

Fan coils with EC motor

BRIO-I SLIM

Cooling capacity 1,0÷4,0 kW
Heating capacity 1,4÷5,5 kW

APP for control and scheduling via smartphone

Exclusive design with thin profile

Silent operation

Excellent room comfort with continuous regulation of the fan speed

Low consumption with standard EC motor

Versions with cabinet and recessed with front radiant function

Touch control

Tax incentives*



Features



Floor and ceiling fan coil units with cabinet for recessed wall or false ceiling installation.

Construction features

- Heat exchanger: finned coil with Eurokonus ¾" connections on the left; connections on the right with accessory supplied separately.
 - Tangential fan with constant speed adjustment EC electronic motor and low-consumption micro-fans in the version with radiant function.
 - Cabinet version structure: covering cabinet consisting of a painted sheet metal central panel and sides made of ABS polymer (or painted sheet metal for 4T units – 4-pipe systems), RAL9003 colour with matt finish, upper delivery grille in silver grey painted aluminium.
- Complete unit with vertical condensate drain pan and an additional one with a natural drain, a regenerable filter and fixing brackets.
- Recessed version structure: in galvanised sheet steel, complete with a vertical condensate drain pan and an additional horizontal one with a natural drain, a regenerable filter and fixing brackets.

Versions

- MVP - Vertical unit with cabinet for wall mounting installation or with feet on the ground; ceiling installation with accessory supplied separately (KVXO)
- IXP - Recessed horizontal/vertical unit for wall or false ceiling installation.
- MVR - Vertical only unit with cabinet and front radiant function, for wall mounting installation or with feet on the ground (only unit 2T).
- IVR - Vertical only recessed unit with front radiant function, for wall formwork installation (only unit 2T).

Construction set-ups

Type of unit
2T - Single main coil.
4T - Double main coil and additional (MVP and IXP versions only).

ACCESSORIES

- ➔ Cable for water connections on the right side.

- Eurokonus / Gas connection straight fitting.
- ❖ 2-way ON/OFF electrovalves for 2 and 4-pipe systems.
- ❖ 3-way ON/OFF electrovalves for 2 and 4-pipe systems.
- Condensate drain pan for horizontal installation.
- Back in view.
- Aesthetic and floor support feet.
- Formwork for recessed installation (only 2-pipe systems)
- Wall aesthetic panel for formwork, colour matt white RAL 9003.
- Ceiling aesthetic panel for formwork, colour matt white RAL 9003.
- Straight or 90° inlet fitting.
- 90° delivery fitting, insulated.
- Telescopic delivery fitting, insulated.
- Wall inlet grille made of aluminium, with straight profile.
- Wall mounted delivery nozzle made of aluminium, with a double row of adjustable fins.
- Ceiling inlet grille made of aluminium, with curved profile.
- Ceiling delivery nozzle made of aluminium, with curved profile.

CONTROLS

STANDARD controls

For on board installation

- Electronic board in combination with 3-speed thermostats
- Electronic board in combination with thermostats with 0-10V analogue output

For wall mounting installation

- Panel with room thermostat, summer/winter switch, speed switch and ON/OFF valve control.
- Electronic panel with automatic summer/winter switching for 2-pipe systems.

ADVANCED controls

- Wall mounting slim-touch control panel in glossy black or pearl white, with RS485 Modbus RTU interface.
- For installation on machine
- ❖ Touch control on board and electronic control with continuous speed modulation, with RS485 Modbus RTU interface.
- ❖ Touch control on board and 4-speed electronic control, only for 2-pipe systems.
- ❖ Electronic control with continuous speed modulation only when combined with a KPST panel, with master/slave control up to 31 controls.
- Wi-Fi gateway for Rhoss TEMA APP and on-board control.
- Wi-Fi gateway for Rhoss TEMA APP and wall panel

