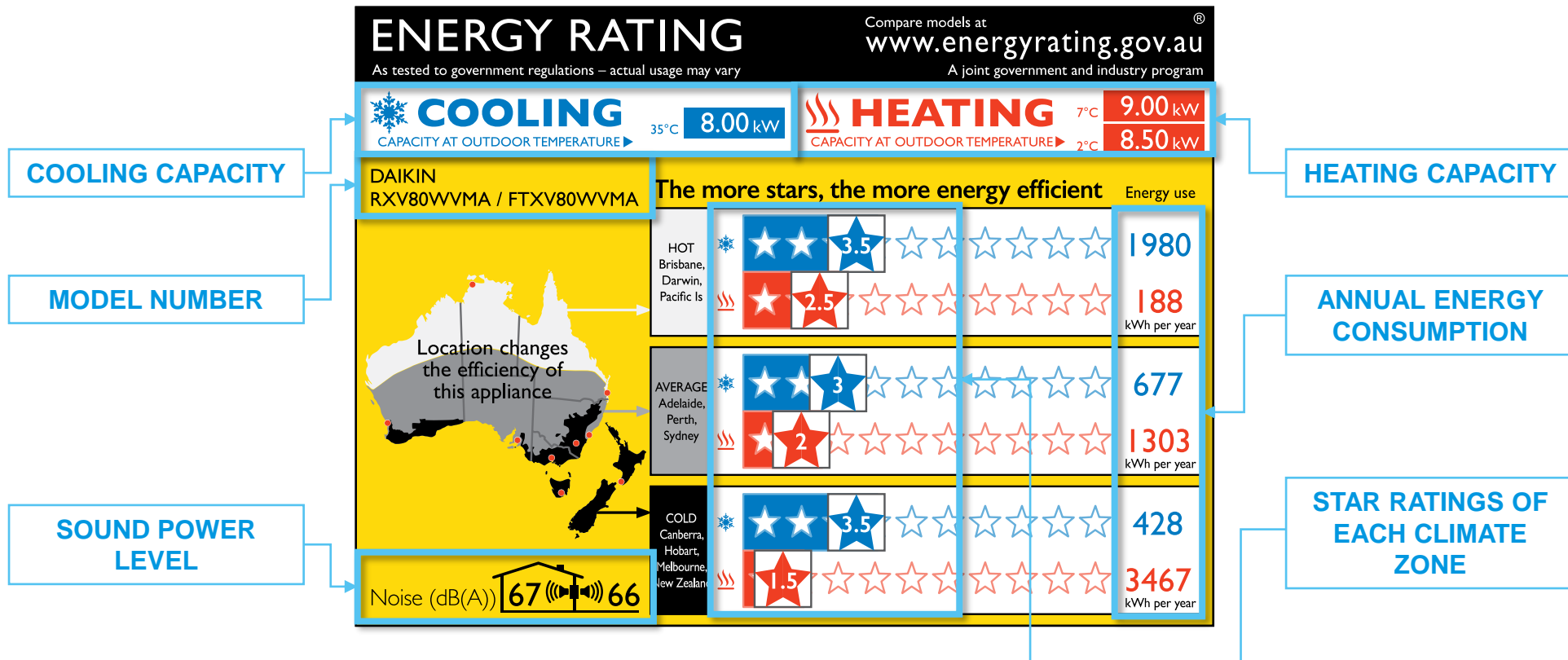


**Redesigned Casing**  
329(H) x 1240(W) x 278(D) mm

Capacity		8.0 kW
Heat		9.0 kW
Hot (Cool/Heat)		3.5/2.5★
Average (Cool/Heat)		3.0/2.0★
Cold (Cool/Heat)		3.5/1.5★
Prefilter		✓
Enzyme Blue Filter		✓
Mould Proof Operation		✓
Program Dry Function		Improved with built-in Humidity Sensor
Discharge Flap		Dual Flap with Aerodynamic End Vanes
Built-in S21 Port		Built-in (KER087A41 harness required)
Wi-Fi (Mobile Controller)		Optional (BRP084C44 Internally mounted)
Countdown hourly On/Off Timer		✓

# What is ZERL?

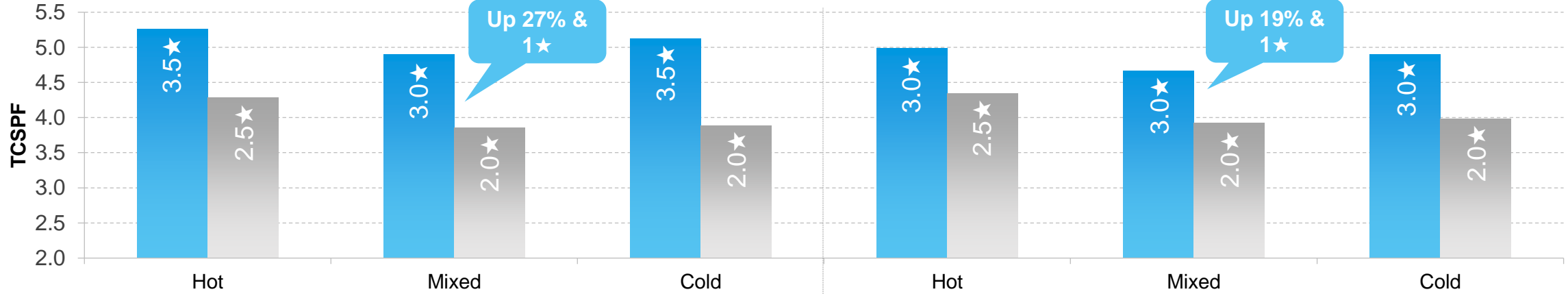
- In typical Australian climates, the AC will operate at part load capacity for most of the year, Seasonal Performance provides a more realistic view of AC energy efficiency than the current AEEER ratings which assume a set temp. & full load conditions all year round
- The Zoned Energy Rating Label (ZERL) displays the seasonal performance (Star Rating) for three distinct climate zones as well as capacity output & sound power levels



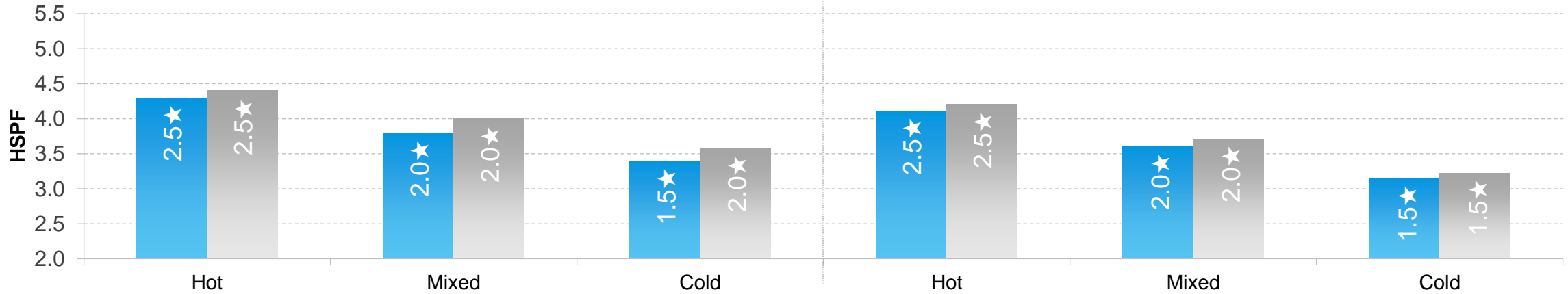
# Seasonal Energy Performance



## COOLING



## HEATING



**80/85 CLASS**

**90/95 CLASS**

# OPERATION





## FEATURES

- Contemporary look
- Backlit LCD Controller
- Large buttons, clearly labeled for ease of use
- Key functions on face of controller
- 0.5 °C increment temperature control
- Weekly Timer

