

Twin power technology uses a combination of 160W lamps in the upper section and 120W lamps in the lower section. This unit has been especially designed for customised tanning.

Twin Power

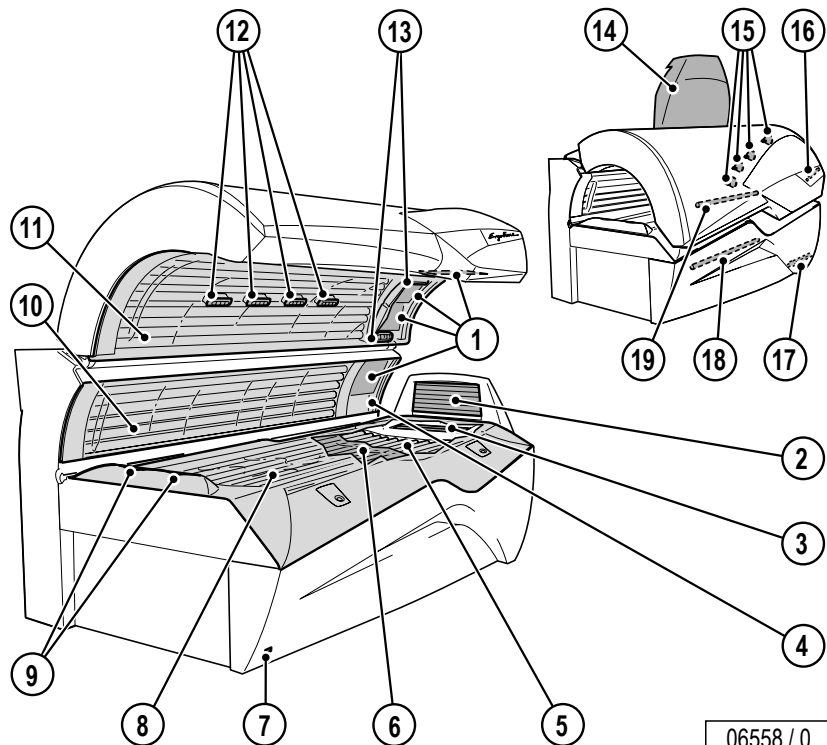
Excellence 800

Excellence 800 Twin Power

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Device description

1. Face tanner (UV high-pressure lamps)
2. Shoulder tanner
3. Neck tanner
4. Headphone connection
5. UV low-pressure lamps, lower part
6. Intermediate panel
7. Infrared interface
8. Acrylic glass panel lower part
9. Air nozzles body cooling, feet end
10. UV low-pressure lamps, side part
11. UV low-pressure lamps, canopy
12. Air nozzles body cooling
13. Air nozzles body cooling head end and AROMA
14. Central exhaust air bracket (optional)
15. Accent lighting canopy (two coloured)
16. Accent lighting canopy
17. Accent lighting base
18. Accent lighting front panel (blue)
19. Accent lighting internal (blue)



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Technical Data

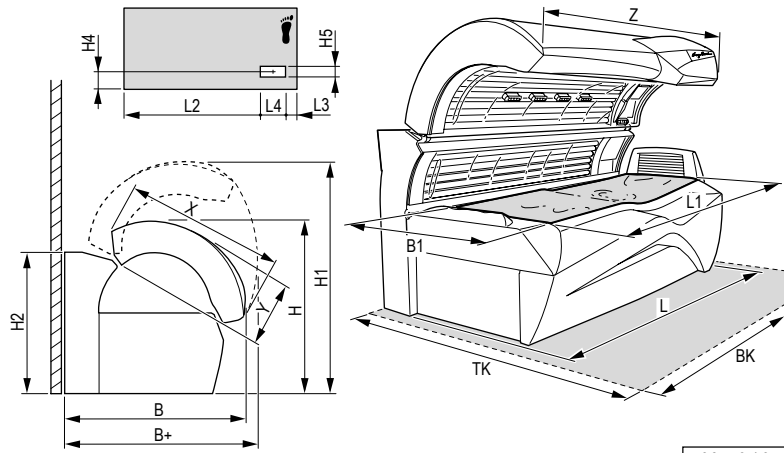
| Electrical data | |
|----------------------------|--------------------------|
| Nominal power consumption: | 12700 W |
| Nominal voltage: | 400 – 415 V ~3N |
| Nominal frequency: | 50 Hz |
| Rated fusing: | 3 x 35 A (time-delay) |
| Performance: | |
| Canopy: | |
| UV low pressure lamps | 24 x 160 W |
| UV high pressure lamps | 3 x 520 W |
| Lower part: | |
| UV low pressure lamps | 19 x 100 W ¹⁾ |
| Side part: | |
| UV low pressure lamps | 8 x 160 W |
| UV high pressure lamps | 1 x 520 W |
| Neck tanner: | |
| UV low pressure lamps | 6 x 25 W |
| Shoulder tanner: | |
| UV low pressure lamps | 7 x 25 W |

