

# megaSun<sup>®</sup>

by KBL

## Tower pureEnergy



### Assembly

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# Assembly

## Tools

A standard tool set, including keys for Allen screws (e.g. 3.5 mm), a spirit level and a step ladder.

## Cubicle height

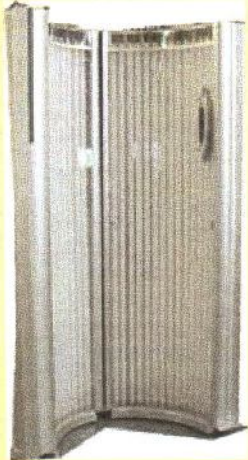
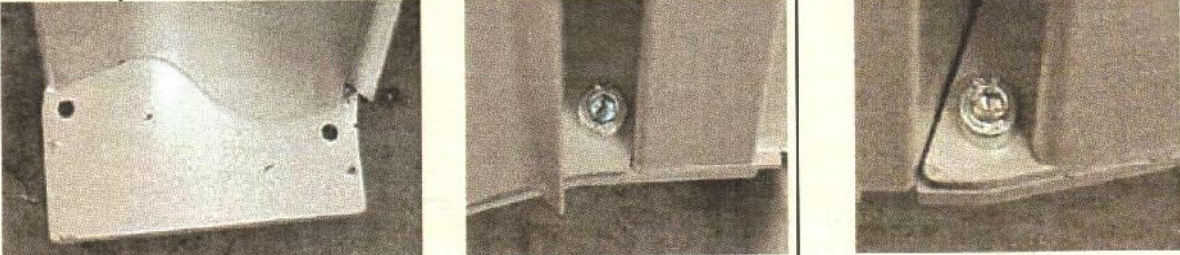
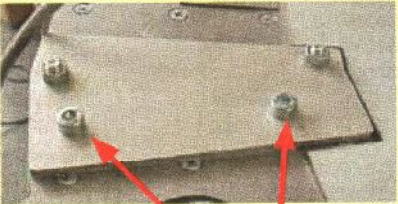

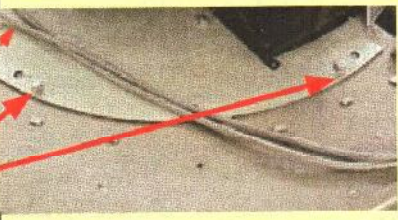
The cubicle must be at least 2.40 m high.

## Assistance



For unpacking, three assistants are required, and one to two other people are needed for installation.



## Mounting of the Tower

Step	Procedure	Reference
1	<p>Install the rear wall so that it is level.</p> <p>The distance between the base plate and the floor is approx. 70 mm.</p>	
2	<p>Screw the left-hand side part to the rear wall at the top and at the bottom and make sure it is level.</p>	
3	<p>Screw the right-hand side part to the rear wall at the top and at the bottom (Allen screws) and make sure that it is level.</p>	 <p>Right-hand upper part</p>
4	<p>Hinge the door at the bottom of the left-hand side part and use three screws to screw the door to it at the top. Then make sure it is level.</p>	
5	<p>Place the ceiling part including the blower on top of it and screw with 6 M8 SW 13 nuts.</p>	

