



1.4 to 3.7 kW



1.9 to 4.4 kW



The chilled water wall mounted units offer several advantages for air-conditioning applications in residential and small service sectors :

- Very compact line,
- Esthetic that blends in with the decor,
- Reduced noise level,
- Infrared remote control with liquid crystal display (for 2-pipe version without control valve),
- Front grille easily removable for cleaning,
- Discharge diffuser manually adjustable.

WSW

> Design features <

Presentation

These units are available in 4 versions :

- 2-pipe version,
- Reversible 2-pipe version,
- 2-pipe/2-wire version (models 7BE & 18BE),
- Reversible 2-pipe version + extra electric heating (models 7BE & 18BE).

All the chilled water wall mounted units have been designed for a great ease of maintenance thanks to the removable front grille allowing a full access to internal components.

Coil

Consists of Ø 5/16" copper tubes and aluminium louvered fins with hydrophilic coating.

Filter

Synthetic cleanable air filter accessible after opening the front grille.

Ventilation

Tangential wheel consists of fan fins aligned to obtain a perfect corkscrew profile, enabling a greater air volume to be treated with a minimum noise level.

Single phase motor, direct drive type, provided with 3 ventilation speeds and equipped with internal thermal protection.

Supply voltage : 230 V/1 ph/50 Hz + Ground.

Options available

Electric heaters for models 7BE and 18BE

Composed of heating elements located inside the tubes of heat exchanger and is thermally protected against abnormal rises in temperature by a manually reset thermostat.

Supply voltage : 230 V/1 ph/50 Hz + Ground.

Control valves

Motorized 2 or 3-way valve (factory installed option).

Controls

- TRM-VP (kit) for version with control valve,
- TRM-FA (kit) for version with or without control valve.

TRM-FA
TRM-VP



- TAE 20 + SEH (kit) for version with control valve and with or without electric heating.

TAE 20



- Infrared remote control with liquid crystal display.

IR remote control



- Aqu@Simp electronic controller for version with or without control valve.

Aqu@Simp



- Aqu@Net for version with or without control valve and with or without electric heating.

Aqu@Net



RCL remote control

FCC controller



3 sizes
2 versions with electric heater

1.4 to 3.7 kW
1.9 to 4.4 kW

> Technical data <

MODELS		7 BE	7	9	18 BE	18
Nominal cooling capacity (1)	W	1420	1800	2100	2940	3660
Nominal heating capacity (2)	W	1990	2520	3070	3905	4430
AIR VOLUME						
High speed	m ³ /h	345	345	435	873	873
Medium speed	m ³ /h	292	292	400	753	753
Low speed	m ³ /h	255	255	333	603	603
Nominal power supply		230 V / 1 ph / 50 Hz				
ABSORBED POWER						
Fan	W	17	17	38	45	45
Water connections (gas male type)	inch	Ø1/2"	Ø1/2"	Ø1/2"	Ø3/4"	Ø3/4"
Condensate outlet	mm	Ø13	Ø13	Ø13	Ø13	Ø13
DIMENSIONS						
L x P x H	mm	815 x 160 x 270			1115 x 195 x 330	
Weight	kg	8	8	9,5	14	14

(1) Nominal conditions : Air : 27 °C/19 °C (high speed nominal air volume) - Water : 7 °C/12 °C.

(2) Nominal conditions : Air : 20 °C (high speed nominal air volume) - Water : 50 °C/40 °C.

> Electrical data <

MODELS		7 BE	7	9	18 BE	18
Nominal current	A	4.40	0.08	0.09	7.12	0.2
Maximum current	A	5.00	0.12	0.135	8.65	0.27
Fuse rating aM	A	6	1	1	10	1
Fuse rating ASE/VDE	A	6	2	2	10	2
Cable section	mm ²	3 x 1.5	3 x 1.5	3 x 1.5	3 x 1.5	3 x 1.5
Electric heater capacity	W	1050	-	-	1600	-

> Sound power levels <

MODELS		7			9			18		
		Lw global	Lp* global	NR	Lw global	Lp* global	NR	Lw global	Lp* global	NR
High speed	dBA	46	38	35	50	42	40	58	50	47
Medium speed	dBA	43	35	32	48	40	37	53	45	41
Low speed	dBA	41	33	29	45	37	34	51	43	39

(*) The sound pressure levels Lp are based on (NR) characteristic of a room having volume of 100 m³ with reverberation time of 0.5 seconds.