1) controlled up to 120 W

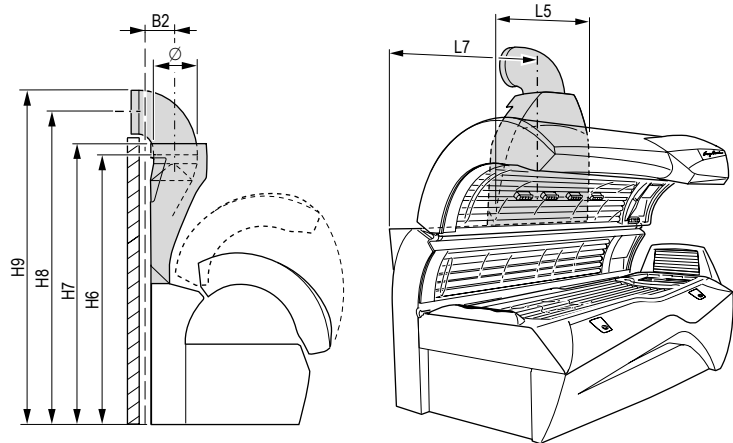
| Noise emission | |
|---|------------------------|
| Acoustic pressure level: | 68.9 db (A) |
| Inlet and exhaust air | |
| Temperature difference, supply/exhaust air: | 10 °C |
| Max. air requirement: | 2800 m ³ /h |
| Opt. ambient temperature: | 25 °C – 30 °C |
| Max. ambient temperature: | 15 °C – 40 °C |
| Max. inlet air temperature: | 40 °C |
| Exhaust cross section w/o exhaust system: | 588 cm ² |
| Cabin inlet air cross section at 1.5 m/s: | 5200 cm ² |
| Exhaust cross section with exhaust system: | 710 cm ² |
| Warm air return: | possible |

Dimensions

| | |
|----|---------|
| B | 1428 mm |
| B1 | 850 mm |
| B2 | 188 mm |
| B+ | 1510 mm |
| L | 2323 mm |
| L1 | 2110 mm |
| L2 | 1730 mm |
| L3 | 238 mm |
| L4 | 265 mm |
| L5 | 867 mm |
| L7 | 1116 mm |
| H | 1373 mm |
| H1 | 1830 mm |
| H2 | 1078 mm |
| H3 | - mm |
| H4 | 400 mm |
| H5 | 114 mm |
| H6 | 1887 mm |
| H7 | 1974 mm |
| H8 | 2197 mm |
| H9 | 2342 mm |
| X | 1224 mm |
| Y | 472 mm |
| Z | 2235 mm |
| ∅ | 300 mm |
| BK | 2370 mm |
| TK | 2300 mm |



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Planning example for double rear wall

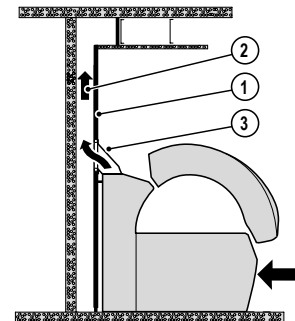
Installing “exhaust air ducting via a suspended ceiling and with a double rear wall” is an optically elegant solution without using the central exhaust air bracket.

An intermediate wall (1) (e.g. chipboard) tightly enclosing the sunbed at the rear serves as an upward channel for the exhaust air (2), if required right up to the suspended 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.

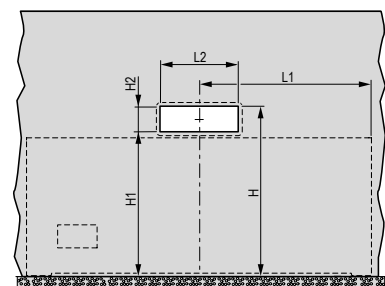
With exhaust-air adapter

A cut-out must be made in the intermediate wall (see table for dimensions). A rubber profile on the exhaust-air adapter (3) ensures an air-tight seal on the intermediate wall.

| Dimensions | | |
|------------|---------|---|
| L1 | 1116 mm | Tanning bed foot end up to centre of adapter |
| L2 | 590 mm | Long adapter, inner edges |
| H | 1355 mm | Height from floor to inner upper edge of rubber profile |
| H1 | 1125 mm | Height from floor to inner lower edge |
| H2 | 230 mm | Height of adapter (inside) |



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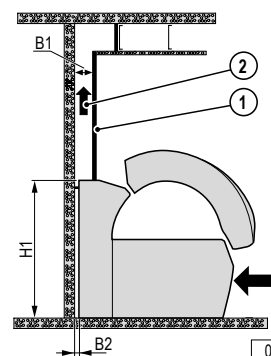
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Without exhaust-air adapter

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

| Dimensions | |
|------------|-------------|
| B1 | max. 170 mm |
| B2 | 57 mm |
| H1 | 1078 mm |

If a tanner is replaced with a new tanner, the intermediate wall (1) must be adapted or replaced so that there are no gaps through which leakage air is drawn. Provision must be made for the inspection doors at the head and foot of the tanner so that the canopy lifting device can be adjusted.