Key: ❖ Factory fitted

- Supplied separately

Technical data

BRIO-I SLIM – MVP-MVR-IXP-IVR				10	20	25	30	40
❶ Total cooling capacity [EN1397]	MAX	kW	E	0,98	1,81	2,87	3,31	3,94
	MED	kW	E	0,75	1,35	2,16	2,43	2,9
	MIN	kW	E	0,38	0,73	1,14	1,27	1,46
❷ Heating capacity (45°C) [EN1397]	MAX	kW	E	1,13	2,03	3,19	3,75	4,46
	MED	kW	E	0,81	1,48	2,32	2,75	3,11
	MIN	kW	E	0,57	0,75	0,92	1,48	1,79
❸ Heating capacity (50°C)	MAX	kW	E	1,39	2,46	3,89	4,51	5,43
	MED	kW	E	1,0	1,75	2,78	3,23	3,73
	MIN	kW	E	0,7	0,84	1,04	1,56	1,87
❹ Heating capacity (70°C) [EN1397]	MAX	kW		2,27	4,08	6,41	7,54	9,17
	MED	kW		1,63	2,98	4,67	5,52	6,42
	MIN	kW		1,16	1,54	1,84	2,97	3,7
❺ Heating capacity only radiant function (50°C) MVR-IVR version		kW		0,32	0,38	0,46	0,55	0,66
❻ Heating capacity only radiant function (70°C) MVR-IVR version		kW		0,54	0,67	0,78	0,92	1,08
❼ Heating capacity of additional coil (65°C) [EN1397]	MAX	kW	E	0,67	1,21	1,76	2,3	2,53
	MED	kW	E	0,56	0,97	1,27	1,81	2,05
	MIN	kW	E	0,33	0,69	0,95	1,31	1,29
❽ Heating capacity of additional coil (70°C) [EN1397]	MAX	kW	E	0,78	1,44	2,18	2,77	2,88
	MED	kW	E	0,64	1,16	1,56	2,2	2,35
	MIN	kW	E	0,37	0,81	1,13	1,59	1,48
Air flow speed	MAX	m³/h		162	320	461	576	648
	MED	m³/h		113	252	367	453	494
	MIN	m³/h		55	155	248	370	426
Sound power	MAX	dB(A)	E	50	51	52	54	54
	MED	dB(A)	E	42	43	45	46	46
	MIN	dB(A)	E	32	33	34	35	36
❾ Sound pressure	MAX	dB(A)		41	42	43	45	45
	MED	dB(A)		33	34	36	37	37
	MIN	dB(A)		23	24	25	26	27
Absorbed power	MAX	W	E	11	19	20	28	35
	MED	W	E	9	10	13	15	17
	MIN	W	E	7	7	7	8	8
Electrical supply		V-ph-Hz		230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
DIMENSIONS AND WEIGHTS				10	20	25	30	40
W – Width MVP-MVR		mm		723	923	1123	1323	1523
W – Width IXP-IVR		mm		525	725	925	1125	1325
H – Height MVP-MVR – 2T		mm		579	579	579	579	579
H – Height IXP-IVR – 2T		mm		590	590	590	590	590
H – Height MVP – 4T		mm		639	639	639	639	639
H – Height IXP – 4T		mm		650	650	650	650	650
Feet height /minimum height from floor		mm		80	80	80	80	80
D – MVP-MVR depth		mm		149	149	149	149	149
D – IXP-IVR depth		mm		126	126	126	126	126
Weight MVP-MVR – 2T / MVP- 4T		kg		17 / 18	20 / 21	23 / 25	26 / 28	29 / 32
Weight IXP-IVR – 2T / IXP – 4T		kg		9 / 10	12 / 13	15 / 17	18 / 20	21 / 24
LxHxD – KCASE – 2T formwork		mm		715x725x142	915x725x142	1115x725x142	1315x725x142	1515x725x142

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 Air: 20°C – Water: 70/60°C.
- ❺ Air: 20°C – Water: 65/55°C.
- ❻ Room volume equal to 100 m³ and reverberation time = 0.5 sec.
- ❼ Eurovent certified performance.

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