

ferrolì



Jolly Fly / Jolly Style

Wall-mounted fan coil / Ultra-slim fan coil



Jolly Fly

Elegance and Class

MOVING FORWARD TOGETHER

The new series

Jolly Style





of Ferroli fan coils

Ferroli

ABOUT

Design

An exclusive object
with innovative lines
and extremely
compact dimensions

ABOUT

Reliability

Design and components
MADE in ITALY
to guarantee
the highest
quality

ABOUT

Efficiency

ECM motor,
brushless type with
electronic commutation
and very low consumption

ABOUT

Silence

Inverter control
which favors
low air flow rates,
reducing noise



Jolly Style

The range

4 MODELS:	10 20 30 40
COOLING CAPACITY:	from 0.4 to 3.4 kW
HEATING CAPACITY:	from 0.5 to 3.3 kW
AIR FLOW:	from 66 to 610 m ³ /h

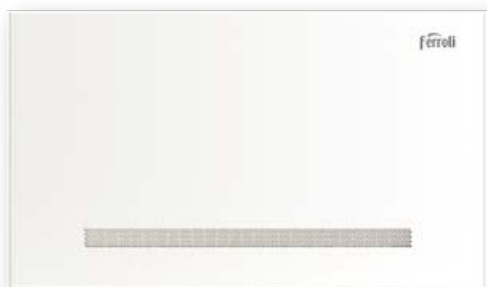
Ultra-slim tangential fan coil
with a depth of only 127 mm.

Extremely silent and efficient thanks to
the ECM brushless motor.

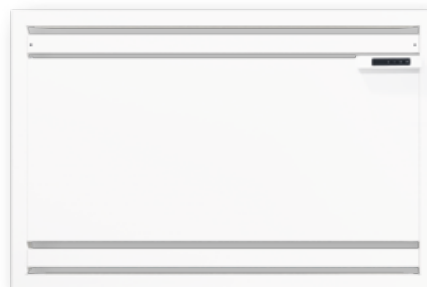
Up to 30 JOLLY STYLE fan coils can be
connected to a Master/Slave circuit.

Up to 60 units can be networked
with a modbus BMS
(not supplied).





Series **VM**
Cabinet
version



Series **VN**
Recessed
version *



ONLY
127mm
unit depth

Main features

- Electronic board with relay outputs for boiler or heat pump priority
- Condensate collecting tray
- White external structure in metal
- Control unit touch screen and LCD display
- Tangential fan
- EC motor with low consumption
- Air distribution fins adjustable in two positions
- Standard hydraulic connections on the left, also available on request with connections on the right
- Can be combined with supervision systems (BMS) and/or home automation via Modbus protocol, supporting up to 60 units
- Master/Slave system for installations of up to 30 connected fan coils

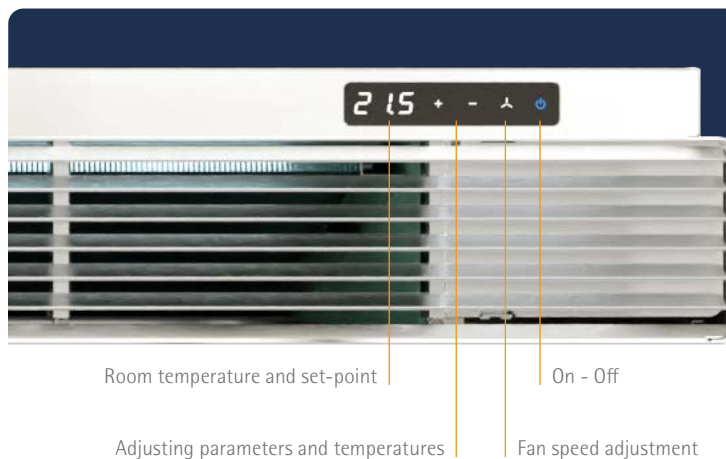


Enjoy your time



Electronic control

Electronic control JOLLY STYLE is supplied as standard complete with the electronic control board for managing the unit components, connections with remote supervision home automation device or the Master/Slave installation system.



