



## Air-cooled chillers with centrifugal fans 4,9 - 15,4 kW

### Unit Description

BRA is the Climaveneta range of air-cooled liquid chillers with gas R410A. They are fitted with hermetic Scroll compressors and Full Floating technology. The latter is an intelligent electronic unit providing the perfect answer to residential market requirements: compactness, ease of installation and quietness.

### Versions

BRA FF Indoor liquid chiller with full floating technology and built-in hydronic kit

### Features

Coil protection grid for all models.  
Structure and base in hot-dip galvanised steel with epoxy powder paint finish.  
High-efficiency plate exchangers in AISI 316 stainless steel with low pressure loss, fitted with heating element for frost protection.  
External access to control with anti-tamper device.  
Finned coils made with copper pipes and aluminium fins with large exchange surface area, tested for leaks with dried air at 30 bar.  
User interface with display.  
The circuit includes:  
Air vent valve.  
Water circulator.  
Differential pressure switch.  
Expansion tank.  
Safety valve.  
Pressure gauge.  
Manual filling assembly.  
Drain valve

### Main accessories

- HSW5 remote keyboard
- External buffer tank and hydronic connecting kit
- External main switch kit
- Additional circulating pump kit for models 0041÷0061
- Rubber anti-vibration mounting kit
- Removable metal mesh water filter kit

### Commands

#### Full Floating features

The new generation electronic controller allows to manage the chiller by using the Full Floating technology, designed by Climaveneta for improving the system's efficiency for the fans (Floating Fans), for the circulating pump (Floating Flow) and finally for the working temperature (Floating Setpoint). This also allows to achieve all the following benefits: improvement of efficiency in both standard and extreme conditions, much lower operating noise in part load conditions, lower installation time, lower time for system set-up, broader operating limits, faster transient after defrosts.

## BRA FF

Models		0011	0021	0025	0031	0041	0021	0025	0031	0041	0051	0061
COOLING ONLY MODEL												
Nominal Cooling capacity(1)	kW	4,9	5,6	6,9	8,6	11,0	5,6	7,0	8,7	11,4	13,2	15,4
Total absorbed power(1)	kW	2,5	2,6	3,1	4,0	5,2	2,6	3,0	3,7	5,3	5,8	6,4
EER		1,96	2,15	2,23	2,15	2,11	2,15	2,33	2,35	2,15	2,28	2,41
ESEER		2,24	2,48	2,68	2,60	2,39	2,54	2,76	2,70	2,48	2,53	2,78
Absorbed current	A	11,9	12,5	15,1	18,3	24,6	6,90	7,10	8,60	13,7	14,3	15
Nominal water flow	m3/h	0,80	1	1,20	1,50	1,90	1	1,20	1,50	2	2,30	2,70
Useful head	kPa	49	46	42	41	43	46	42	41	43	35	32
Operational weight	kg	100	105	115	125	165	105	115	125	165	185	195
No. fans	Nr/No.	1	1	1	1	2	1	1	1	2	2	2
Airflow	m3/h	3200	3200	3600	3600	6800	3200	3600	3600	6800	6800	6800
Compressor type		SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL	SCROLL
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Hydraulic connections	inches	3/4"	3/4"	3/4"	3/4"	1"1/4	3/4"	3/4"	3/4"	1"1/4	1"1/4	1"1/4
Sound pressure level(2)	db(A)	55	55	55	55	60	55	55	55	60	60	60
Sound power	db(A)	68	68	68	68	71	68	68	68	71	71	71
Electrical power supply	V-Ph-Hz	230V~50Hz						400V-3N-50Hz				
DIMENSION												
L	(mm)	900	900	900	900	900	900	900	900	900	900	900
H	(mm)	640	640	940	940	1240	640	940	940	1240	1240	1390
P	(mm)	580	580	580	580	580	580	580	580	580	580	630

The data refer to

1 Evaporator water (in/out) 12/7°C, condenser air (in) 35°C, based on Eurovent standard

2 Noise level measured at 1 m in open field conditions

Dimension

