



42CE

FAN COIL UNIT

42CE



OPTIMISED INDIVIDUAL
COMFORT

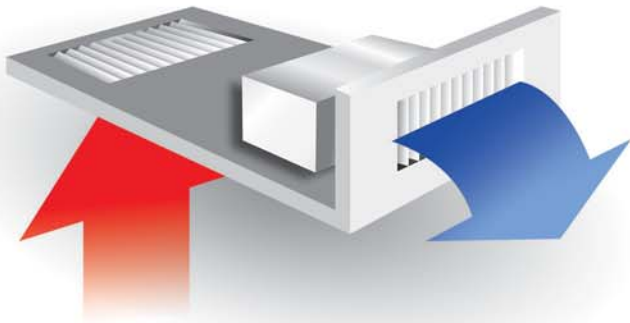
IDEAL COMFORT FOR ANY REQUIREMENT

The strength of the 42CE unit is its ability to offer a customised concept for any application requirement.

HIGH PERFORMANCE AND SIMPLICITY

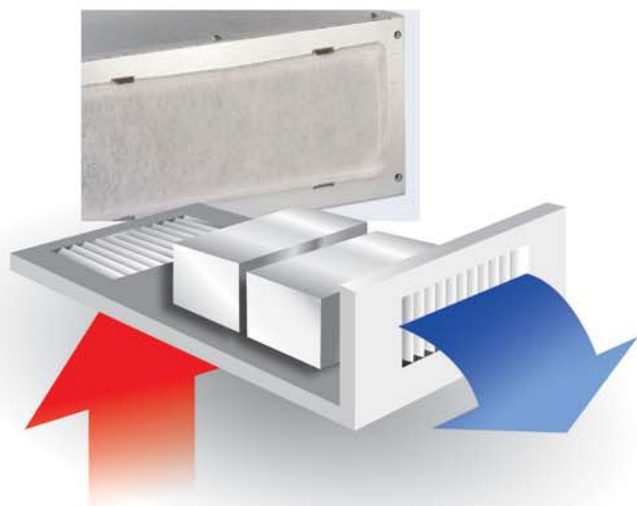
The first product tier offers you an unbeatable price/quality ratio to optimise your investment, without compromising on the intrinsic quality of CARRIER products:

- Excellent finish
- Single-piece insulated condensate pan with internal anti-corrosion lining
- Coil equipped with air purges with a centre distance of 40 mm for the water connections
- Centrifugal high-pressure fan/motor assembly to ensure long-term performance integrity



OUTSTANDING COMFORT SOLUTIONS

- Air quality comfort, using a G3 return air filter that absorbs 80 to 90% of particles down to 1µm in size
- Acoustic comfort using an insulated return air casing that reduces the noise level by -3 dB(A)
- Installation comfort with a casing that allows easy air return from the rear or from below, offering you a solution to your system constraints



FAST AND EASY INSTALLATION

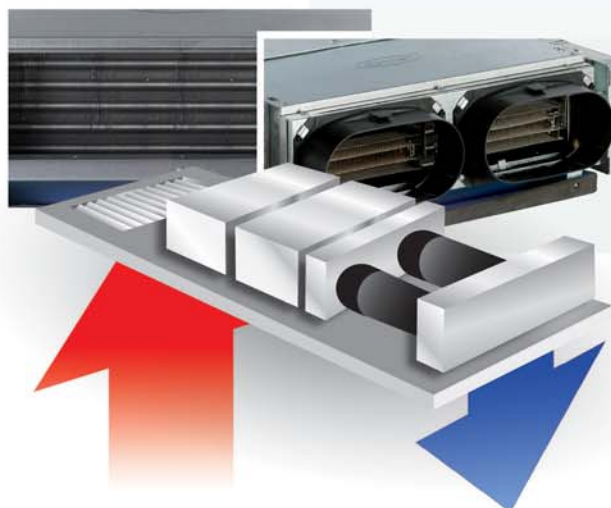
With our all-inclusive concepts nothing has been forgotten, and your installation time and costs will be considerably reduced:

- Factory-installed two- or four-way valve(s), equipped with a 230 V thermo-electric on/off motor, compatible with most available controls
- Factory-mounted CARRIER controls



CONTROLLED AIR DISTRIBUTION

- The standard 42CE unit is equipped with a rectangular supply air sleeve to facilitate duct connection
- A plenum with oblong discharge spigots, compatible with $\varnothing 200$ mm ducts, means that Carrier can offer you a complete system by combining it with the 35BD diffuser range



A CHOICE OF INTELLIGENT CONTROLS

Carrier offers three electronic control ranges to meet your needs and control your costs:



A/B THERMOSTAT

An inexpensive electronic high-specification thermostat for individual comfort control: automatic or manual speed selection, automatic or manual summer/winter changeover, economy mode.