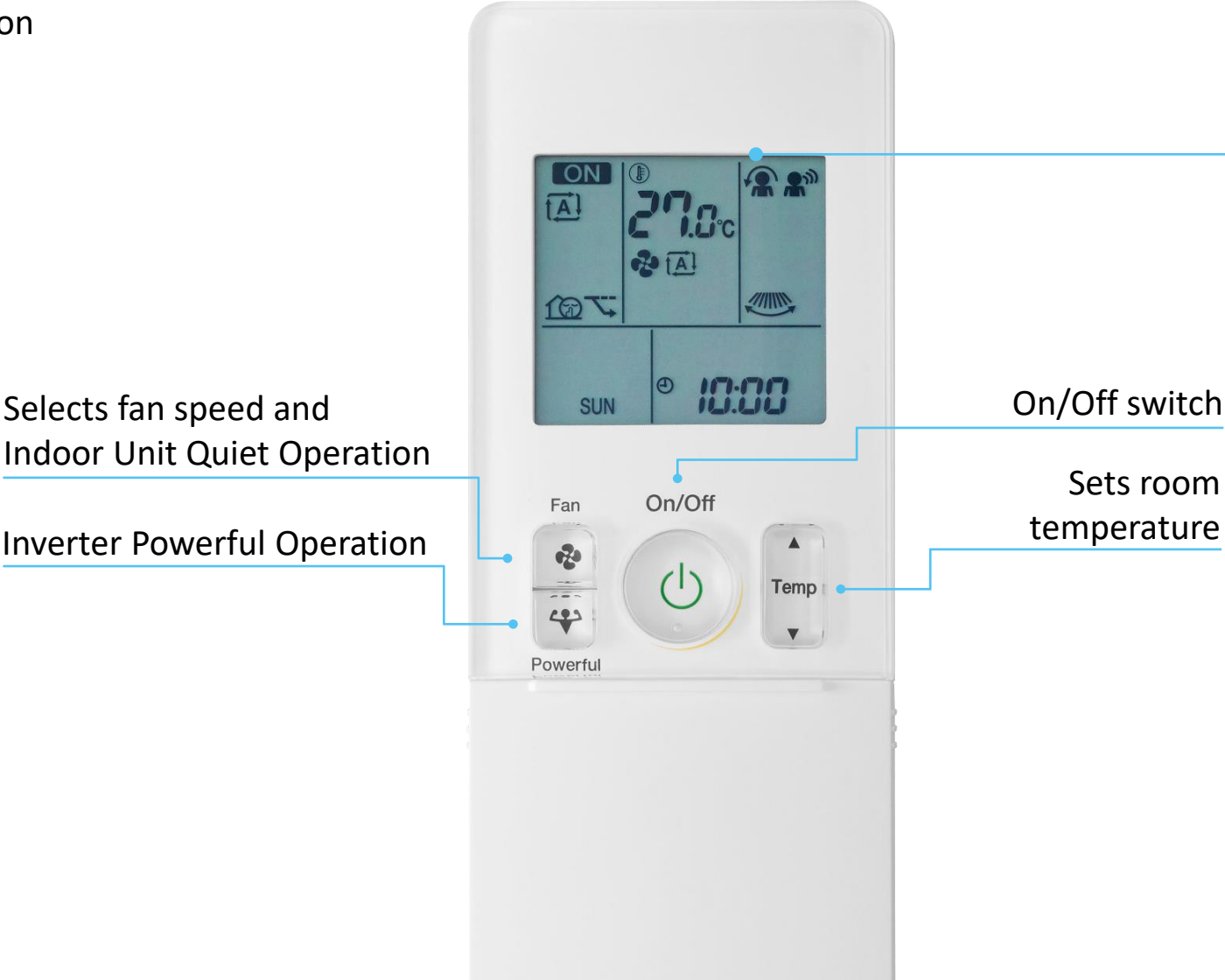


Elegant form harmonises with the interior



## CONTROLLER INTERFACE

- Key functions are easily accessible for quick configuration

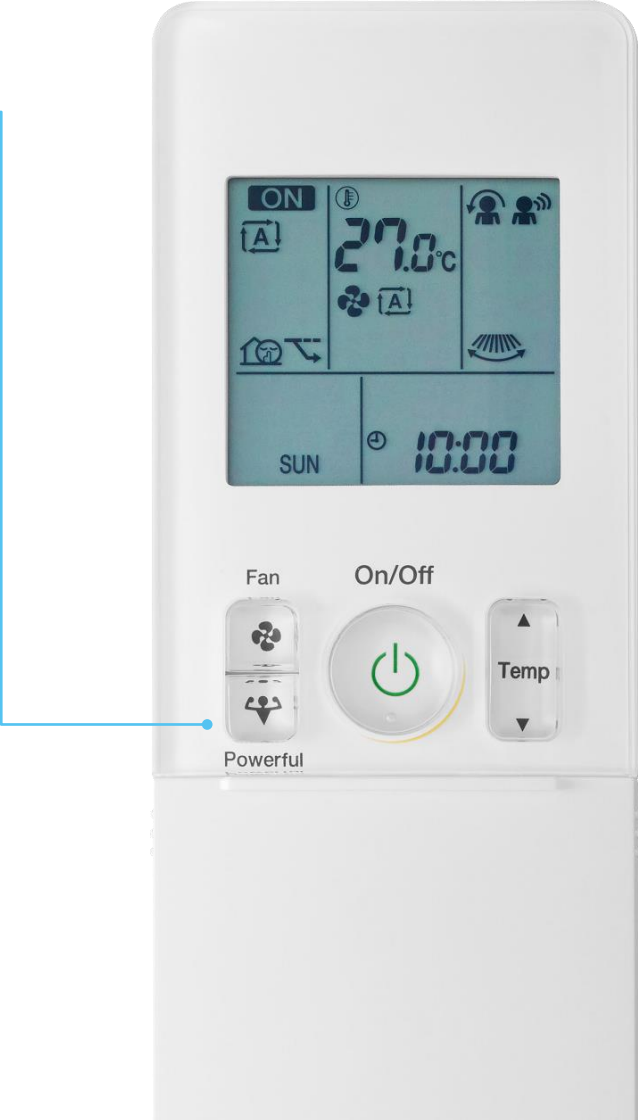


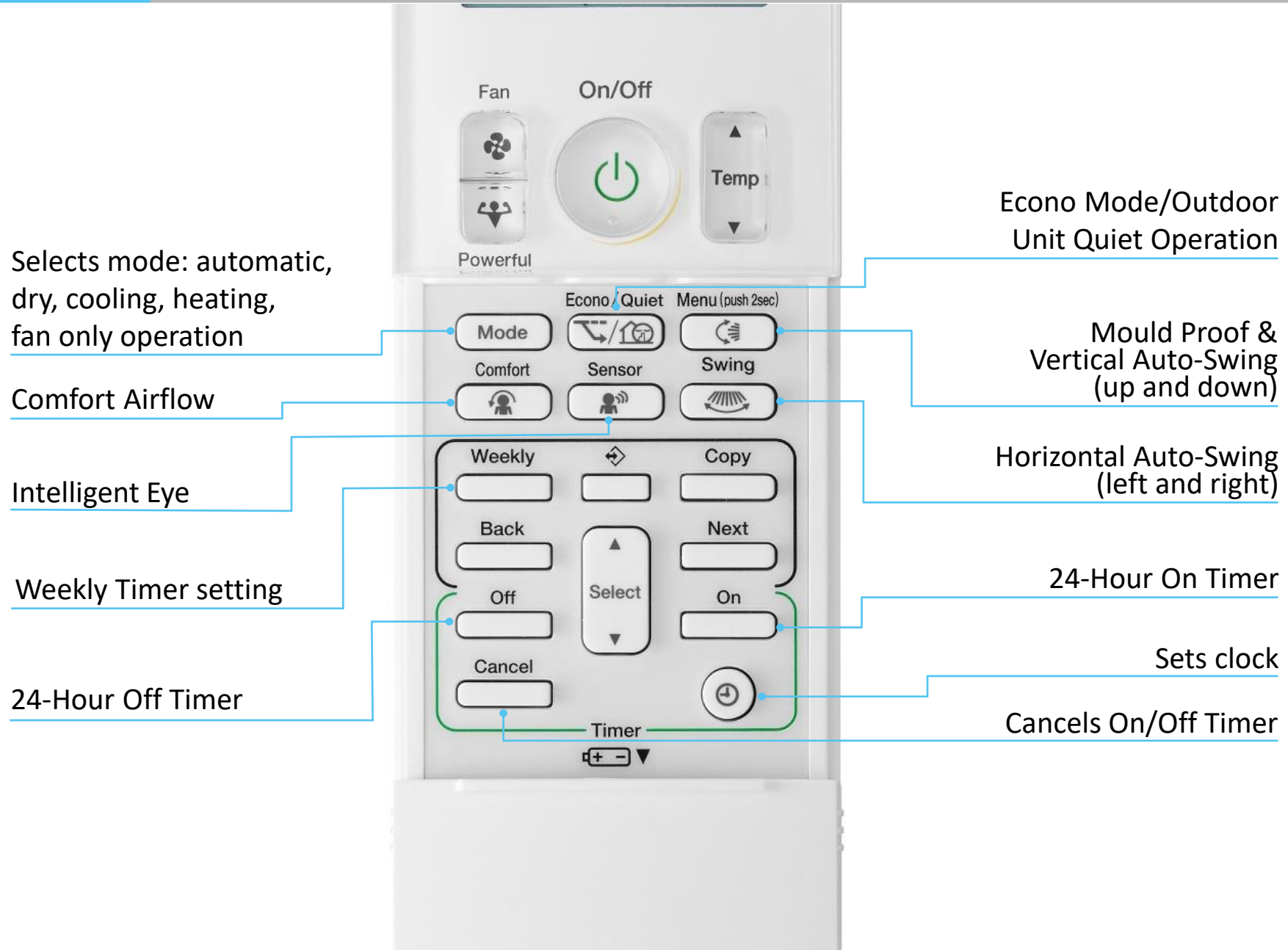
## INVERTER POWERFUL OPERATION

- Operates on all modes (Auto, Heat, Cool, Dry, Fan)
- Airflow is boosted beyond high fan speed for 20min before returning to its initial setting
- Target Setpoint temp. is also adjusted (see table)

Mode	Fan Speed	Target SP
COOL	H + 80rpm	18°C
DRY	Dry Speed + 80rpm	Initial SP – 2.5°C
HEAT	H + 80rpm	31°C
FAN	H + 80rpm	-

Note: In AUTO, Fan Speed & Target SP is as per COOL/HEAT



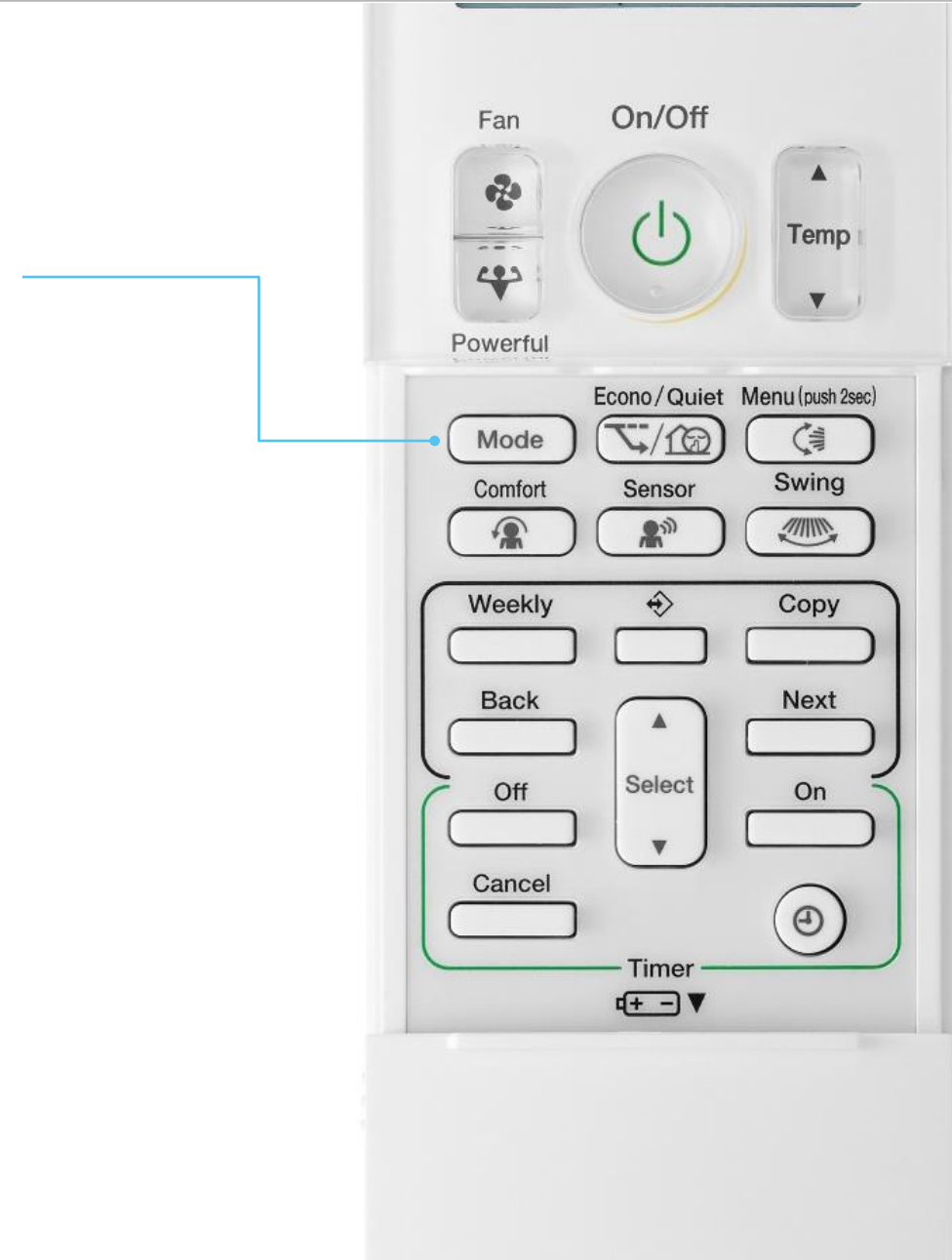
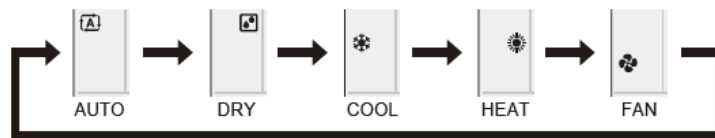


## MODE OPERATIONS

- Toggle mode button to switch between available modes

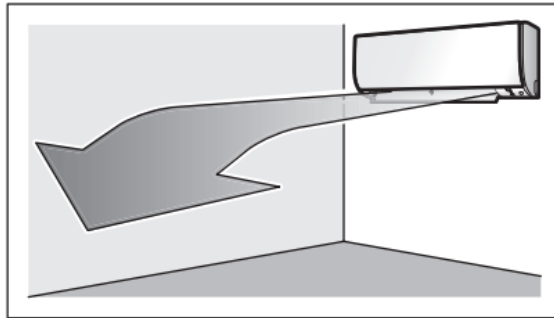
Modes	AUTO	DRY	COOL	HEAT	FAN
Icon					
Temperature Settings	18 – 30°C	N/A	18 – 32°C	10 – 30°C	N/A

## Button Press Cycle

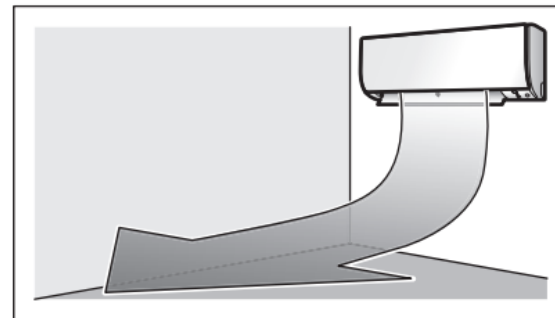


## COMFORT AIRFLOW OPERATION

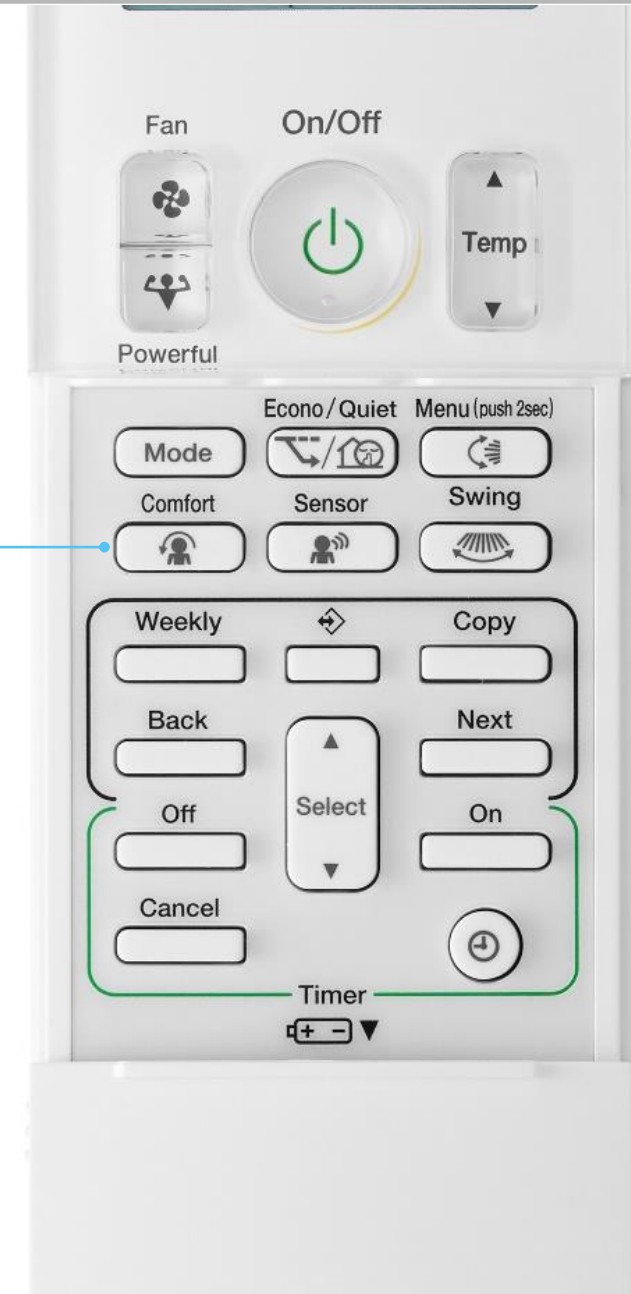
- Air is streamed upwards in cooling and downwards in heating
- Improves air distribution
- Provides a comfortable air distribution that is directed away from occupants for draught free comfort



