

## Replacement of 2400 Power Coil Cooling Fans – 2 x P/N: VN0017

**1**

Switch off the converter and wait 5 minutes before you remove any covers / side panels, to replace the Cooling Fans.

(Handle located behind rear panel ❶ shown on drawing in section 2)



### Warning!

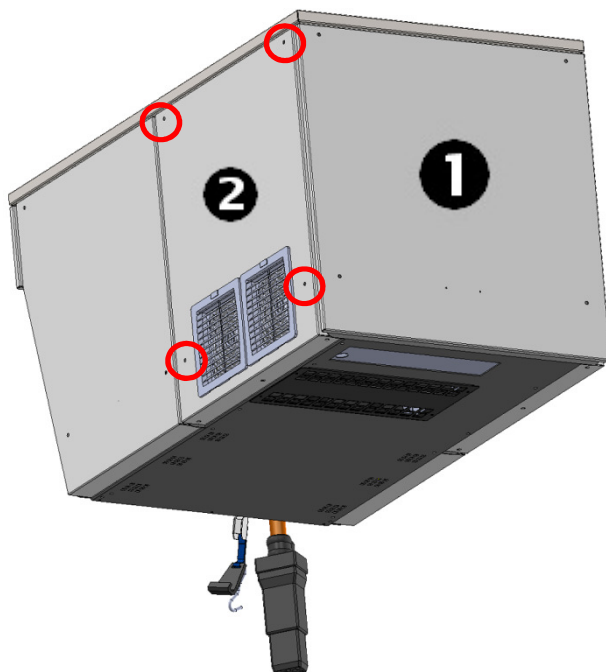
Capacitors remain charged to dangerous voltages.  
Discharge time: 5 minutes

### Caution!

Check that DC Voltage on the DC-Busbar, has discharged before proceeding.

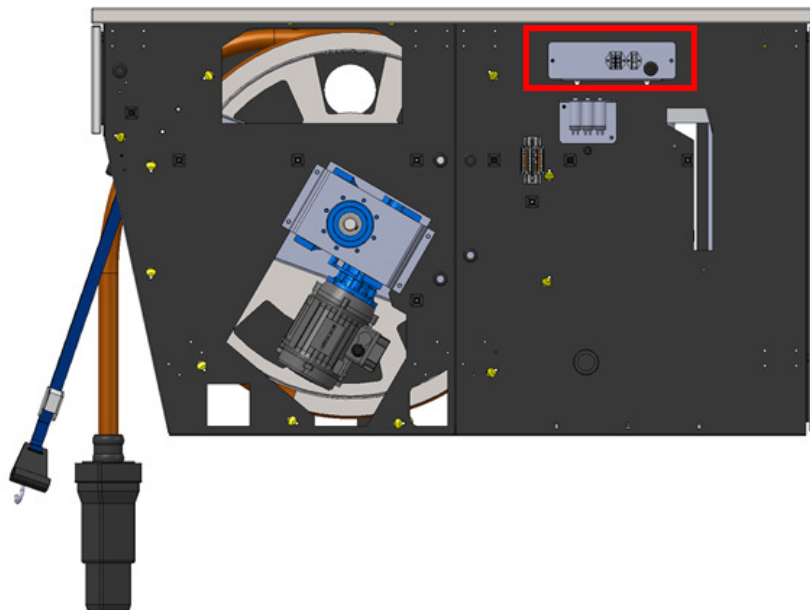
**2**



The Cooling Fans M1 & M2 are located behind the side cover ❷ on the right hand side of the Power Coil.