HDB CONTROLLER

A controller that allows master/slave operation in a closed circuit, equipped with infrared or wired remote control. The infrared control can also be used to programme a daily time schedule.



NTC CONTROLLER

A communicating controller that combines a SYSTEM MANAGER mini centre offering you the complete AQUASMART Evolution concept.

TECHNICAL DATA		42CE002	42CE003	42CE004	42CE005	42CE006
Fan speed		Low Med High	Low Med High	Low Med High	Low Med High	Low Med High
Air flow at 0 Pa available pressure	m ³ /h	335 425 500	400 511 598	526 655 749	630 731 853	734 900 1026
	l/s	93 118 139	111 142 166	146 182 208	175 203 237	204 250 285
Cooling mode						
Total cooling capacity*	kW	2.0 2.4 2.7	2.5 3.0 3.3	3.0 3.5 3.8	3.5 3.9 4.3	4.1 4.8 5.2
Sensible cooling capacity*	kW	1.6 1.9 2.2	1.9 2.3 2.6	2.4 2.8 3.1	2.8 3.1 3.5	3.2 3.8 4.2
Water flow rate	l/h	350 414 466	425 507 564	510 597 654	600 666 739	710 815 890
	l/s	0.10 0.12 0.13	0.12 0.14 0.16	0.14 0.17 0.18	0.17 0.19 0.21	0.20 0.23 0.25
Water pressure drop	kPa	7 10 13	14 20 25	7 9 11	11 14 17	22 29 34
Heating mode						
Heating capacity*	kW	2.8 3.3 3.7	3.4 3.9 4.3	4.1 4.7 5.1	4.8 5.3 5.9	5.6 6.4 7
Water flow rate	l/h	247 288 321	294 346 382	360 415 452	423 466 513	495 564 612
	l/s	0.07 0.08 0.09	0.08 0.10 0.11	0.10 0.12 0.13	0.12 0.13 0.14	0.14 0.16 0.17
Water pressure drop	kPa	7 10 13	14 20 24	20 26 31	33 40 49	62 80 94
Electric heater (option)						
Low/High capacity	W	500/1000	500/1000	500/1000	1000/1500	1000/1500
Sound level noise						
Sound power level	dB(A)	48 52 57	46 52 56	49 55 58	53 57 60	54 59 62
Sound pressure level**	dB(A)	34 38 43	32 38 42	35 41 44	39 43 46	40 45 48
NR value	NR	30 34 38	29 35 37	31 36 40	35 39 42	36 41 43
Electrical data, motor						
Power input	W	48 54 64	50 58 66	71 77 89	87 89 104	104 107 122
Current draw	A	0.22 0.23 0.26	0.22 0.25 0.27	0.31 0.33 0.37	0.37 0.38 0.45	0.46 0.48 0.51
Air filter (G3)	mm	180 x 490	180 x 570	180 x 690	180 x 770	180 x 890
Physical dimensions						
Cooling connection (gas thread)	inch	1/2	1/2	1/2	1/2	1/2
Heating connection (gas thread)	inch	1/2	1/2	1/2	1/2	1/2
Height	mm	225	225	225	225	225
Depth	mm	742	822	942	1022	1142
Length	mm	466	466	466	466	466
Weight	kg	14	16	18	19	21

* Capacities based on Eurovent conditions and unit equipped with G3 filter:
 Cooling conditions: 27°C db/19°C wb air temperature 7°C/12°C entering/leaving water temperature
 Heating conditions (4-pipe heating): 20°C entering air temperature, 70°C/60°C entering/leaving water temperature
 ** Sound pressure levels are based on a hypothetical sound attenuation for the room and the system
 (diffuser, ductwork, ceiling) of -14 dB(A)

CARRIER participates in the Eurovent certification programme for fan coil units; the certified data for certified models is listed in the Eurovent directory, available from www.eurovent-certification.com



Order No.: 14456-20-02/2008
 Supersedes order No.: New
 The manufacturer reserves the right to change and product specifications without notice.

A member of the United Technologies Corporation family