Cabinet version of JOLLY STYLE is supplied complete with a touch screen display to manage the fan coil parameters and controlling the temperature request in the room. (* For the built-in version, display is supplied as a kit and is mandatory for running a single fan coil or a series of built-ins connected in Master-Slave).

JOLLY STYLE series does not require an additional wall thermostat.

Master/Slave

Standard electronics of JOLLY STYLE is able to manage a network, up to 30 units, with the Master/Slave system without any additional regulator. Each network must include at least one machine equipped with a display (VM version).

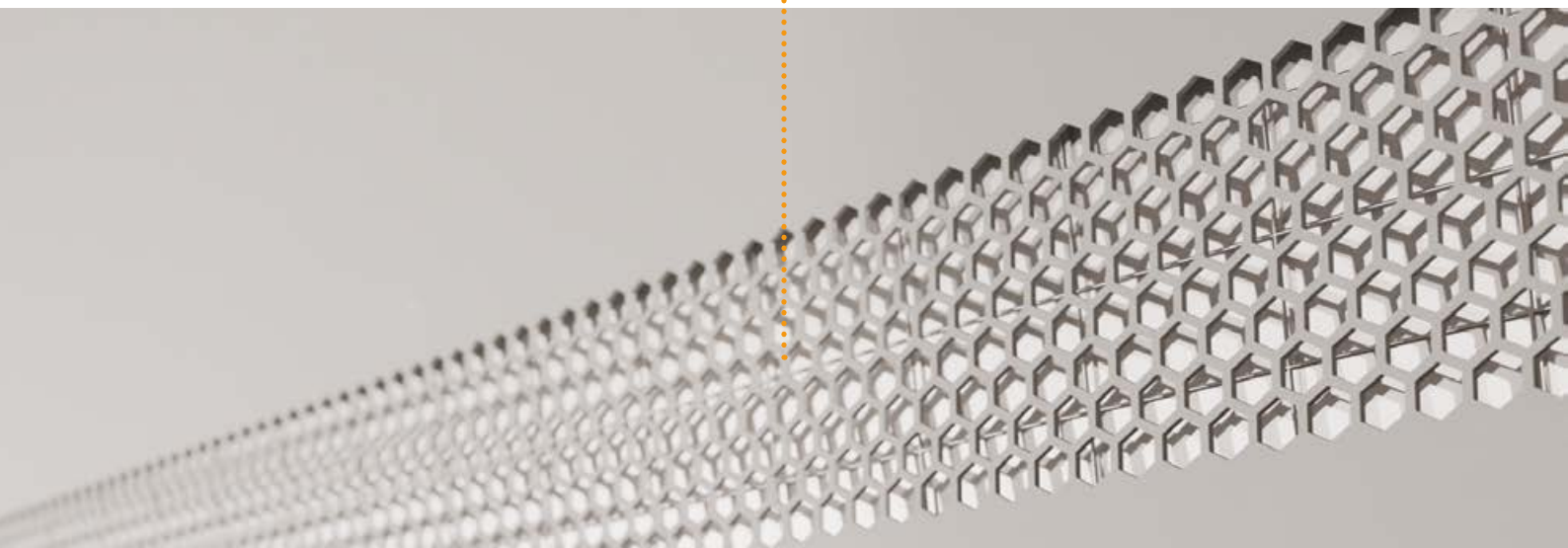


Building Manager System (BMS)

JOLLY STYLE fan coils are equipped with a Modbus port and can be individually controlled by a BMS system up to a maximum of 60 units.

