



**PURPOSE:**

The purpose of this document is to provide our Compact Fan installation instructions so you can fit your MAFI product correctly & ensure its effectiveness.

**RESPONSIBILITY:**

It is the owner / and or ship repairer's responsibility to correctly install the MAFI products. Any alterations or deviations should be carefully considered. MAFI would appreciate all deviations to be referenced, made aware & noted for future reference.

**WARRANTY:**

For the Compact engine room fan to be covered under the full 3 year warranty, the vessel needs to have MAFI intake separator grilles installed to ensure the protection of the fan and engine room.

**TOOLS, GUAGES & FIXTURES:**

Because of the variety of situations where our Compact Fans can be installed, no fixings are supplied with these fans.

They also do not require a drill template as the fans are light weight and easy to mark drill holes while being held in position.

**VESSEL PREPARATION:**

Confirm orientation and dry fit the fan.

NB: Pay special attention to the coverage area along with checking clearances and that all surfaces are flat, allowing full contact.



1. Pencil mark the fixing holes with the fan in place
2. Pre drill holes ready for self-tapping screws
3. Line the fan up with the screws and insert screws and fix into place. If you are using a mounting bracket, mark the screw positions prior to attaching the fan to the bracket for easier handling.
4. Ensure that all swarf and drilling debri is cleaned away
5. Connect the electrical supply and test the fan

| Fan Size | 9 Inch    | 12 Inch   |
|----------|-----------|-----------|
| Air Vol  | 250 L/sec | 700 L/sec |
| 12 Volt  | 8 amps    | 19 amps   |
| 24 Volt  | 4 amps    | 9 amps    |





### How To Change Compact Fan From Puller To Pusher

- Step 1: Disconnect the power supply.  
Place the DC compact Fan on its back - (Step 1 Photo)
- Step 2: Place two flat blade screwdrivers underneath the clip - (Step 2 Photo)  
Lift the screwdrivers up over the pin and push the clip off.  
Once the clip is removed, pull the impeller off the pin/shaft
- Step 3: Flip the impeller over and line the key way back up - (Step 3 Photo).  
You will note that the impeller will now say "Pusher" and not "Puller"  
Push down firmly to engage the impeller onto the key way.
- Step 4: Place the clip back into position and clip it back on - (Step 4 Photo)
- Step 5: Reverse the polarity.
- Step 6: Reconnect power and test.

**Step 1**



**Step 2**



**Step 3**



**Key Way**

**Step 4**

