



Turn to the Experts.



**Digital Inverter 4 Way Cassette System**

# Who is Carrier Air Conditioning?

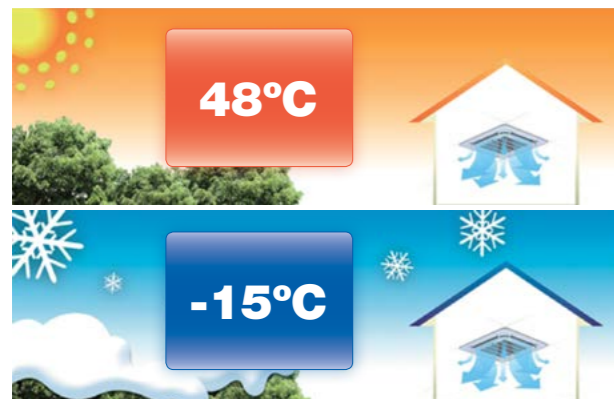
Carrier is one of the world's leaders in high technology heating, air conditioning and refrigeration solutions. Carrier provides sustainable solutions, integrating energy efficient products, building controls, and energy services for residential, commercial and retail. Founded by the inventor of modern air conditioning (Willis Carrier), Carrier improves the world around us through engineered innovation and environmental stewardship. Carrier is also a leading provider to the aerospace and building systems industries worldwide.

## Advantages of the Carrier Inverter 4 Way Cassette System

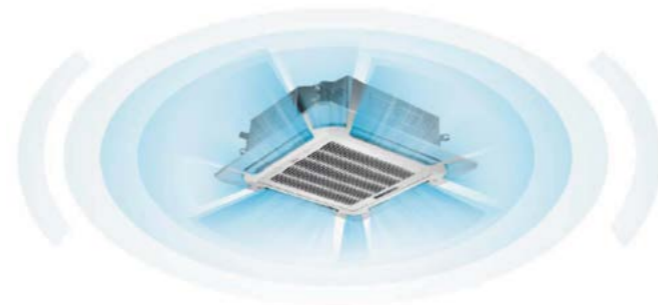
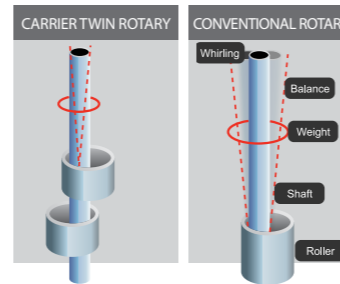
- Inverter air conditioning** – finely adjusts output power to maintain a constant temperature with minimal fluctuations and promotes a pleasant and comfortable environment



- 3D DC motor** – brushless DC motor designed to use electricity efficiently and effectively
- Cooling** performance even at 48°C outdoor temperature and as low as -15°C for heating



- Twin-Rotary Compressor** – rotating with two rollers at the same time, this makes accurate compressor rotation possible with less energy loss. As a result, it offers a great reduction in energy consumption with a very powerful and quiet operation\*
- 360° degree air flow panel** for uniform temperature distribution across the room



- Fresh air intake** – fresh outside air can be led into the room via a connection pipe which keeps the indoor air fresh
- Reverse cycle system** (heating and cooling)
- Slimline** design
- Easy to use** wired controller
- Powerful** and quiet operation
- Remote** on/off and alarm port
- Use of **R410A** type refrigerant
- 5 year warranty** for consumer confidence



## Controls: features and benefits

FEATURE	BENEFIT
Wired controller	Controller is secured to the wall – never lose the controller again
Weekly schedule timer	Convenient for setting different schedules on weekends and weekdays
Fan speed	3 fan speeds – Low / Med / High
Sleep mode	This function enables the air conditioner to automatically increase (cooling) or decrease (heating) 1°C per hour for the first two hours, then hold steady for the next 5 hours, after that it will switch off. This maintains both energy saving and comfort in night operation
Set temperature range	Set the minimum and maximum limit for each type of operation including heat and cool to cover for all variances in weather
Large buttons	For simple and easy operation
Lock function	Locks the controller so the temperature is stable and unable to be changed, resulting in a constant temperature with no variations

\*Only available on selected models.

