DAIKIN

SkyAir

Floor Standing

FVRN, FVQN Series

Dealer

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●Specifications, designs and other content appearing in this brochure are current as of November 2014 but subject to change without notice

COOLING ONLY [50Hz]

HEAT PUMP [50Hz]

R-410A

Floor Standing

Space saving with style and functionality.

An ideal way of space saving with style and functionality, with it's ease of installation, it is suited to be installed in offices, commercial shops, restaurants, showrooms and mosques.

Highlights

- Sleek, stylish and modern to blend into any environment
- High gloss finishing for easy cleaning
- Slim profile
- Stylish black control panel with white LED light for crisp clear display

Features

- Capacity range from 8.2kW to 16.1kW
- Wireless controller BRC52A61 (heatpump) or BRC52A62 (cooling only) is supplied as standard
- Utilize common outdoor- keep one outdoor stock for use with other light commercial models such as ceiling cassettes, ceiling exposed and ceiling concealed models
- Large buttons on control panel for ease of use
- Error code display on the seven-segment of the control panel by blinking
- Keylock for prevention of setting change by unauthorized personnel
- Space in the unit below the fan able to accommodate drain pump, depending on drain pump size (drain pump is optional, separately purchased and field installed)

Features

- Left and right auto swing to cool the corners of the room

Auto horizontal swing | Manual setting of vertical airflow louvers
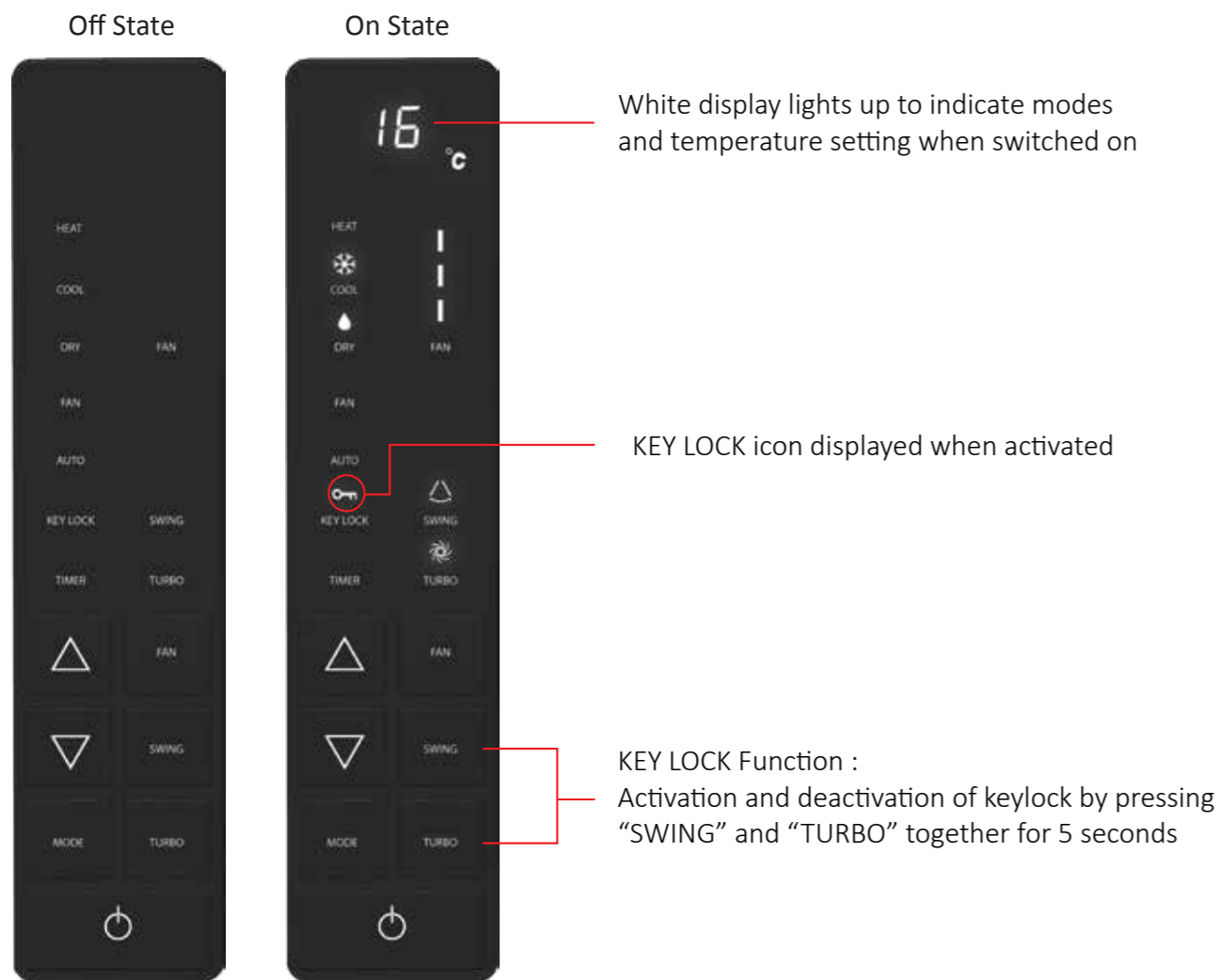
- Turbo activation in Cool and Heat modes
- Auto random restart with last state memory
- Timer setting from wireless controller
- Removable washable saranet filter
- Cache at intake grille for safety during filter removal
- Self diagnosis for faults detection and indication

