

Wall mounted fan coils with EC motor

IDROWALL-I IDROWALL-I/V3

Cooling capacity 2,0÷6,1 kW
Heating capacity 2,9÷8,0 kW

Consumption reduced by 50% compared to the traditional motor

Version with and without on-board 3-way ON/OFF valve

Integrated master/slave function and serial interface

Remote control included

2 new models with valve and fan inputs (0-10Vdc) for external thermostat

Tax incentives*



Features



Wall mounted fan coils.

Construction features

- Heat exchanger: finned coil.
- Fan: tangential with Inverter Brushless EC motor with continuous speed adjustment.
- Baffle: motorised with different positions.
- Structure: made of heat-resistant ABS polymer, RAL 9003 colour, complete with a regenerable polypropylene filter, adjustable fins and a natural condensate drain pan.
- Control: microprocessor electronic control.

Adjustment functions: full auto (Idrowall-I/V3), cool, dry, fan, autofan, heat.

Comfort functions: orienting, swing, timer, sleep, hot start, memory.

Remote control supplied as standard.

Resident RS485 serial interface.

>IDROWALL-I – Unit complete with backlit temperature

display; digital output for mandatory ON/OFF valve control (not supplied) to be installed upstream of the unit; master-slave management of up to 10 units in total, with KPI panel.

>IDROWALL-I/V3 – Unit fitted with 3-way ON/OFF diverter valve, fitted on board; master-slave management of up to 64 units in total; centralised management with KWPCI panel of up to 64 units in total; SYS-TO compatible. Valve and fan inputs (0-10Vdc) for external thermostat (models 51-61 only)

Separately supplied accessories

- KVAM – Wall mounted recessed box.

>IDROWALL-I/V3

- KV2V – 2-way ON/OFF valve accessory. Assembled on board by the installer.

- K2TF – Accessory for valve use externally to the unit.
Assembled by the installer.

Controls supplied separately

>IDROWALL-I

- KPI - Electronic panel flush with display semi-recessed in the wall.

>IDROWALL-I/V3

- KWPI - Electronic panel for wall mounting installation.
- KWPCI - Centralised electronic panel for wall mounting installation Power supply V230-1-50.

Technical data

				IDROWALL-I	IDROWALL-I	IDROWALL-I	IDROWALL-I	IDROWALL-I/V3	IDROWALL-I/V3	IDROWALL-I/V3	IDROWALL-I/V3
				20	25	35	45	21	31	41	51
❶ Total cooling capacity [EN1397]	MAX	kW	E	2,20	2,70	3,60	4,30	1,99	2,95	3,50	5,13
	MED	kW	E	1,55	1,90	2,50	3,00	1,63	2,14	2,45	3,62
	MIN	kW	E	1,25	1,35	1,90	2,30	1,32	1,89	1,89	2,36
❷ Heating capacity (45°C) [EN1397]	MAX	kW	E	2,40	2,90	3,90	4,70	2,68	4,20	4,45	5,72
	MED	kW	E	1,70	2,20	2,70	3,40	2,02	3,04	3,63	4,06
	MIN	kW	E	1,40	1,55	2,00	2,50	1,45	2,61	2,61	3,01
❸ Heating capacity (50°C)	MAX	kW	E	2,86	3,48	4,77	5,82	3,05	4,78	5,14	6,84
	MED	kW	E	1,93	2,38	3,14	3,99	2,34	3,46	4,11	4,68
	MIN	kW	E	1,68	1,65	2,23	2,79	1,72	2,98	2,98	3,56
Air flow speed	MAX	m³/h		340	510	680	850	556	722	814	1058
	MED	m³/h		255	382	510	637	413	473	581	736
	MIN	m³/h		170	255	340	425	295	396	396	471
Sound power	MAX	dB(A)	E	48	52	59	62	52	55	59	56
	MED	dB(A)	E	39	44	51	53	43	46	51	50
	MIN	dB(A)	E	37	38	43	45	34	42	42	42
❹ Sound pressure	MAX	dB(A)		39	43	50	53	43	46	50	47
	MED	dB(A)		30	35	42	44	34	37	42	41
	MIN	dB(A)		28	29	34	36	25	33	33	33
Absorbed power	MAX	W	E	12	18	29	43	22	27	38	37
	MED	W	E	9	11	16	20	14	15	19	18
	MIN	W	E	8	8	11	12	11	12	12	15
Electrical supply	V-ph-Hz			230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
DIMENSIONS AND WEIGHTS				20	25	35	45	21	31	41	51
L – Width	mm			845	845	845	970	795	990	990	1200
H – Height	mm			289	289	289	300	290	290	290	341
P – Depth	mm			209	209	209	224	230	230	230	250
Weight	kg			10,5	10,5	10,5	12,5	9,3	11,6	11,6	17,6

				IDROWALL-I/V3							
				61							
❶ Total cooling capacity [EN1397]				MAX		kW		E		6,05	
				MED		kW		E		4,35	
				MIN		kW		E		2,36	
❷ Heating capacity (45°C) [EN1397]				MAX		kW		E		6,84	
				MED		kW		E		4,99	
				MIN		kW		E		3,01	
❸ Heating capacity (50°C)				MAX		kW		E		8,00	
				MED		kW		E		5,76	
				MIN		kW		E		3,56	
Air flow speed				MAX		m³/h				1311	
				MED		m³/h				896	
				MIN		m³/h				471	
Sound power				MAX		dB(A)		E		60	
				MED		dB(A)		E		52	
				MIN		dB(A)		E		42	
❹ Sound pressure				MAX		dB(A)				51	
				MED		dB(A)				43	
				MIN		dB(A)				33	
Absorbed power				MAX		W		E		57	
				MED		W		E		26	
				MIN		W		E		15	
Electrical supply						V-ph-Hz				230-1-50	
DIMENSIONS AND WEIGHTS				61							
L – Width						mm				1200	
H – Height						mm				341	
P – Depth						mm				250	
Weight						kg				17,6	

Data at the following conditions:

- ❶ Air: 27°C D.B.; 19°C W.B. – Water: 7/12°C.
- ❷ Air: 20°C – Water: 45/40°C.
- ❸ Air: 20°C – Water: 50°C, flow rate as in cooling.
- ❹ For room volume equal to 100 m³ and reverberation time = 0.5 sec.
- E Eurovent certificate performance.
- ❺ Air: 20°C – Water: 70/60°C.
- ❻ For room volume equal to 100 m³ and reverberation time = 0.5 sec.
- E Eurovent certificate performance.



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