

Fan coils with EC motor

BRIO-I SLIM



Cooling capacity: 1.0÷4.0 kW - Heating capacity:
1.1÷4.6 kW

- √ **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**



Web code: BRIS1 ACFC5

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

Construction features

- Heat exchanger: finned coil with Eurokonus 3/4" 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 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, and regenerable filter.
- Recessed version structure: in galvanised sheet steel, complete with a vertical condensate drain pan and an additional horizontal one with a natural drain, and regenerable filter.

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.
- IVR - Vertical only recessed unit with front radiant function, for wall formwork installation.

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.

- UVC device for air sterilisation.
- 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

→ Slim-touch wall mounted control panel, with RS485 Modbus RTU interface.

For installation on machine

→ ♦ Touch control on board and electronic control with continuous speed modulation.

→ ♦ 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.

→ ♦ RS485 Modbus RTU serial interface

Key: ♦ Factory fitted

→ Supplied separately

Technical Data

BRIO-I SLIM - MVP-MVR-IXP-IVR		10	20	25	30	40
❶ Total cooling capacity [EN1397]	kW	0,98	1,81	2,87	3,31	3,94
❷ Heating capacity (45°C) [EN1397]	kW	1,13	2,03	3,19	3,75	4,57
❸ Heating capacity (50°C)	kW	1,38	2,48	3,91	4,59	5,57
❹ Heating capacity (70°C) [EN1397]	kW	2,27	4,08	6,41	7,54	9,17
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]	kW	0,67	1,21	1,76	2,3	2,84
❽ Heating capacity of additional coil (70°C) [EN1397]	kW	0,77	1,42	2,16	2,74	3,3
Air flow speed	m³/h	162	320	461	576	648
Sound power	dB(A)	50	51	52	54	54
❹ Sound pressure	dB(A)	41	42	43	45	45
Absorbed power	W	11	19	20	28	35
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 - MVP-MVR width	mm	723	923	1123	1323	1523
W - IXP-IVR width	mm	525	725	925	1125	1325
H - MVP-MVR height - 2-pipe	mm	579	579	579	579	579
H - IXP-IVR height - 2-pipe	mm	590	590	590	590	590
H - MVP height - 4-pipe	mm	639	639	639	639	639
H - IXP height - 4-pipe	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
MVP-MVR weight - 2-pipe / MVP- 4-pipe	kg	17 / 18	20 / 21	23 / 25	26 / 28	29 / 32
IXP-IVR weight - 2-pipe / IXP - 4-pipe	kg	9 / 10	12 / 13	15 / 17	18 / 20	21 / 24
WxHxD - KCASE formwork - 2-pipe	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 For room volume equal to 100 m³ and reverberation time = 0.5 sec.
- E Eurovent certified performance.



Rhoss s.p.a.

Via Oltre Ferrovia 33
33033 Codroipo (UD)

Tel. +39 0432 911611
Fax +39 0432 911600

www.rhoss.com
rhoss@rhoss.it