Features

The floor standing unit can be controlled by using two methods,
i) settings by pressing the control panel on the unit
ii) settings by using the wireless controller (wireless controller comes as standard)

Floor standing control panel

A stylish black control panel with white LED light for crisp clear display.

Off State   On State

White display lights up to indicate modes
and temperature setting when switched on

KEY LOCK icon displayed when activated

KEY LOCK Function :
Activation and deactivation of keylock by pressing
"SWING" and "TURBO" together for 5 seconds

The floor standing unit is incorporated with
IR sensor for usage with wireless controller
(wireless controller comes as standard)
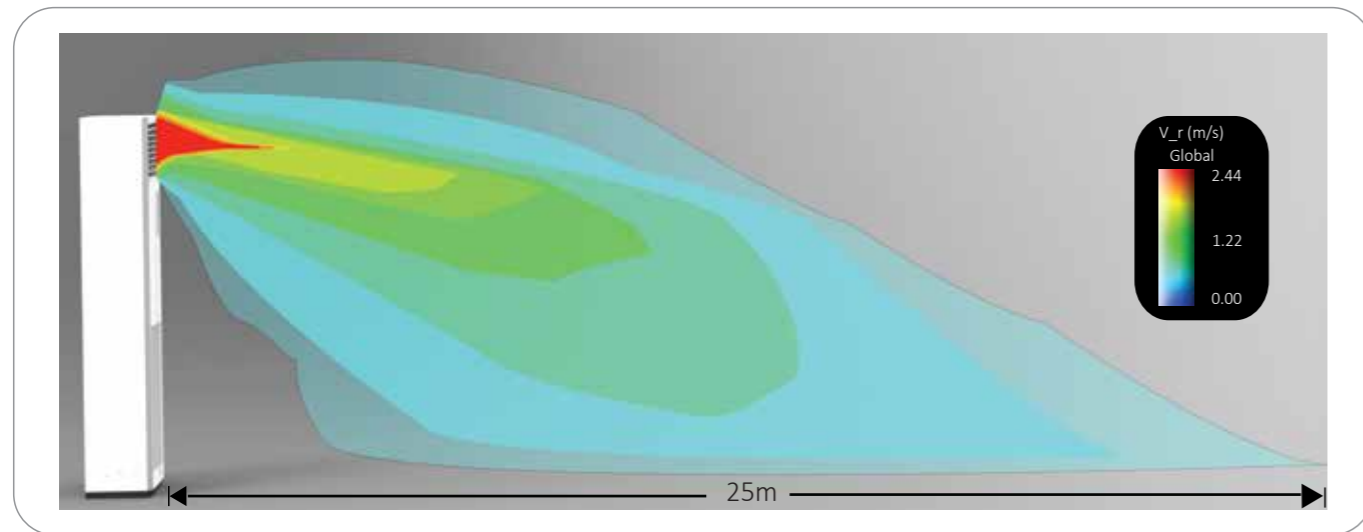
BRC52A61
(heatpump)

BRC52A62
(cooling only)

Compact & Easy-to-Use Handset
BRC52A61 (heatpump) or
BRC52A62 (cooling only)

