

SPECIFICATIONS



Model		CH052	CH070	CH105	CH140
Capacity					
(Min./Standard/Max.)	Cooling/Watts	5 200	7 000	10 000	14 000
	Heating/Watts	6 000	7 700	11 200	16 000
Power Input					
	Cooling/Watts	2 350	2 350	3 600	4 900
	Heating/Watts	2 350	2 350	3 700	5 300
E.E.R					
	Cooling/W/W	3.00	3.00	2.69	2.76
	Heating/W/W	3.30	3.30	2.84	2.74
Running Current					
	Cooling/Amps	11.65	11.65	6.3	8.2
	Heating/Amps	11.65	11.65	6.5	10.2
Piping Connection					
	Liquid/mm	9.52	9.52	9.52	9.52
	Gas/mm	15.88	15.88	19.05	19.05
Max Pipe Length/Height Diff					
	m	30/15	30/15	50/25	50/25
Power supply					
	Ø/V/Hz	1/220-240/50	1/220-240/50	3/380-415/50	3/380-415/50
Indoor Unit					
Model Code		CH052EZM1	CH070EZM1	CH105EZMC	CH140EZMC
Panel		PC095MN1G	PC095MN1G	PC095MN1G	PC095MN1G
Fan Type		Turbo fan	Turbo fan	Turbo fan	Turbo fan
Air flow Rate		m ³ /m	18	18	24.5
Set Dimension(Net)		WxHxD/mm	840x230x840	840x230x840	840x298x840
Dimension(Gross)		WxHxD/mm	939x324x923	939x324x923	925x360x925
Weight(Net/Gross)		kg	27/32	27/32	29/35
Panel Dimension(Net)		WxHxD/mm	950x30x950	950x30x950	950x35x950
Dimension(Gross)		WxHxD/mm	1048x100x1048	1048x100x1048	1042x103x1042
Weight(Net/Gross)		kg	4.9/7.6	4.9/7.6	7/10.3
Sound Pressure(High/Low)		dB(A)	39/34	40/35	41/37
45/41					
Outdoor Unit					
Model Code		UH052EZM1C	UH070EXM1C	UH105GZM1C	UH140GZM1C
Compressor		Rotary	Rotary	Scroll	Scroll
Refrigerant Type		R22	R22	R22	R22
Set Dimension(Net)		WxHxD mm	880x638x310	880x638x310	880x931x320
Dimension(Gross)		WxHxD mm	1023x744x413	1023x744x413	1043x1062x411
Weight(Net/Gross)		kg	67/72	67/72	88/93
Sound Pressure		dB(A)	52	54	56
Temperature Range		Cooling °C	-5-43	-5-43	-5-43
Heating °C			-5-24	-5-24	-5-24

Notes:

- Nominal cooling capacities are based on: * Indoor temperature: 27°C DB, 19°C WB, outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m(horizontal)
- Nominal heating capacities are based on: * Indoor temperature: 20°C DB, outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m(horizontal)
- Sound pressure acquired in a dead room, so actual sound pressure may be different depending on the installation conditions.

SAMSUNG *air*

Gauteng & Inland Region - (011) 704-6320

Kwazulu Natal Region - (031) 579-1895

Cape Region - (021) 556-8292

Due to Samsung's policy of constant improvement, specifications and model numbers are subject to change without prior notice.

Supplied and Installed by:



Samsung Ceiling-mounted Cassette Split Range

CH052 / CH070 / CH105 / CH140

HEAT PUMP AIRCONDITIONER

- + Ultra-slim body and compact design
- + 18 000 BTU/hr to 48 000BTU/hr
- + Bio-components
- + Auto Changeover
- + Easy operation by wired remote control (Wireless optional)