COOL operation

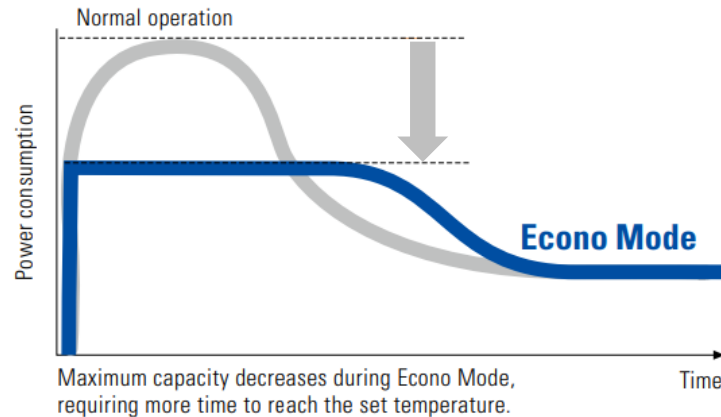


HEAT operation

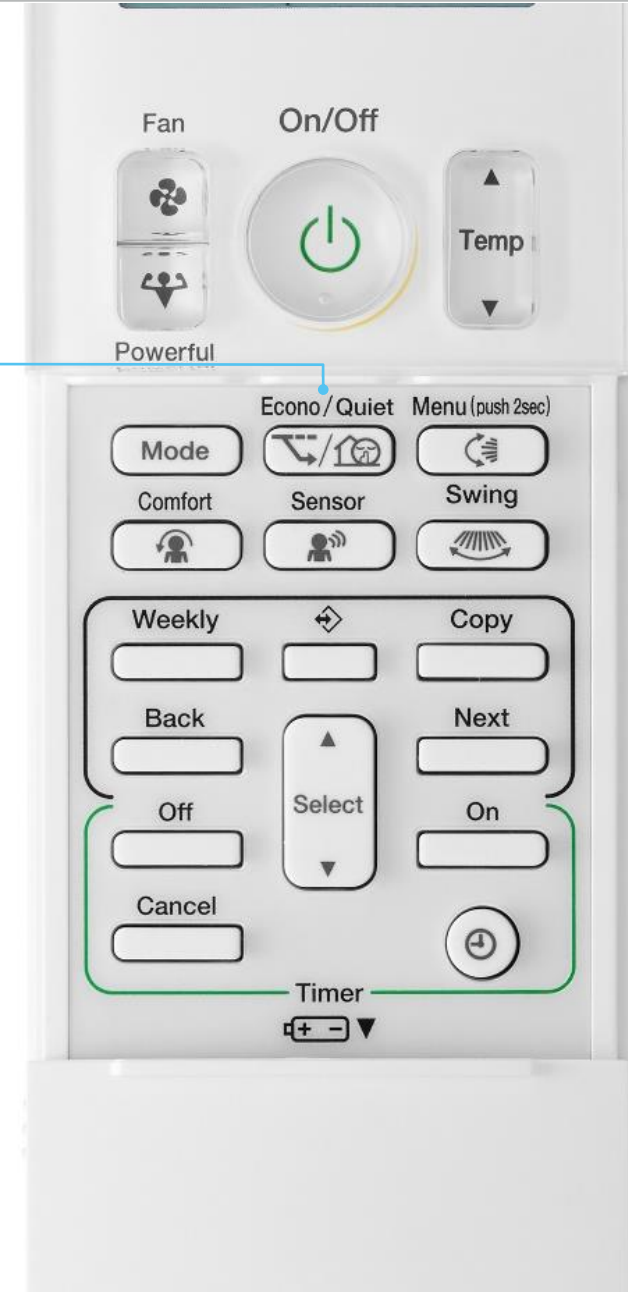
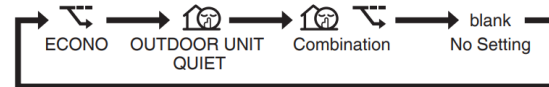


## ECONO MODE

- Prevents tripping of circuit breaker by limiting start up power consumption
- Useful when there are multiple household appliances in operation
- Not available during 'Inverter Powerful Operation'



## Button Press Cycle



## INDOOR QUIET MODE

- Sound pressure level can be reduced **by up to 4dBA** from Low Fan Speed depending on the model

### 80 Class Example (Cooling)

Fan speeds	dB(A)
H	51
M	46
L	40
SL	37

3dBA

### Button Press Cycle



## OUTDOOR QUIET MODE

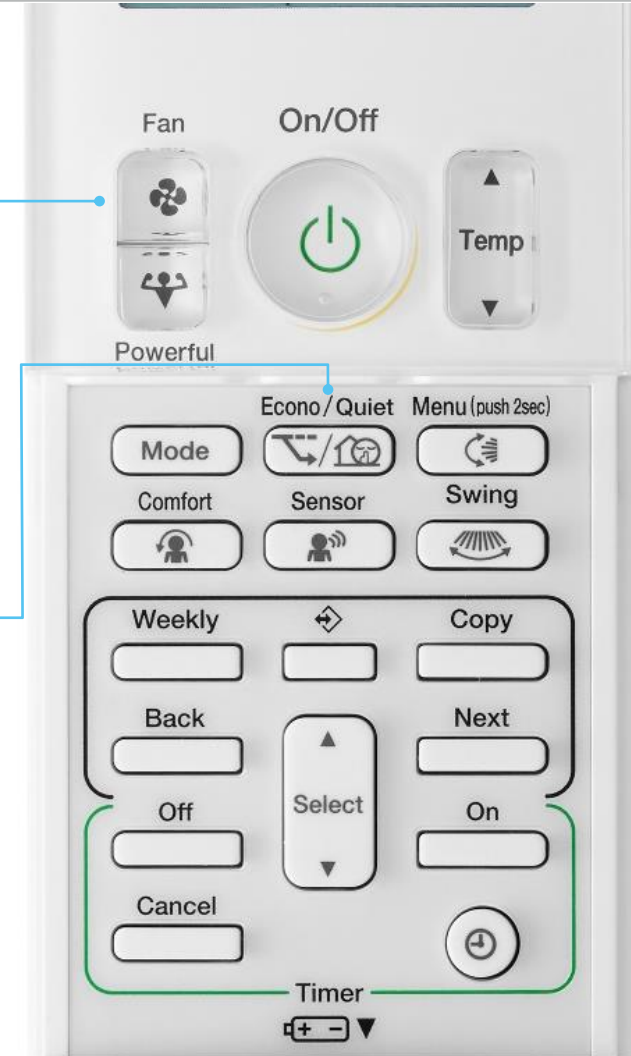
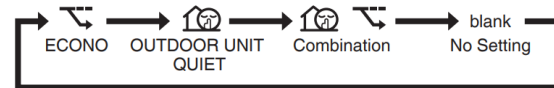
- Sound pressure level can be reduced **by up to 3dBA** from High Fan Speed depending on the model

### 85 Class Example (Cooling)

Fan speeds	dB(A)
H	54
SL	51

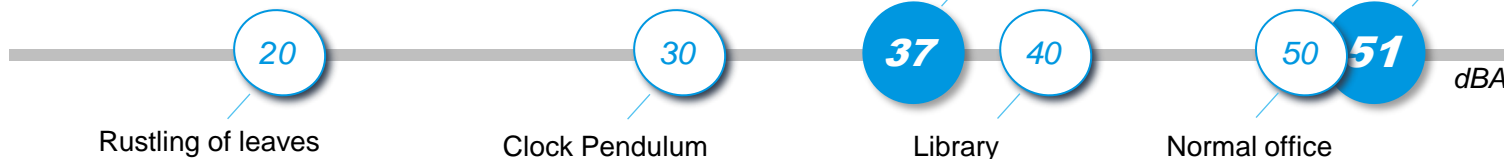
3dBA

### Button Press Cycle



Indoor unit

Outdoor unit

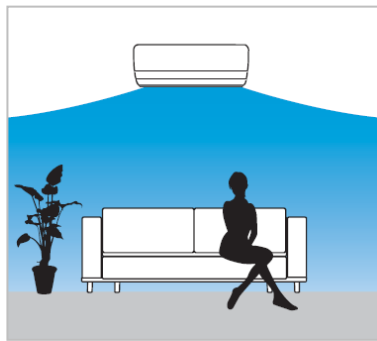




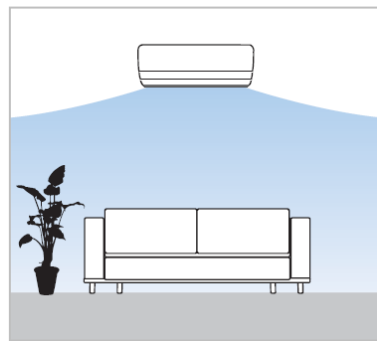
## INTELLIGENT EYE SENSOR

- Intelligent Eye operation is designed to
  - Automatically adjust to energy saving operations when no occupant is detected
  - Return to normal operation when occupant is detected
- Human presence sensing max parameters – vertical: 90°, horizontal: 110° & range: 7m

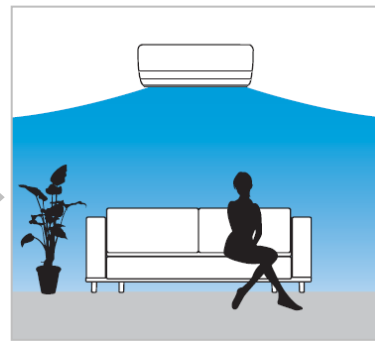
## Button Press Cycle



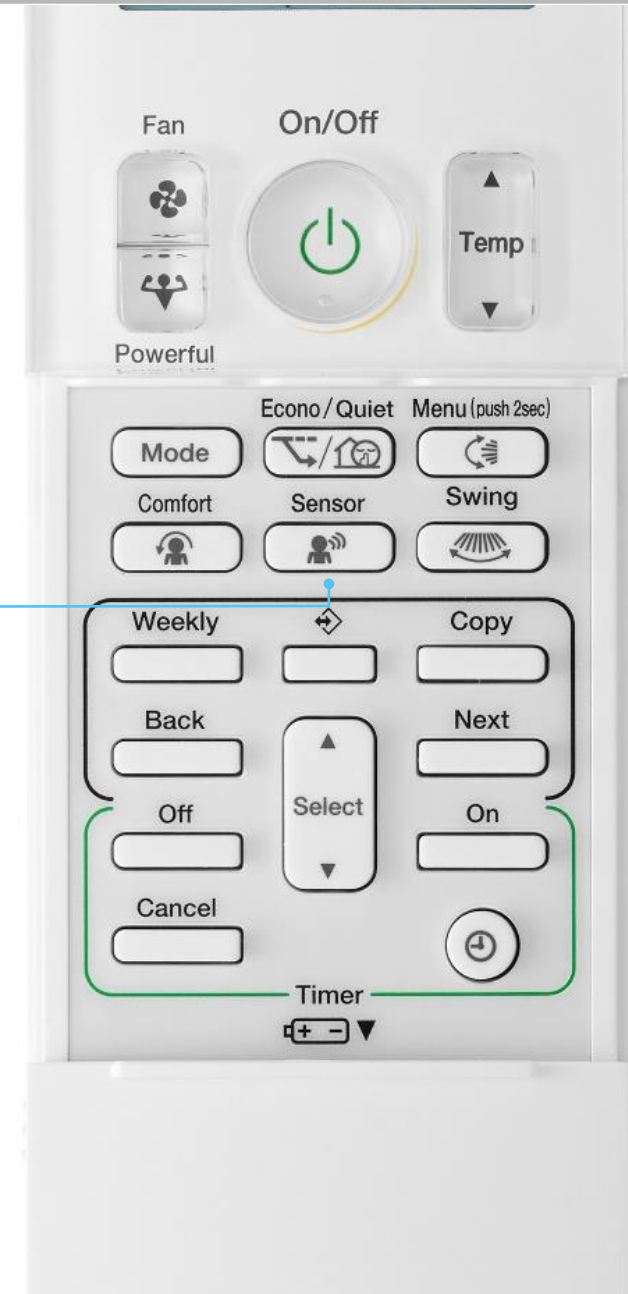
If occupants detected, the air conditioner maintains the set temperature.

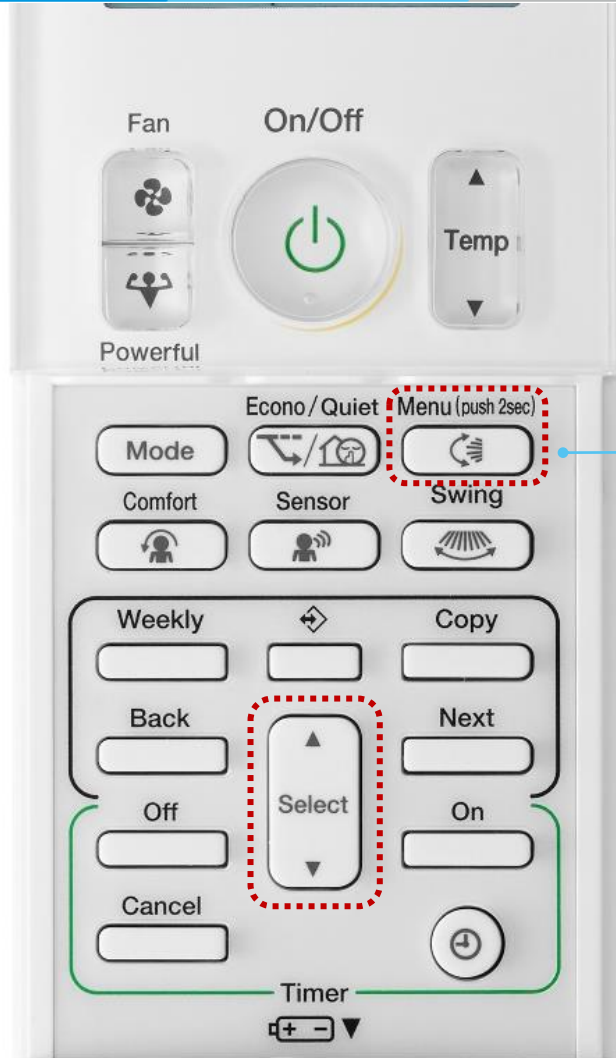


If no movement detected for 20 minutes, the unit will adjust the set temperature by  $\pm 2^{\circ}\text{C}$ .



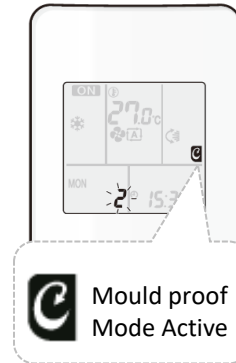
If occupants detected, the air conditioner returns to the original set temperature level.





