TEKADOOR®

ZEPHYR-PLUS EC

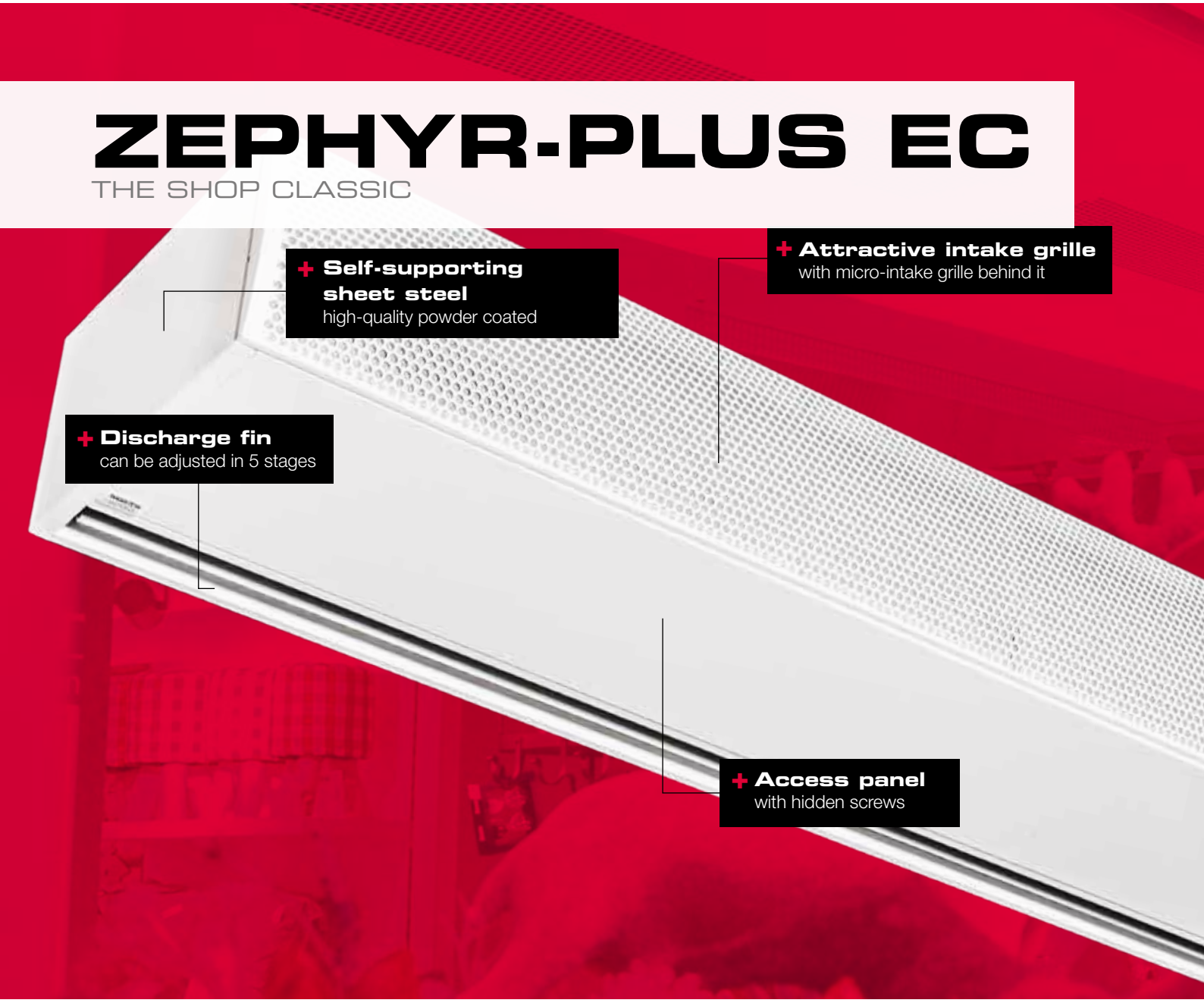
THE SHOP CLASSIC

INDIVIDUAL
INNOVATIVE
ENERGY-SAVING

ERP conform

ZEPHYR-PLUS EC

THE SHOP CLASSIC



Applications

Zephyr-Plus EC is the classic model for use in shops. Installation ready unit which can be used for many applications, with 4 installation variants. Free-hanging, flush with the ceiling as a cassette, installation in suspended ceilings with sliding supports, and, on request also available as a floor-mounted vertical unit.

The housing

Self-supporting sheet steel. Screws are not visible. High-quality powder coating, RAL 9016 as standard (traffic white). Other colours are available. Access panel hidden behind the intake grille. Aerodynamically-optimised aluminium discharge fin (naturally anodised), flush with the underside of the unit and adjustable in 5 stages. Perforated metal intake grille (same colour as the unit) with micro grille behind it as an intake filter.

Heating media

Heat exchangers for different heating media

LPHW – for normal temperature LPHW 70/50°C and low-temperature LPHW 60/40°C, other temperatures available on request. DX – DX register soldered under nitrogen for operation with heat pumps. High-quality heat exchanger made from copper tubes, with pressed-on, extra-strong aluminium fins.
ELECTRO: Series M and L: 3-stage heat exchanger 400V, spiral form, corrosion resistant, with thermal overheating protection and switch-off delay.

Maintenance

Easy to clean (micro grille) without opening the unit by simply vacuuming the intake grille. Discreet secured access panel hidden on the lower side of the unit (hinges on one side) – easy to open.

Advantages at a glance

- Made in Germany
- ErP conform / EC fans
- Certified by TÜV-Süd
- Robust, self-supporting sheet steel
- Individual colours available
- 4 installation variants
- Individual unit lengths up to 3000 mm
- Service friendly thanks to filterless micro-intake grille
- Simple to install
- Aerodynamically optimised discharge fin
- Different heating media possible

EC fans

The efficiency of the EC fans used by TEKADOOR is > 90% under partial load operation. This is 30–35% higher than for conventional AC fans. This does not just increase the efficiency, but also reduces the operating costs. The individually-driven EC fans with integrated motor protection can intake air in both directions. They have vibration-free bearings and are controlled by a PWM signal (pulse width modulation) – and for the DX with 0-10 V. They do not just comply with Directive ErP, but actually exceed this standard.