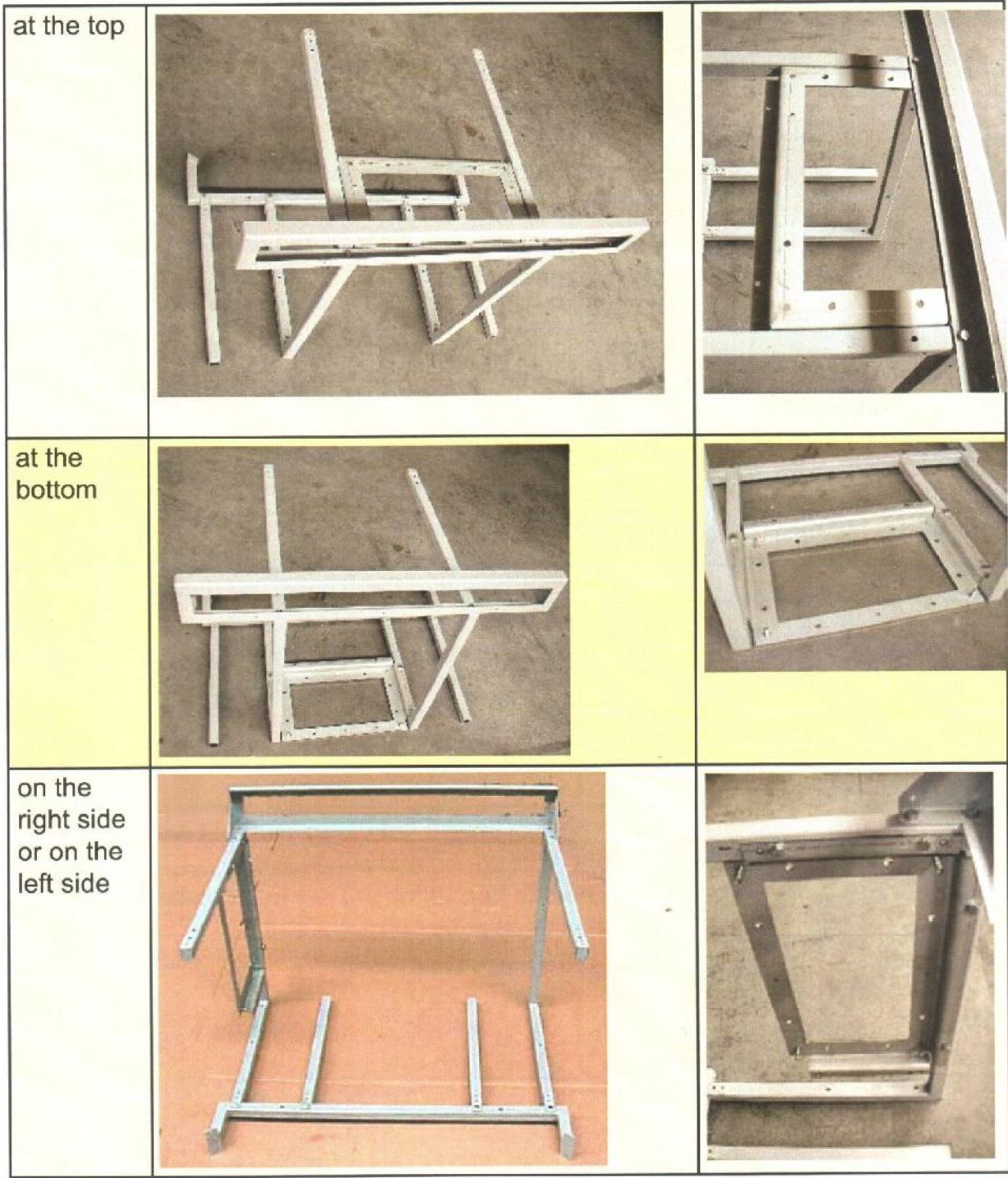


6	<p>Guide the cables from the door and the lateral (side) parts through the upper platband and fix it with 4 wing bolts (2 from the front and one each on the right-hand and left-hand side).</p>	
7	<p>Connect all cables at the top. <b>DO NOT MIX THEM UP!</b></p>	
8	Put the mirror floor-plate in place.	
9	Connect the timer cable.	
10	Connect the mains cable to the fuse box.	
11	<p>Switch on the unit and start a test run.</p> <p><b>Note:</b> As the T230 is operated with electronic starter: After having switched off the tubes wait at least one minute before switching on again. Otherwise the electronic starters may be damaged.</p>	

### Assembling of the Central Exhaust Air

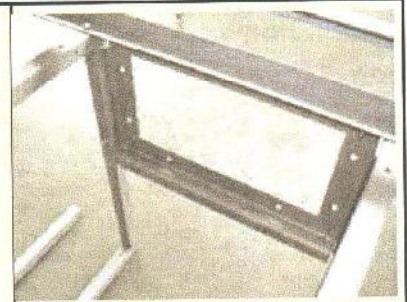
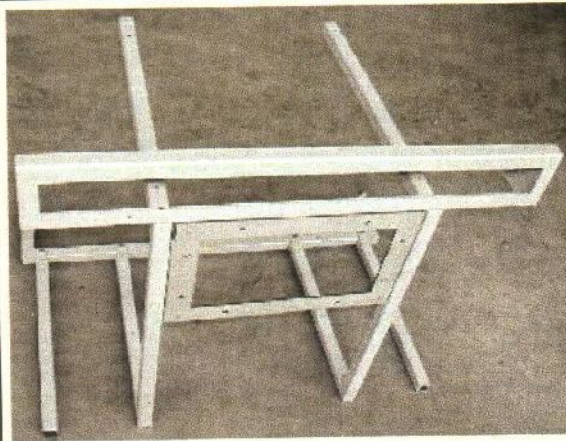
**Installation variants**

The central exhaust-air unit can be mounted in 5 different ways:  
The hose connection can be:  
— at the top or at the bottom,  
— on the right-hand or on the left-hand side, or  
— on the backside





on the  
backside



**Mounting instructions**

Arrange all parts you need for the assembling as you can see in to facilitate mounting, arrange the parts in the way you need them and as the pictures show. Use snap rings or Loctite for securing where appropriate.