> Entering water temperature limit <

		Minimum	Maximum
Temperature	°C	5	50

> Cooling capacities <

Models				7 BE			7			9			18 BE			18		
Water in/out	Entering air temperature			Air flow (m³/h)			Air flow (m³/h)			Air flow (m³/h)			Air flow (m³/h)			Air flow (m³/h)		
				LS	MS	HS	LS	MS	HS	LS	MS	HS	LS	MS	HS	LS	MS	HS
				255	292	345	255	292	345	333	400	435	603	753	873	603	753	873
6 / 11 °C	27°C	Total cap.	kW	1.3	1.49	1.58	1.57	1.76	2.01	1.89	2.19	2.34	2.62	2.086	3.332	3.095	3.75	4.116
	47%	Sensible cap.	kW	0.98	1.13	1.21	1.18	1.33	1.54	1.44	1.68	1.82	1.956	2.287	2.481	2.379	2.876	3.284
	25°C	Total cap.	kW	1.12	1.29	1.37	0.98	1.44	1.65	1.54	1.8	1.93	2.127	2.516	2.719	2.548	3.094	3.392
	50%	Sensible cap.	kW	0.85	1.00	1.06	0.86	1.17	1.35	1.26	1.48	1.6	1.675	1.958	2.133	2.054	2.488	2.845
	23°C	Total cap.	kW	0.72	0.8	0.83	0.83	0.89	0.97	0.92	1.44	1.54	1.643	1.84	1.996	2.021	2.331	2.56
	50%	Sensible cap.	kW	0.67	0.77	0.8	0.78	0.87	0.96	0.91	1.26	1.36	1.471	1.668	1.824	1.83	2.162	2.49
7 / 12 °C	27°C	Total cap.	kW	1.16	1.34	1.42	1.4	1.58	1.8	1.68	1.96	2.1	2.309	2.721	2.936	2.754	3.34	3.66
	47%	Sensible cap.	kW	0.92	1.06	1.13	1.11	1.26	1.44	1.35	1.59	1.71	1.823	2.126	2.313	2.231	2.698	3.09
	25°C	Total cap.	kW	0.8	1.13	1.21	0.89	0.97	1.52	1.37	1.61	1.73	1.841	2.181	2.358	2.235	2.714	2.977
	50%	Sensible cap.	kW	0.71	0.92	0.98	0.82	0.91	1.24	1.16	1.37	1.47	1.554	1.813	1.978	1.923	2.323	2.674
	23°C	Total cap.	kW	0.78	1.17	1.25	0.75	0.81	0.89	0.84	0.93	1.37	1.484	1.663	1.753	1.826	2.099	2.255
	50%	Sensible cap.	kW	0.65	1.00	1.06	0.74	0.8	0.89	0.84	0.93	1.26	1.401	1.593	1.72	1.74	2.061	2.255
8 / 13 °C	27°C	Total cap.	kW	0.72	0.81	1.04	0.96	1.4	1.61	1.5	1.75	1.88	2.023	2.386	2.574	2.437	2.957	3.242
	47%	Sensible cap.	kW	0.67	0.76	0.91	0.88	1.17	1.34	1.25	1.47	1.59	1.703	1.982	2.159	2.098	2.539	2.921
	25°C	Total cap.	kW	0.58	0.66	0.69	0.81	0.88	0.96	0.91	1.44	1.54	1.64	1.89	2.044	2.017	2.376	2.609
	50%	Sensible cap.	kW	0.58	0.66	0.69	0.79	0.87	0.96	0.91	1.27	1.39	1.47	1.693	1.847	1.829	2.184	2.523
	23°C	Total cap.	kW	0.69	0.77	0.98	0.68	0.74	0.81	0.77	0.86	0.9	1.341	1.509	1.595	1.65	1.906	2.044
	50%	Sensible cap.	kW	0.68	0.77	0.92	0.68	0.74	0.81	0.77	0.86	0.9	1.341	1.509	1.595	1.65	1.906	2.044
10 / 15 °C	27°C	Total cap.	kW	0.58	0.66	0.69	0.8	0.87	1.29	1.2	1.41	1.54	1.585	1.846	1.997	1.949	2.321	2.552
	47%	Sensible cap.	kW	0.58	0.66	0.69	0.79	0.87	1.18	1.09	1.3	1.4	1.528	1.766	1.932	1.903	2.282	2.552
	25°C	Total cap.	kW	0.55	0.6	0.63	0.68	0.74	0.81	0.77	0.86	1.19	1.338	1.507	1.594	1.645	1.902	2.041
	50%	Sensible cap.	kW	0.55	0.6	0.63	0.68	0.74	0.81	0.77	0.86	1.18	1.338	1.507	1.594	1.645	1.902	2.041
	23°C	Total cap.	kW	0.48	0.54	0.57	0.57	0.61	0.67	0.64	0.7	0.73	1.102	1.243	1.315	1.355	1.571	1.636
	50%	Sensible cap.	kW	0.48	0.54	0.57	0.57	0.61	0.67	0.64	0.7	0.73	1.102	1.243	1.315	1.355	1.571	1.636

