

## TECHNICAL SPECIFICATION

MODEL		LUV 028H	LUV 035H	LUV 052H	LUV 065H	LUV 070H	LUV 090H
Indoor Model		42LUV 028H	42LUV 035H	42LUV 052H	42LUV 065H	42LUV 070H	42LUV 090H
Outdoor Model		38LUV 028H	38LUV 035H	38LUV 052H	38LUV 065H	38LUV 070H	38LUV 090H
Power supply	Ph-V-Hz	1Ph, 220V~50Hz	1Ph, 220V~50Hz	1Ph, 220V~50Hz	1Ph, 220~50Hz	1Ph, 220V~50Hz	1Ph, 220V~50Hz
Cooling	Capacity (Nom/Min/Max)	Btu/h 8800(2000~11200)	12000(3700~13600)	17000(7800~19100)	20500(12000~25000)	23500(12000~25000)	30000(15000~30700)
	Capacity (Nom/Min/Max)	kw 2.6(0.88 - 3.0)	3.37(1.17 - 3.95)	5.0(2.3 - 5.6)	6.0(3.5 - 7.3)	6.9(3.5 - 7.3)	8.8(4.4 - 9.0)
	Input	W 680	920	1560	1880	2160	2700
	Rated current	A 3.20	4.24	7.20	8.70	9.70	12.44
	EER	W/W 3.8	3.8	3.2	3.2	3.2	3.25
Heating	Capacity (Nom/Min/Max)	Btu/h 9900(3000~13300)	13000(4000~14300)	18000(7800~19400)	21500(10900~27000)	25000(10900~27000)	30000(15000~31000)
	Capacity (Nom/Min/Max)	kw 2.8(0.93 - 3.3)	3.8(1.2 - 4.2)	5.2(2.3 - 5.7)	6.3(3.2 - 7.9)	7.3(3.2 - 7.9)	8.9(4.1 - 9.1)
	Input	W 730	950	1560	1850	2150	2650
	Rated current	A 3.28	4.40	7.15	8.50	9.88	11.80
	COP	W/W 3.4	3.4	3.4	3.4	3.4	3.3
Moisture Removal	L/h	1.2	1.4	1.8	2.2	2.6	3.0
Max. current	A	8	9	13.5	15	15	17
Max input consumption	w	1750	2000	3000	3300	3300	3700
Indoor air flow (Hi/Mi/Lo)	m3/h	650/540/460	730/600/530	800/700/630	1070/1000/860	1100/1050/900	1300/1030/930
Indoor noise level (Hi/Mi/Lo)	dB(A)	40/35/30	40/33/31	44/40/35	49/43/41	49/43/41	49/46/43
Indoor unit	Dimension(W*D*H)	mm 790x195x265	920x225x292	920x225x292	1080x228x330	1080x228x330	1250x230x325
	Packing (W*D*H)	mm 875x285x375	1015x295x368	1015x295x368	1165x445x320	1165x445x320	1345x430x335
	Net/Gross weight	Kg 9/11	11.5/14.5	12/15	14.5/20.5	15.5/20.5	17.5/25
Outdoor noise level	dB(A)	53	55	57	55	57	60
Compressor type		DC Rotary	DC Rotary	DC Rotary	DC Rotary	DC Rotary	DC Rotary
Outdoor unit	Dimension(W*D*H)	mm 760x285x590	760x285x590	760x285x590	845x335x695	895x330x860	895x330x860
	Packing (W*D*H)	mm 887x355x645	887x355x645	887x355x645	965x395x755	1043x395x915	1043x395x915
	Net/Gross weight	Kg 35.5/39	36/40	40.5/43	47/50.5	63.5/67.5	72/76.5
Refrigerant type	g	R410A / 930g	R410A / 1070g	R410A / 1180g	R410A / 1650g	R410A / 1900g	R410A / 2400g
Refrigerant pipes	Liquid / Suction	mm(inch) 1/4" & 3/8"	1/4" & 1/2"	1/4" & 1/2"	3/8" & 5/8"	3/8" & 5/8"	3/8" & 5/8"
	Max. ref pipe length	m 20	20	20	25	25	25
	Max. height difference	m 8	8	8	10	10	10
SUPPLY POWER WIRING	mm	1.5 x 3	1.5 x 3	1.5 x 3	2.5 x 3	2.5 x 3	2.5 x 3
COMMUNICATION WIRING	mm	1.5 x 4	1.5 x 4	1.5 x 4	1.5 x 5	1.5 x 5	1.5 x 5
CIRCUIT BREAKER SIZE	A	IDU:3.15 A / ODU:20A	IDU:3.15A / ODU:20A	IDU:3.15A / ODU:20A	IDU:3.15A / ODU:20A	IDU:3.15A / ODU:20A	IDU:3.15A / ODU:30A
Min/max ambient temp (cool/heat)	°C	-5-43 / -15-34	-5-43 / -15-34	-5-43 / -15-34	-5-43 / -15-34	-5-43 / -15-34	-5-43 / -15-34

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement.  
 2. All units are being tested and comply to ISO 5151.  
 Cooling: 35°C (DB)/24°C (WB) outdoor, 27°C (DB)/19°C (WB) indoor;  
 Heating: 7°C (DB)/6°C (WB) outdoor, 20°C (DB)/15°C (WB) indoor.