## MOULD PROOF OPERATION

- Activates at the end of Cooling or Drying operation
- Dries the unit for 1 hour before powering off
- Drying of internal components prevents build-up of mould & odour



Hold **MENU** button for 2 seconds to enter Menu



Use **SELECT** button arrows to choose menu number 2, press **MENU** button to confirm

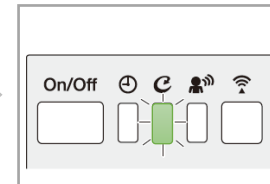


Use **SELECT** button arrows to select ON or OFF, press **MENU** button to confirm

### While Mould Proof Operation is Enabled



After DRY/COOL operation is stopped by Remote Controller\*



Mould Proof Operation activates, indicated by the LED status panel

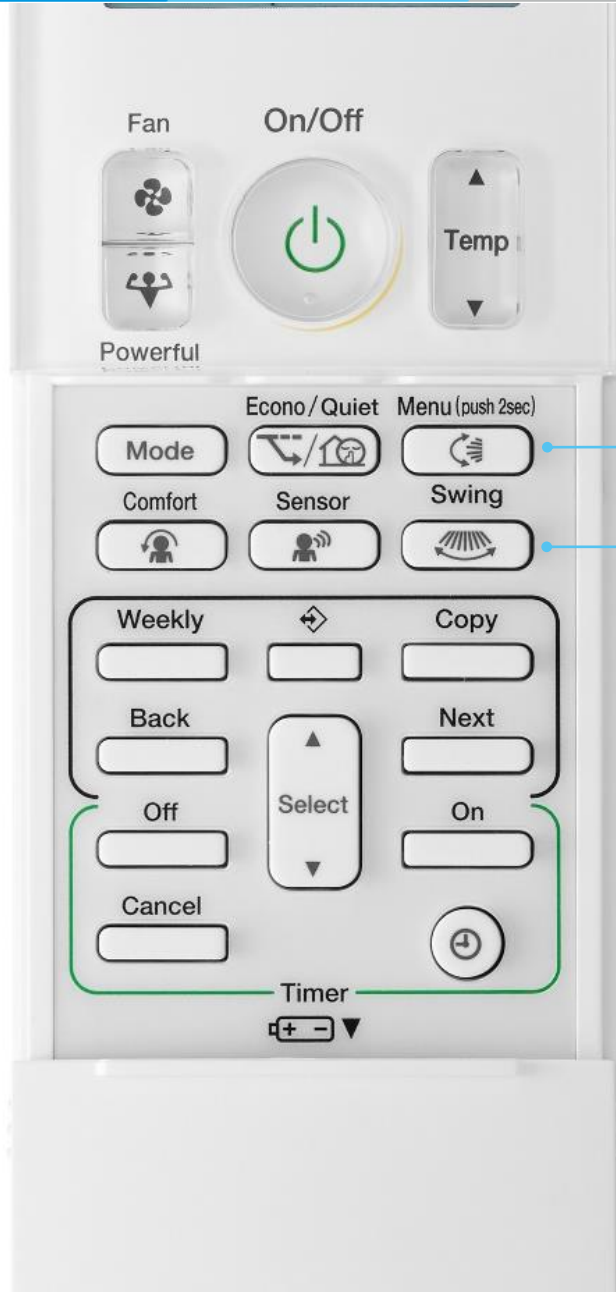


After 1 hour<sup>^</sup> the unit will power off Automatically

\*Mould Proof Operation does not activate when the unit is turned off using Mobile Controller App, OFF TIMER or when COOL/DRY operation is short

<sup>^</sup>To exit Mould Proof Operation early, double press On/Off button

Note: the flaps may sometimes close to increase the drying effect inside the air conditioner



## 3-D AIRFLOW

- Reduces indoor temperature fluctuation
- Improves air circulation
- More uniform temperatures in the space



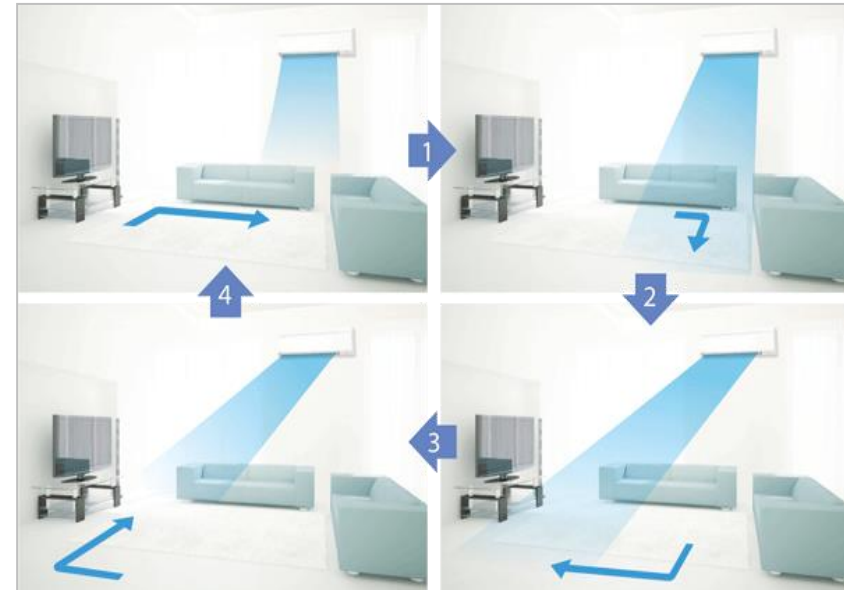
Toggle Horizontal Louvres

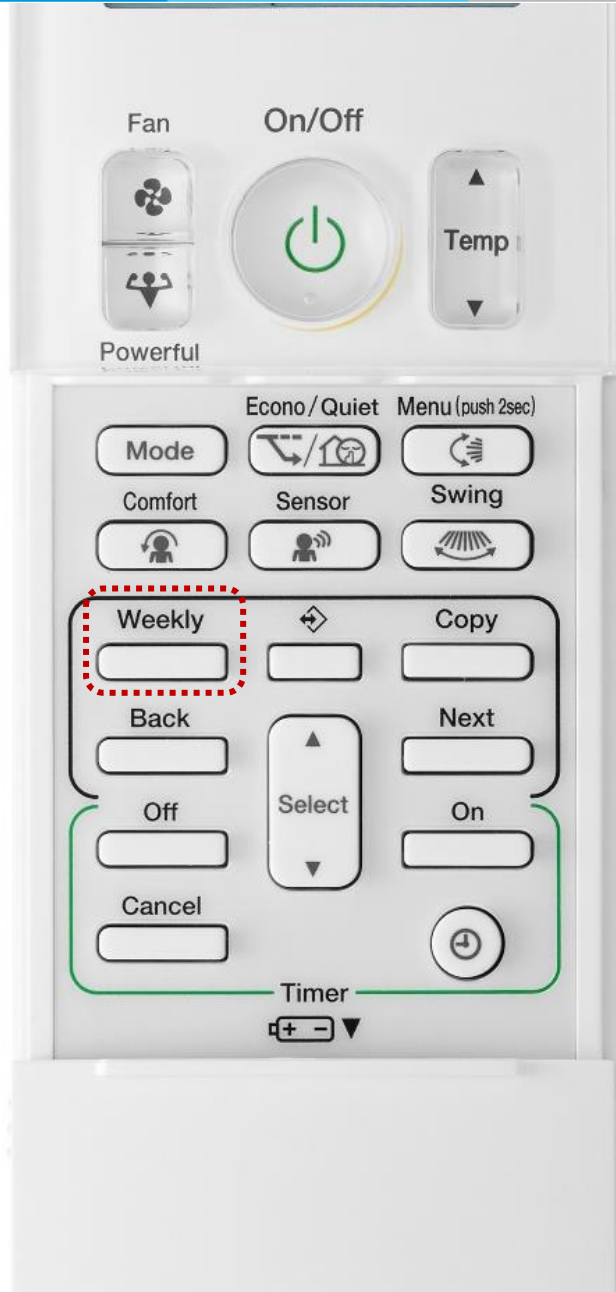


Toggle Vertical Louvres



Toggle for 3-D Airflow

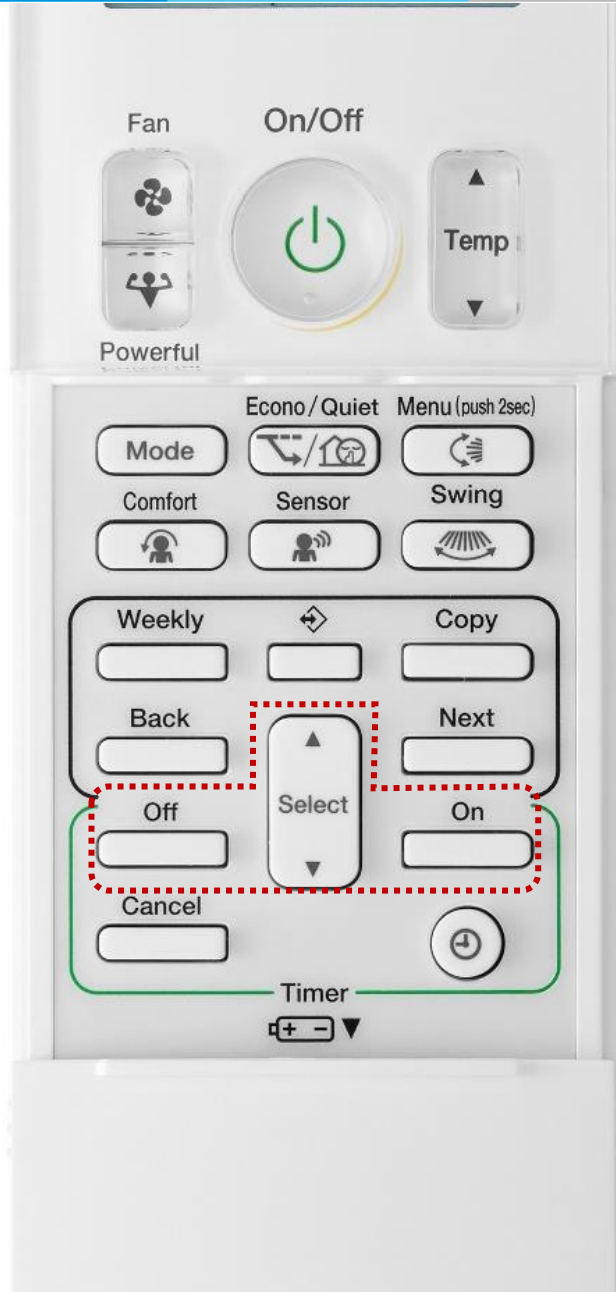




## WEEKLY TIMER

- Program precise ON/OFF times for the week
- Up to 4 timer settings can be set for each day of the week

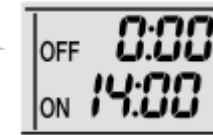
Day	Example Setting
Mon-Fri	<p>1 ON 2 OFF 3 ON 4 OFF 6:00 8:30 17:30 22:00 25°C 27°C</p>
Sat-Sun	<p>1 ON 2 OFF 3 OFF 4 ON 8:00 10:00 19:00 21:00 25°C 27°C 27°C</p>



## 24 HOUR ON/OFF TIMER

- Pre-Set ON/OFF times within a 24-hour period

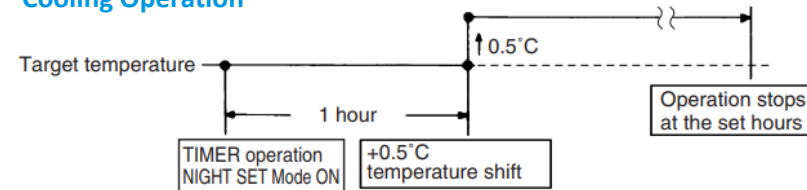
Example: turn OFF at 12pm & back ON at 2pm



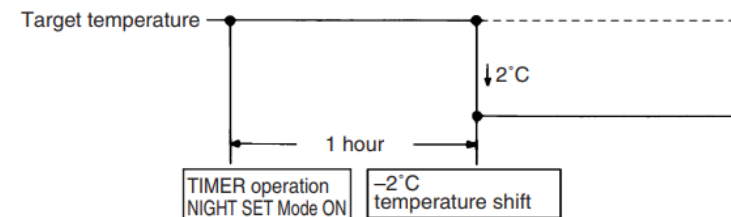
## NIGHT SET MODE

- Night Set Mode auto activates during OFF Timer
  - Prevents over-cooling/heating by shifting setpoint temperature after one hour until shutoff

### Cooling Operation



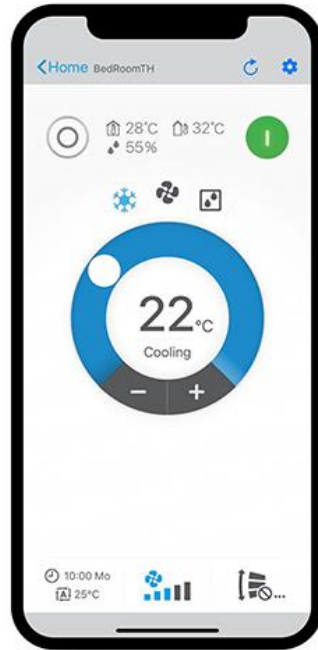
### Heating Operation



- **Optional WLAN module** (BRP084C44) allows the XL series to be conveniently operated through your smartphone or tablet via the 'Mobile Controller' app
- The module is designed for internal mounting
- Compatible with **Android (≥ 4.0.3) & iOS (≥ 7.0) devices^**



MOBILE  
CONTROLLER



Function	XL Series
Start/stop operation	✓
Set operation mode	✓
Set fan speed	✓
Set temperature operation	✓
Show room temperature	✓
Show outdoor temperature	✓
Error notification	✓
Password setting	✓
Set weekly schedule	
• Start/stop operation	✓
• Select operation mode	
• Set temperature	
Maximum 6 actions per day	