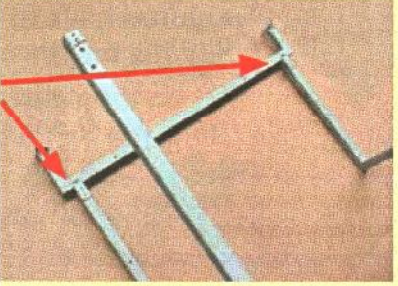
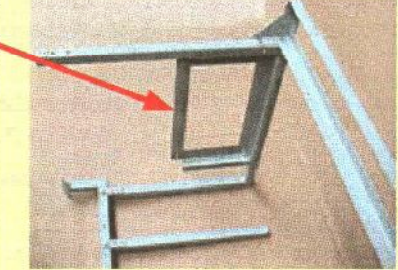
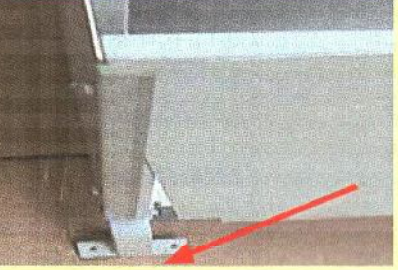
**Fan mounting**

The fan mounting frame is always screwed to the inside of the exhaust frame bar (see respective picture on the right).


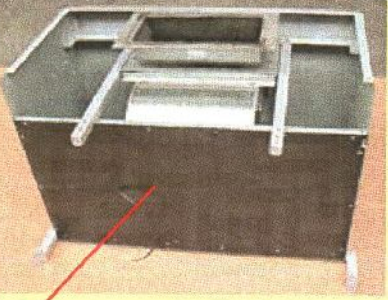
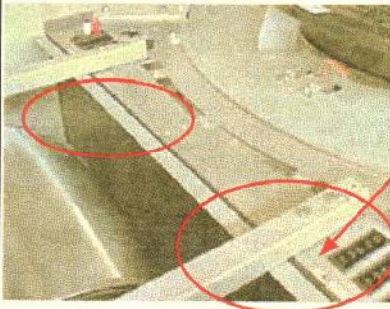



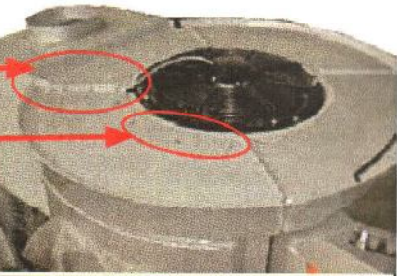
**Space requirements**

The space required for the Tower grows to 1570 mm in the depth dimension (when door is closed).



1	Put lower support joint on the floor.	
2	Screw the right and left lateral joints to the lower support joint, fan mounted laterally (on the right or on the left side).  Hexagon screws M6 x 12 (3120077000) and retainers ( 3120533000).	
3	Mount joint on the backside at the top, 2 M6 hexagon screws each (on the right and on the left).  Hexagon screws M6 x 12 (3120077000) and retainers ( 3120533000)..	
4	Screw fan mounting to a side part (right or left) (4 Hexagon screws M6 x 12 (3120077000) and retainers ( 3120533000).)	
5	Mount fan using 4 M6 nuts and retainers.	
6	Mount black bottom plate using 4 Hexagon screws M6 x 12 (3120077000) and retainers (3120533000).	
7	Mount backplate (8 M6 hexagon screws).	
8	Insert lateral plates behind the joint and mount them (on the right-hand and on the left-hand side) using 5 self-tapping screws 4,2 x 13 (3120568000).	



9	<p>Put cover on top and mount it using 6 self-tapping screws.</p> <p><b>Note! All pre-punched cutouts that are not required have to be masked, i.e. leave open only the one through which the fan blows.</b></p>	
10	<p>Put on the air-outlet conduit and mount it. (Here the exhaust is at the top). 4 pcs hexagon screws M6 x 16 and 4 pcs. nuts M6 (3120534500) and retainers (3120533000).</p> <p>Guide the fan cable into the interior at this time.</p>	
11	<p>Screw fan to the tower. 4 pcs. hexagon screws M6 x 45 (3120081500) and retainers (3120533000)</p> 	<p>bottom</p>  <p>Screws 3,9 x 12</p>
12	<p>Put rim on top and mount it. Insert the protection grid in the front part above the door. Protection grid:</p> 	<p>Protection grid in the rim above the door.</p> 
13	<p>Mount the cover plate: 12 pcs. lens head screws 4,2 x 9,5 (3120234000) and nuts 3,9 (3120539000), put cover plate on top and fixe it using 12 pcs. hexagon screws 4x20 (3120072000) and washers 4,3x12x1,25 (3120509500).</p> <p>Mount hose connection 4 pcs. hexagon screws M6x16 (3120078000) and retainers</p>	
14	<p>Fix exhaust-air hose..</p>	
15	<p>Wire the fan (plug connection in rear wall).</p>	





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