

FAN COIL UNITS

# BI2 CASSETTE



Size	<b>520, 620, 720</b>
Type	<b>ceiling recess</b>
Design	<b>standard</b>



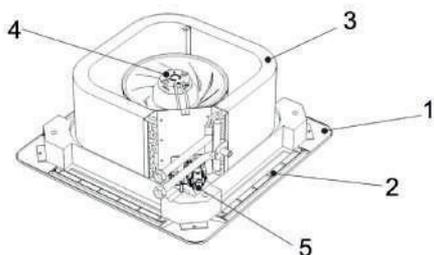
## High power, small size

Ideal for new buildings, as well as for light refurbishments, hydronic ceiling-mounted fan coil convectors deliver high output in both cooling and heating mode, while eliminating the floor footprint of the terminals for comfort and promoting maximum architectural integration.



- Cooling**
- Heating**
- Dehumidification**
- Ventilation**

## LAYOUT



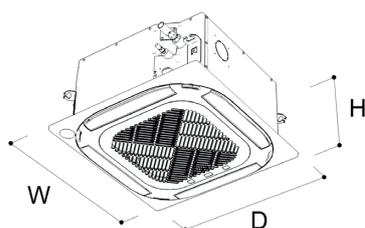
1. Decorative panel with air intake grille
2. Manual air delivery flap
3. Heat exchanger battery
4. Fan with Brushless DC motors
5. Standard condensate drain pump

## INSTALLATION



Ceiling recessed

## DIMENSIONS AND WEIGHT



		520	620	720
W	mm	630	630	630
H	mm	250	250	250
D	mm	630	630	630
WEIGHT	kg	19,4	19,4	20,2

## COMPATIBLE ACCESSORIES

ACCESSORIES	DESCRIPTION	COMPATIBILITY
CONTROLS	B1227	Decorative panel <span style="color: green;">NEW</span> ▼
	B1135	Wall thermostat kit ○
	B1136	Wall-mounted Wi-Fi touch thermostat kit ○
HYDRAULICS	B1229	4-wire 3-way valve kit <span style="color: green;">NEW</span> ○
	B1230	4-wire 2-way valve kit <span style="color: green;">NEW</span> ○
	B1228	Additional condensate collection tray kit <span style="color: green;">NEW</span> ○
ELECTRIC	B1137	Water temperature probe ○

▼ Necessary Accessory ○ Optional accessory; - Incompatible accessory

When compatibility is only possible with certain sizes or models, the information is given in the table. Accessory description available at end of chapter.

## TECHNICAL DATA

CST DC	520 <span style="color: green;">NEW</span>			620 <span style="color: green;">NEW</span>			720 <span style="color: green;">NEW</span>					
	02646			02647			02648					
Fan speed			Low	Medium	High	Low	Medium	High	Low	Medium	High	
Total power output in cooling mode	a27/19 - w7/12 (a)	(E)	kW	2,06	3,41	4,32	2,61	4,31	5,47	3,05	5,12	6,53
Sensitive power output in cooling mode	a27/19 - w7/12 (a)	(E)	kW	1,53	2,6	3,35	1,96	3,35	4,31	2,17	3,73	4,81
Fluid flow rate	a27/19 - w7/12 (a)		l/h	355	589	747	450	745	946	527	886	1132
Water side head loss	a27/19 - w7/12 (a)	(E)	kPa	6,4	15,5	23,6	8,2	19,9	30,3	12,6	31,6	48,5
Total power output in heating mode	a20/15 - w50/- (b)	(E)	kW	2,62	4,46	5,73	3,35	5,70	7,34	3,44	5,90	7,61
Fluid flow rate	a20/15 - w50/- (b)		l/h	356	591	754	450	746	952	526	885	1134
Water side head loss	a20/15 - w50/- (b)	(E)	kPa	6,1	15,0	23,2	7,7	19,2	29,7	10,3	26,0	40,6
Total power output in heating mode	a20/15 - w45/40 (c)	(E)	kW	2,2	3,75	4,82	2,81	4,8	6,18	2,85	4,89	6,31
Fluid flow rate	a20/15 - w45/40 (c)		l/h	377	642	825	482	822	1058	488	836	1077
Water side head loss	a20/15 - w45/40 (c)	(E)	kPa	6,9	17,7	27,6	9	23,3	36,4	9,3	24,1	37,9
Absorbed power		(E)	W	7	27	65	7	27	65	7	27	65
Sound Power Lw (A)		(E)	dB(A)	43	59	65	43	59	65	43	59	65
Sound pressure Lp (A)		(d)	dB(A)	34	50	56	34	50	56	34	50	56
Air flow rate		(f)	m <sup>3</sup> /h	396	743	1000	440	825	1110	431	792	1055
Battery water content			l	0,95			1,5			2,1		
Maximum operating pressure			bar	15			15			15		
Hydraulic fittings			inch	3/4" F			3/4" F			3/4" F		
Electrical power supply			V/ph/Hz	230/1/50			230/1/50			230/1/50		

The above performance refers to the following operating conditions:

- (a) Cooling mode in standard conditions: air temperature 27°C DB 19°C WB, water inlet temperature 7°C, water outlet temperature 12°C  
 (b) Heating mode conditions of use 1: air temperature 20°C DB, 15°C WB max, water inlet temperature 50°C, water flow rate equal to the cooling water standard condition  
 (c) Heating mode standard conditions: air temperature 20°C DB, 15°C WB max, water inlet temperature 45°C, water outlet temperature 40°C

(d) Sound pressure level applicable to indoor environments with a volume of 100 m<sup>3</sup>, a reverberation time of 0.5 s and wall-mounted installation, with sound emission over a half-sphere at a distance of 3 metres

(E) Eurovent certified data

(f) Air flow rate measured with clean filters