> Heating capacities <

Models				7 BE			7			9			18 BE			18		
Water in/out	Entering air temperature			Air flow (m³/h)			Air flow (m³/h)			Air flow (m³/h)			Air flow (m³/h)			Air flow (m³/h)		
				LS	MS	HS	LS	MS	HS	LS	MS	HS	LS	MS	HS	LS	MS	HS
				255	292	345	255	292	345	333	400	435	658	774	857	658	774	857
40 / 30 °C	19°C	Heating cap.	kW	0.87	0.95	0.99	0.93	1.01	1.10	1.08	1.60	1.74	1.684	1.925	2.041	2.062	2.236	2.348
	20°C	Heating cap.	kW	0.81	0.88	0.92	0.86	0.93	1.00	1.00	1.10	1.15	1.565	1.787	1.863	1.922	2.077	2.179
	21°C	Heating cap.	kW	0.74	0.82	0.85	0.79	0.86	0.93	0.91	1.00	1.05	1.444	1.648	1.718	1.777	1.918	2.01
45 / 35 °C	19°C	Heating cap.	kW	1.37	1.55	1.63	1.59	1.80	2.06	1.99	2.32	2.50	2.452	2.933	3.111	2.958	3.289	3.518
	20°C	Heating cap.	kW	1.28	1.46	1.53	1.49	1.68	1.93	1.87	2.19	2.36	2.296	2.752	2.919	2.776	3.086	3.297
	21°C	Heating cap.	kW	1.21	1.37	1.45	1.00	1.58	1.81	1.76	2.05	2.21	2.142	2.568	2.724	2.589	2.879	3.076
50 / 40 °C	19°C	Heating cap.	kW	1.74	1.98	2.08	2.05	2.30	2.63	2.55	2.98	3.21	3.239	3.856	4.091	3.896	4.34	4.642
	20°C	Heating cap.	kW	1.67	1.88	1.99	1.95	2.20	2.52	2.44	2.85	3.07	3.091	3.683	3.905	3.719	4.141	4.431
	21°C	Heating cap.	kW	1.59	1.80	1.90	1.87	2.10	2.40	2.33	2.72	2.93	2.942	3.505	3.719	3.541	3.94	4.216

