



- Close control unit
- Water
- EMICON

## EMIBYTE close control unit chilled water type WU

Computer room airconditioner with chilled water coil for serverrooms. Cold water coil with copper pipes and aluminum fins with hydrophilic bluefin coating for reduced static back pressure. Optional humidifier and dehumidifier for precise temperature and humidity control. Particularly suitable for precision air conditioning in server rooms and IT rooms and all technological applications in general. The unit is equipped with EC inverter fans, upflow or downflow, and is fitted with a 3-way modulating valve and an actuator. The unit must be connected to an external chiller. As an option, it is possible to add a hot water coil for heating.

### Brand

- EMICON

### Application

- Server rooms
- Archives
- Telecom

### Composition

- Galvanized steel frame
- Touch screen display 4,3"
- EC centrifugal fan with backward curved blades
- LAN connection
- Cold water coil with blue-fin coating
- 3-way valve
- Condensate tray
- Long-life G4 filter
- Microprocessor

### Versions

- D - Down flow air supply
- U - Up flow air supply
- F - Front flow air supply
- B - Up flow air supply, rear flow air return

### Accessories

- Adjustable frame **B**
- Dehumidification control **DH**
- Humidifier **H**
- Hot water coil **BC**
- Three-phase network without neutral **MN**
- Condensate pump **PB**
- Condensate pump for humidifier **PBH**
- Wired controller with touch screen
- Electrical resistance **RE** or **REM**

Specifications												
WU		80	150	190	250	310	440	550	640	700	840	960
Cooling capacity (24°C - 50% RH)	kW	6.3	10.1	13	16.7	20.9	29.6	37	42.9	48	55.3	63.2
Sensible cooling capacity (24°C - 50% RH)	kW	5.8	8.6	10.6	14.2	16.8	24.9	29.8	35.2	38.4	47.4	51.6
Absorbed nominal power	kW	0.3	0.3	0.4	0.6	0.7	0.9	1.1	1.2	1.2	1.7	1.9
Maximum absorbed current	A											8.32
Water flow rate	m <sup>3</sup> /h	1.1	1.7	2.2	2.9	3.6	5.1	6.4	7.4	8.3	9.5	10.9
Hydraulic internal counter pressure	Pa	32	20	28	41	31	31	31	34	40	34	41
Electric power		3 x 400 V + N 50 Hz										
Weight	kg	139	143	148	173	179	237	248	312	318	360	366
Dimensions L x W x H	mm	550 x 550 x 1980	550 x 550 x 1980	550 x 550 x 1980	750 x 550 x 1980	750 x 550 x 1980	980 x 750 x 1980	980 x 750 x 1980	1160 x 850 x 1980	1160 x 850 x 1980	1505 x 850 x 1980	1505 x 850 x 1980
Air flow rate	m <sup>3</sup> /h	2550	2550	2550	4100	4100	7200	7200	9100	9100	13400	13400
Maximum static pressure of fan	Pa	563	517	480	445	405	570	522	349	337	338	308
Nominal steam capacity of humidifier (optional)	kg/h	1.5	1.5	1.5	3	3	5	5	8	8	8	8
Electric resistance RE (optional)	kW	3	3	3	4.5	4.5	6	6	9	9	9	9
Electric resistance REM (optional)	kW	4.5	4.5	4.5	6	6	9	9	12	12	12	12
Water heating coil (optional)	kW	4.9	4.9	4.9	7.3	7.3	10.67	10.67	16.7	16.7	24.5	24.5

Specifications												
WU		1050	1300	1450	1600	1710	1900	2100	2300	2500	3200	
Cooling capacity (24°C - 50% RH)	kW	68.9	88.2	95.2	106.9	115.4	126.2	140.1	157.5	169.1	216.5	
Sensible cooling capacity (24°C - 50% RH)	kW	55.4	70.4	77.6	85.2	93.9	100.7	114.3	125.6	138.6	176.5	
Absorbed nominal power	kW	2	2.2	2.7	2.9	3.1	3.3	3.5	3.8	5.2	5.4	
Maximum absorbed current	A	8.28	8.14	12.54	12.48	16.76	16.68					
Water flow rate	m <sup>3</sup> /h	11.9	15.2	16.4	18.4	19.8	21.7	24.1	27.1	29.1	37.2	
Hydraulic internal counter pressure	Pa	42	35	40	43	47	50	37	40	33	52	
Electric power		3 x 400 V + N 50 Hz										
Weight	kg	373	456	503	520	600	617	715	751	775	959	
Dimensions L x W x H	mm	1505 x 850 x 1980	1860 x 850 x 1980	2210 x 850 x 1980	2210 x 850 x 1980	2565 x 850 x 1980	2565 x 850 x 1980	3100 x 850 x 1980	3100 x 850 x 1980	2565 x 850 x 1980	3100 x 850 x 1980	
Air flow rate	m <sup>3</sup> /h	13400	16600	20100	20100	23800	23800	29500	29500	33000	41000	
Maximum static pressure of fan	Pa	291	369	277	293	371	366	398	413	150	318	
Nominal steam capacity of humidifier (optional)	kg/h	8	8	8	8	8	8	8	8	15	15	
Electric resistance RE (optional)	kW	9	15	18	18	24	24	27	27	22.2	29.6	
Electric resistance REM (optional)	kW	12	18	24	24	27	27	36	36	-	-	
Warm water coil (optional)	kW	24.5	31.1	37.4	37.4	48.9	48.9	60.8	60.8	81.3	101.37	

Values given at water regime 7/12°C.

### Prices

Detailed selection / quotation available on request