- Prominent 40mm LCD display
- "Glow in the dark" ON/OFF button
- Real time clock display
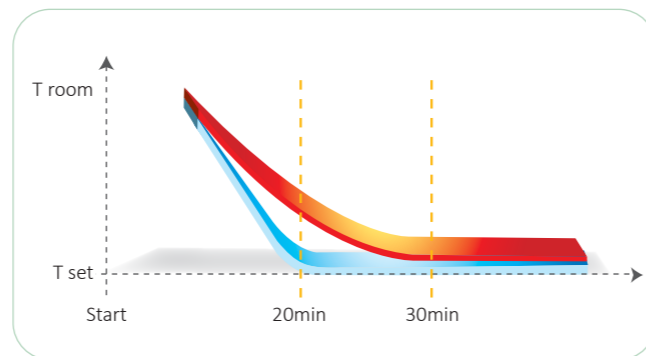- Dedicated button for Turbo function

Floor standing air flow

The floor standing is able to achieve air flow distance up to 25m*.

V_r (m/s)
Global
2.44
1.22
0.00

25m

* Note:
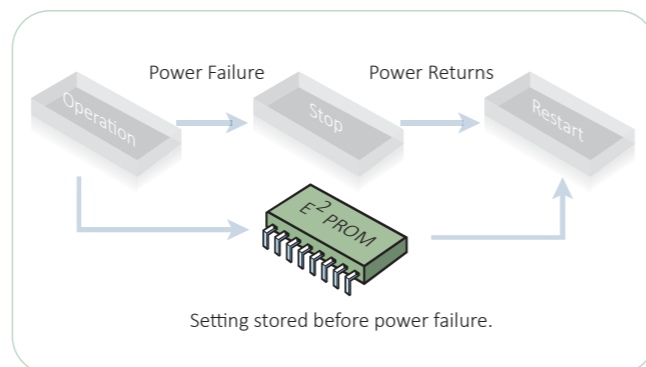Based on size 140

Turbo mode

Turbo function is available in Cool and Heat modes. Once it is activated, the floor standing will run on full power with the indoor fan running at maximum speed for 20 minutes. This enables the set temperature to be achieved faster.

T room

T set

Start   20min   30min

Auto random restart with Last-State-Memory

In the event of a sudden power failure during operation, the floor standing restarts automatically in 64 different recovery timing patterns (within 180 seconds to 244 seconds) and it will operate based on the previous settings (operating mode, temperature setting and fan speed).

This ensures that air conditioners in the same building resume randomly instead of all units resuming at the same time, preventing power surge after a blackout.

Power Failure   Power Returns

Operation   Stop   Restart

E²PROM

Setting stored before power failure.

Floor Standing Features

Piping   Floor Standing Unit

Condensate water
drain pump

Location of condensate water
drain pump
* Condensate water drain pump is optional,
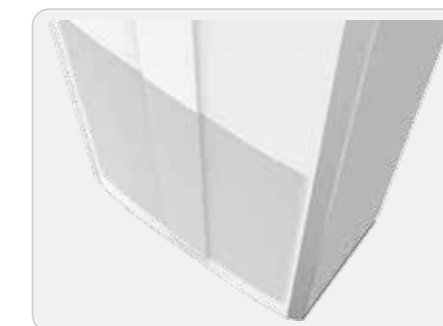separately purchased and field installed

Safety cache during removal of filter for prevention of access to electrical and mechanical parts

Stylish profile with classy control panel

Removable washable saranet filter

Grille profile for slimmer outlook

Optional plasma active IAQ (Indoor Air Quality)

Standard Features

(Manual)   (Auto)

* Optional
** RR100/125/140DXY1
RQ100/125/140DXY1

FVRN71/100/125/140AXV1
FVQN71/100/125/140AXV1

RR71CXV1/RR71CXY1
RQ71CXV1

RR100/125/140DXY1
RQ100/125/140DXY1

COMFORT

Turbo mode - rapid cooling/heating with highest fan speed for immediate comfort

Quiet mode - effective cooling with lower noise level

Dry mode - keeping the room dehumidified, while maintaining room temperature

Auto mode - auto switching between cooling and heating mode depending on room and set temperature

Sleep mode

AIR FLOW

Selectable fan speed - different fan speed is available for comfort selection

Belt driven evaporator motor

Variable pitch pully drive package

Automatic vertical swing - automatic movement of air discharge louver for uniform air distribution