Mounting

Simple mounting thanks to the rivet nuts (M8) incorporated on the upper side of the unit and optionally-available assembly materials. In the standard version, the unit does not need to be opened for electrical connection. Connection terminals for the voltage supply, as well as the connectors for the control unit and parallel operation can be accessed from the outside.

Control

Electronic TEKADOOR GTC EC control unit, multifunctional with touch display, including an optional ModBus interface

A GTC 1 EC control unit is used as standard for models with LPHW heating. A GTC E EC control unit is used for models with electrical heating. The units come with 20 m preassembled and shielded data cable. The GTC 1 EC 5-stage control unit includes the ability to switch from manual to automatic and from summer mode to winter mode as standard. A solenoid valve of up to 2.5 A can be connected as an option for the winter mode. With the standard GTC E EC control unit, the airflow can be selected manually in 5 stages and the heating capacity – depending on the fan level – can be selected manually in 3 stages. Each control unit includes a manual to automatic mode switch and a potential-free contact for enabling via any on-site BMS or BEMS. A choice of 5-stage or stepless fan operation is offered as standard.
A maximum of 10 units can be connected in parallel.

ZEPHYR-PLUS EC
DETAILS

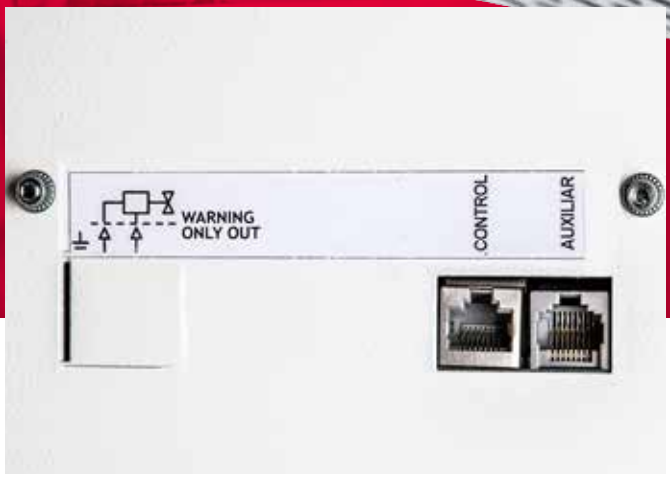
Connections

Heating connections – flow and return - on top of the unit as standard for easy connection to the on-site heating system. Optionally, the connections can also be to move - top right or side

Connection box (LPHW)

Simple electrical connection via connection box (voltage supply 230V/50Hz on the top of the unit); Optionally, the connections can also be to move

Exception:
Electrical units with a heating capacity greater than 22,5 kW.



Data cable connection/interface

Simple, standard plug and play connection of the data cable and an optional solenoid valve on the top side of the unit. The connection can be offset on request.

Control:
Input for the data cable to the control unit.

Auxiliary:
Output for parallel operation with other units.

Discharge fin

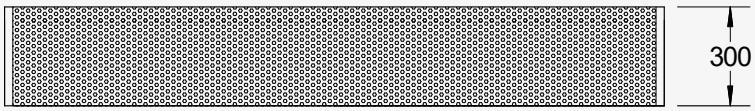
The shielding performance of the door air curtain system is optimised by adjusting the discharge fin. The fin can be adjusted in 5 stages. During the heating period, the discharge fin should be tilted outwards by 10 to 15 degrees to prevent cold air coming in from the outside. In contrast, during operation in the summer, the fin is tilted inwards, so that the cooled indoor air cannot escape.

ZEPHYR-PLUS EC

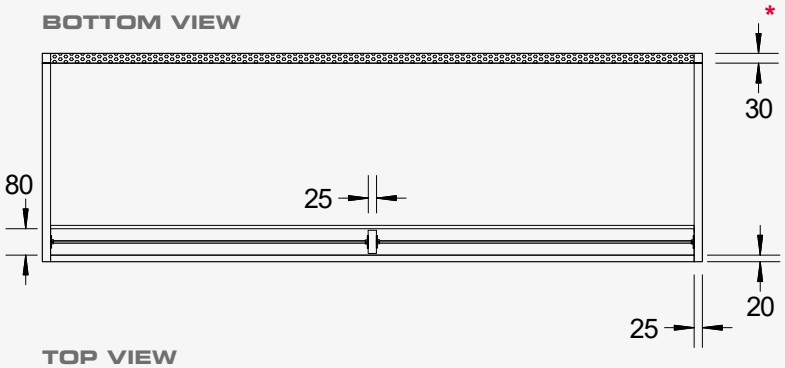
INSTALLATION VARIANTS

Free-hanging

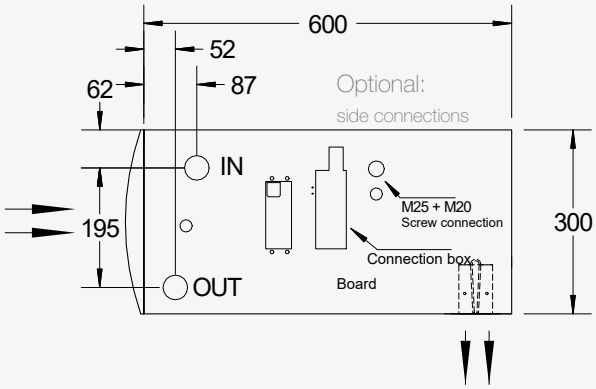
FRONT VIEW



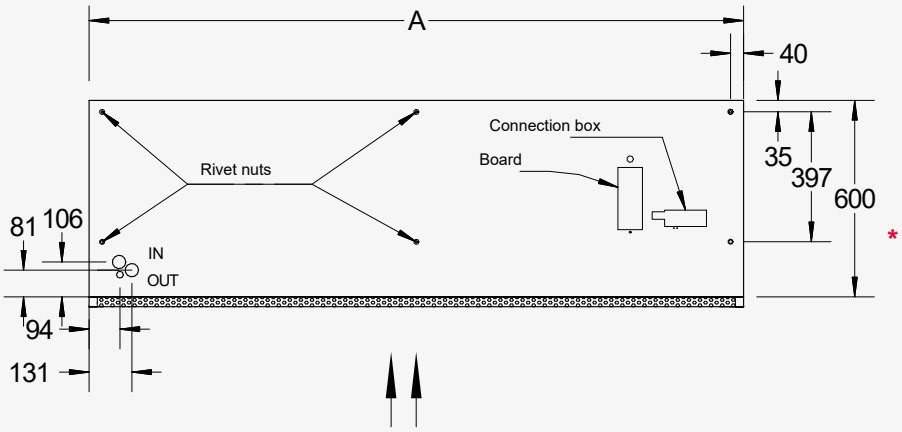
BOTTOM VIEW



SIDE VIEW



TOP VIEW



* Attention! Measure will change for model Zephyr LX / LXX from 300 mm to 450 mm and from 630 mm to 715 mm and revetting nut M8 will change to M10.