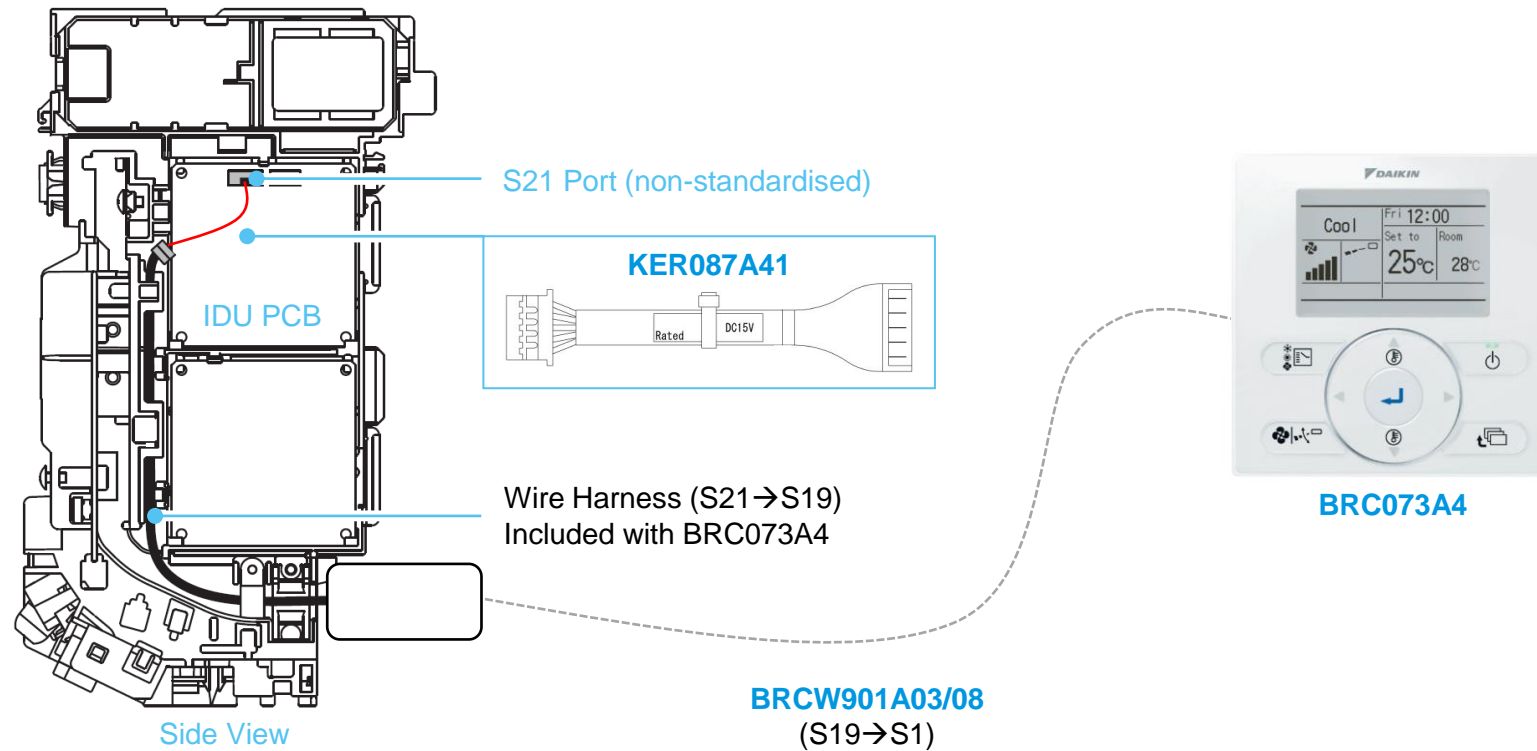
^Portrait orientation only

- 'Mobile Controller' app is compatible with Google Assistant & Amazon Alexa, operations of the Daikin AC unit can be done via their voice control hub (Google Home, Amazon Echo etc.) and from their respective companion Android/iOS app
- Daikin AC is now part of the Google & Amazon home automation ecosystem along side lights, garage doors, security systems etc. that can be controlled via their hub/app



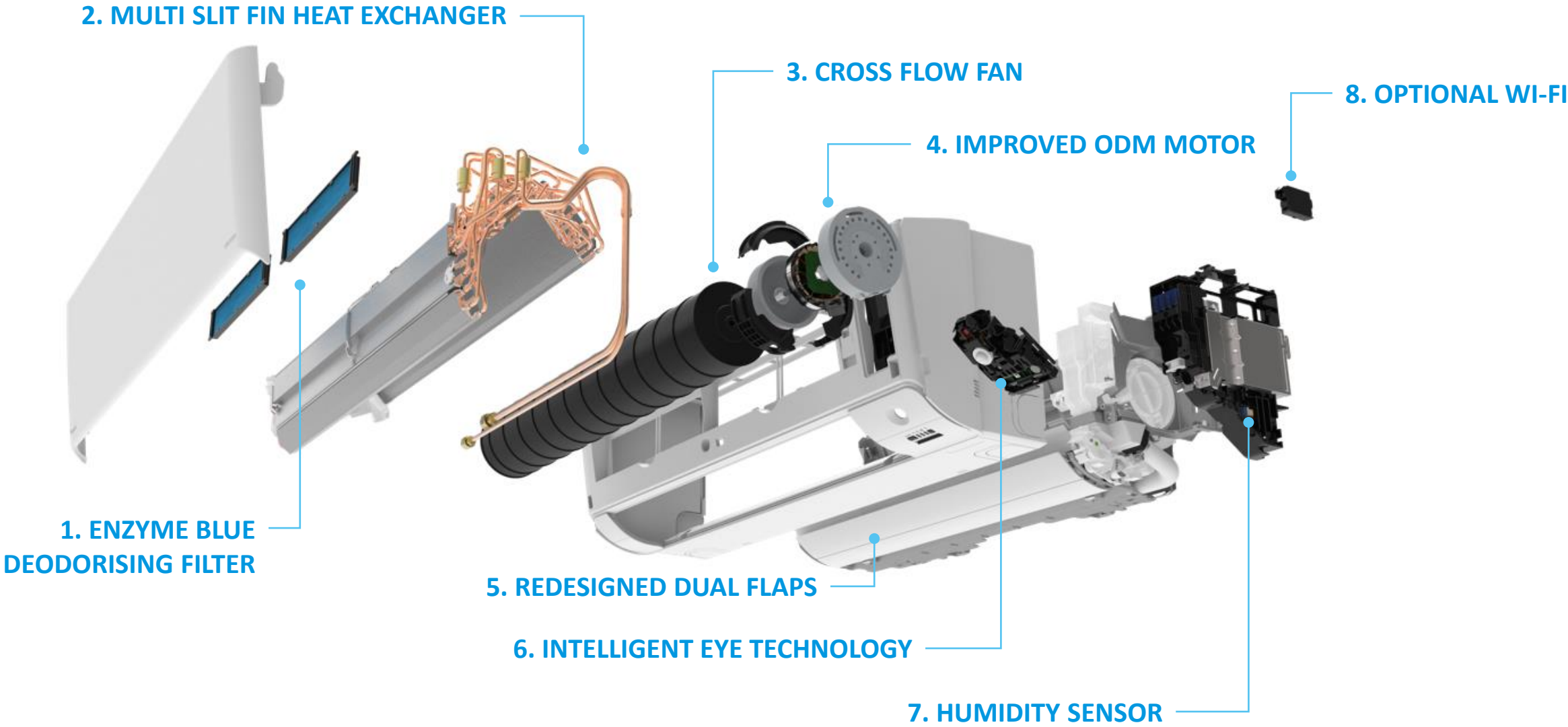
# Connecting to S21 Accessories

- The S21 port on the FTX(K)M-WVMA indoor unit PCB has a non standard terminal block
- A 'S21 Conversion Connector', **KER087A41** is required when connecting S21 accessories such as a wired controller (BRC073A4) with the remote controller harness (BRCW901A03/08)
- KER087A41 can be installed within the electrical box





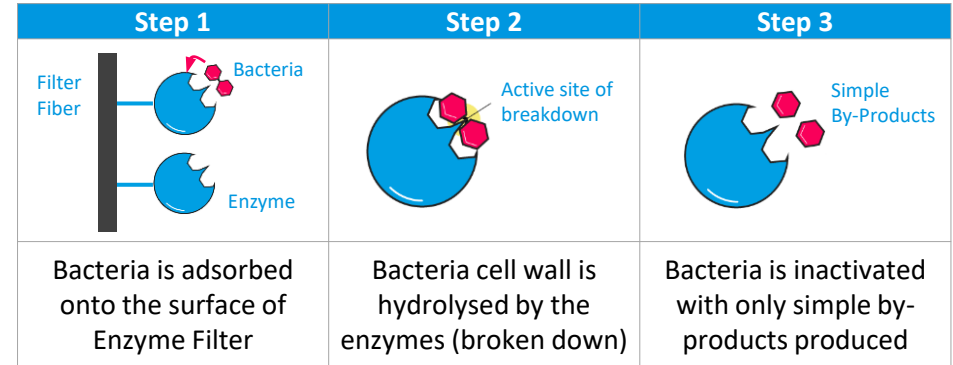
# FEATURES & TECHNOLOGY



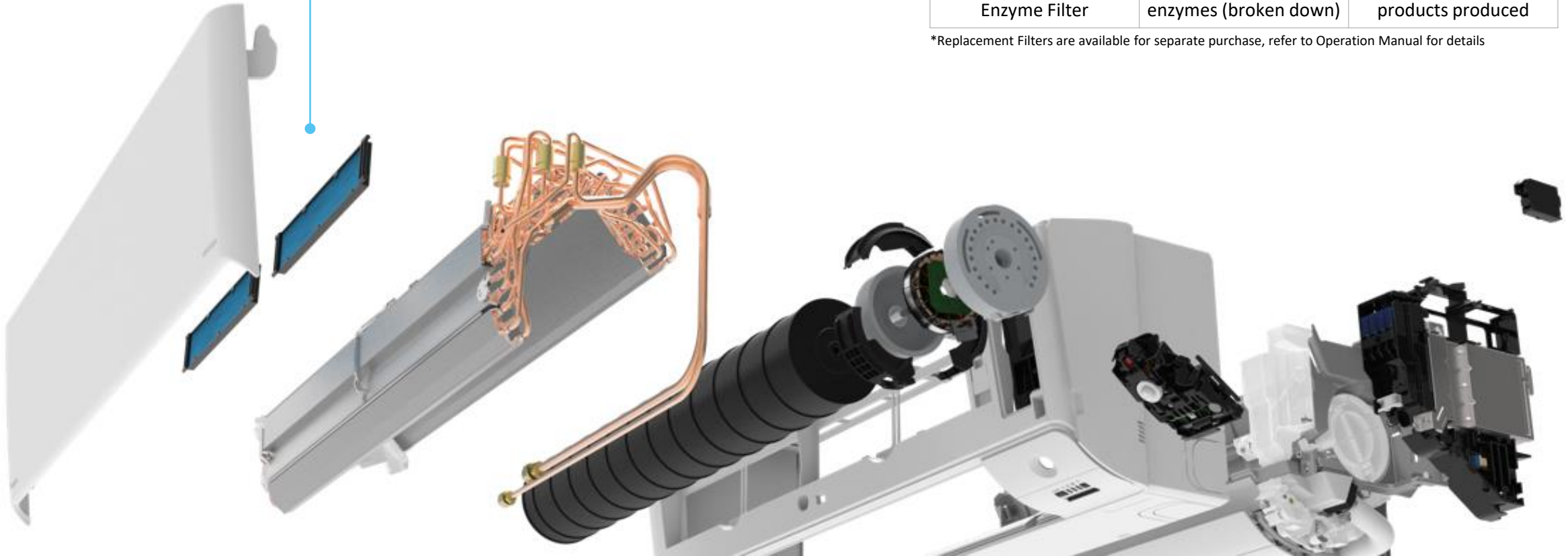
## 1. ENZYME BLUE DEODORISING FILTER

Features synthetic enzymes that decomposes odours & deactivates allergy causing bacteria

- Sensitive Choice approved
- All models features a 3-piece set\*



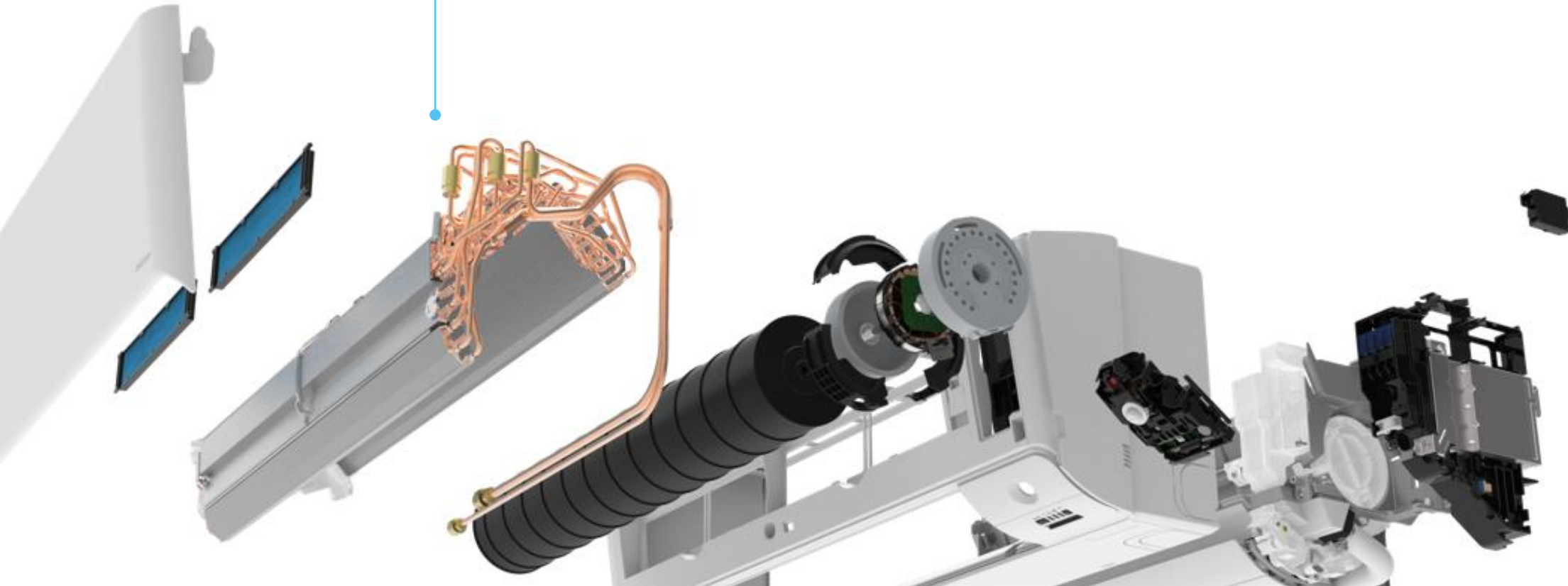
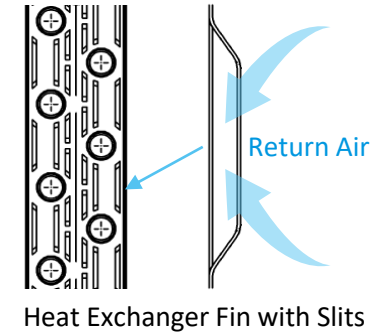
\*Replacement Filters are available for separate purchase, refer to Operation Manual for details