SAMSUNG

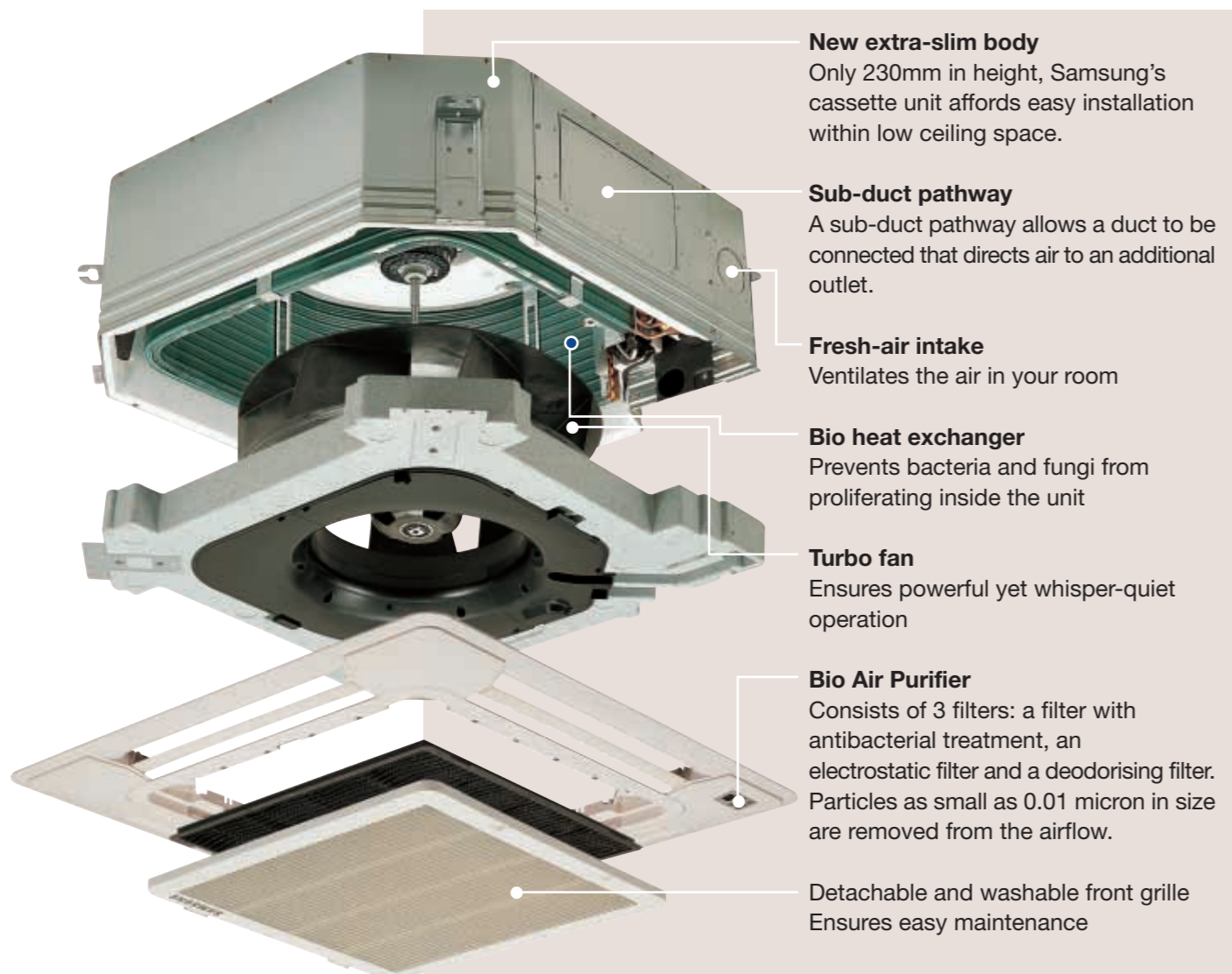


SAMSUNG'S BIO-TECH TECHNOLOGY ENSURES A CLEAN HEALTHY ENVIRONMENT

Advanced technology and the latest in convenient features incorporated into Samsung Cassettes allow you to enjoy high quality air at optimum levels. Compact and lightweight design not only helps make installation easier but also allows the air conditioner to blend beautifully with any interior décor. In addition, Samsung's Bio-Tech feature differentiates Samsung Cassettes from other air conditioners, ensuring the purest, healthiest air you'll ever breathe indoors.

FEATURES OF SAMSUNG CASSETTE-TYPE AIRCONDITIONERS

- 1. Ultra-slim compact Design**
 When we first set about designing the latest range of Samsung Cassettes, easy installation and simple maintenance were of utmost concern. As a result, their compact design and easy-to-access electrical box dramatically cuts the time and cost of installation.
- 2. Bio-components for fresher cleaner air**
 The filter and heat exchanger of a Samsung Cassette are treated with Samsung's unique antibacterial formula. Known as Bio-components, these ensure a fresher and cleaner environment compared with that of competitive makes of cassette air conditioner.
- 3. A variety of additional advantages**
 Versatile airflow, auto change-over function and long piping are available in Samsung Cassette air conditioners as standard.



New extra-slim body
Only 230mm in height, Samsung's cassette unit affords easy installation within low ceiling space.