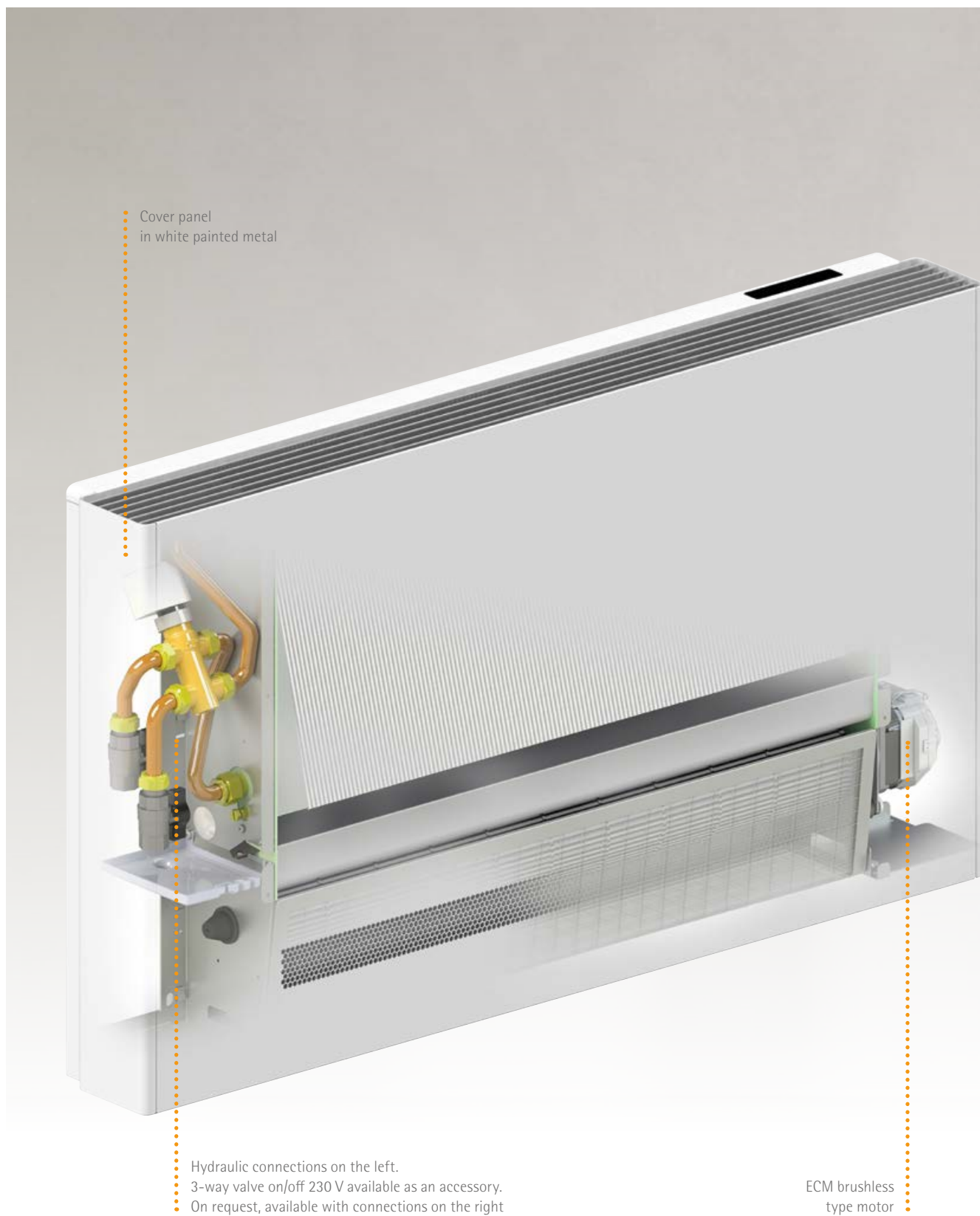


Double air intake for better flow stability and quieter operation



The air distribution fins, in anodized aluminum, can be easily rotated to obtain the air flow towards the wall or towards the room





Cover panel
in white painted metal

Hydraulic connections on the left.
3-way valve on/off 230 V available as an accessory.
On request, available with connections on the right

ECM brushless
type motor





Jolly Fly

The range

3 MODELS:	10 30 45
COOLING CAPACITY:	from 0.8 to 3.8 kW
HEATING CAPACITY:	from 0.8 to 4.3 kW
AIR FLOW:	from 133 to 778 m ³ /h

Wall-mounted terminal units, with an elegant aesthetic and a minimal design in line with current aesthetic trends.

Made with high-quality materials and components to guarantee efficiency, silence and durability over time.