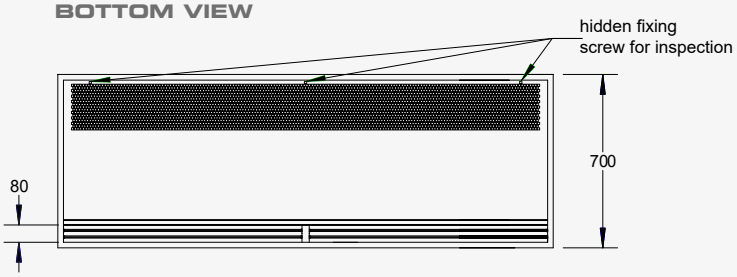
A = VARIABLE UNIT LENGTH

* WE RESERVE THE RIGHT TO MAKE TECHNICAL CHANGES

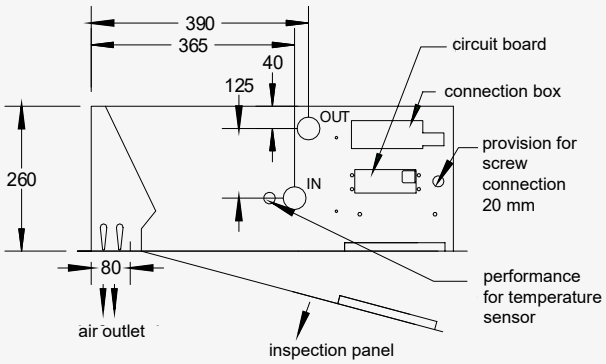
Connection-ready free-hanging door air curtain unit for visible installation directly above the door.
Ambient air intake is at the front, on the room side.

Cassette

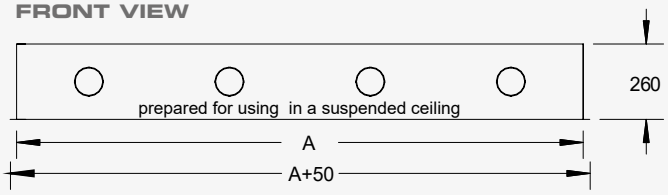
BOTTOM VIEW

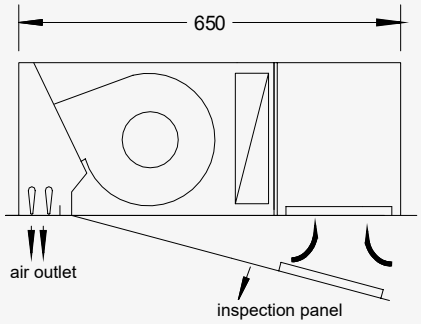


SIDE VIEW

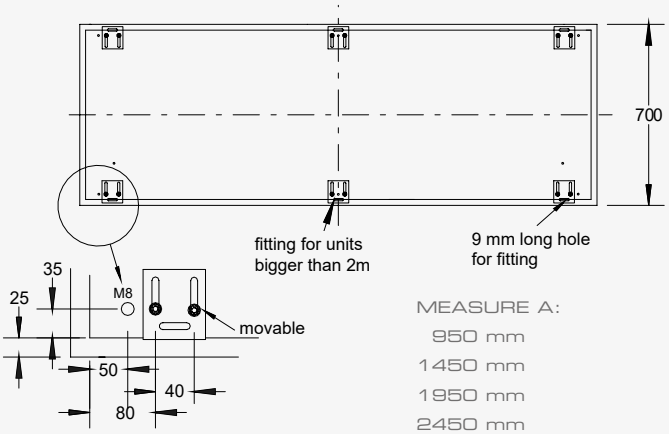


FRONT VIEW





TOP VIEW



MEASURE A:
950 mm
1450 mm
1950 mm
2450 mm

* Attention! Measure will change for model Zephyr Cassette LX / LXX from 260 mm to 440 mm and from 700 mm to 1270 mm and revetting nut M8 will change to M10.

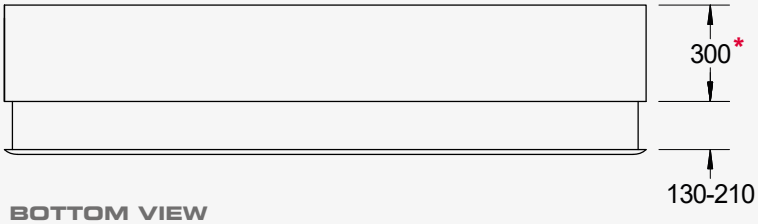
A = VARIABLE UNIT LENGTH

* WE RESERVE THE RIGHT TO MAKE TECHNICAL CHANGES

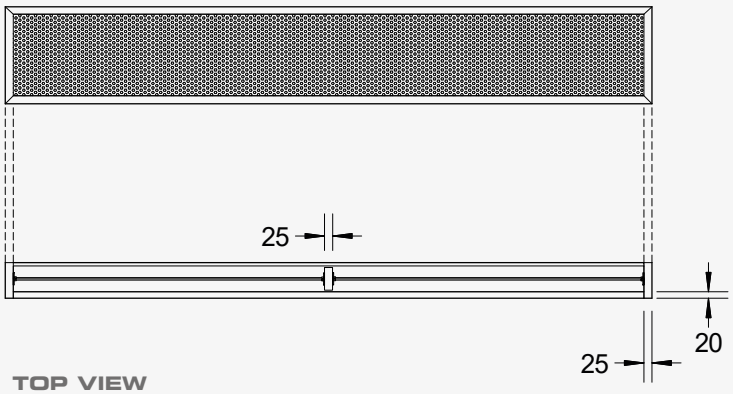
Connection-ready door air curtain unit with integrated intake chamber on the underside and surrounding frame for installation flush with the ceiling. Ambient air intake is from the underside, on the room side. Freely accessible maintenance panel.