Sub-duct pathway
A sub-duct pathway allows a duct to be connected that directs air to an additional outlet.

Fresh-air intake
Ventilates the air in your room

Bio heat exchanger
Prevents bacteria and fungi from proliferating inside the unit

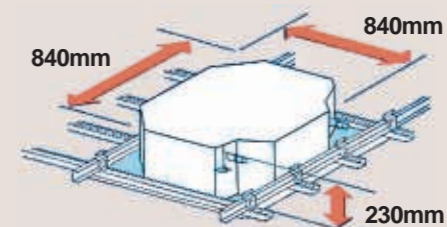
Turbo fan
Ensures powerful yet whisper-quiet operation

Bio Air Purifier
Consists of 3 filters: a filter with antibacterial treatment, an electrostatic filter and a deodorising filter. Particles as small as 0.01 micron in size are removed from the airflow.

Detachable and washable front grille
Ensures easy maintenance

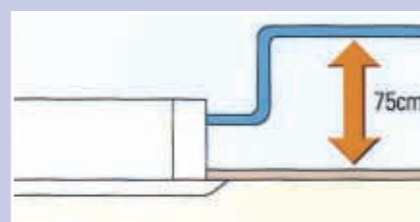
UNRIVALLED SAMSUNG ADVANTAGES FOR BOTH INSTALLER AND CUSTOMER

Extra-slim body for low ceiling space applications



18 000 and 24 000 BTU indoor units are only 230mm in height (and larger units only 6.8cms more) which means industry-leading compactness. The result is exceptional ease of installation within low ceiling space.

High-lift drain pump



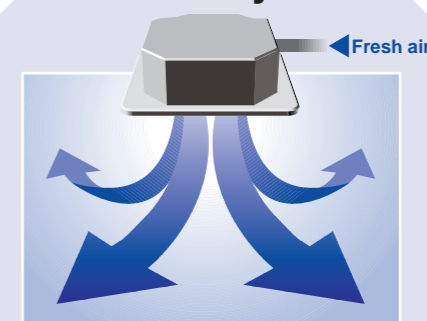
The drain pump of Samsung's indoor unit can lift drain water up to 75cms above ceiling height, thus providing greater flexibility in routing the drain through ceiling space

Quick Lock



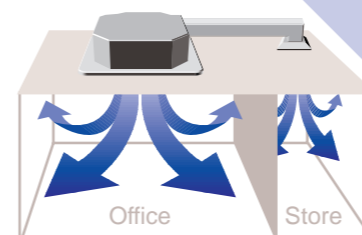
Samsung's Quick Lock system ensures a fast, easy, leak-free connection of the drain hose to the indoor unit without the need for adhesives or tape. Quick Lock saves time and effort during installation.

Fresh air facility



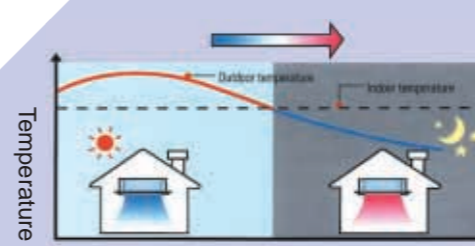
With the optional installation of an air intake motor, fresh air can be introduced into the cassette unit, provided that this has been taken into account in terms of heat gain calculations.

Sub-duct



The Sub-duct facility makes it easy to route airconditioned air to a nearby smaller space. The cassette unit has a knock-out panel to provide this.

Auto Changeover

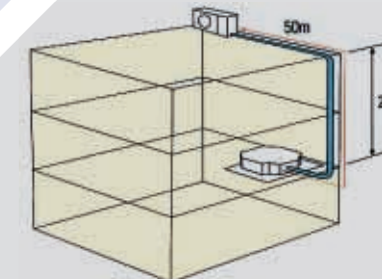


No longer do you have to manually change the operating mode from Cooling to Heating – or vice versa – as outside temperature changes. Now Samsung's Auto Changeover automatically switches modes between Heating and Cooling to maintain the exact pre-set interior temperature for round-the-clock comfort.

Versatile airflow directions

Samsung cassette airflow can be controlled in 2, 3 or 4 directions, thus allowing airflow patterns to be adapted specifically for the shape of the space being airconditioned.

Long pipe runs



Refrigerant pipes can be extended up to 50 metres (30 metres for 18 000 and 24 000 BTU units) with a level difference of up to 25 metres between indoor and outdoor units. This provides greater installation flexibility and makes it easier to conceal the outdoor unit.