Manual horizontal air flow - Adjustable horizontal discharge grille for desired air flow direction

4-Way air discharge

IAQ

Washable saranet filter - removal of airborne dust particles through saranet filter ensures cleaner air supply

Titanium Apatite Photocatalytic air-purifying filter

Bio antibody filter

Plasma

FIN TYPE

AL Bare aluminium fin

GOLD Anti corrosion hydrophilic gold fin

The outdoor models in the catalog comes with bare / blue fin condenser. For gold fin outdoor models, specification remains the same with the below model name change : eg :

RYN25CXV1 to RYN25CGXV1 "G" comes after the series name of the outdoor.

CONTROLLER

With wireless controller

With wired controller

POWER SUPPLY

Power from indoor

Power from outdoor

Specification for Floor Standing, Cooling only

Indoor Model Name		FVRN71AXV1	FVRN71AXV1	FVRN100AXV1	FVRN125AXV1	FVRN140AXV1
Outdoor Model Name		RR71CXV1	RR71CXY1	RR100DXY1	RR125DXY1	RR140DXY1
Nominal Cooling Capacity	Btu/h	28000	28000	40000	45000	55000
	kW	8.21	8.21	11.72	13.19	16.12
Nominal EER	W/W	2.89	2.89	2.89	2.82	2.94
Indoor — Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Indoor — Air Flow	cfm	675/625/530	675/625/530	1035/945/845	1035/935/835	1170/1085/985
Indoor — Sound Pressure Level	dBA	44/42/39	44/42/39	49/47/44	50/48/46	54/53/51
Indoor — Height	mm	1850	1850	1850	1850	1850
Indoor — Width	mm	600	600	600	600	600
Indoor — Depth	mm	270	270	350	350	350
Indoor — Net Weight	kg	42	42	45	48	51
Outdoor — Power Supply	V/Ph/Hz	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Outdoor — Sound Pressure Level	dBA	58	58	58	60	65
Outdoor — Height	mm	753	753	852	852	852
Outdoor — Width	mm	855	855	1030	1030	1030
Outdoor — Depth	mm	328	328	400	400	400
Outdoor — Net Weight	kg	57	57	95	98	105
Outdoor — Pipe Connection- Liquid	mm	9.52	9.52	9.52	9.52	9.52
Outdoor — Pipe Connection- Gas	mm	15.88	15.88	15.88	15.88	19.05
Max. Allowable Length	m	45	45	45	45	45
Max. Allowable Elevation	m	25	25	25	25	25

Specification for Floor Standing, Heatpump

Indoor Model Name		FVQN71AXV1	FVQN100AXV1	FVQN125AXV1	FVQN140AXV1
Outdoor Model Name		RQ71CXV1	RQ100DXY1	RQ125DXY1	RQ140DXY1
Nominal Cooling Capacity	Btu/h	28000	40000	45000	55000
	kW	8.21	11.72	13.19	16.12
Nominal EER	W/W	2.89	2.89	2.82	2.94
Nominal Heating Capacity	Btu/h	27500	42000	46000	54500
	kW	8.06	12.31	13.48	16.00
Nominal COP	W/W	3.20	3.14	3.02	3.01
Indoor — Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Indoor — Air Flow	cfm	675/625/530	1035/945/845	1035/935/835	1170/1085/985
Indoor — Sound Pressure Level	dBA	44/42/39	49/47/44	50/48/46	54/53/51
Indoor — Height	mm	1850	1850	1850	1850
Indoor — Width	mm	600	600	600	600
Indoor — Depth	mm	270	350	350	350
Indoor — Net Weight	kg	42	45	48	51
Outdoor — Power Supply	V/Ph/Hz	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Outdoor — Sound Pressure Level	dBA	58	58	60	65
Outdoor — Height	mm	753	852	852	852
Outdoor — Width	mm	855	1030	1030	1030
Outdoor — Depth	mm	328	400	400	400
Outdoor — Net Weight	kg	57	95	98	105
Outdoor — Pipe Connection- Liquid	mm	9.52	9.52	9.52	9.52
Outdoor — Pipe Connection- Gas	mm	15.88	15.88	15.88	19.05
Max. Allowable Length	m	45	45	45	40
Max. Allowable Elevation	m	25	25	25	20

Note: