

## 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 installation with front radiant function.
- √ Touch control, on board or wall-mounted



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

#### Versions

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

#### Construction set-ups

Type of system  
2T - 2-pipe systems  
4T - 4-pipe systems with additional water heating coil (MVP and IXP versions only).

#### Accessories

- Cable for water connections on the right side.
- Eurokonus / Gas connection straight fitting.
- ❖ 2 -way ON/OFF solenoid valves for 2 and 4-pipe systems.
- ❖ 3 -way ON/OFF solenoid valves 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 delivery nozzle made of aluminium, with double row of adjustable fins.
- Ceiling inlet grille made of aluminium, with curved profile.
- Ceiling delivery nozzle made of aluminium, with curved profile.

#### STANDARD controls

- For installation on machine
- 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 management 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	kW	0,99	1,83	2,89	3,34	3,98
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)	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
❾ 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 pipes	mm	579	579	579	579	579
H - IXP-IVR height - 2 pipes	mm	590	590	590	590	590
H - MVP height - 4 pipes	mm	639	639	639	639	639
H - IXP height - 4 pipes	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 pipes / MVP- 4 pipes	kg	17 / 18	20 / 21	23 / 25	26 / 28	29 / 32
IXP-IVR weight - 2 pipes / IXP - 4 pipes	kg	9 / 10	12 / 13	15 / 17	18 / 20	21 / 24
WxHxD - KCASE formwork - 2 pipes	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.
- ❾ For room volume equal to 100 m³ and reverberation time = 0.5 sec.
- E Eurovent certified performance.



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