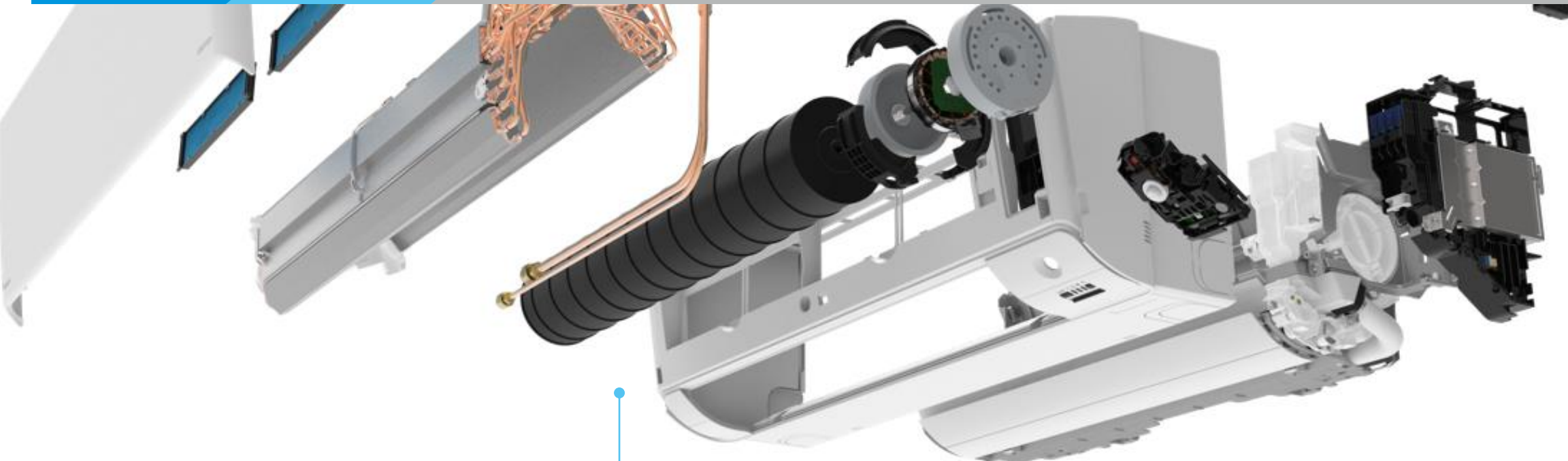


## 2. MULTI SLIT FIN HEAT EXCHANGER

3-row heat exchanger with multi slit fins

- Ø5mm copper pipes (2 rows x 18 stages & 1 row x 12 stages)
- Slits maximises surface area for greater heat exchange, COP & reduced airflow resistance
- Hydrophilic treated for corrosion resistance

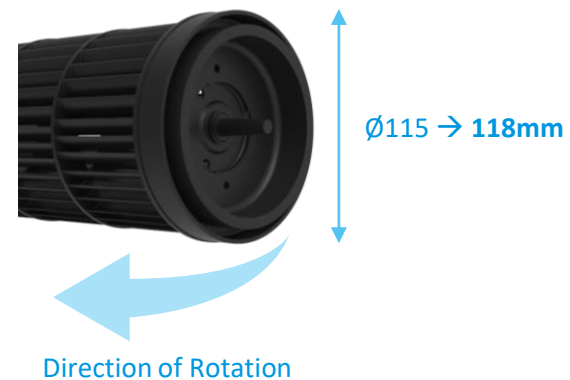




### 3. CROSS FLOW FAN

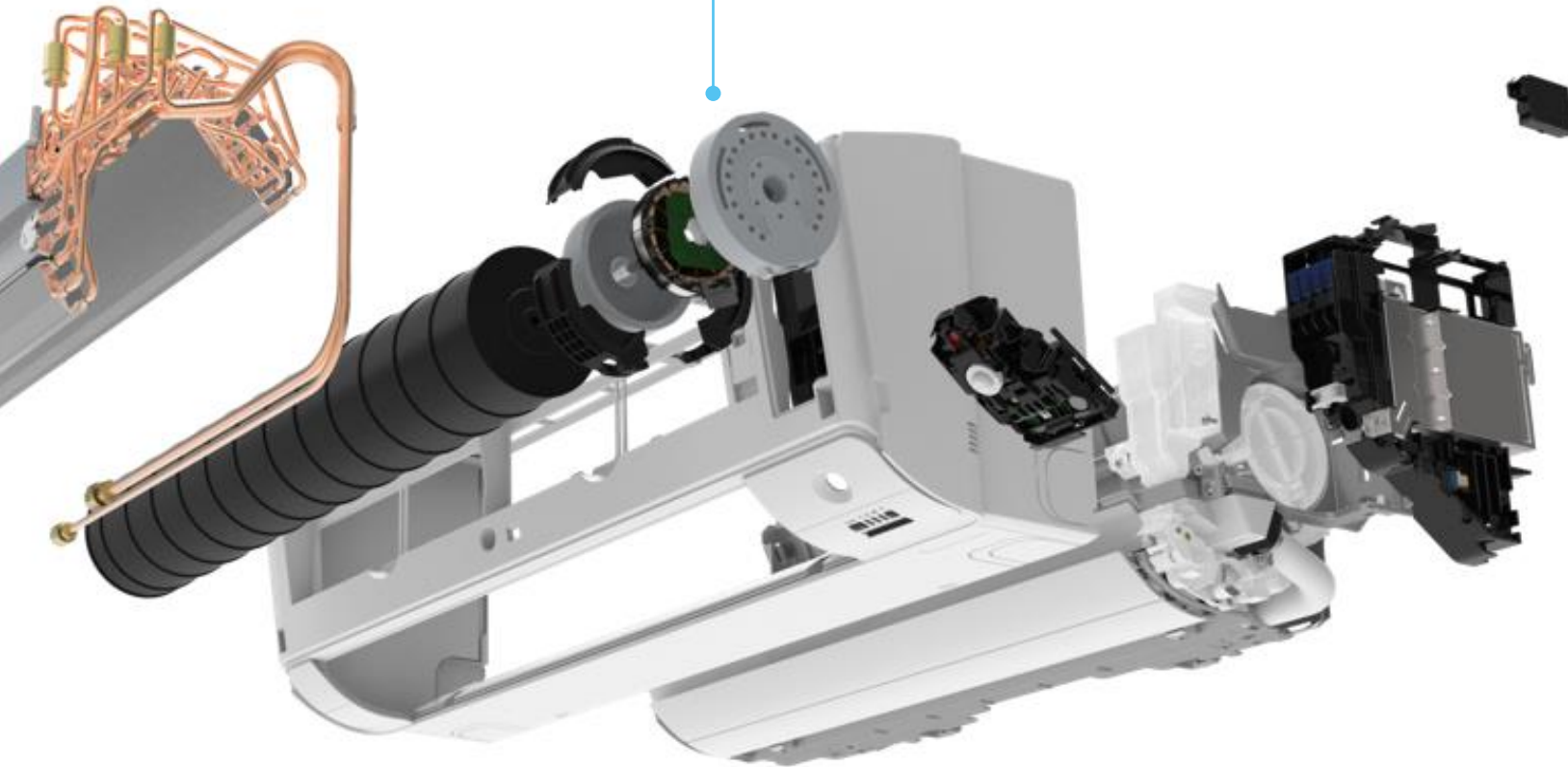
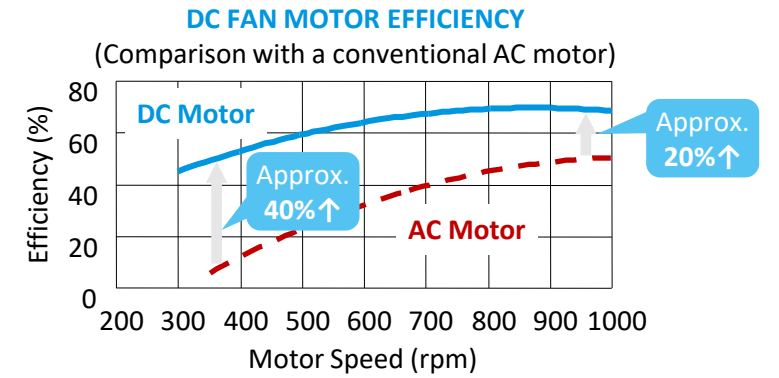
Large diameter rotor with aerofoil design

- Blade edges are optimised to reduce turbulence & minimise operating sound levels
- Large rotor allows for greater airflow delivery



## 4. IMPROVED ODM MOTOR

- 10 → 14 pole DC outer diameter rotor motor for improved torque delivery
- Encased with rubber vibration dampeners
- 5 Step Fan Speed, Quiet & Auto

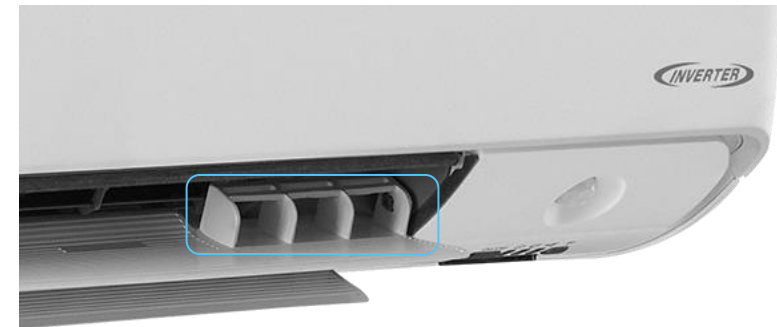
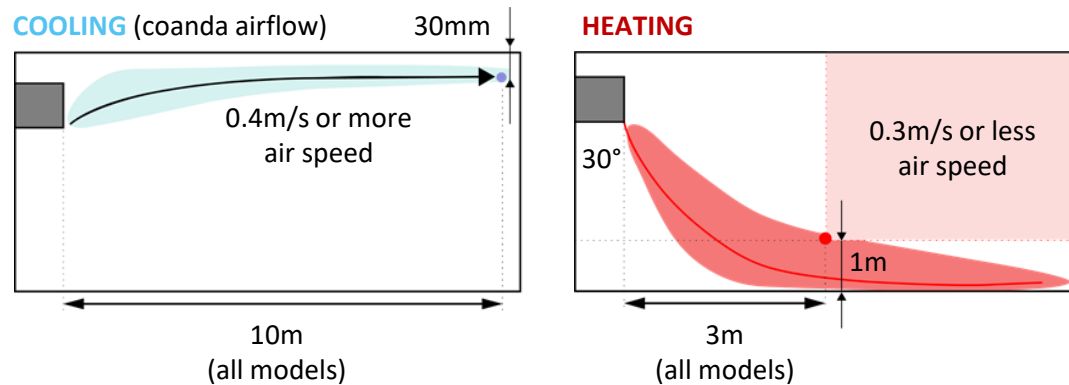




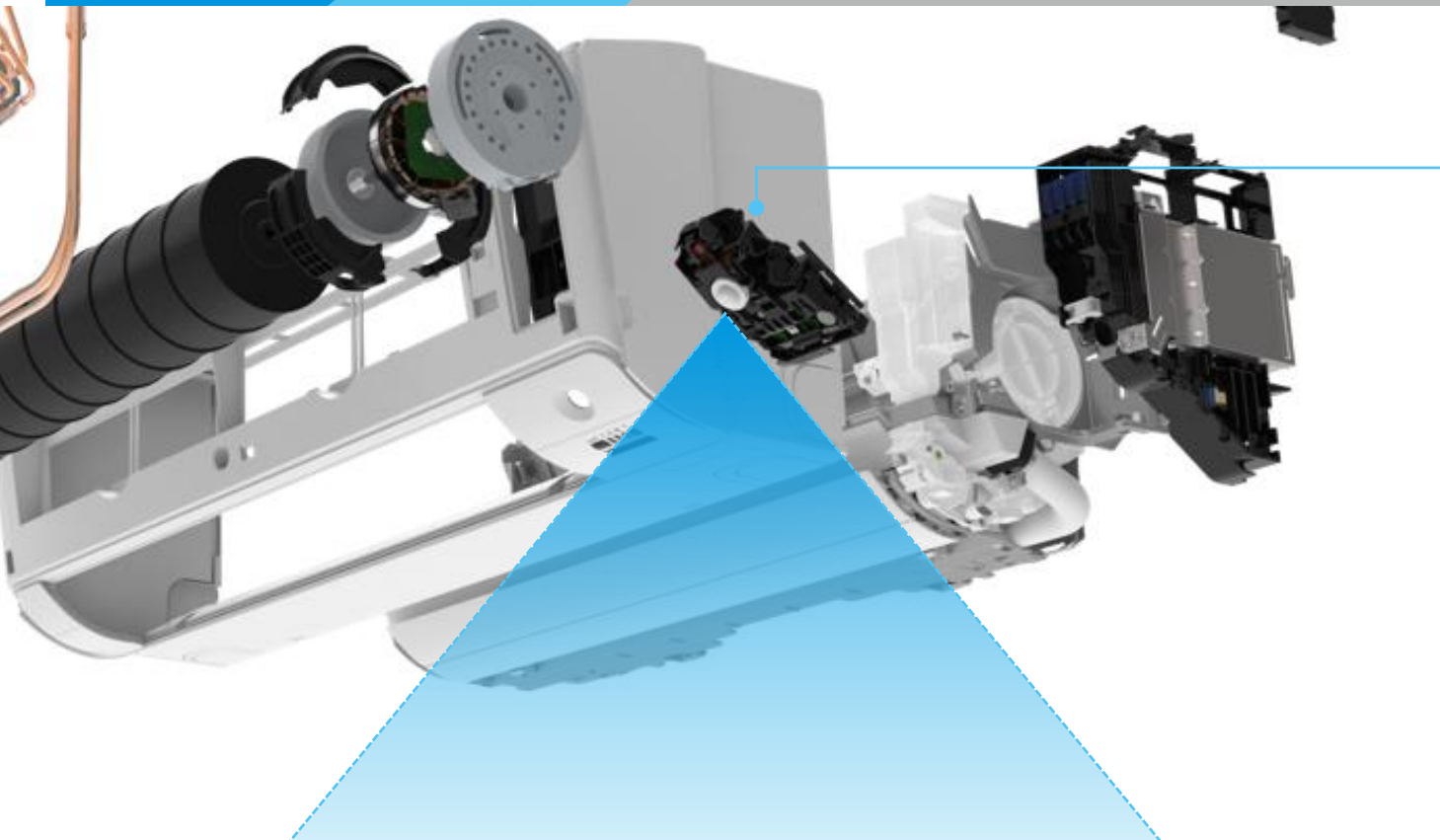
## 5. REDESIGNED DUAL FLAPS

All models feature new power-airflow dual flaps

- Redesigned main discharge louvre with aerodynamic end vanes
- Reduced turbulence & longer throw distances
- Enables large air volumes at low velocities for draught free comfort (Comfort Mode operation)