Prepared to be combined with a boiler, a heat pump or a chiller to satisfy comfort requirements in all seasons.

The on board electronic control allows the installation in a network of up to 30 fan coils with Master/Slave connections and logic and up to 60 units with modbus network and BMS supervision systems.



COMPACT
DESIGN
185mm
unit depth



Main features

- Supplied as standard with:
 - > Infrared remote control for temperature adjustment and unit settings
 - > 3-way on/off valve 230V
- Front panel in white painted metal
- Tangential fan and aluminum air output blades
- EC motor with low consumption
- Condensate collecting tray
- Hydraulic connections on the left
- Can be combined with supervision systems (BMS) and/or home automation via Modbus protocol, supporting up to 60 units
- Master/Slave system for installations of up to 30 connected fan coils



Peaceful — harmony

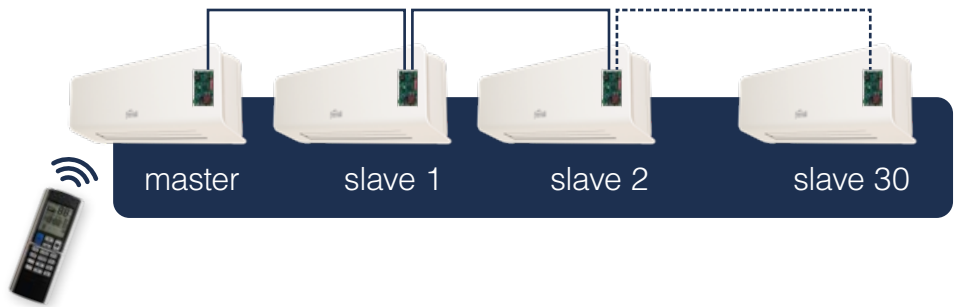


Building Manager System (BMS)

Via Modbus port it is possible to remotely monitor a single fan coil unit or a network of up to 60 units to a BMS remote monitoring system.

Master/Slave

Standard electronics of JOLLY FLY is able to manage a network, up to 30 units, with the Master/Slave system without any additional regulator.



Electronic control

JOLLY FLY is supplied as standard complete with the electronic control board for managing the unit components, the display board and connections with remote supervision and/or home automation systems.

Remote control

With the infrared remote control (supplied as standard) you can perform all adjustments, programming and set-point temperatures.

COOL Operation in cooling mode

DRY Operation in dehumidification mode

HEAT Operation in heating mode

AUTO Automatic switching to cooling or heating mode depending on the water inlet temperature