Suspended ceiling unit

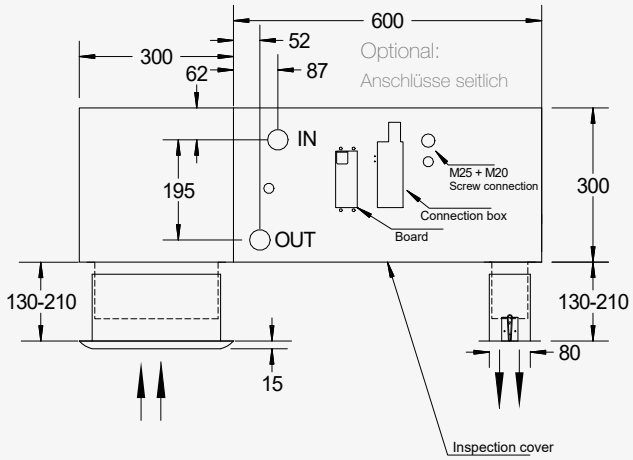
FRONT VIEW



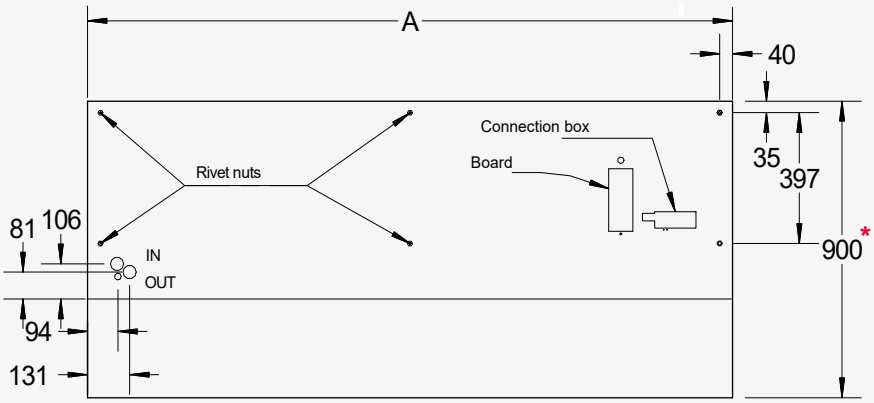
BOTTOM VIEW



SIDE VIEW



TOP VIEW



* Attention! Measure will change for model **Zephyr-Z LX / LXX**
from 300 (+130-210) mm
to 450 (+130-210) mm
and from 900 mm to 1100 mm
u. M10 instead of M8 rivet nuts.

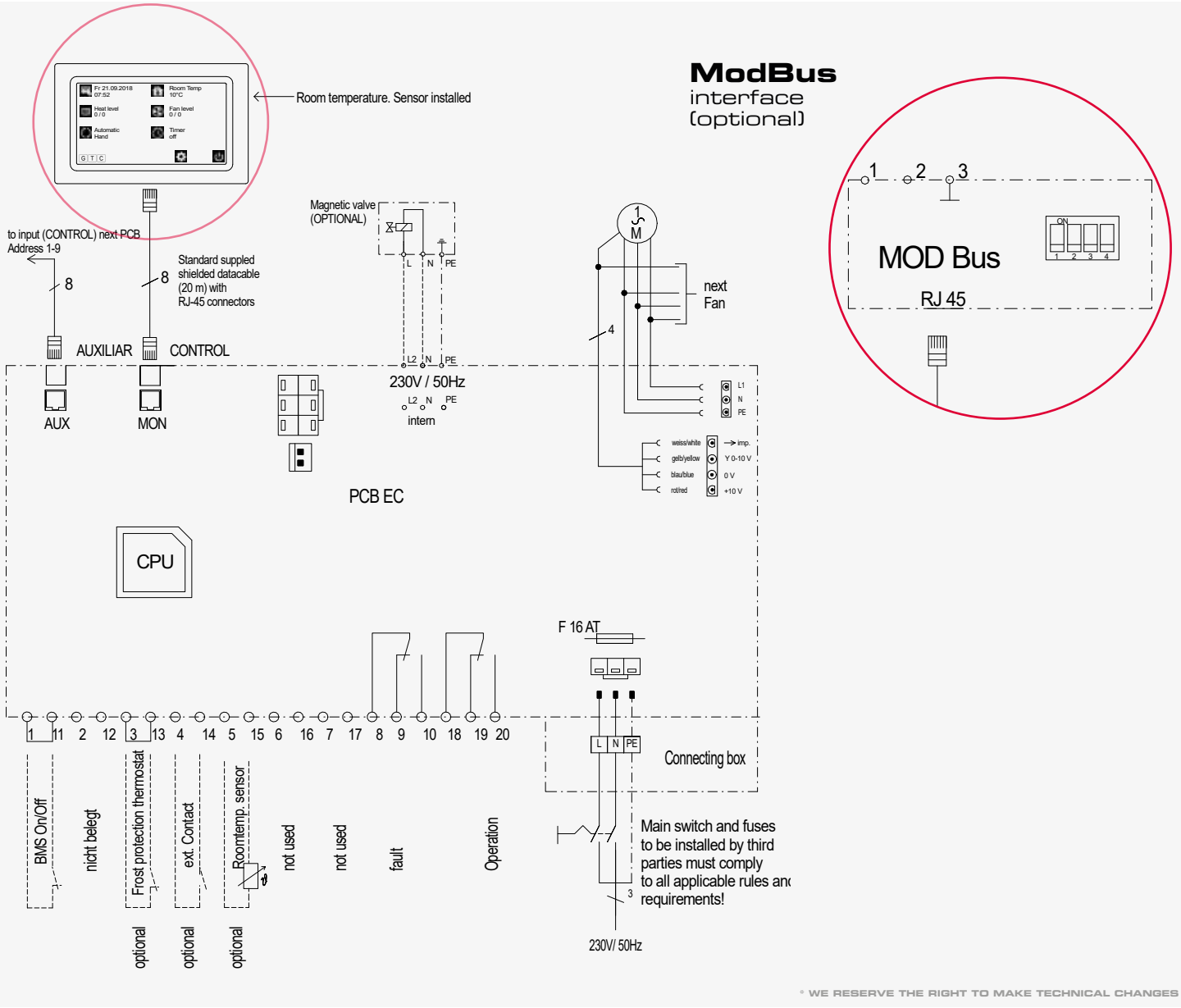
A = VARIABLE UNIT LENGTH

* WE RESERVE THE RIGHT TO MAKE TECHNICAL CHANGES

Connection-ready door air curtain unit with integrated intake chamber on the underside. Intake and discharge sliding supports for installation in a suspended ceiling. Only the intake and discharge grilles are visible from below. Ambient air intake is from the underside, on the room side.
CAUTION: The maintenance panel is on the underside of the unit. Therefore, it is essential that the suspended ceiling in which the unit is installed can be disassembled.

ZEPHYR-PLUS EC

STANDARD CIRCUIT DIAGRAM FOR LPHW
(PUMPED WARM WATER)



° WE RESERVE THE RIGHT TO MAKE TECHNICAL CHANGES

CONTROL UNIT GTC 1 EC

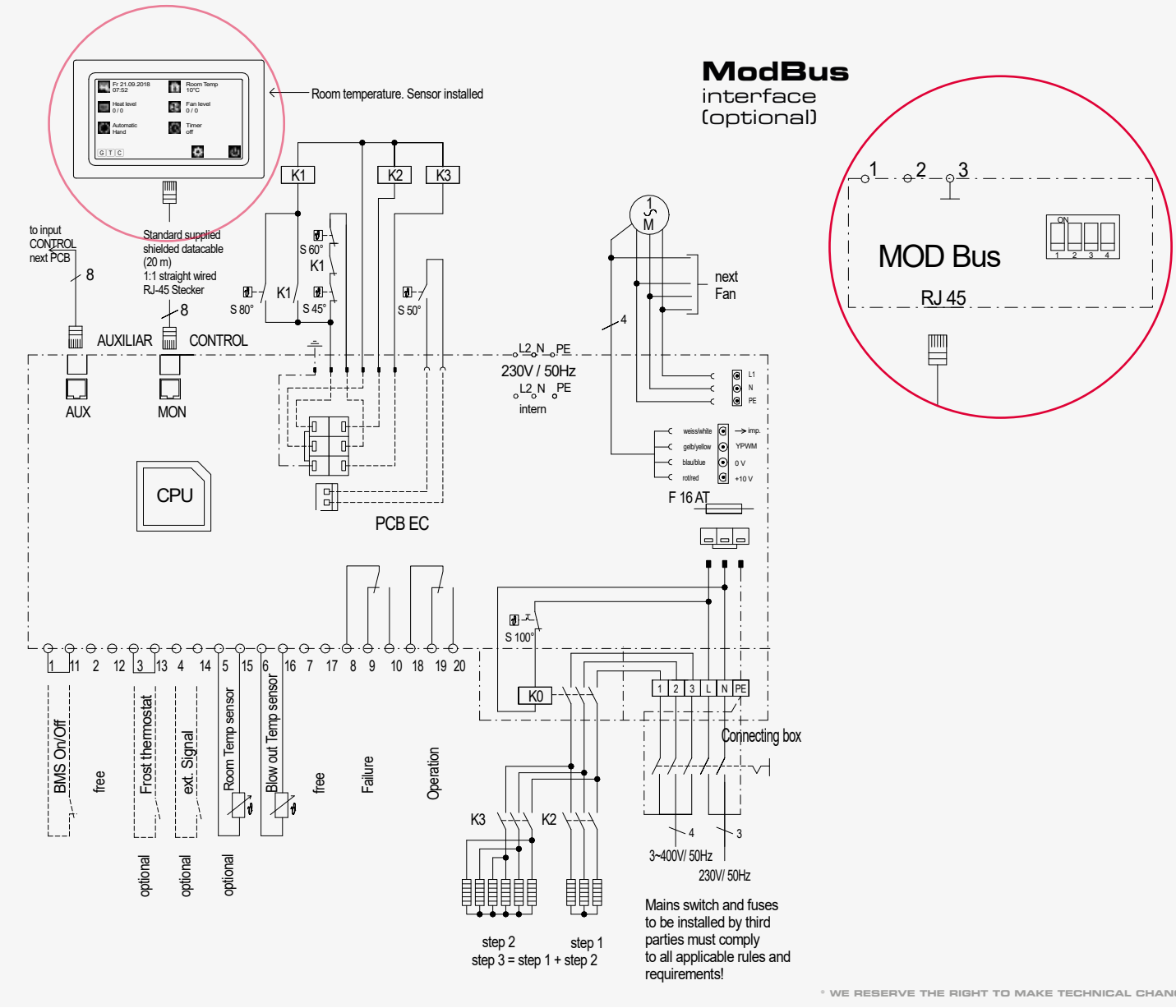
Multilingual, menu-driven electronic control unit for TEKADOOR air curtains with LPHW heating and energy-saving EC fans. A standard feature of the control unit with touch display is a choice between 5-stage or stageless fan control, which can be selected individually by the operator. The relevant operating modes and symbols are arranged clearly on the colour display. The date, time and room temperature are shown as standard. The room temperature is monitored via an internal temperature sensor in the control unit as standard.

An easy-to-navigate menu offers a selection of different operating modes:
Hand – manual operation
Auto AS – automatic operation via cool down protection
Auto RT – automatic operation via room temperature
Auto TK – automatic operation via door contact
Auto Kombi – option to combine all individual automatic modes

An enabling contact and potential-free operation and malfunction signals are provided for control via an on-site BMS or BEMS. Errors and faults are displayed with a red „warning“ sign. By coding the control boards differently, up to 10 door air curtains can also be operated in parallel with 1 control unit, using the Master/Slave principle. The control board is preinstalled in the door air curtain unit and 20 m of preassembled data cable (connection between the door air curtain and control unit) are included as standard.

ZEPHYR-PLUS E EC

CIRCUIT DIAGRAM FOR ELECTRICAL HEAT EXCHANGER



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CONTROL UNIT GTC E EC

Multilingual, menu-driven electronic control unit for TEKADOOR air curtains with LPHW heating and energy-saving EC fans. 5-stage fan operation or stageless fan control – easy to adjust on the control unit using the touch display. The electric heater can be activated in 3 stages.The relevant operating modes and symbols are arranged clearly on the colour display. The date, time and room temperature are shown as standard. The room temperature is monitored via an internal temperature sensor in the control unit as standard.

An easy-to-navigate menu offers a selection of different operating modes:
Hand – manual operation
Auto AS – automatic operation via cool down protection
Auto RT – automatic operation via room temperature
Auto TK – automatic operation via door contact
Auto AT – automatic operation via constant discharge temperature
Auto Kombi – option to combine all individual automatic modes

An enabling contact and potential-free operation and malfunction signals are provided for control via an on-site BMS or BEMS. A constant discharge temperature can be set via an optional cable temperature sensor. This enables optimisation of the shielding performance. A week timer is incorporated as standard, enabling up to 12 different switching times to be programmed per week. Errors and faults are displayed with a red „warning“ sign. By coding the control boards differently, up to 10 door air curtains can also be operated in parallel with 1 control unit, using the Master/Slave principle.The control board is preinstalled in the door air curtain unit and 20 m of preassembled data cable (connection between the door air curtain and control unit) are included as standard.

ZEPHYR-PLUS EC

OPTIONAL ACCESSORIES

Thermostatic straight-way valve

(Setting range + 20 °C to + 35 °C) limits the discharge temperature (constant supply air temperature limitation). Also available as a 3-way valve.

Solenoid valve

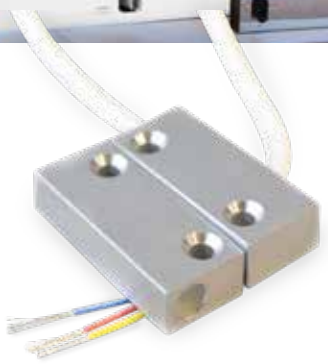
Opens or closes the warm water circuit in the summer/winter setting of the control unit, in order to close the heating water circuit and save energy during summer operation or when the air curtain is not working (normally closed). **Caution:** If solenoid valves are used, it is expressly recommended to install a frost protection thermostat (automatically actuated) and a strainer.

Thermo-electric shut-off valve

230 V / 50 Hz, normally closed. On-site installation in the heating flow. Actuated by the summer/ winter circuit. Summer function – closed. Winter function – opened.

Ceiling attachment set

For problem-free, vibration free ceiling attachment, consisting of M8 or M10 threaded rods, up to 1000 mm length, vibration dampers, turnbuckles and counter nuts.



Frost protection thermostat

For monitoring LPHW heat exchangers exposed to the risk of frost. As soon as the temperature falls below +7 °C, the fans are switched off and an optional solenoid valve is opened.

Control unit GTC 2 EC

Possibility of combination of various automatic operations. A constant discharge temperature can be set via an optional electronic control valve, and a week timer is incorporated as standard, enabling up to 12 different switching times to be programmed per week.

Electronic control valve

Electronic valve with 0-10V impulse and blow-out temperature sensor completely installed and wired. In combination with the GTC 2 control, a preselected blow-out temperature is kept constant.

Door contact solenoid switch

In automatic mode switches on the door air curtain in the preselected stage

ZEPHYR-PLUS EC

TECHNICAL DATA
FREE HANGING / CASSETTE SUS-
PENDED CEILING

Design based on:

recommended operating point
Intake temperature tLE = +20 °C
Discharge temperature tLA = +34 °C
Discharge height = up to 2.70 m

Model			M 1	M 1.5	M 2	M 2.5	M 3
Air quantity max:		m^3/h	1800	2700	3600	4500	6300
Heating capacity rated[1]	LPHW 70 / 50 °C	kW	8.5	12.7	17.0	21.1	29.7
	LPHW 60 / 40 °C	kW	8.5	12.7	17.0	21.1	29.7
Flow rate	LPHW 70 / 50 °C	m^3/h	0.37	0.56	0.75	0.93	1.30
	LPHW 60 / 40 °C	m^3/h	0.37	0.55	0.74	0.92	1.29
Water resistance	LPHW 70 / 50 °C	kPa	1,11	6,0	7,5	8,5	6,39
	LPHW 60 / 40 °C	kPa	1,14	3,5	4,5	5,0	6,51
Nominal connection sizes	Internal thread	Inches	2 x 3/4"	2 x 3/4"	2 x 3/4"	2 x 3/4"	2 x 3/4"
	Flow/return	DN	20	20	20	20	20
EC fans	Voltage	V	230 / 1 / N / PE				
	Frequency	Hz	50				
	Max. current consumption	A	2.4	3,6	4,8	6,0	8,4
	Max. motor power	kW	0,33	0,50	0,66	0,83	1,16
Electric heater 3-stage	Voltage	V	400 / 3 / N / PE				
	Frequency	Hz	50				
	Heating capacity	kW	3/6/9	4/8/12	6/12/18	6/12/18	10/20/30
Sound pressure level [2]	Highest setting	dB (A)	55	56	57	58	59
Drawing dimension	Unit length (A)	mm	1000	1500	2000	2500	3000
	Unit height [3]	mm	300	300	300	300	300
	Unit depth [4]	mm	630	630	630	630	630
Weight	Zephyr	kg	60	80	100	120	140
	Cassette	kg	52	70	88	97	120
	Zephyr-Z	kg	77	103	130	157	182

1. Rated operation based on operating point (see above), discharge temperature control recommended.
2. measured at a lateral distance of 3 m. Sound pressure level may very depending on surrounding conditions.
3. For the Zephyr Z (suspended ceiling version), this dimension changes to 430–510 mm for cassette (flush with ceiling) to 260 mm.
4. For the Zephyr Z this dimension changes to 900 mm and to 700 mm for the cassette (ceiling-flush version).

A well-balanced pressure ratio is one of the prerequisites for perfect function.

ZEPHYR-PLUS L EC

TECHNICAL DATA
FREE HANGING / SUSPENDED CEILING

Design based on:

recommended operating point
Intake temperature tLE = +20 °C
Discharge temperature tLA = +34 °C
Discharge height = up to 3.00 m

Model			L 1	L 1.5	L 2	L 2.5	L 3
Air quantity max:		m^3/h	2700	3600	5400	6300	7200
Heating capacity rated[1]	LPHW 70 / 50 °C	kW	12.7	17.0	25.3	29.5	34.0
	LPHW 60 / 40 °C	kW	12.7	17.0	25.3	29.5	34.0
Flow rate	LPHW 70 / 50 °C	m^3/h	0.56	1,14	1,68	2,05	1,49
	LPHW 60 / 40 °C	m^3/h	0.55	0,80	1,19	1,47	1.48
Water resistance	LPHW 70 / 50 °C	kPa	2,29	8,0	11,5	12,5	8,18
	LPHW 60 / 40 °C	kPa	2,36	4,45	6,5	7,0	8,33
Nominal connection sizes	Internal thread	Inches	2 x 3/4"	2 x 3/4"	2 x 3/4"	2 x 3/4"	2 x 3/4"
	Flow/return	DN	20	20	20	20	20
EC fans	Voltage	V	230 / 1 / N / PE				
	Frequency	Hz	50				
	Max. current consumption	A	3.1	4.1	7,2	8,4	9,4
	Max. motor power	kW	0.5	0,66	0,99	1,16	1,32
Electric heater 3-stage	Voltage	V	400 / 3 / N / PE				
	Frequency	Hz	50				
	Heating capacity	kW	5//10/15	7,5/15/22,5	10/20/30	10,7/21,4/32	10,7/21,4/32
Sound pressure level [2]	Highest setting	dB (A)	56	57	58	59	60
Drawing dimension	Unit length (A)	mm	1000	1500	2000	2500	3000
	Unit height [3]	mm	300	300	300	300	300
	Unit depth [4]	mm	630	630	630	630	630
Weight	Zephyr	kg	65	85	110	140	160
	Cassette	kg	57	75	93	122	145
	Zephyr-Z	kg	82	108	140	177	202

* WE RESERVE THE RIGHT TO MAKE TECHNICAL CHANGES

1. Rated operation based on operating point (see above), discharge temperature control recommended.
2. measured at a lateral distance of 3 m. Sound pressure level may very depending on surrounding conditions.
3. For the Zephyr Z (suspended ceiling version), this dimension changes to 430–510 mm for cassette (flush with ceiling) to 260 mm.
4. For the Zephyr Z this dimension changes to 900 mm and to 700 mm for the cassette (ceiling-flush version).

A well-balanced pressure ratio is one of the prerequisites for perfect function.

ZEPHYR EC LX

TECHNICAL DATA
FREE HANGING / SUSPENDED CEILING

Design based on:

recommended operating point
Intake temperature tLE = +20 °C
Discharge temperature tLA = +34 °C
Discharge height = up to 3.20 m

Model			LX 1	LX 1.5	LX 2	LX 2.5	LX 3
Air quantity max:		m^3/h	4500	5100	7300	9800	12000
Heating capacity rated[1]	LPHW 70 / 50 °C	kW	21.2	24.0	34.4	46.2	56.6
	LPHW 60 / 40 °C	kW	21.2	24.0	34.4	46.2	56.6
Flow rate	LPHW 70 / 50 °C	m^3/h	0.93	1.05	4.51	2.02	2.48
	LPHW 60 / 40 °C	m^3/h	0.92	1.05	1.50	2.01	2.47
Water resistance	LPHW 70 / 50 °C	kPa	4.5	4.1	9.1	4.4	6.9
	LPHW 60 / 40 °C	kPa	3.2	4.1	3.7	4.5	7.0
Nominal connection sizes	Internal thread	Inches	2 x 1“	2 x 1"	2 x 1"	2 x 1"	2 x 1"
	Flow/return	DN	25	25	25	25	25
EC fans	Voltage	V	230 / 1 / N / PE				
	Frequency	Hz	50				
	Max. current consumption	A	6.0	6.5	9.1	12.1	15.0
	Max. motor power	kW	1.1	1.4	2.1	2.7	3.5
Sound pressure level [2]	Highest setting	dB (A)	64	63	64	65	67
Drawing dimension	Unit length (A)	mm	1000	1500	2000	2500	3000
	Unit height [3]	mm	450	450	450	450	450
	Unit depth [4]	mm	715	715	715	715	715
Weight	Zephyr	kg	85	105	145	180	225
	Cassette	kg	97	123	168	213	260
	Zephyr-Z	kg	102	130	177	222	274

° WE RESERVE THE RIGHT TO MAKE TECHNICAL CHANGES

1. Rated operation based on operating point (see above), discharge temperature control recommended.
2. measured at a lateral distance of 3 m. Sound pressure level may very depending on surrounding conditions.
3. For the Zephyr Z-LX/LXX (suspended ceiling version), this dimension changes to 580-680 mm.
4. For the Zephyr Z-LX/LXX this dimension changes to 1100 mm.

A well-balanced pressure ratio is one of the prerequisites for perfect function.

ZEPHYR EC LXX

TECHNICAL DATA
FREE HANGING / SUSPENDED CEILING

Design based on:

recommended operating point
Intake temperature tLE = +20 °C
Discharge temperature tLA = +34 °C
Discharge height = up to 3.60 m

Model			LXX 1	LXX 1.5	LXX 2	LXX 2.5	LXX 3
Air quantity max:		m^3/h	4900	7300	9800	12000	14200
Heating capacity rated[1]	LPHW 70 / 50 °C	kW	23.1	34.4	46.2	56.6	67.0
	LPHW 60 / 40 °C	kW	23.1	34.4	46.2	56.6	67.0
Flow rate	LPHW 70 / 50 °C	m^3/h	1.01	1.51	2.02	4.48	2.93
	LPHW 60 / 40 °C	m^3/h	1.01	1.50	2.01	4.45	2.92
Water resistance	LPHW 70 / 50 °C	kPa	1.3	2.9	7.9	7.8	9.6
	LPHW 60 / 40 °C	kPa	3.8	2.4	4.7	7.8	9.7
Nominal connection sizes	Internal thread	Inches	2 x 1 1/4"	2 x 1 1/4"	2 x 1 1/4"	2 x 1 1/4“	2 x 1 1/4"
	Flow/return	DN	32	32	32	32	32
EC fans	Voltage	V	230 / 1 / N / PE				
	Frequency	Hz	50				
	Max. current consumption	A	6.1	9.1	12.1	15.2	18.2
	Max. motor power	kW	1.4	2.1	2.8	3.5	4.1
Sound pressure level [2]	Highest setting	dB (A)	63	64	65	66	68
Drawing dimension	Unit length (A)	mm	1000	1500	2000	2500	3000
	Unit height [3]	mm	450	450	450	450	450
	Unit depth [4]	mm	715	715	715	715	715
Weight	Zephyr	kg	100	130	180	210	250
	Cassette	kg	112	148	203	238	285
	Zephyr-Z	kg	117	155	212	252	299

* WE RESERVE THE RIGHT TO MAKE TECHNICAL CHANGES

1. Rated operation based on operating point (see above), discharge temperature control recommended.
2. measured at a lateral distance of 3 m. Sound pressure level may very depending on surrounding conditions.
3. For the Zephyr Z-LX/LXX (suspended ceiling version), this dimension changes to 580-680 mm.
4. For the Zephyr Z-LX/LXX this dimension changes to 1100 mm.

A well-balanced pressure ratio is one of the prerequisites for perfect function.

ZEPHYR-DX M EC

TECHNICAL DATA
FREE HANGING/CASSETTE /
SUSPENDED CEILING

Design based on:

recommended operating point
intake temperature = +20/27 °C
discharge temperature = +34/18 °C
discharge height = up to 2.70 m

heating gas temperature = 70 °C
condensation temperature = 50 °C
condensate exit temp. = 45 °C
operating pressure = max. 45bar

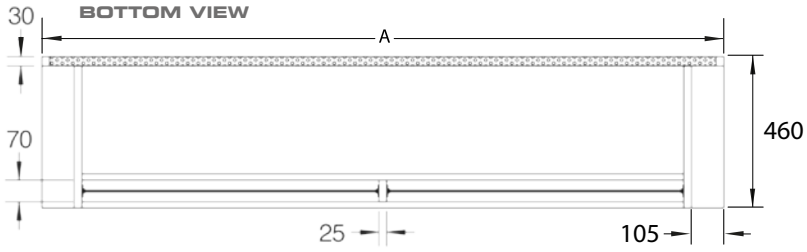
Model			DX-M 1	DX-M 1.5	DX-M 2	DX-M 2.5	DX-M 3
Air quantity max:		m^3/h	1800	2700	3600	4500	6300
Power [1]	DX heating capacity	kW	8.6	12.9	17.3	21.3	29.9
	DX cooling capacity	kW	8.1	12.5	16.9	21.3	29.9
Delivery and intake line	Connections	mm	10/16	10/16	10/18	10/22	10/22
EC fans [3]	Voltage	V	230 / 1 / N / PE				
	Frequency	Hz	50				
	Max. current consumption	A	2.4	3.6	4.7	5.9	8.2
	Max. motor power	kW	0.3	0.5	0.7	0.8	1.2
Sound pressure level [2]	Highest setting	dB (A)	58	59	60	61	62
Drawing dimension	Unit length (A)	mm	1210	1710	2210	2710	3210
	Unit height	mm	260	260	260	260	260
	Unit depth	mm	490	490	490	490	490
Weight	Zephyr DX	kg	50	65	80	85	105
	Cassette	kg	57	75	93	102	125
	Zephyr Z	kg	67	92	112	127	154

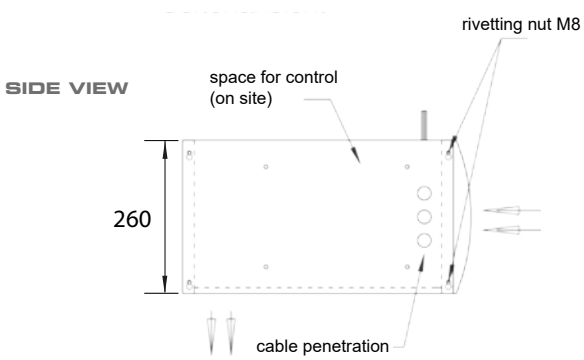
° WE RESERVE THE RIGHT TO MAKE TECHNICAL CHANGES

1. Rated operation based on operating point (see above).
2. measured at a lateral distance of 3 m. Sound pressure level may very depending on surrounding conditions.
3. Control voltage 0-10 V.
4. Only heating modus possible.

WARNING: in cooling mode the discharge temperature must not fall below 18 °C and the intake temperature must not rise above 27 °C! If these parameters are not adhered to, a higher level of condensate will form which cannot be removed by our optional condensate pump!

A well-balanced pressure ratio is one of the prerequisites for perfect function.





ZEPHYR-DX L EC

TECHNICAL DATA
FREE HANGING/CASSETTE /
SUSPENDED CEILING

Design based on:

recommended operating point
intake temperature = +20/27 °C
discharge temperature = +34/18 °C
discharge height = up to 3.00 m

heating gas temperature = 70 °C
condensation temperature = 50 °C
condensate exit temp. = 45 °C
operating pressure = max. 45bar

Model			DX-L 1	DX-L 1.5	DX-L 2	DX-L 2.5	DX-L 3
Air quantity max:		m^3/h	2700	3600	5400	6300	7200
Power [1]	DX heating capacity	kW	12.7	17.0	25.7	29.6	34
	DX cooling capacity	kW	12	16.6	25.2	29.7	34.2
Delivery and intake line	Connections	mm	10/16	10/18	10/22	10/22	10/22
EC fans [3]	Voltage	V	230 / 1 / N / PE				
	Frequency	Hz	50				
	Max. current consumption	A	3.5	4.7	7.1	8.2	9.4
	Max. motor power	kW	0.5	0.7	1.0	1.2	1.4
Sound pressure level [2]	Highest setting	dB (A)	60	61	62	63	64
Drawing dimension	Unit length (A)	mm	1210	1710	2210	2710	3,210
	Unit height	mm	260	260	260	260	260
	Unit depth	mm	490	490	490	490	490
Weight	Zephyr DX	kg	55	65	85	110	130
	Cassette	kg	62	80	98	127	150
	Zephyr Z	kg	72	95	117	152	179

* WE RESERVE THE RIGHT TO MAKE TECHNICAL CHANGES

1. Rated operation based on operating point (see above).
2. measured at a lateral distance of 3 m. Sound pressure level may very depending on surrounding conditions.
3. Control voltage 0-10 V.
4. Only heating modus possible.

WARNING: in cooling mode the discharge temperature must not fall below 18 °C and the intake temperature must not rise above 27 °C! If these parameters are not adhered to, a higher level of condensate will form which cannot be removed by our optional condensate pump!

A well-balanced pressure ratio is one of the prerequisites for perfect function.

German headquarters
TEKADOOR GmbH
Albert-Einstein-Str. 11
D-40764 Langenfeld

T. +49 (0) 2173 - 20766-0
F. +49 (0) 2173 - 20766-111
E. info@tekadoor.de

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