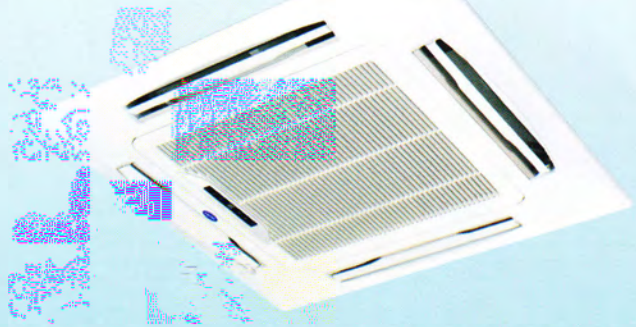
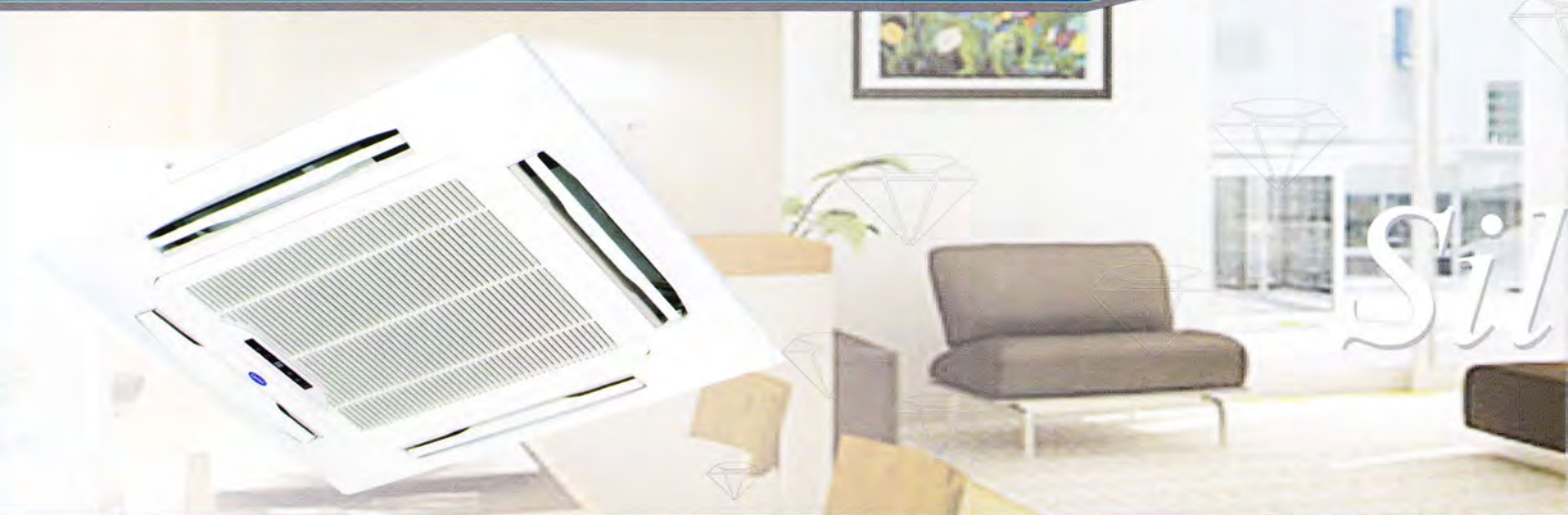


Sapphire



Sapphire





# Sapphire

## FEATURES AND BENEFITS

### ECONO MODE

Save power by selecting "dry" mode. The unit operates as a de-humidifier, using less energy than cooling mode, reducing your energy bill.

### ADVANCED AIRFLOW

With "auto swing", you can choose the best louver position for heating and cooling and distribute the air evenly around the room.

### WHISPER QUIET

The new 3-dimensional screw fan ensures ample airflow at very low noise levels, while an added rib on the panel avoids uncomfortable airflow to people below.

### ADVANCED TEMPERATURE CONTROL

Infra red remote controls come standard, with wired and group controls available as optional accessories.

### FRESH AIR INTAKE *(Not available on 12k/18k)*

Knockout panels allow for the connection of air ducts, which will create a healthier, more comfortable indoor environment

### AUTO RESTART

Automatically restores your settings after power failures have occurred. The unit will switch on automatically once power is restored and return to the previous user settings.

