

Turbo Power

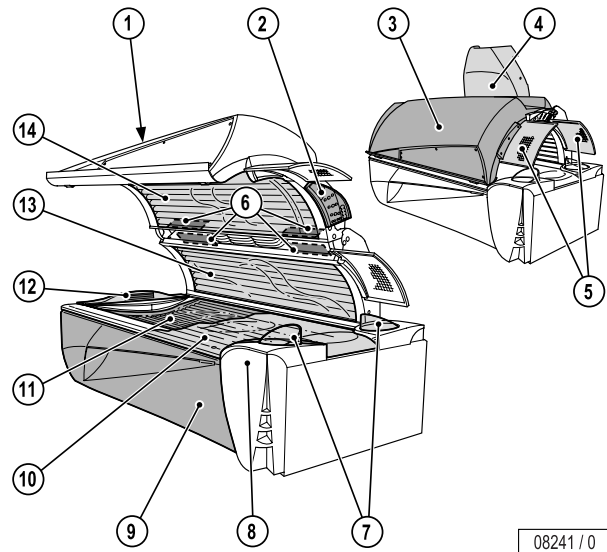
Open Sun A.R.T. 550

Open Sun A.R.T. 550

Device description	2
Technical Data	2
Dimensions	3
Maximum exhaust pipe length	4
Equipment cooling	4
Surround cooling	5
Exhaust air accessories	5
Electrical connections	5
Sound system	6
Controls	6
Air conditioner	6
IR Interface	6

Device description

1. Accent lighting canopy
2. Operating elements
3. Decorative canopy
4. Central exhaust nozzle (optional)
5. Glass reflectors for the face tanner
6. Air inlet equipment cooling
7. Face tanner with protective goggles
8. Head end (accent lighting)
9. Front panel with air inlet and accent lighting
10. Acrylic glass panel lower part
11. Intermediate panel
12. Air nozzle (surround cooling, feet end)
13. Side panel
14. Canopy



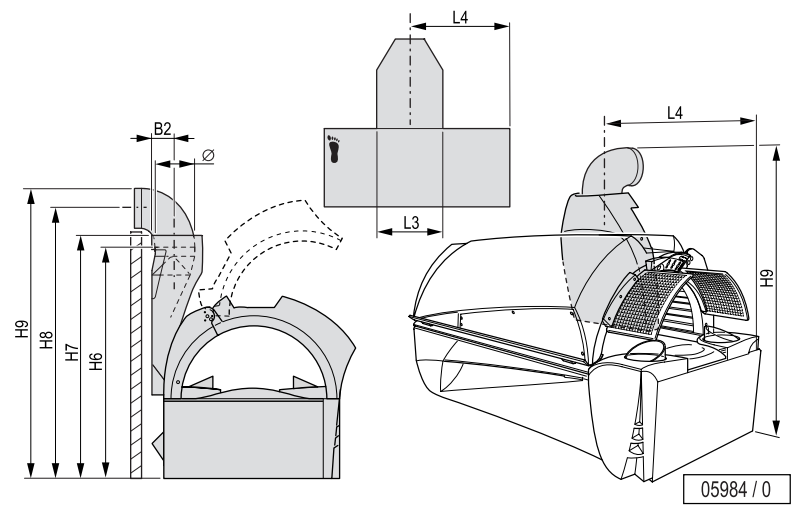
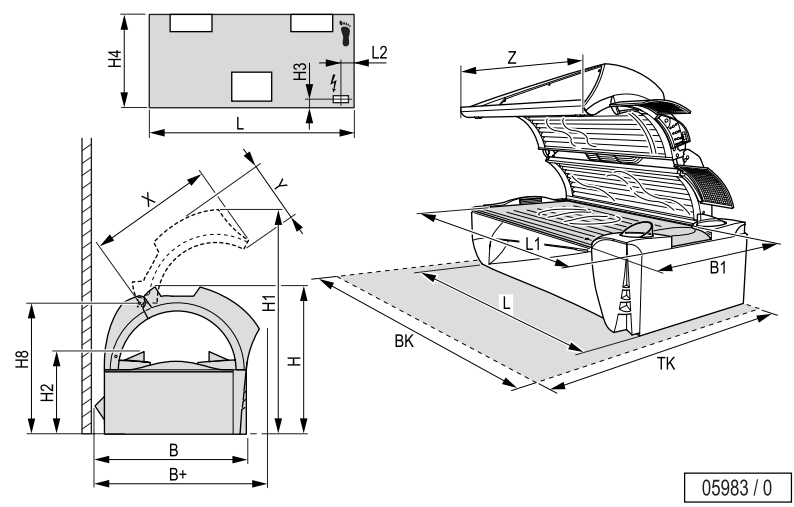
Technical Data