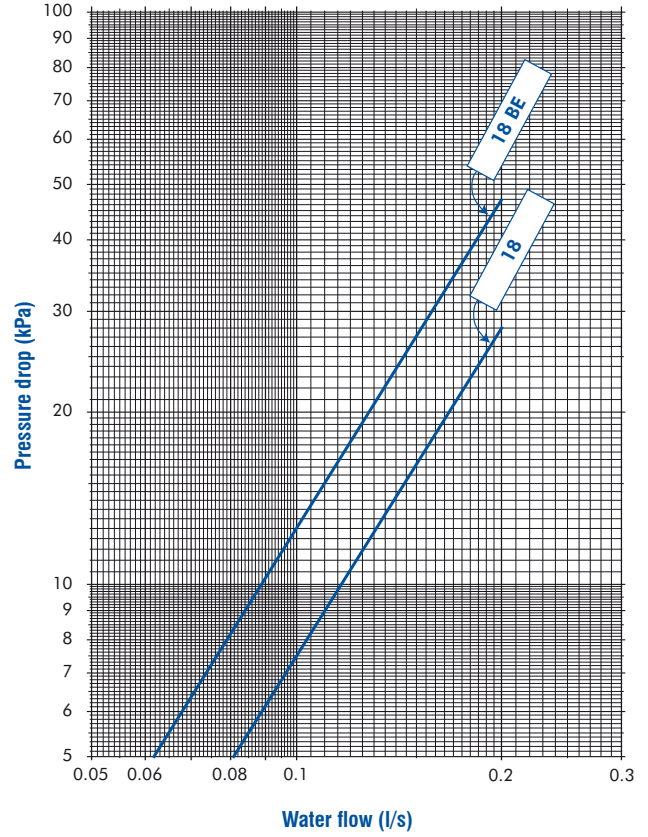
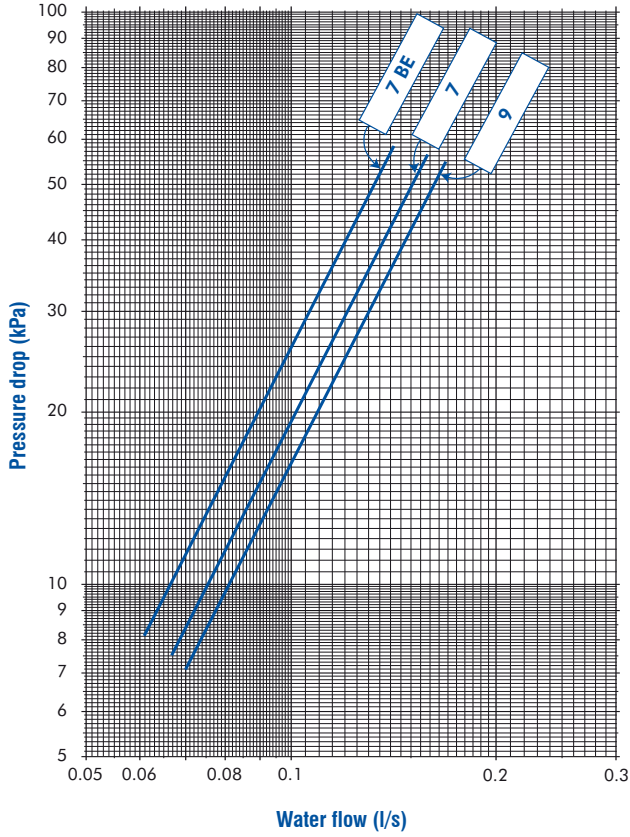