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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 |

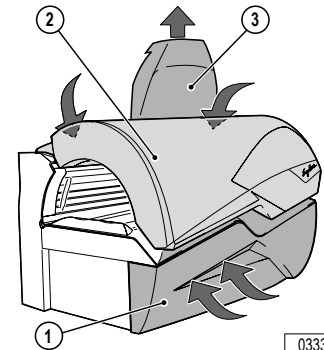
| Corrugated pipe ∅ | Roughness (at centre) k _{absolute} | Flow volume | Loss coefficient | | 90° bend in line (metal) | Permissible length of straight line |
|----------------------|---|-------------------|---------------------|--------------------|-----------------------------|---|
| mm | mm | m ³ /h | of pipe | of bend | pieces | m |
| 300 | 8 | 2500 | 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 | 2500 | 0.061 ¹⁾ | 0.21 ¹⁾ | 0 | 30 |
| | | | | | 1 | 26 |
| | | | | | 2 | 22 |
| | | | | | 3 | 18 |

1) zeta value (ζ)

Equipment cooling

Cabin or studio air is drawn in beneath the front panel (1) of the lower part of the sunbed and over the filter mats in the canopy (2) (inlet air) in order to cool the equipment.

The inlet air is first cleaned in a filter, then fed past the hot UV low-pressure and high-pressure lamps and finally expelled as warm exhaust air via the central exhaust air bracket (3) at the rear of the sunbed.

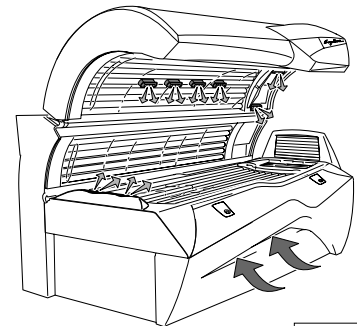


Surround cooling

Surround air ventilation for the user is provided automatically. The intensity is adjustable in 9 steps. Cabin or studio air is drawn in and used for cooling.

The air is fed through several nozzles over the whole length in the middle of the canopy. In the head area there are two air nozzles that can be switched on separately.

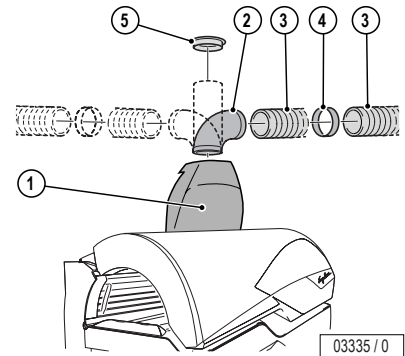
Studio air is also supplied via the air inlet slots beneath the front panel of the sunbed base and fed to two nozzles at feet level at the lying surface height, thus surrounding the body with cooling air.



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 above the central exhaust air bracket.



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 30 metres in length (without 90° bend). An auxiliary fan is required for exhaust pipes longer than 30 metres.

Warm air recycling

Warm air recycling is a technically advanced, secure device which feeds part of the hot cooling air back to the studio via a motor-controlled air choke. A thermostat provides fully automatic control of the studio temperature, between 15 °C and 25 °C as required.

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

| Item | Accessory parts | Article No. | Notes |
|------|---|-------------|---|
| 1 | Central exhaust air bracket Techno Grey with warm air recycling, thermostatically controlled including connector piece, see Item 4 | 3452620 | With connection possible for exhaust air pipes (∅ 300 mm) on the top, top right, top left and to the rear |
| | Central exhaust air bracket Techno Grey, but without warm air recycling | 3452630 | |
| 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 (∅ 300 mm)] |
| 3 | Corrugated pipe (∅ 300 mm, 6 m length, flexible, grey) including 2 pipe clamps | 3450280 | – |
| 4 | Corrugated pipe connector piece (∅ 300 mm) | 3450270 | For connecting two corrugated pipes |
| 5 | Connector bracket for corrugated pipe (∅ 300 mm) | 3450360 | Connection of the corrugated pipe, e.g. to a canal |
| 6 | Exhaust air adapter in black (not shown) | 3452660 | For double rear wall |

Electrical connections

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

MULTIVISION

Equipment variant, retrofitting not possible.

Sound system

Equipment variant, retrofitting not possible.
 3D sound: Equipment variant, 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 deliverable)

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).