FAN Operation in ventilation mode

TEMPERATURE SETTING Temperature can be set in range 16°C - 30°C



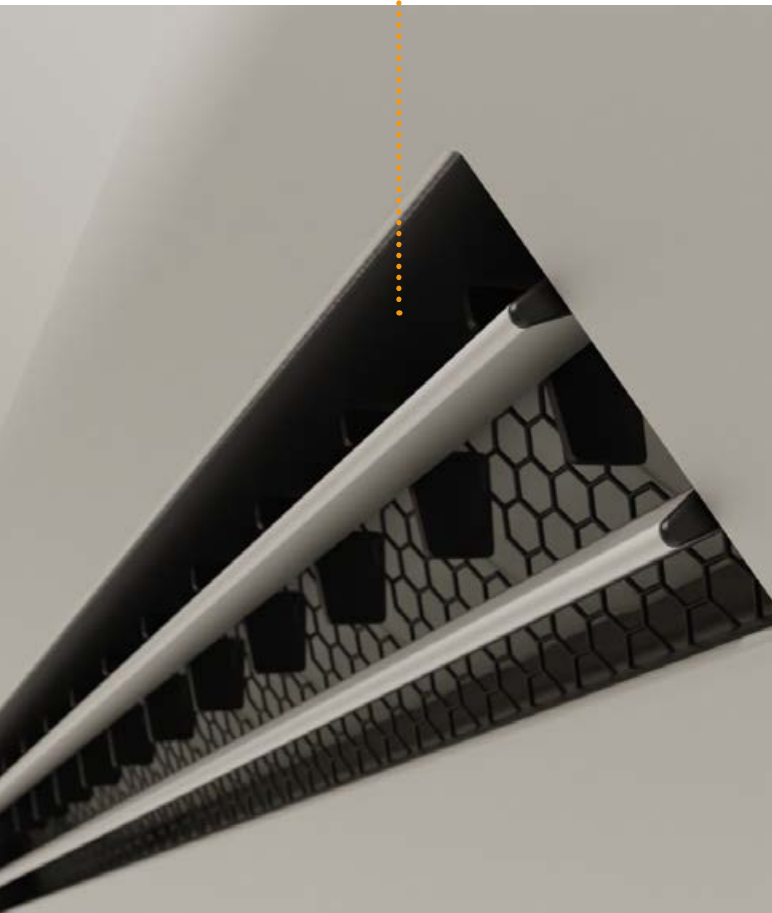


Front panel in white painted steel

Infrared receiver for remote control

Adjustable air deflectors with assisted movement, in anodized aluminum

ABS side profiles





- 3-way valve supplied as standard already mounted.
- Hydraulic connections on systems with predisposition only from the left side.
- For systems with external pipes it is necessary to mount the spacer (accessory) that allows you to reach the unit from both right and left side