Electrical data	
Nominal power consumption:	
with Air Condition	11 900 W
Nominal voltage:	400 – 415 V ~3N
Nominal frequency:	50 Hz
Rated fusing:	3 x 25 A (time-delay)
Performance:	
Canopy:	
UV low pressure lamps	18 x 160 W
Lower part:	
UV low pressure lamps	18 x 160 W
UV high pressure lamps	2 x 800 W
Side part:	
UV low pressure lamps	9 x 160 W

Noise emission	
Acoustic pressure level:	66.5 db (A)
Inlet and exhaust air	
Temperature difference, supply/exhaust air:	14 °C
Max. air requirement:	2960 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:	5480 cm ²
Exhaust cross section with exhaust system:	710 cm ²
Warm air return:	possible

Dimensions

B+	1600 mm
B	1315 mm
B1	1075 mm
B2	181 mm
L	2299 mm
L1	2174 mm
L2	204 mm
L3	867 mm
L4	1178 mm
H	1265 mm
H1	1770 mm
H2	775 mm
H3	70 mm
H4	557 mm
H6	1720 mm
H7	1800 mm
H8	2025 mm
H9	2175 mm
X	1122 mm
Y	450 mm
Z	1936 mm
∅	300 mm
BK	2370 mm
TK	2300 mm



Maximum exhaust pipe length

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

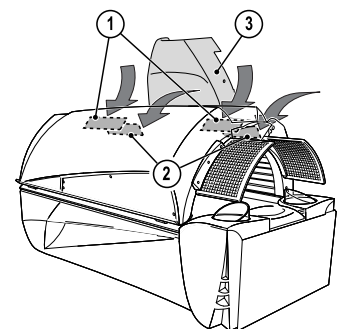
Corrugated pipe ∅	Roughness (at centre) k _{absolute}	Flow volume	Loss coefficient		90° bend in line (metal)	Permissible length of straight line
mm	mm	m ³ /h	of pipe	of bend	pieces	m
300	8	2560	0.182 ¹⁾	0.21 ¹⁾	0	10
					1	9
					2	8
					3	7

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	2560	0.061 ¹⁾	0.21 ¹⁾	0	30
					1	26
					2	22
					3	18

1) zeta value (ζ)

Equipment cooling

Air for the unit cooling is drawn in through two filters in the air intakes the upper section (2) and another two in the rear panel (1). The air is led past the warmed UV lamps and is exhausted to the outside through the central exhaust bracket (3) at the rear of the sunbed.

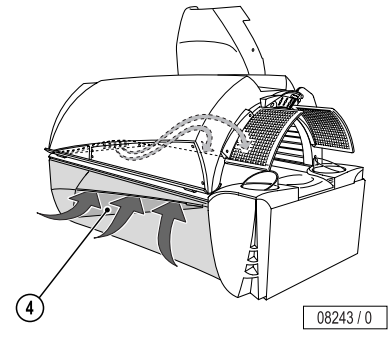


08242 / 0

Surround cooling

Because of the open construction in the region of the head, a foot ventilator is sufficient for cooling the whole body of the user. The foot ventilator is supplied with filtered ambient air through the air inlet above the front plate (4). The intensity of body cooling can be individually adjusted in 12 steps.

An air conditioner enables the additional climate control of the bed surface and the body air.

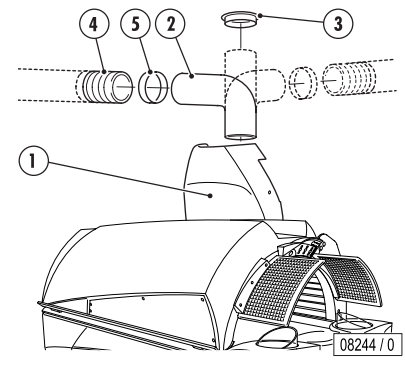


Exhaust air accessories

Connection to a central exhaust air system upwards is possible.

The apertures intended for this purpose are located above the central exhaust air bracket.

Adequate ventilation of the equipment is possible up to an exhaust air hose length of 10 meters (without 90° bend). For exhaust air hose lengths greater than 10 meters, you will require an additional fan.



Item	Accessory parts	Article No.	Notes
1	Central exhaust air bracket in Techno Grey	3452280	to the connection for exhaust pipes (Ø 300 mm) upwards
2	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 (Ø 300 mm)]
3	Connector bracket for corrugated pipe (Ø 300 mm)	3450360	Connection of the corrugated pipe, e.g. to a channel
4	Corrugated pipe (Ø 300 mm, 6 m length, flexible, grey) including 2 pipe clamps	3450280	-
5	Corrugated pipe connector piece (Ø 300 mm)	3450270	For connecting two corrugated pipes

Electrical connections

Mains supply line	provided
Electr. control line	approx. 2000 mm
Line for external music and channel selection	approx. 3000 mm

Sound system

Standard equipment.

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

Standard equipment.

IR Interface

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