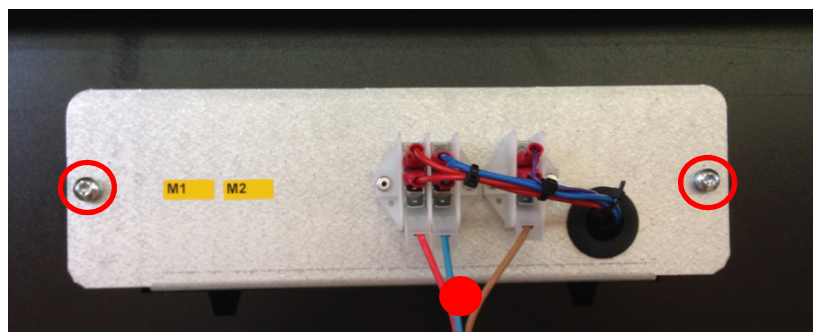


1. Remove the 4 bolts ❶ shown on picture above.

2. Fan Tray location  with (both) cover removed.



3. Fan Tray assembly detailed view below.  
Disconnect the 3 wires  (Red/Blue/Brown)  
and unscrew the 2 screws 



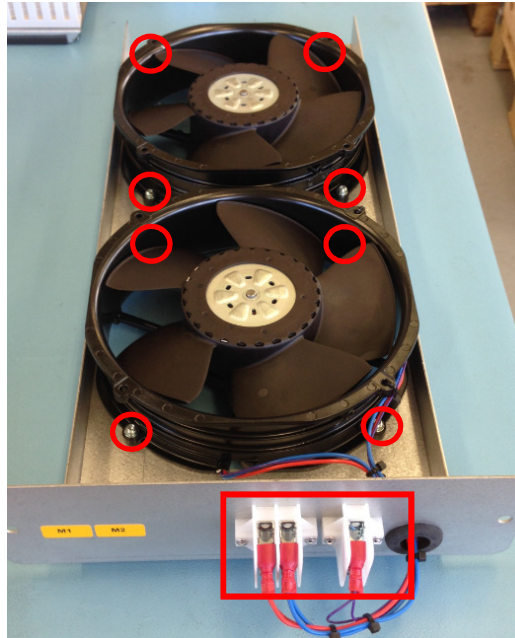
4. The Fan Tray assembly can now be pulled out.
5. Replace/slide in the new Fan Tray if you received a complete fan assembly. Fasten the 2 screws and retrofit the 3 wires. Proceed to section 6, to test the newly installed fans.

**Note!**

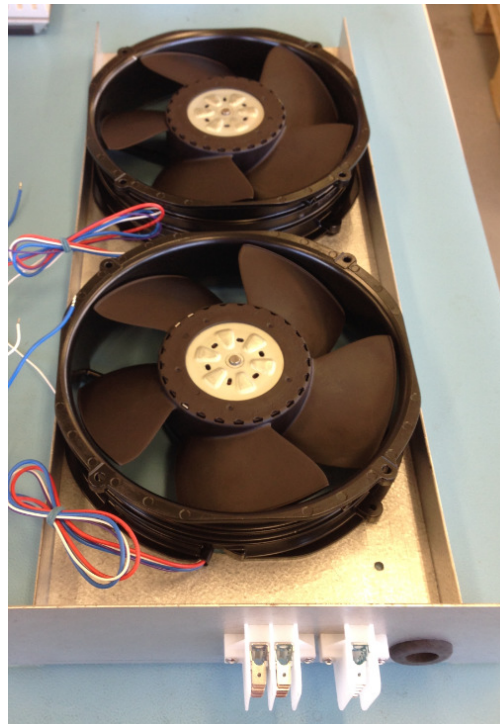
If you received 2 single fans proceed to section 3.

**3**

1. Place the removed Fan Tray assembly on a flat surface.
2. Disconnect the 6 wires  (Red/Blue/Purple) and the 8 screws   
And remove the 2 fans.




3. Place the 2 new fans on the tray and remove/cut the white wire. Mount the 8 screws and fasten the fans.



4. Feed the 6 wires through the front hole on the fan tray assembly



5. Cut the 6 wires in appropriate length and fit the 6 cable lugs.
6. Mount the 3 x 2 cables from left to right (Red/Blue/Purple) and secure the wires with the cable ties 

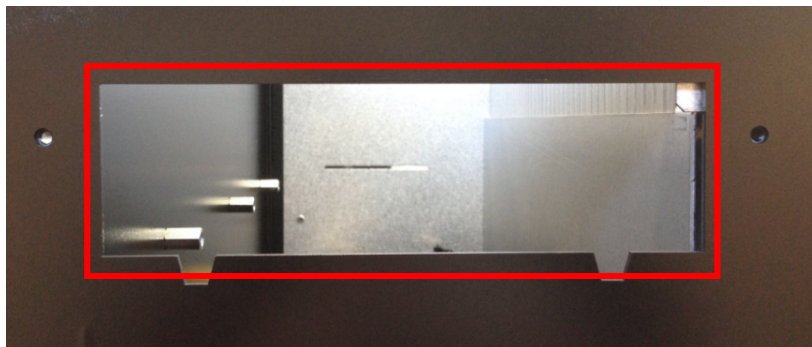




**4**



The fan tray assembly is now ready to retrofit into the unit.

