



# JET 6 DTAC 208V ~ 60Hz 25A Installation, Operation and Maintenance Instructions

**IMPORTANT INSTRUCTIONS...Read all instructions before installing or using  
this heater... SAVE THESE INSTRUCTIONS**

## Important Instructions

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Read all instructions before installing or using this appliance.
2. This appliance is hot when in use; to avoid burns, do not let bare skin touch hot surfaces; keep combustible materials such as papers, clothes, bedding, etc. and curtains at least 1m from the heater.
3. Extreme caution is necessary when the unit is used by or near children or invalids and whenever it is left operating and unattended.
4. Do not use outdoors.
5. Do not operate any heater after it malfunctions; disconnect at service panel. Call a competent electrical technician to investigate.
6. Do not insert or allow foreign objects to enter the return or discharge grilles as this may cause an electrical shock, fire or damage to the appliance.
7. To prevent possible fire, do not block return and discharge air grilles in any manner.
8. Do not use where flammable vapors or liquids are store.
9. Use this appliance only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock or injury to persons and property.

**WARNING... Risk of fire. Do not use as a household or residential heater**

| Model | Electrical Input (W) | Weight (kg) | Heat Output (kW) |
|-------|----------------------|-------------|------------------|
| JET 6 | 4965                 | 5.5         | 6.0/3.0          |

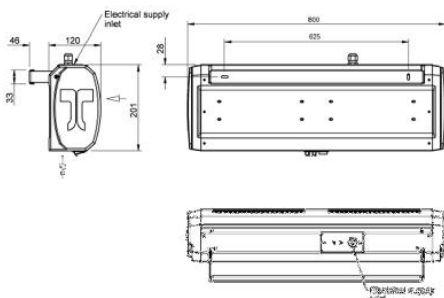


Figure 1: Jet 6 General Assembly Drawing

## CONTENTS

Remove from carton and check contents include:

- Thermoscreens Jet 6 Drive-Thru Air Curtain [DTAC] unit
- Mounting bracket [MB] c/w fixing hardware
- Cable gland

For warranty purposes please retain your receipt as proof of purchase.

## INSTALLATION

The DTAC is designed for surface mounting horizontally at a discharge height level to the sliding window header. Multiple DTACs mounted side by side may be used for wider openings. The DTAC must be mounted directly to the MB. The DTAC must not be located immediately below a socket outlet. **DO NOT INSTALL BOTTOM OF HEATER LESS THAN 550mm ABOVE PLATFORM.**

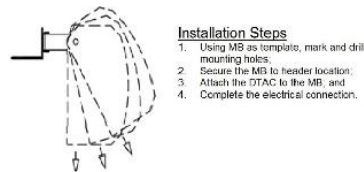


Figure 2: Window Header Mounting Guide

Before fitting DTAC, locate mounting hardware as necessary taking into account the window header design and unit weight (see Table 1). Using the MB as a template, determine an optimum location for the DTAC, place the MB on the target location, mark position of the fixing holes to be drilled. Using suitable fixing hardware, install the MB as required into position. Some internal header components may have to be moved before any drilling is conducted; it may be necessary to drill up from the header due to design configuration of the window clearance.

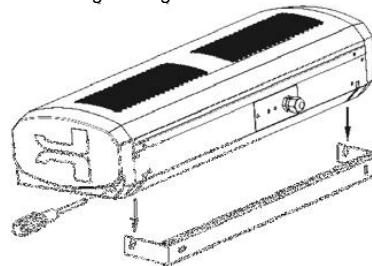


Figure 3: Mounting Bracket Alignment

Align and position mounting bracket into the two slots on the rear plate of the DTAC (refer to Figure 3). Ensure the serrated washer, at each end of the DTAC, is positioned between the mounting bracket and the internal hanging bracket (see Figure 4). Tilt and point DTAC into the preferred direction and firmly tighten both fixing screws. Using a Philips No. 2 screwdriver the fixing screws are tightened via access hole in each end cap.

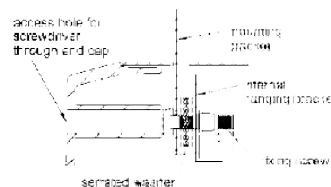
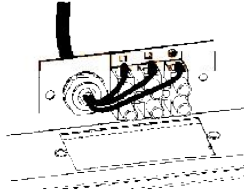


Figure 4: Cross Sectional View of Mounting Bracket

## ELECTRICAL CONNECTION

All electrical wiring and connections must be carried out by a competent qualified electrician in accordance with the latest wiring and/or local statutory regulations.