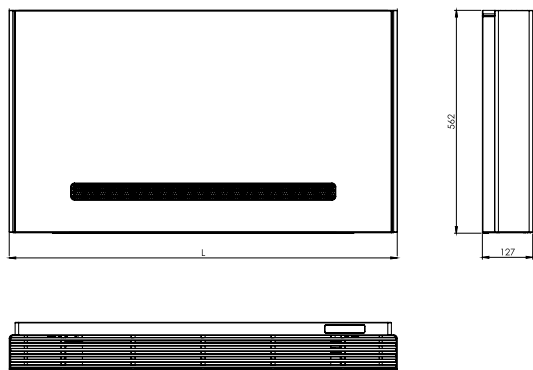
Electrical
connections



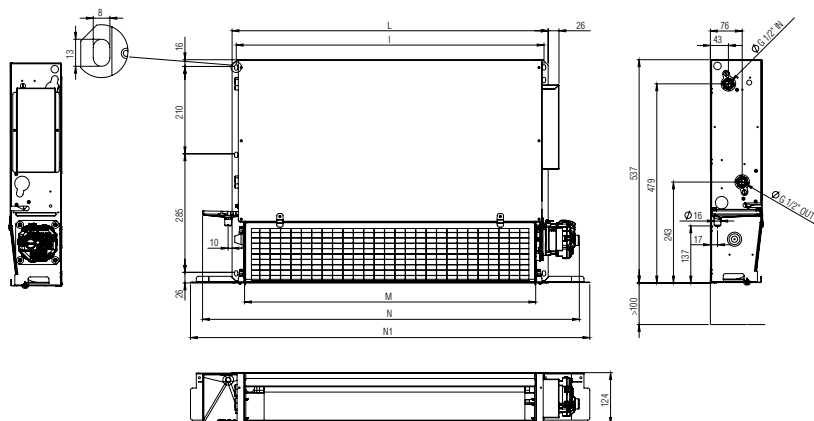
JOLLY STYLE

Dimensional drawings / Technical data table

VM version

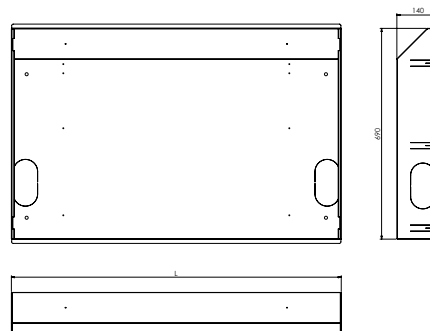


VN version

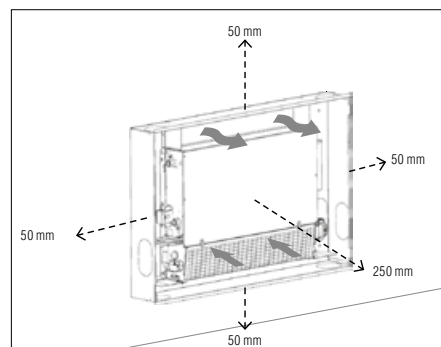
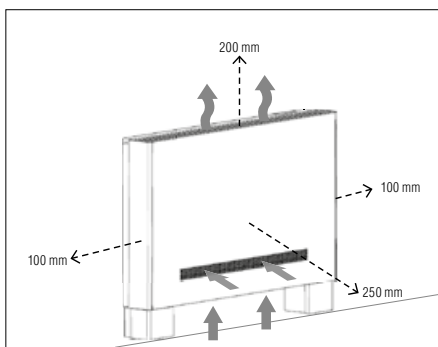
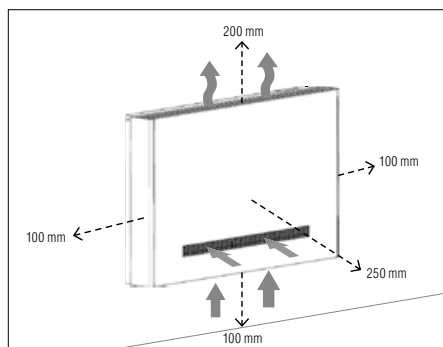


Installation formwork for vertical installations

JOLLY STYLE			10	20	30	40
Length	L (VM version)	mm	580	780	980	1180
	L (VN version)	mm	360	560	760	960
	M	mm	300	500	700	900
	N	mm	460	660	860	1060
	N1	mm	560	760	960	1160
	N2	mm	510	710	910	1110



Choice of location and minimum distances for installation



NOTE TABLE ON THE RIGHT

(1): The test for detecting the sound power level was conducted in accordance with the EN 16583:2015 standard.

(2): Considered 8.6 dB(A) lower compared to the sound power in a 90 m³ room with a reverberation time of 0.5 seconds.