### ULTRA THIN

Thin indoor casings allow units to be installed into very low ceiling voids

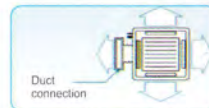
### Remote Control



### Wired Control



*(Optional)*



# ent Efficiency



Ventilation  
(fan only)

Heating

**A** Automatic

Cooling with  
dehumidification

Dehumidification  
only

## CASSETTE - TECHNICAL SPECIFICATION

			CAS-12H1	CAS-18H1	CAS-24H1	CAS-36H1	CAS-48H1	CAS-60H1
INDOOR MODEL			42CAS-12H1	42CAS-18H1	42CAS-24H1	42CAS-36H1	42CAS-48H1	42CAS-60H1
Power supply	V-ph-Hz		220~240-1-50	220~240-1-50	220~240-1-50	220~240-1-50	380~415-3-50	380-3-50
Cooling	Rated Capacity / BTU		12000	18000	26000	36000	42000	50000
	Input	W	1416	2000	2780	4037	4823	5493
	EER	W/W	2.45	2.46	2.6	2.35	2.27	2.37
Heating	Rated Capacity / BTU		12500	19000	28000	37000	46000	52000
	Input	W	1189	1902	2829	3863	5133	5251
	COP	W/W	2.89	2.91	2.8	2.78	2.58	2.77
Indoor air flow (H / L)	m <sup>3</sup> /h		596/477	860/760	1220/1010/820	1648/1501/1326	1650/1412/1264	1830/1480/1120
Indoor noise level	dB(A)		40/37	42 / 38	42 / 40 / 39	44 / 42 / 41	44 / 43 / 41	52.9/47.8/43.7
Indoor unit	Nett (W×H×D)(body)	mm	580x254x580	580 × 254 × 580	840 × 230 × 840	840 × 300 × 840	840 × 300 × 840	840x300x840
	Gross (W×H×D)(body)	mm	750x340x745	750 × 340 × 745	955 × 247 × 955	955 × 317 × 955	955 × 317 × 955	955x317x955
	Nett (W×H×D)(Grille)	mm	650x30x650	650 × 30 × 650	950 × 55 × 950	950 × 55 × 950	950 × 55 × 950	950x55x950
	Gross (W×H×D)(Grille)	mm	715x115x715	715 × 115 × 715	1035 × 90 × 1035	1035 × 90 × 1035	1035 × 90 × 1035	1035x90x1035
	Net/Gross weight (body)	kg	21/27	21 / 27	29 / 36	35 / 42	35 / 42	33/40
	Net/Gross weight (Grille)	kg	3/5	3 / 5	6 / 9	6 / 9	6 / 9	6/9
Refrigerant type			R22	R22	R22	R22	R22	R22
Refrigerant piping	Liquid side / Gas side	mm	1/4"/1/2"	1/4"/ 1/2"	3/8"/ 5/8"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"
Drain pipe diameter		mm	ODφ25	ODφ25	ODφ32	ODφ32	ODφ32	ODφ32
Connection wiring	Power supply cable	mm <sup>2</sup>	1.5-3 core	2.5 - 3 core	4.0 - 3 core	4.0 - 3 core	2.5 - 5 core	2.5-5 core
	Interconnecting cable	mm <sup>2</sup>	1.5-5 core	2.5 - 5 core	2.5 - 3 core	2.5 - 3 core	2.5 - 3 core	2.5-3 core
OUTDOOR MODEL			COU-12H1	38COU-18H1	38COU-24H1	38COU-36H1	38COU-48H1	38COU-60H1
Power supply	V-ph-Hz		220~240-1-50	220~240-1-50	220~240-1-50	220~240-1-50	380~415-3-50	380~415-3-50
Max. input consumption	W		1600	2750	3250	4200	5100	6600
Max. input current	A		7.2	13	15	19	23	12
Locked rotor Amp (LRA)	A		29	39.4	63	80	98	61.1
Outdoor air flow	m <sup>3</sup> /h		1840	2439	4000	5300	6050	6050
Outdoor noise level	dB(A)		43	44	47	47	47	52
Outdoor unit	Nett Dimension(W×H×D)	mm	838(780)x547x250	824x593x282	932x660x282	932x660x282	932x660x282	986(900)x1167x340
	Gross Packing (W×H×D)	mm	910x575x335	891x657x359	986x720x359	986x720x359	986x720x359	1032x1307x443
	Net/Gross weight	kg	32/34	42/45	60/60	60/60	60/60	102/110
Refrigerant	Type		R22	R22	R22	R22	R22	R22
	Charged volume	g	850	1600	1970	2800	3300	4300
Piping	Max. total pipe length	m	15	20	20	25	25	30
	Max. height difference	m	8	10	10	10	10	15
Operating ambient temp (Cool / Heat)	°C		18~43 / -7~24	18~43 / -7~24	18~43 / -7~24	18~43 / -7~24	18~43 / -7~24	18~43 / -7~24

Cooling Conditions: 35°C (95°F) DB and 24°C (75°F) WB outdoor; 27°C (81°F) DB and 19°C (66°F) indoor.  
 Heating Conditions: 7°C (45°F) DB and 6°C (43°F) WB outdoor; 20°C (68°F) DB and 15°C (59°F) WB indoor.  
 Specification and performance data are subject to change without prior notice for product improvement purposes.

All wiring subject to onsite conditions and must conform to SANS 1014 wiring regulations  
 Safety tested in accordance with SABS IEC 60335-2-40 applicable standard