Ensure that the supply cables, circuit breakers and other electrical installation equipment are correctly sized for the DTAC being installed, see Table 1. For each DTAC a single phase local isolator with a contact separation on both poles of at least 3mm must be fitted to the supply wiring (the isolator must be fitted within an accessible position). The DTAC should be connected to a 208V 2-pole AC 60Hz electrical supply and must be earthed. Remove the two outer M4 x 12mm pan head Philips screws atop the DTAC and release the power connector plate. Fit cable gland to power connector plate. Insert electrical supply cable via cable gland (see Figure 5) and tighten gland around cable.

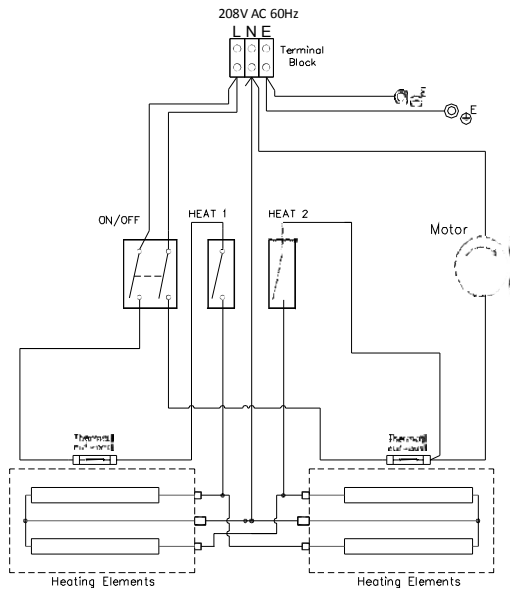


**Figure 5: Electrical Connection**

Connect each of the cables as follows:

- Live brown cable to terminal marked L or L1
- Neutral blue cable to terminal marked N or L2
- Earth green/yellow cable to terminal marked PE

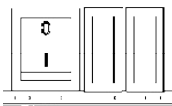
Position the electrical supply cables as they come out of the terminal block as shown in Figure 5. Ensure only sufficient cable is pulled through to enable connection to terminal block and to avoid excess cable coming into contact with any moving parts. Carefully insert all cables through the rectangular hole in the top of the DTAC and refit the power connector plate. Ensure mains supply cable is correctly and sufficiently strained by the plastic cable gland.



**Figure 6: Jet 6 Wiring Diagram**

#### OPERATION

Control of the DTAC is achieved by using the three integral switches mounted adjacent to the discharge grille.



| Switch           | Action          |
|------------------|-----------------|
| I                | Fan on          |
| I + Middle       | Fan + half heat |
| I + Middle + End | Fan + full heat |

The DTAC panels are coated in an easy to peel protective film. Please ensure all the protective film is removed before the DTAC is put into

service. Before leaving site it is important that the sliding window DTAC installation and these instructions are "Handed-Over" to the end user or their representative and the operation of it is fully explained and that they understand how it operates.

#### THERMAL SAFETY CUT-OUTS

If the DTAC exceeds normal operating temperature the thermal safety cut-outs will operate and isolate electrical supply to the heating elements. Thermoscreens recommend only competent qualified persons service the DTAC.

To reset the thermal safety cut-outs disconnect electrical supply to the DTAC, determine and resolve the cause of the fault. Allow DTAC sufficient time to cool before restoring supply. If the fault persists arrange for a competent technician to attend site and investigate. In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

#### SERVICE & MAINTENANCE

Always disconnect and isolate the main electrical supply before installing, maintaining or repairing this equipment. All maintenance/repairs should only be carried out by a competent electrician or Thermoscreens appointed technician. To ensure the DTAC operates efficiently, the air inlet and outlet grilles, fan impellers, housings and motors must be kept free of dust and debris. Regularly vacuum and clean any build-up of dirt and debris within the DTAC (please note that the motor is permanently lubricated and require no additional lubrication). Once the DTAC has been cleaned check all electrical connections within the unit ensuring terminals are tight and that crimped connections have not become loose. If the outer casing requires cleaning this should be carefully done using a warm soft cloth. Do not use solvents or abrasive materials. Reconnect the electrical supply and fully function test the DTAC to ensure correct operation.

#### WARRANTY

If any problems are encountered, please contact your installer or supplier. All units are covered by a one year warranty. Subject to availability we undertake to repair or exchange this product. Care has been taken in compiling these instructions to ensure they are correct, although Thermoscreens disclaims all liability for damage resulting from any inaccuracies and/or deficiencies in this documentation. Thermoscreens retain the right to change the specifications stated in these instructions.



Conforms to: CAN CSA-C22.2 no.46-13 & UL 2021(Ed.3): 2013