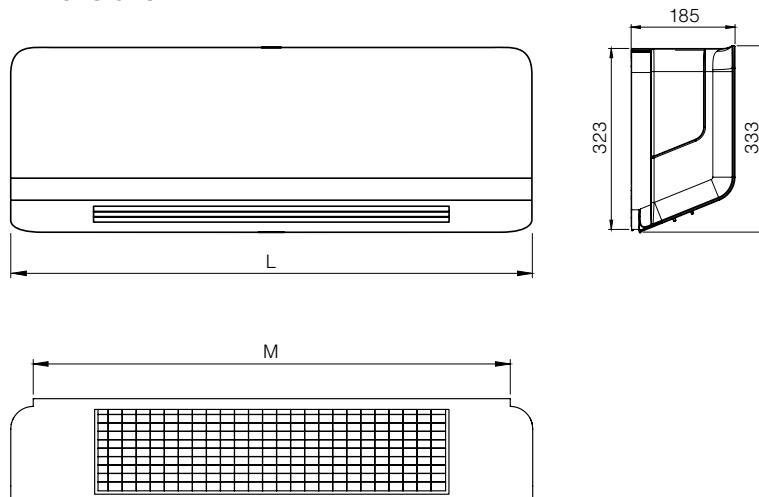
JOLLY STYLE			INDICATIVE STEPS	10	20	30	40
Power supply		V/Ph/Hz		220-240/1/50			
WATER (IN-OUT) 7°C - 12°C - ROOM AIR T 27°C D.B. 19°C W.B.							
Cooling	Total cooling capacity	W	10.0	915	2000	2789	3384
		W	7.5	829	1785	2471	2996
		W	5.0	696	1490	2042	2526
		W	3.5	592	1274	1731	2205
		W	2.0	471	1030	1380	1855
		W	1.0	381	851	1124	1605
	Water flow	l/h	10.0	157	344	480	582
		l/h	7.5	143	307	425	516
		l/h	5.0	120	256	351	434
		l/h	3.5	102	219	298	379
		l/h	2.0	81	177	237	319
		l/h	1.0	66	146	193	276
	Water pressure drop	kPa	10.0	2.5	11.5	26.2	40.6
		kPa	7.5	2.0	9.1	20.5	31.8
		kPa	5.0	1.4	6.2	13.8	22.4
		kPa	3.5	0.9	4.5	9.8	16.9
		kPa	2.0	0.5	2.8	6.1	11.9
		kPa	1.0	0.2	1.8	3.9	8.8
WATER (IN-OUT) 45°C - 40°C - ROOM AIR 20°C							
Heating	Heating capacity	W	10.0	1162	2368	3217	3828
		W	7.5	1032	2115	2954	3333
		W	5.0	872	1774	2343	2782
		W	3.5	749	1530	1951	2424
		W	2.0	600	1258	1631	2046
		W	1.0	482	1063	1494	1783
	Water flow	l/h	10.0	200	407	553	658
		l/h	7.5	178	364	508	573
		l/h	5.0	150	305	403	479
		l/h	3.5	129	263	336	417
		l/h	2.0	103	216	281	352
		l/h	1.0	83	183	257	306
	Water pressure drop	kPa	10.0	3.5	13.1	28.2	42.2
		kPa	7.5	2.7	10.3	23.7	31.8
		kPa	5.0	1.9	7.2	14.7	22.0
		kPa	3.5	1.4	5.3	10.1	16.6
		kPa	2.0	0.9	3.6	6.9	11.7
		kPa	1.0	0.6	2.4	5.8	8.8
GENERAL DATA							
Air flow	m³/h	10.0	217	395	523	610	
	m³/h	7.5	183	345	463	513	
	m³/h	5.0	146	276	353	411	
	m³/h	3.5	122	231	286	349	
	m³/h	2.0	90	181	227	279	
	m³/h	1.0	66	137	187	220	
Sound power level (1)	dB(A)	10.0	49	52	53	51	
	dB(A)	7.5	46	48	48	46	
	dB(A)	5.0	40	42	42	40	
	dB(A)	3.5	36	38	39	37	
	dB(A)	2.0	31	35	35	33	
	dB(A)	1.0	28	32	32	31	
Sound pressure level (2)	dB(A)	10.0	40	43	44	42	
	dB(A)	7.5	37	39	39	37	
	dB(A)	5.0	31	33	33	31	
	dB(A)	3.5	27	29	30	28	
	dB(A)	2.0	22	26	26	25	
	dB(A)	1.0	19	23	23	22	
Water content	l	-	0.7	1	1.4	1.7	
Max motor absorption	A	-	0.14	0.18	0.20	0.23	
Maximum water operating pressure	bar	-	8.0				
Hydraulic connections	inch	-	G 1/2				
Condensate drain	mm (Ø)	-	16.0				
Net / Gross weight	Kg	-	12 / 13	15 / 16	18 / 20	21 / 23	



JOLLY FLY

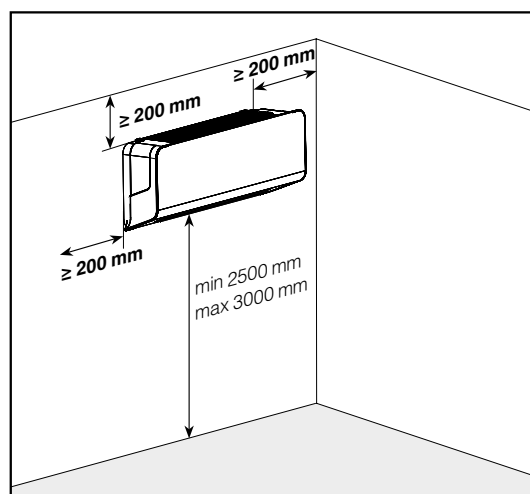
Dimensional drawings / Technical data table

Dimensions

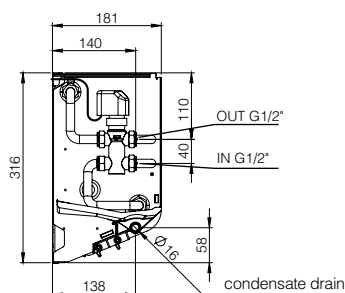


JOLLY FLY		15	30	45
Max width (L)	mm	930	930	1235
Wall support width (M)	mm	850	850	1155