3 sizes
2 versions with electric heater

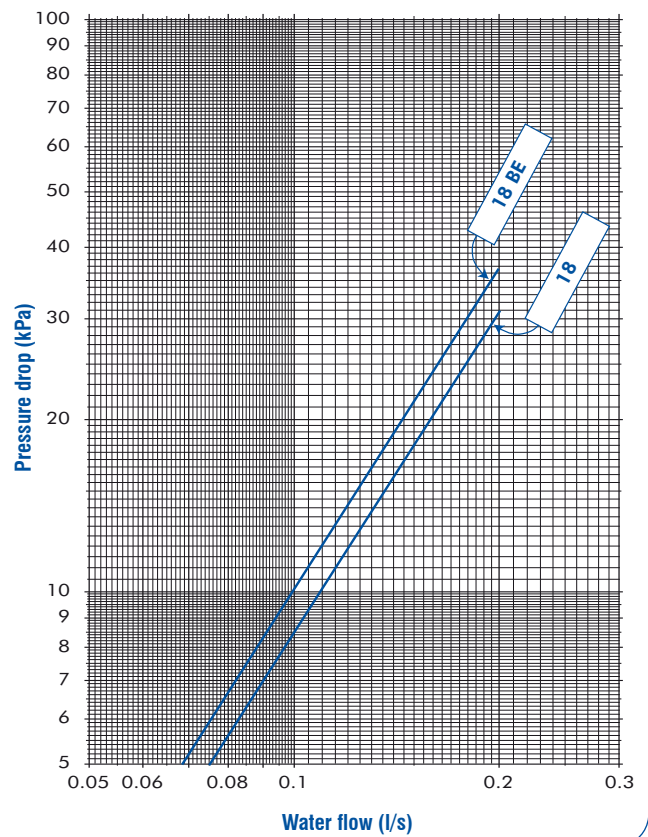
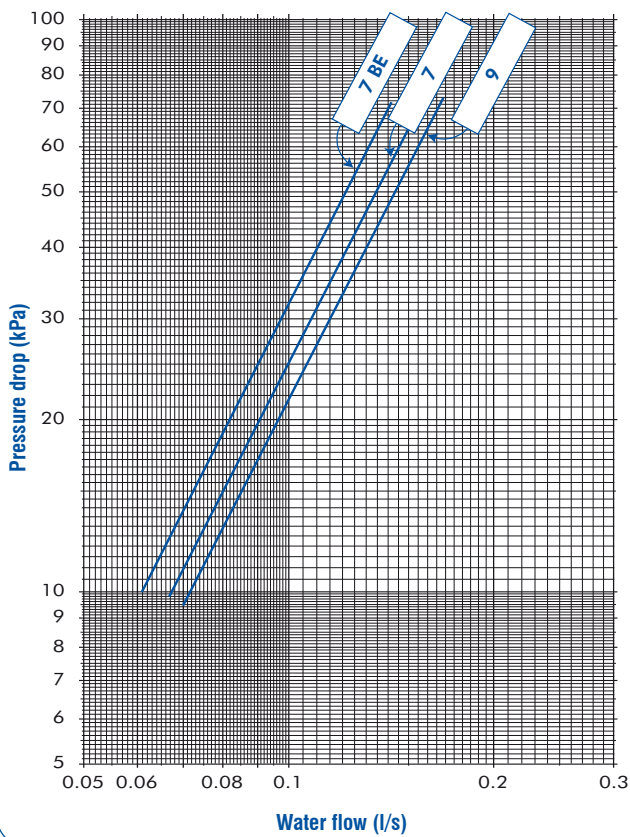
1.4 to 3.7 kW
1.9 to 4.4 kW

> Water pressure drops <

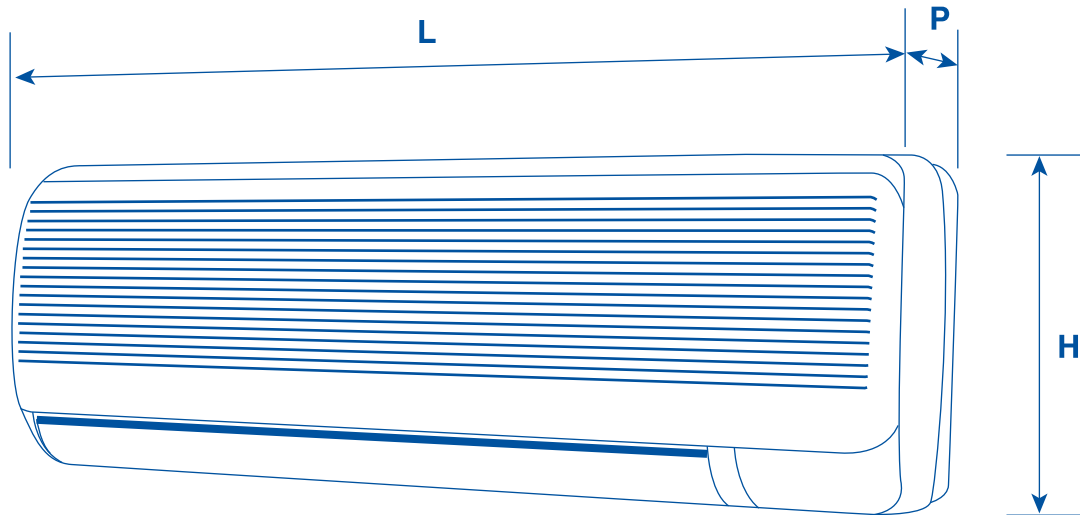
Without control valve



With control valve



> Dimensional data <



Sizes	L	P	H
7BE	815	160	270
7	815	160	270
9	815	160	270
18BE	1115	195	330
18	1115	195	330

Dimensions in mm.