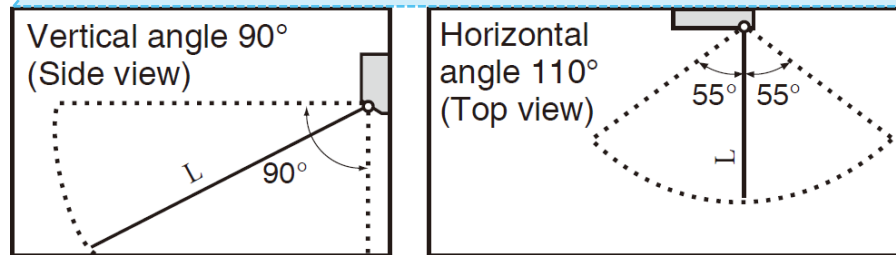


Aerodynamic End Vanes



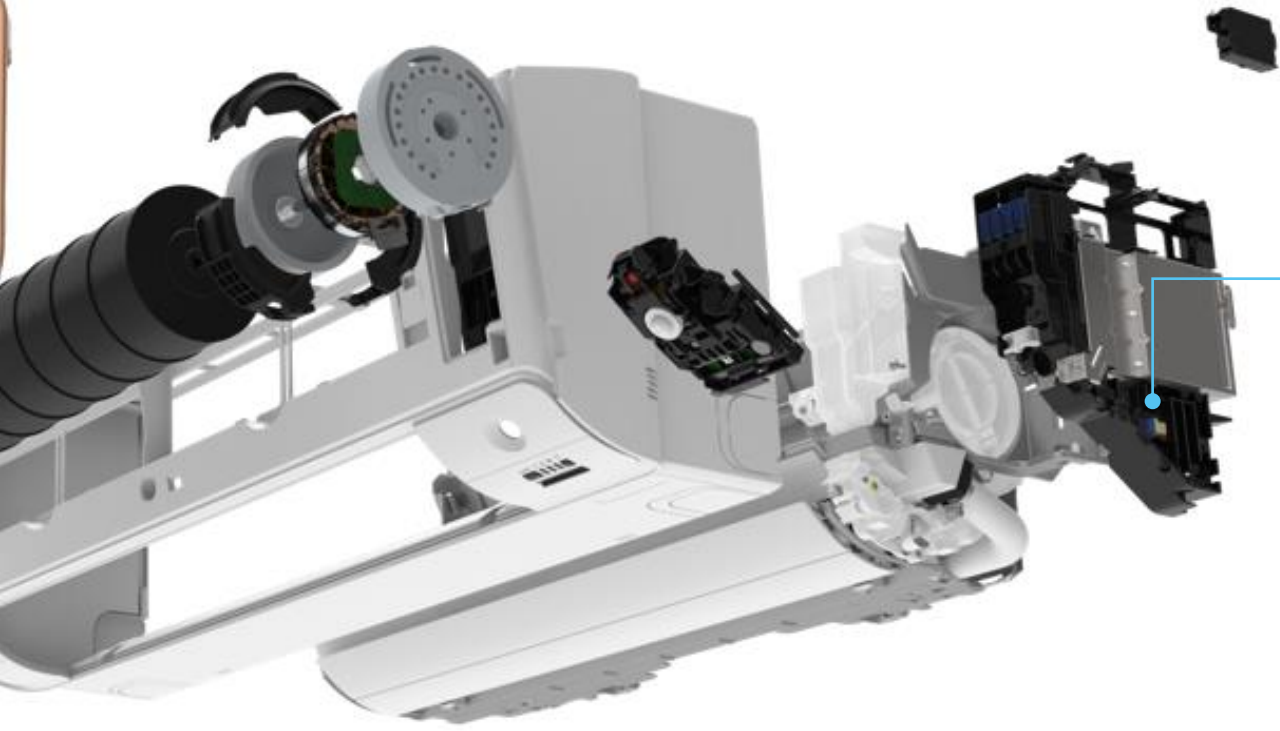
## 6. INTELLIGENT EYE

Enables energy saving operation by adjusting set temperature ( $\pm 2^{\circ}\text{C}$ ) when no occupants detected



L= 7m

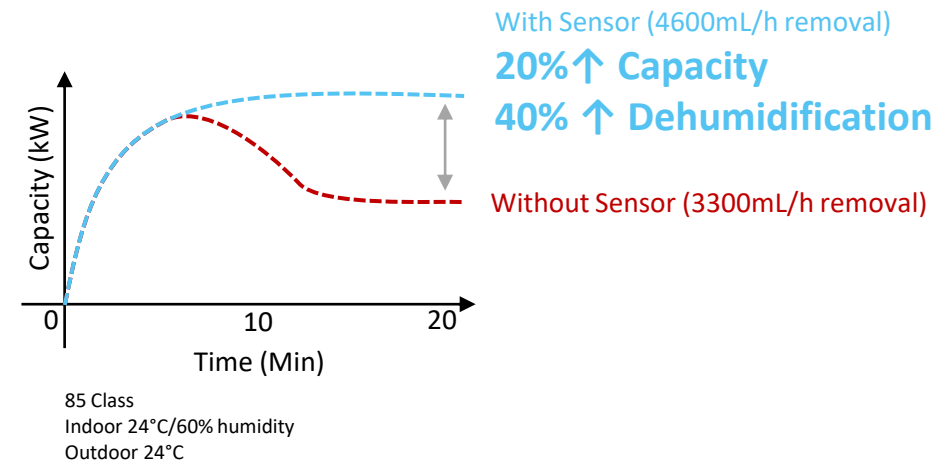


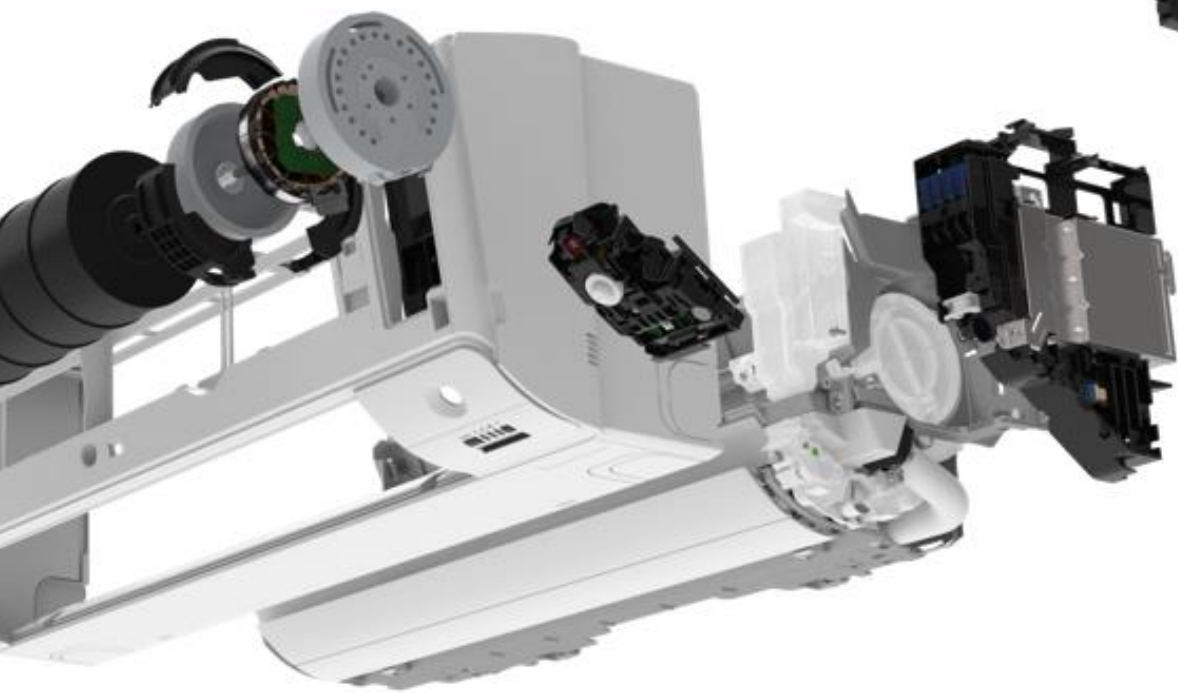


## 7. HUMIDITY SENSOR

Features a built-in humidity sensor for improved Program Dry Function operation.

1. Humidity is monitored
2. SA temp. can be accurately controlled to effectively remove moisture (dehumidify)
3. Capacity loss is minimised as much as possible





## 8. OPTIONAL WI-FI

BRP084C44 module provides Daikin Mobile Controller app compatibility.

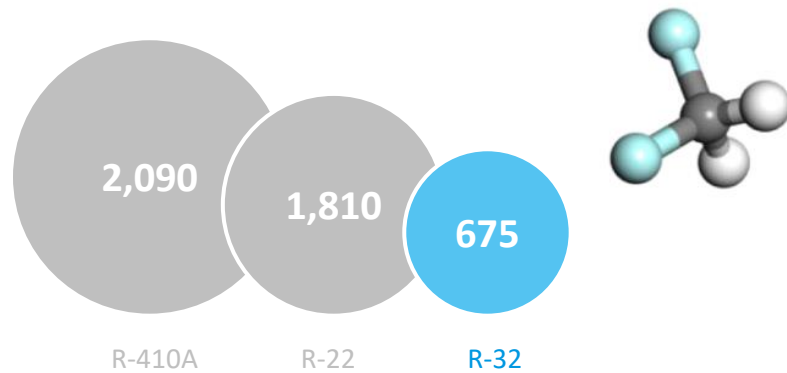
- Wi-Fi standard: IEEE802.11 b/g/n @ 2.4GHz only
- AP channel: 1-13
- Data transmission security (server): SHA-256



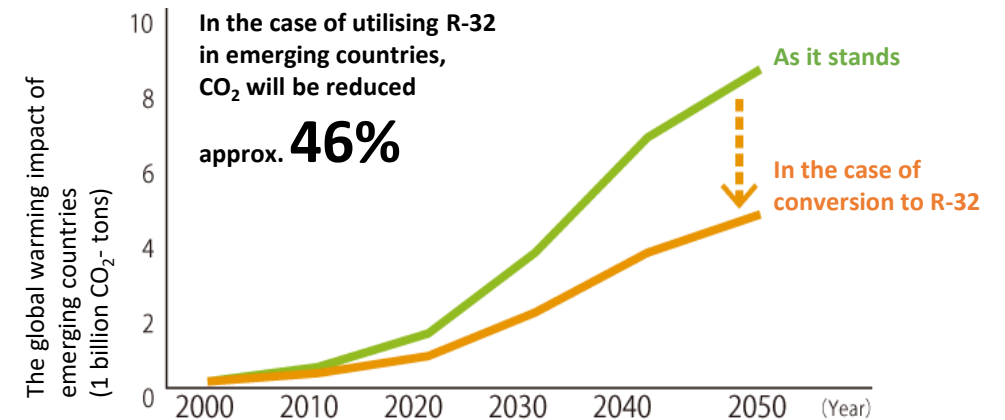
MOBILE  
CONTROLLER

**R32 refrigerant** has zero ozone depletion potential and substantially lower 'Global Warming Potential Factor' than R410A, providing less risk of harm to the environment

## GLOBAL WARMING POTENTIAL



## GWP IMPACT OF R32



Notes:

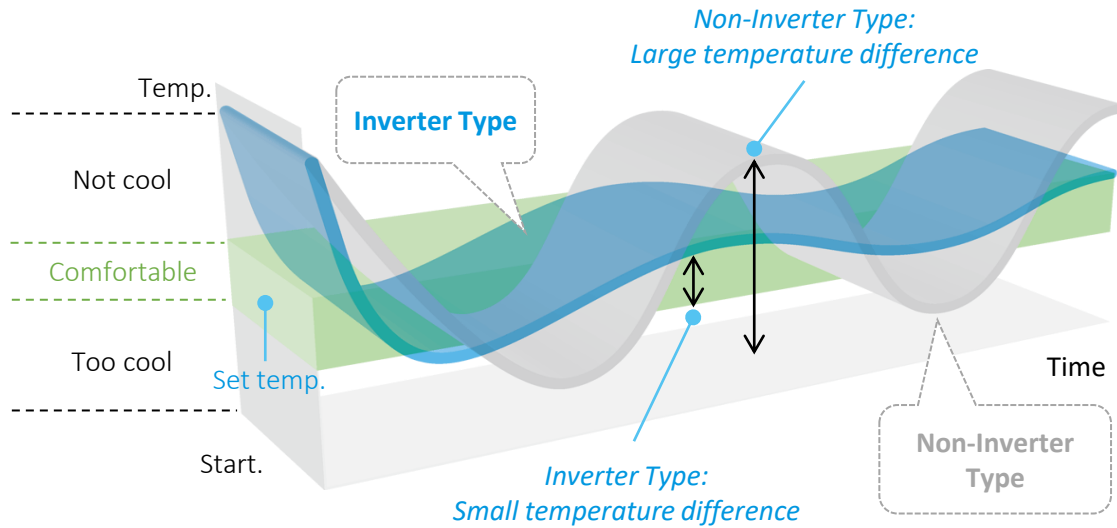
- Global Warming Potential (GWP) is a relative measure of how much heat a greenhouse gas traps in the atmosphere.
- Global Warming Potential values are based on the Fourth Assessment Report from the Intergovernmental Panel on Climate Change (IPCC).

