



Turbo Power

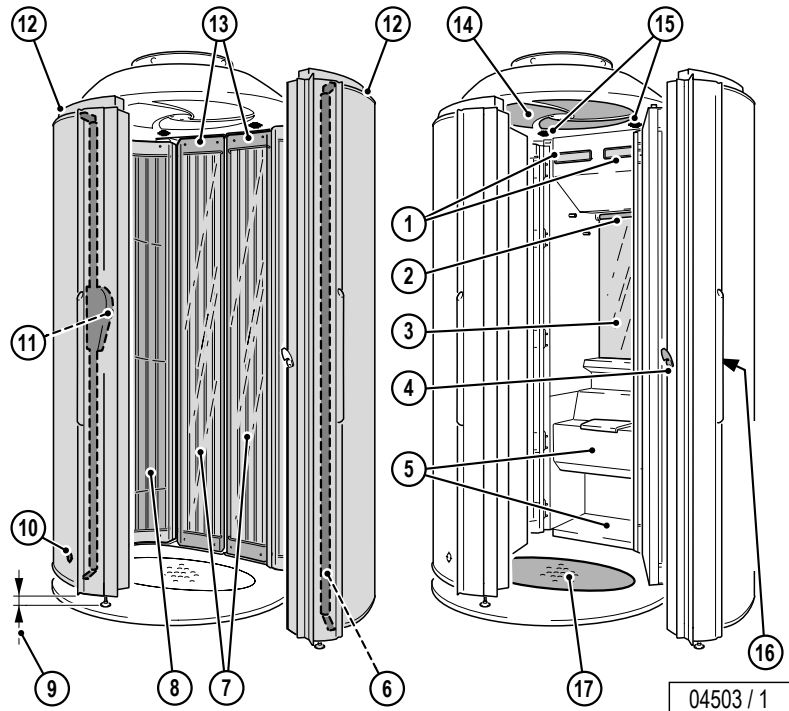


Contents

Device description.....	2
Technical Data.....	2
Dimensions.....	3
Installation of a coin device.....	3
Planning example for double rear wall.....	4
Maximum exhaust pipe lengths.....	5
Equipment cooling.....	5
Surround cooling.....	6
Exhaust air accessories.....	6
Electrical connections.....	7
Sound system.....	7
Controls.....	7
Air conditioner (not available).....	7
IR Interface.....	7

Device description

1. Exhaust air slots, equipment cooling
2. Lighting of comfort cabin
3. Mirror
4. Inside door lock
5. Clothes and shoe storage
6. Inside door handle
7. UV low pressure lamps inner doors
8. UV low pressure lamps outer doors
9. Clearance for the air supply (50 mm)
10. Infrared interface
11. Operating panel with display
12. Outer doors
13. Inner doors
14. Ventilator
15. Loudspeaker (accessories)
16. Cable for emergency unlocking behind the filter mat
17. Base cover



Technical Data

Electrical data	
Nominal power consumption:	12500 W
Nominal voltage:	400 – 415 V ~3N
Nominal frequency:	50 Hz
Rated fusing:	3 x 25 A (time-delay)
Performance:	
Device door, right side:	
UV low pressure lamps	20 x 180 W
Device door, left side:	
UV low pressure lamps	20 x 180 W
Door of comfort cabin, right side:	
UV low pressure lamps	5 x 180 W
Door of comfort cabin, left side:	
UV low pressure lamps	5 x 180 W