Minimum distances for installation

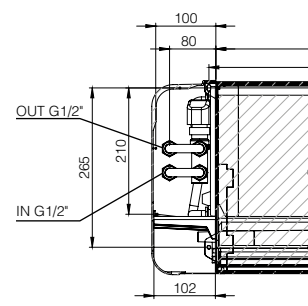


Connections views



connections lateral view

connections front view



NOTE TABLE ON THE RIGHT

(1): The test for detecting the sound power level was conducted in accordance with the EN 16583:2015 standard.

(2): Considered 8.6 dB(A) lower compared to the sound power in a 90 m³ room with a reverberation time of 0.5 seconds.



JOLLY FLY			INDICATIVE STEPS	15	30	45
Power supply		V/Ph/Hz		220-240/1/50		
WATER (IN-OUT) 7°C - 12°C - ROOM AIR 27°C D.B. 19°C W.B.						
Cooling	Total cooling capacity	W	6	1621	2520	3800
		W	5	1481	2350	3410
		W	4	1340	2270	3250
		W	3	1160	2080	2920
		W	2	965	1940	2640
		W	1	852	1510	1940
	Water flow	l/h	6	279	433	654
		l/h	5	255	404	587
		l/h	4	230	390	559
		l/h	3	199	358	502
		l/h	2	166	334	454
		l/h	1	146	260	334
	Water pressure drop	kPa	6	5.5	25.5	55.1
		kPa	5	4.4	23.7	45.5
		kPa	4	3.4	22.6	43.4
		kPa	3	2.6	19.4	35.1
		kPa	2	1.8	17.4	29.3
		kPa	1	1.4	11.5	16.9
WATER (IN-OUT) 45°C - 40°C - ROOM AIR 20°C						
Heating	Heating capacity	W	6	1814	2820	4290
		W	5	1652	2600	3790
		W	4	1480	2490	3570
		W	3	1239	2290	3140
		W	2	987	2120	2810
		W	1	853	1610	2080
	Water flow	l/h	6	314	485	738
		l/h	5	286	447	652
		l/h	4	255	428	614
		l/h	3	214	394	540
		l/h	2	171	365	483
		l/h	1	147	277	358
	Water pressure drop	kPa	6	8.2	27.1	56.8
		kPa	5	6.9	23.4	47.1
		kPa	4	5.7	20.0	41.8
		kPa	3	4.0	18.3	35.1
		kPa	2	2.6	16.0	27.9
		kPa	1	1.9	9.5	15.7
GENERAL DATA						
Air flow		m³/h	6	325	554	778
		m³/h	5	289	486	659
		m³/h	4	252	462	598
		m³/h	3	205	406	502
		m³/h	2	158	367	448
		m³/h	1	133	262	302
Sound power level (1)		dB(A)	6	40	54	55
		dB(A)	5	37	52	52
		dB(A)	4	34	51	50
		dB(A)	3	30	49	47
		dB(A)	2	27	47	45
		dB(A)	1	25	40	37
Sound pressure level (2)		dB(A)	6	31	45	46
		dB(A)	5	28	43	43
		dB(A)	4	26	42	41
		dB(A)	3	22	40	38
		dB(A)	2	18	38	36
		dB(A)	1	17	31	29
Water content	lt	-	0.8	1.1	1.6	
Max motor absorption	A	-	0.07	0.14	0.16	
Maximum water operating pressure	bar	-	8			
Hydraulic connections	inch	-	G 1/2			
Condensate drain	mm (Ø)	-	16			
Net / Gross weight	Kg	-	11.5 / 13	12 / 14	14.5 / 17	



NOTICE FOR SALES AGENTS:

In view to constantly improve its production range and customer satisfaction levels, the Company hereby specifies that aesthetic and/or dimensional features, specifications and accessories may be subject to changes.

Please place the utmost care to ensure all technical and/or sales documents (lists, catalogues, brochures, etc.) provided to the final Customer are updated according to the latest edition.

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