Source information:

“The large contribution of projected HFC emissions to future climate forcing”  
Daikin estimated according to [Supporting Information of Guus J. M. Velders et al.]

## INVERTER CONTROL

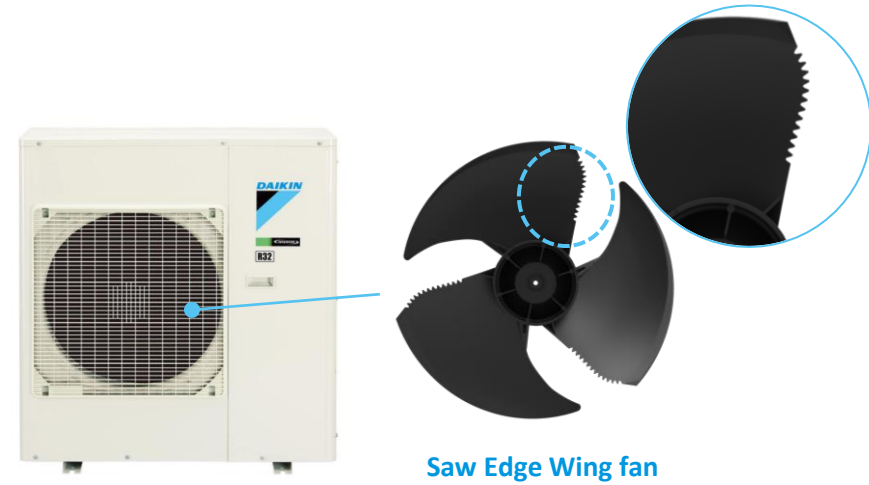
- Inverter control modulates the system capacity in response to load
- Delivers stable temperature whilst keeping power consumption down
- Non-inverter systems cause large temperature fluctuations through repeated switching (ON/OFF)



Time	Operation
Start Up	Inverter ramps up to deliver maximum capacity to achieve set temp. rapidly
Set Point	Inverter adjusts capacity output in response to outdoor temp. & indoor load

## SAW EDGE FAN

- Large diameter (510mm) with Saw Tooth trailing edge
- Turbulence is reduced, resulting in both energy savings and quieter operation

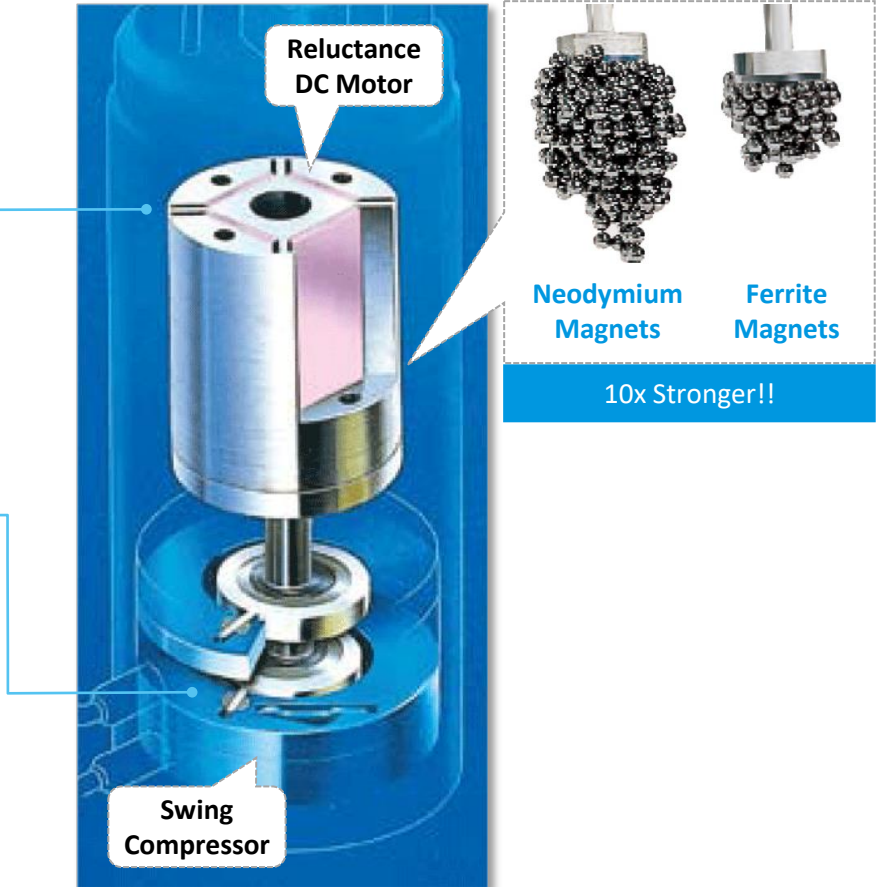


## RELUCTANCE DC COMPRESSOR MOTOR

- Higher efficiencies with 2 different torques
  - Magnetic torque of Neodymium magnet
  - Reluctance torque
- Lower energy consumption especially at lower operation frequencies

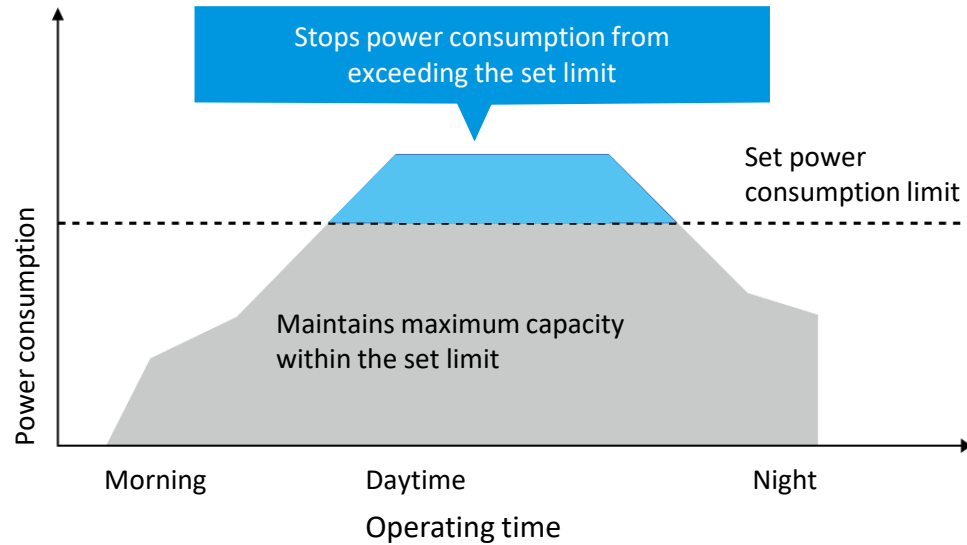
## SWING COMPRESSOR

- Large Energy Savings – smooth rotation with low friction & refrigerant gas compression
- Low Vibration & Noise – smooth piston motion works as if sliding along a 'groove'
- High Durability – fewer moving parts in contact during operation increases reliability

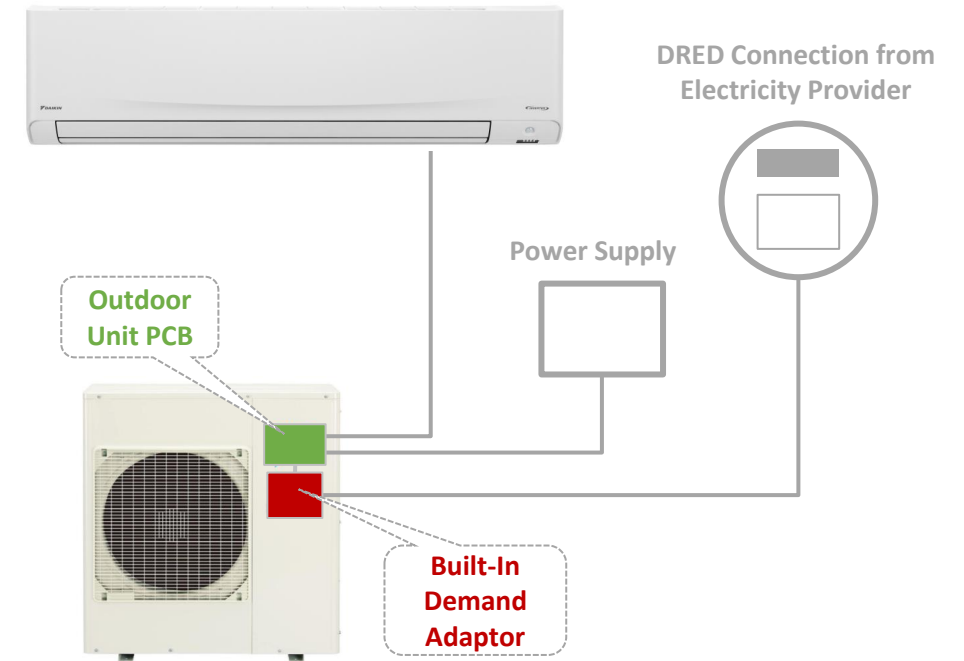


## DEMAND RESPONSE “DRED”

- DRED is an acronym for Demand Response Enabling Device
- Designed to enable Electricity providers to reduce peak demand when necessary
- XL models feature **Built-In** demand adaptors



Modes	Limit	Details
DRM1	0%	Compressor Off
DRM2	40%	Limited to 40%
DRM3	60%, 70%, 80%, 90%	Dip Switch Settings



# FEATURES CHECKLIST & SPECIFICATIONS

# Feature Overview



Category	Features	FTXV-WVMA
Comfortable Airflow	Power-Airflow Dual Flaps	✓
	Power-Airflow Flap	✗
	Wide-Angle Louvers	✓
	3-D Airflow (up/down & left/right)	✓
	Comfort Airflow Mode	✓
Comfort Control	Indoor Unit Quiet Operation	✓
	Outdoor Unit Quiet Operation	✓
	2-Area Intelligent Eye	✗
	Intelligent Eye	✓
	Hot-Start Function	✓
	Program Dry Function	✓
	Auto Fan Speed	✓
	0.5°C increment temperature control	✓
Lifestyle Convenience	Econo Mode	✓
	Inverter Powerful Operation	✓
	Wireless Remote Controller with Backlight	✓
	Wireless LAN Adaptor	Optional
	Indoor Unit On/Off Switch	✓
Health & Cleanliness	Streamer Technology	✗
	Enzyme Blue Deodorising Air-Purifying Filter	✓
	Mould Proof Operation	✓
	Optional Dust Collection Filter	✓
	Mould-Proof Air Filter (Pre-Filter)	✓
Timers	Count Up-Down On/Off Timer	✓
	24 Hour On/Off Timer	✓
	Weekly Timer	✓
	Night Set Mode	✓
Worry Free	Auto-Restart after Power Failure	✓
	Self-Diagnosis with Digital Display	✓



# Specifications



Indoor Unit		FTXV80WVMA	FTXV90WVMA
Outdoor Unit		RXV80WVMA	RXV90WVMA
Rated Capacity	Cool (kW)	8.0	9.0
	Heat (kW)	9.0	10.3
Capacity Range	Cool (kW)	2.0-10.5	2.0-11.2
	Heat (kW)	1.9-11.6	1.9-12.0
Indoor Airflow Rate (H)	Cool (l/s)	410	440
	Heat (l/s)	403	425
Indoor Fan Speeds		5 steps, quiet and automatic	
Star Rating (Hot/Avg/Cold)	Cool	3.5/3.0/3.5	3.0/3.0/3.0
ZERL (Residential)	Heat	2.5/2.0/1.5	2.5/2.0/1.5
Front Panel Colour		Ivory White	
Power Supply		1 phase, 220-240V, 50Hz	
Power Input (Rated)	Cool (kW)	2.17	2.65
	Heat (kW)	2.75	3.15
E.E.R/C.O.P	Cool/Heat	3.69/3.27	3.40/3.27
TCSPF (Residential)	Hot/Avg/Cold	5.26/4.90/5.12	4.99/4.66/4.90
HSPF (Residential)	Hot/Avg/Cold	4.29/3.79/3.40	4.10/3.61/3.15
A.E.E.R/A.C.O.P	Cool/Heat	3.66/3.25	3.38/3.25
Dimensions (HxWxD)	Indoor (mm)	329x1240x278	
	Outdoor (mm)	990x940x320	
Weight	Indoor (kg)	19	19
	Outdoor (kg)	77	77
Compressor Type		Hermetically Sealed Swing Type	
Refrigerant Type		R32	
Max Pipe Length	(m)	30	30
Max Level Difference	(m)	20	20
Pipe Sizes	Liquid (mm)	6.4	6.4
	Gas (mm)	15.9	15.9
Outdoor Operating Range	Cool (°CDB)	-10 to 46	
	Heat (°CWB)	-15 to 18	
Indoor Sound Level (H/SL)	Cool (dBA)	51/37	53/38
	Heat (dBA)	51/35	52/35
Outdoor Sound Level (H/SL)	Cool (dBA)	54/51	54/51
	Heat (dBA)	55/51	55/51
Outdoor EPA Sound Power Level (H)	Cool (dBA)	66	66
	Heat (dBA)	67	67

**THANK YOU.**

**Any questions?**