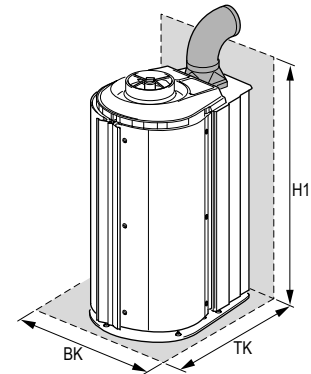
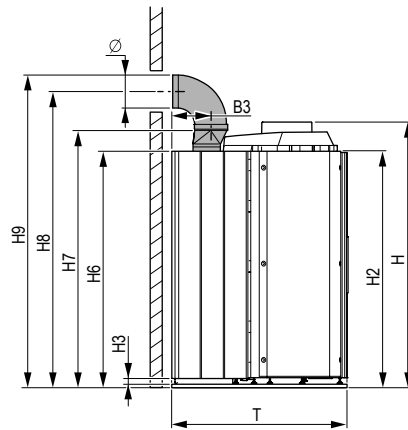
Noise emission	
Acoustic pressure level:	72.2 db (A)
Inlet and exhaust air	
Temperature difference, supply/ exhaust air:	10 °C
Max. air requirement:	2900 m ³ /h
Opt. ambient temperature:	25 °C – 30 °C
Max. ambient temperature:	15 °C – 40 °C
Max. inlet air temperature:	40 °C
Exhaust cross section w/o exhaust system:	430 cm ²
Cabin inlet air cross section at 1.5 m/s:	5370 cm ²
Exhaust cross section with exhaust system:	710 cm ² ¹⁾
Warm air return:	not possible

1) when using a 300 mm exhaust air adapter (see Exhaust air accessories)

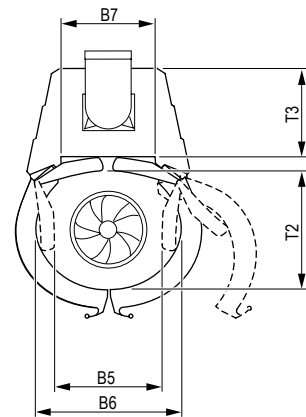
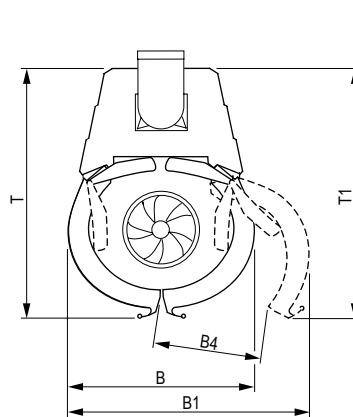
Dimensions

B	1200 mm
B1	1500 mm
B2	325 mm
B3	326 mm
B4	600 mm
B5	680 mm
B6	930 mm
B7	620 mm
H*	2420 mm
H1*	2645 mm
H2*	2145 mm
H3	50 mm
H6*	2145 mm
H7*	2355 mm
H8*	2696 mm
H9*	2846 mm
T	1600 mm
T1	1650 mm
T2	730 mm
T3	480 mm
∅	300 mm
BK	1600 mm
TK	2300 mm

* incl. baseplate



04431 / 1



04432 / 0

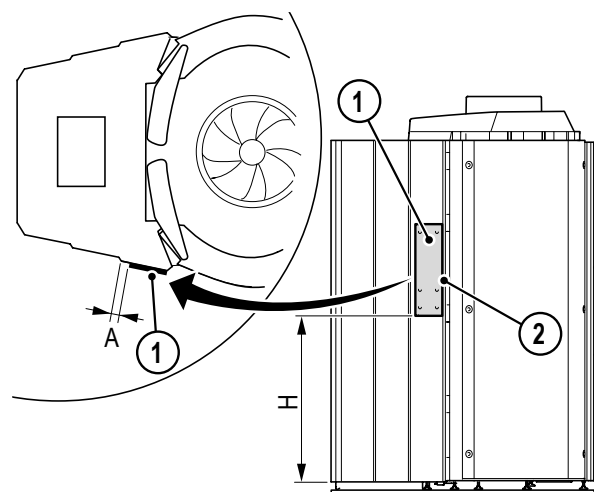
Installation of a coin device

At the rear part of the tanning device, the coin devices MCS IV plus, MCS VI or Studiopilot can be mounted to the wall of the tanning device (alternatively left or right).

See also "MCS IV plus", "MCS VI" or "Studiopilot" – "Installation variation tanning device".

A	45.5 mm	
H	1023 mm	level of lower edge of drilling template (ex lower edge of side wall)
1		drilling template 86820

The drilling template must be flush with the front edge (2) of the wall segment.



04600 / 1

Planning example for double rear wall

Installing “exhaust air ducting via a hanging ceiling and with a double rear wall” is an optically elegant solution without using the central exhaust air bracket.