# Product specifications

SYSTEM			53TSV052P1	53TSV067P1	53TSV080P1	53TSV110P1	53TSV130P1
INDOOR			42TSV052P1	42TSV067P1	42TSV080P1	42TSV110P1	42TSV130P1
OUTDOOR			38TSV052P1	38TSV067P1	38TSV080P1	38TSV110P1	38TSV130P1
Refrigerant Type			R410A	R410A	R410A	R410A	R410A
Power Supply (Volts-Phase-Hz)			220-240V ~/1/50Hz	220-240V ~/1/50Hz	220-240V ~/1/50Hz	220-240V ~/1/50Hz	220-240V ~/1/50Hz
COOLING	Capacity - Rated	kW	5.2	6.7	7.6	10.5	12.5
	Capacity - Range (min ~ max)	kW	2.4~5.5	4.5~8.0	5.7~9.4	6.8~13.3	8.0~14.2
	Efficiency (rated )	EER	3.44	3.33	3.28	3.13	3.16
	Star Rating		2	2	2	1.5	1.5
	Power Input (rated)	kW	1.51	2.01	2.32	3.35	3.95
	Operating Current (rated)	A	7.1	9.4	10.8	15.3	17.9
HEATING	Capacity - Rated	kW	5.6	8.0	9.2	12.3	13.0
	Capacity - Range (min ~ max)	kW	2.2~6.5	4.3~9.4	5.4~11.1	6.6~14.6	7.8~16.2
	Efficiency (rated)	COP	3.54	3.57	3.29	3.23	3.21
	Star Rating		2	2.5	2	1.5	1.5
	Power Input (rated)	kW	1.58	2.24	2.80	3.81	4.05
	Operating Current (rated)	A	7.4	10.5	13.0	17.5	18.5
INDOOR UNIT	Dimension (HxWxD)(Body)	mm	205x840x840	245x840x840	245x840x840	245x840x840	287x840x840
	Dimension (HxWxD)(Panel)	mm	55x950x950	55x950x950	55x950x950	55x950x950	55x950x950
	Net Weight (Body/Panel)	kg	22/5	24/5	24/5	26.5/5	28/5
	Airflow Volume (H/L)	L/s	320/250	500/350	500/350	500/350	530/400
	Heating Airflow Volume (H/L)	L/s	320/250	500/350	500/350	500/350	530/400
	Moisture Removal (Cooling)	L/hr	1.2	1.5	2.0	3.3	4.8
	Fan Motor Output	W	42	124	124	124	124
	Sound Pressure (H/M/L) at 1.4m distance	dBA	48/43/37	49/46/41	52/48/45	54/49/46	54/49/46
	Sound Power (H)	dBA	62	63	66	68	68
	Heating Operating Noise (Sound Pressure) (H/L) at 1.4m distance	dBA (@spl)	48/43/37	49/46/41	52/48/45	54/49/46	54/49/46
	Heating Operating Noise (Sound Power) (H)	dBA (@swl)	62	63	66	68	68
	Cooling Usable Temperature Range	°C	18~32	18~32	18~32	18~32	18~32
	Heating Usable Temperature Range	°C	0~27	0~27	0~27	0~27	0~27
	OUTDOOR UNIT	Dimension (HxWxD)	mm	700x845x320	860x900x315	966x990x354	1369x938x392
Net Weight		kg	46	59	70	100	116
Compressor Type			DC Rotary	DC Twin Rotary	DC Twin Rotary	DC Twin Rotary	DC Scroll
Fan Motor Output		W	50	72	180	85+85	85+85
Cooling Operating Noise (Sound Pressure) (H) at 1m distance		dBA (@spl)	60	60	62	62	62
Cooling Operating Noise (Sound Power) (H)		dBA (@swl)	71	71	73	73	73
Heating Operating Noise (Sound Pressure) (H) at 1m distance		dBA (@spl)	60	60	62	62	62
Heating Operating Noise (Sound Power) (H)		dBA (@swl)	71	71	73	73	73
Cooling Usable Temperature Range		DB	-10~48	-10~48	-10~48	-10~48	-10~48
Heating Usable Temperature Range		WB	-15~24	-15~24	-15~24	-15~24	-15~24
PIPE SIZE		Liquid Line Ø	(mm)	6.35	9.52	9.52	9.52
	Gas Line Ø	(mm)	12.7	15.9	15.9	19	19
	Coupler Style		Flaring	Flaring	Flaring	Flaring	Flaring
	Drain (Inside Diameter) Ø	mm	32	32	32	32	32
	Maximum Length	m	25	25	25	30	30
	Chargeless Length	m	5	5	5	5	5
	Maximum Height Difference	m	10	10	10	15	15

Cooling and heating capacities mentioned for the products are nominal capacities at standard operation conditions.

AHJ Carrier is committed to continuously improving its products, to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

All features and specifications subject to change without prior notice.

Equipment rated in accordance with 3823.2.2011 E&OE

All images provided in this catalogue are used for illustration purposes only.

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Equipment rates in accordance with MEPS 3823.2-2011 E&OE



## Turn to the Experts.

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