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## Features

### Health



Active Carbon Filter

#### ACTIVE CARBON

Carrier air conditioners take advantage of the latest technology to bring refreshing air into your home.



### Comfort



#### Follow me

With this function, the room temperature sensor built into the remote controller is activated and replaces the one in the indoor unit. The air conditioner will then regulate the room temperature based on the temperature around the remote controller, just like the air conditioner is following the user.



### Reliability

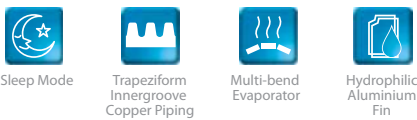


#### 5 Step Anti Rust Condensing Unit

1. Galvanised Metal
2. Electrophoresis Technique
3. Powder Coating
4. Paint Coating
5. Dacromet Screws



### Energy Saving



#### Sleep Mode

This function enables the unit to automatically increase (cooling) or decrease (heating) 1° per hour for the first two hours, then stabilises for the next 5 hours, after which the unit will stop operation. It maintains the optimum temperature while saving energy.



### Convenience



#### Auto-Restart

The unit will restart automatically, using the same user settings after power cuts are restored

Features: ■ Standard



## DC Inverter Technology



Rather than using a fixed speed compressor, the Carrier Inverter system uses a variable speed compressor, which means the cooling and heating capacities vary in order to suit indoor conditions. This makes the Carrier Inverter Unit more economical and efficient to operate, produces less noise than standard counterparts and contain most superior features.



### More Economical

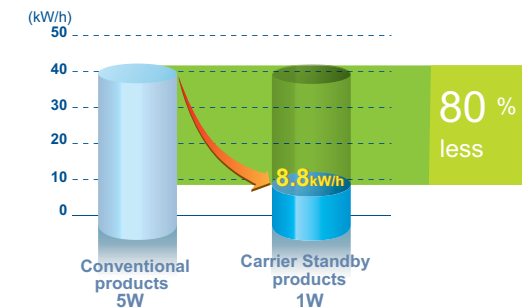
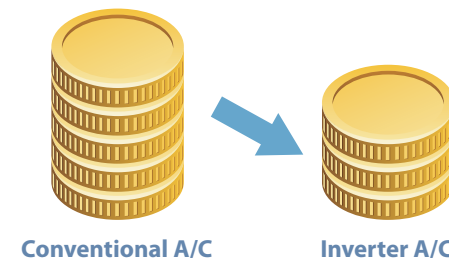


#### Energy Saving

When indoor temperatures reach your desired levels, inverter air conditioners operate their compressors at low speeds and maintain desired temperatures, thus reducing your electricity cost by about 40%, compared to conventional air conditioners.

#### 1W Standby

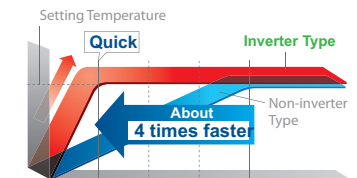
Intelligent on/off technology enables Carrier products to automatically enter energy-saving mode when on standby and cut energy consumption from the normal 5W to 1W, which results in a 80% standby power use reduction



### More Powerful

#### Powerful Capacity → Quick Cooling & Heating

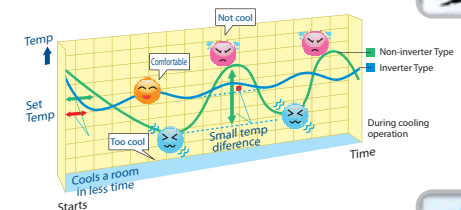
Carrier Inverter air conditioners increase the speed of their compressors to offer more powerful performance. This results in attaining the desired temperature much faster than conventional air conditioners, in both cooling and heating modes



### More Comfortable

#### Precise Control → Constant Temperature

After rapidly reaching the set temperature, Carrier Inverter air conditioners finely adjust output power to maintain a constant temperature with minimal fluctuation, and guarantees a pleasant, comfortable environment.



### More Reliable

#### Wide Startup Voltage & Operation Temperature

By using variable speed compressors, Carrier Inverters air can start up at 168 – 264 voltage and operate very well at -5°C to 43°C ambient temperature.