An intermediate wall (1) (e.g. chipboard) tightly enclosing the device at the rear serves as an upward channel for the exhaust air (2), right up to the hanging ceiling. So that the exhaust air is properly extracted, a slight vacuum is required behind the intermediate wall (1); an auxiliary fan must be installed if necessary.

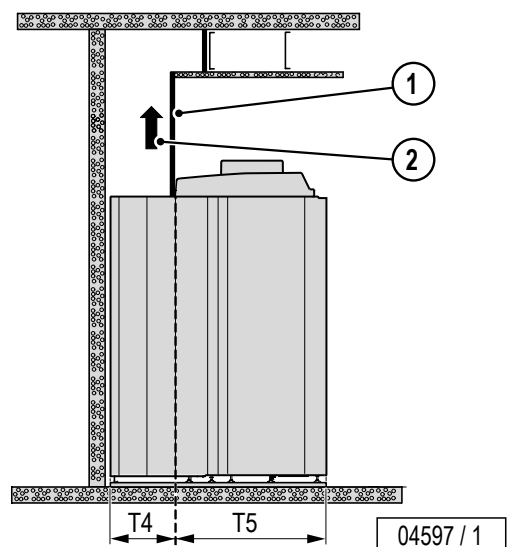
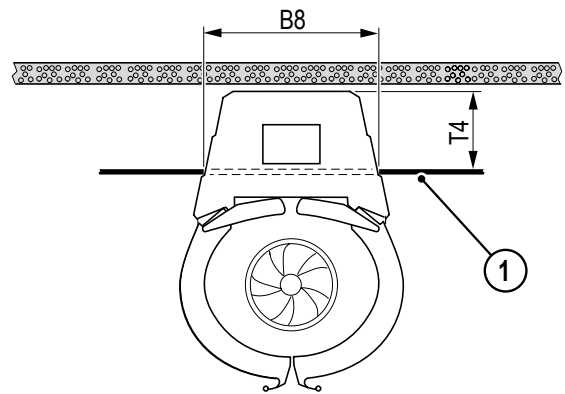
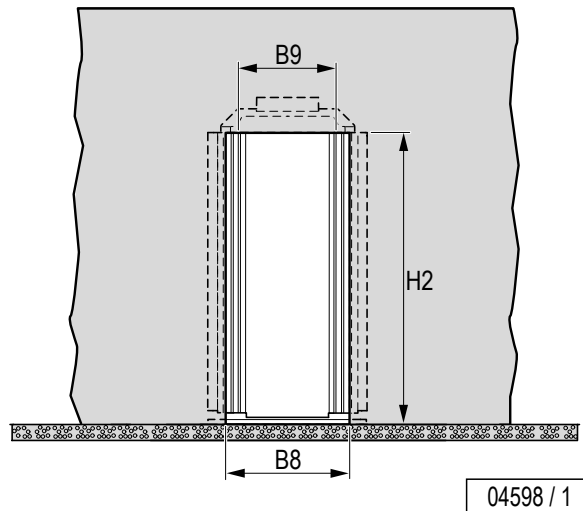
A cut-out is mounted on the intermediate wall (see table for dimensions).

Lounge

Dimensions		
B8	920 mm	width of cut-out
B9	722 mm	width of tanning device at the rear wall
T4	443 mm	minimum distance between intermediate wall and wall
T5	1157 mm	
H2*	approx. 2145 mm	height of cut-out

* incl. baseplate

The intermediate wall (1) must securely enclose the rear of the tanning bed.



Maximum exhaust pipe lengths

Calculation base (without additional ventilator):

Back pressure	100 Pascal
Air pressure	100,000 Pascal
Air temperature	40 °C
Density	1.112 kg/m ³
Dynamic inertia of the air	1.92E-05 Pa x s

Corrugated pipe ∅	Roughness (at centre) k _{absolute}	Flow volume	Loss coefficient		90° bend in line (metal)	Permissible length of straight line
mm	mm	m ³ /h	of pipe	of bend	pieces	m
300	8	2600	0.182 ¹⁾	0.21 ¹⁾	0	10
					1	8.5
					2	7.5
					3	6