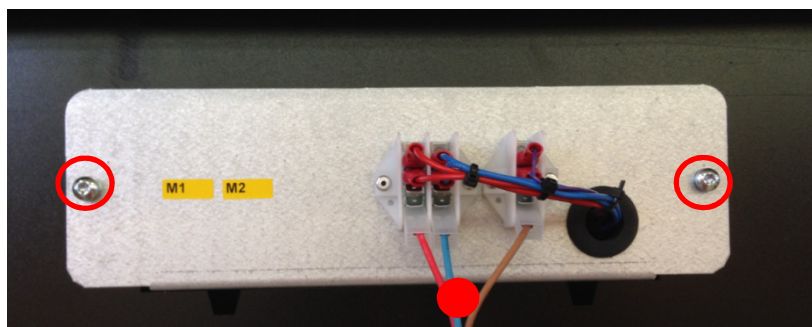
1. Insert/slide in the Fan tray assembly into the opening of the cubicle



**Note!**

**Observe that the fan tray assembly is pushed all the way in.**

2. Retrofit the 2 x screws marked   
and connect the 3 wires  (Red/Blue/Brown)

**5**

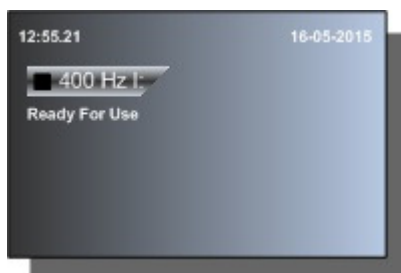
Install the side panel cover.

**6**

Switch on the converter and close rear panel.

**7**

Display should now show "Ready to use"




**Note!**

Display screen may vary depending on configuration.

**8**

Check the fans by going into the set up menu and set the fans to “Boost”.

From the default screen press the centre button  on keypad for approx. 10 seconds

**Note!**

If the Icon screen don't appear after pressing the centre button for 10 seconds, the display is locked and cant' be accessed.

Follow the below:

(which also can be found in the unit manuals)

### 7.1 Preventing changes of set-up parameters

To avoid unintentional modification of the Set-up parameters, it is possible to block the access to the Set-up Mode, by means of a DIP switch situated at the Display Board A3.

**Note!**

If the DIP switch is set to blocked, pressing the SW1 enables the user to enter the set-up menu within 10 seconds. After the time elapses the menu will be blocked again.

SW1


To prevent changes of the setup parameters, move the switch SW2:1 to the OFF position (DOWN).



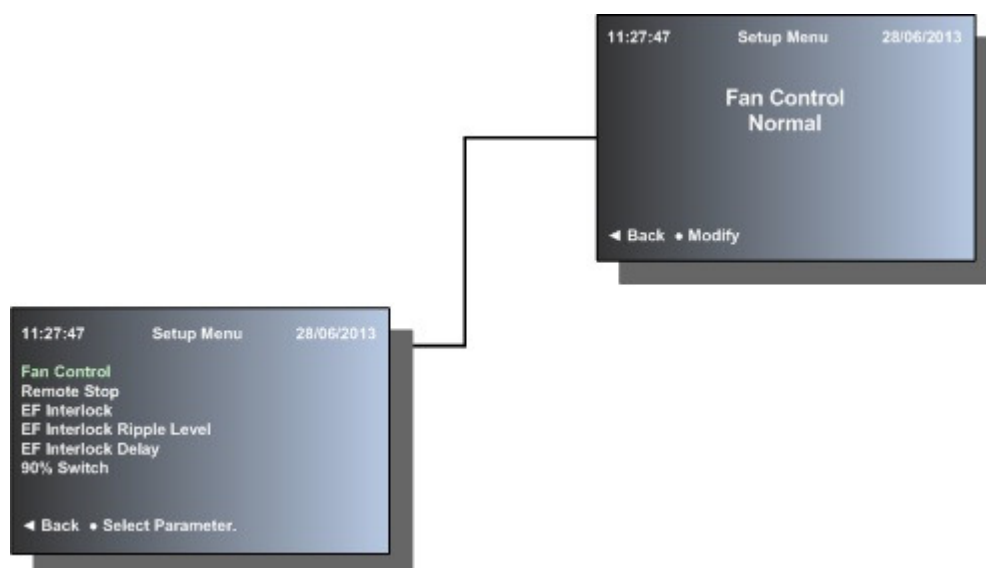
Fig. 7.1.1 Display Board A3

Icon screen then appears.



Highlight the  icon by using the navigation ◀▼▲▶ keys and press centre button.

Use the ▼/▲ to browse through the screens until the **Fan Control** screen appears and press centre button.



Press centre button to modify and use the ▼/▲ to change to “Boost”

**9**

Start the converter and observe air flow underneath the unit that the fans are running.

**10**

Stop the converter and remember to set back the Fan Control to the default settings.

Mount the back panel and fasten the screws.

**The unit is now ready for use.**