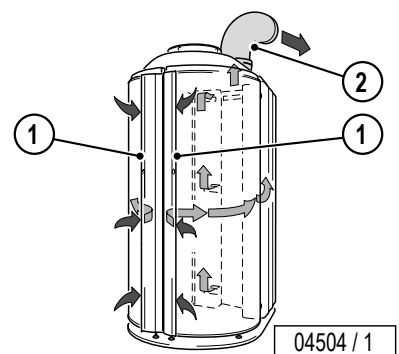
Smooth pipe ∅	Roughness (at centre) k _{absolute}	Flow volume	Loss coefficient		90° bend in line (metal)	Permissible length of straight line
mm	mm	m ³ /h	of pipe	of bend	pieces	m
300	0.1	2600	0.061 ¹⁾	0.21 ¹⁾	0	29
					1	25
					2	21
					3	18

1) zeta value (ζ)

Equipment cooling

Cabin or studio air can be drawn in (supply air) along the edges of the door (1) in order to cool the outer doors. Air is drawn in through the openings in the rear of the doors to cool the inner doors.

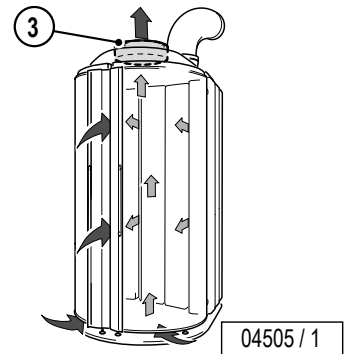
The inlet air is first cleaned in a filter, then fed past the hot UV low-pressure lamps and finally expelled as warm exhaust air (2).



Surround cooling

A fan (3) is used to provide body cooling. Cabin or studio air will be drawn-in through the fan and routed past the person beneath it.

The fan has 9 speeds.



Exhaust air accessories

Connection to a central exhaust system is possible upwards, upwards right, upwards left and to the rear.

The apertures intended for this purpose are located on top of the comfort cabin.

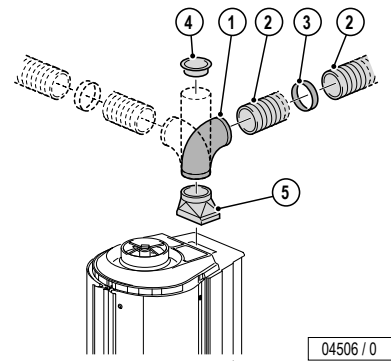
Corrugated pipe

Suitable device exhaust is possible with an exhaust pipe up to 10 metres in length (without 90° bend). An auxiliary fan is required for exhaust pipes longer than 10 metres.

Smooth pipe

Suitable device exhaust is possible with an exhaust pipe up to 29 metres in length (without 90° bend). An auxiliary fan is required for exhaust pipes longer than 29 metres.

The exhaust air bracket and warm air recycling can also be retrofitted.



Item	Accessory parts	Article No.	Notes
1	90° Pipe bend in Techno Grey	3452110	For inlet and exhaust air ducting to right, left or to rear, plus tube adapter for direct connection to central exhaust air bracket [possible with tube (∅ 300 mm)]
2	Corrugated pipe (∅ 300 mm, 6 m length, flexible, grey) including 2 pipe clamps	3450280	–
3	Corrugated pipe connector piece (∅ 300 mm)	3450270	For connecting two corrugated pipes
4	Connector bracket for corrugated pipe (∅ 300 mm)	3450360	Connection of the corrugated pipes, e.g. to a canal
5	Exhaust air adapter	3452850	–

Electrical connections

Mains supply line	none
Electr. control line	none
Line for external music and channel selection	none

Sound system

	Artikel-Nr.	Bemerkungen
Audio package	A 3452720	
Loudspeaker set	M 3452860	

M = plus surcharge
 A = Equipment variant, plus surcharge, retrofitting not possible

Controls

Control	Article No.	Notes
MCS III plus hand-held remote control	3401060	With chip card terminal
MCS IV plus	3401040	With electronic coin tester
MCS VI	3400970	With electronic coin tester + chip card terminal
Studiopilot	3400990	With electronic coin tester + chip card terminal
Studio-Manager	3452900	Software

Air conditioner (not available)

No air conditioner can be supplied with this device model.

IR Interface

Standard equipment: Access to the device data with a hand-held unit (Palm).