

Proteus Equipment

Innovative products for demanding environments

INSTALLATION MANUAL

Model *DS* range: Oil-fuelled Static Hot Box

Applies to all **Proteus** diesel & kerosene models



LID APPLICATION

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COUNTY PLANNING
HAMPSHIRE COUNTY COUNCIL



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CONTENTS PAGE

- 1.0 The site
 - 1.1 Concrete base
 - 1.2 Space around the Hot Box
 - 1.3 Ramp
 - 1.4 Fixing the Hot Box in place
- 2.0 Electrical Requirements
- 3.0 Fuel Requirements
- 4.0 Drawings
 - 4.1 Model HB20DS plan view: *Drawing M20DSPL3/1*
 - 4.2 Model HB30DS plan view: *Drawing M30DSPL2*



IN SUMMARY:

In preparation for the **delivery** of the equipment, the following **must be available on site:**

- Appropriate concrete base
- SINGLE PHASE 32 AMP power supply

In preparation for the **commissioning** of the equipment by Proteus engineers, the following **must also be available on site:**

- Electrical connection made
- Fuel in place

1.0 THE SITE

1.1 Concrete base

A Proteus Model DS Hot Box should be sited on a flat concrete area, which is not liable to flooding. See our Drawings M20DSPL1 and M30DSPL1.

It is extremely important that the area is as level as possible in order to provide “even” support to the box floor. The use of specialist equipment (such as a theodolite) is recommended if available, to ensure that this is achieved. The base should be a minimum strength of 50 Newton to support the combined weight of the Hot Box and the stored material, with an extra margin for the weight of the delivery truck and wheeled loaders. **Under no circumstances must the Box be seated on asphalt.**

1.2 Space around the Hot Box

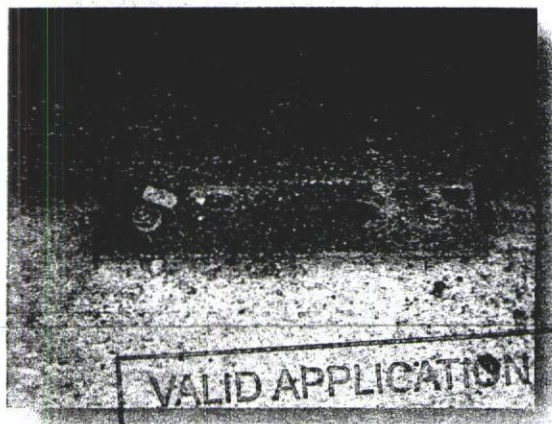
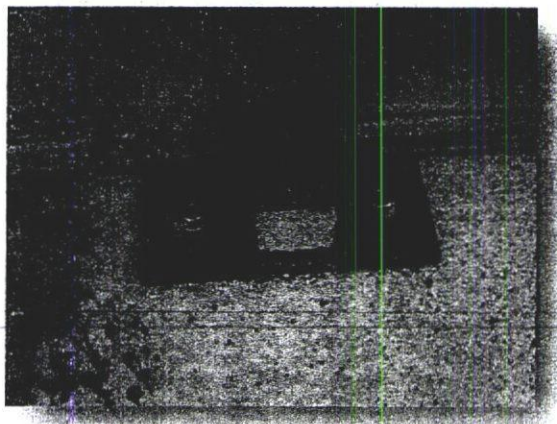
Ensure that there is sufficient space for a minimum of a one-metre walkway at the sides and at least 1.5m at the rear. Also ensure that there is sufficient space in front of the box for trucks to manoeuvre and to reverse into the box in a straight line.

1.3 Ramp

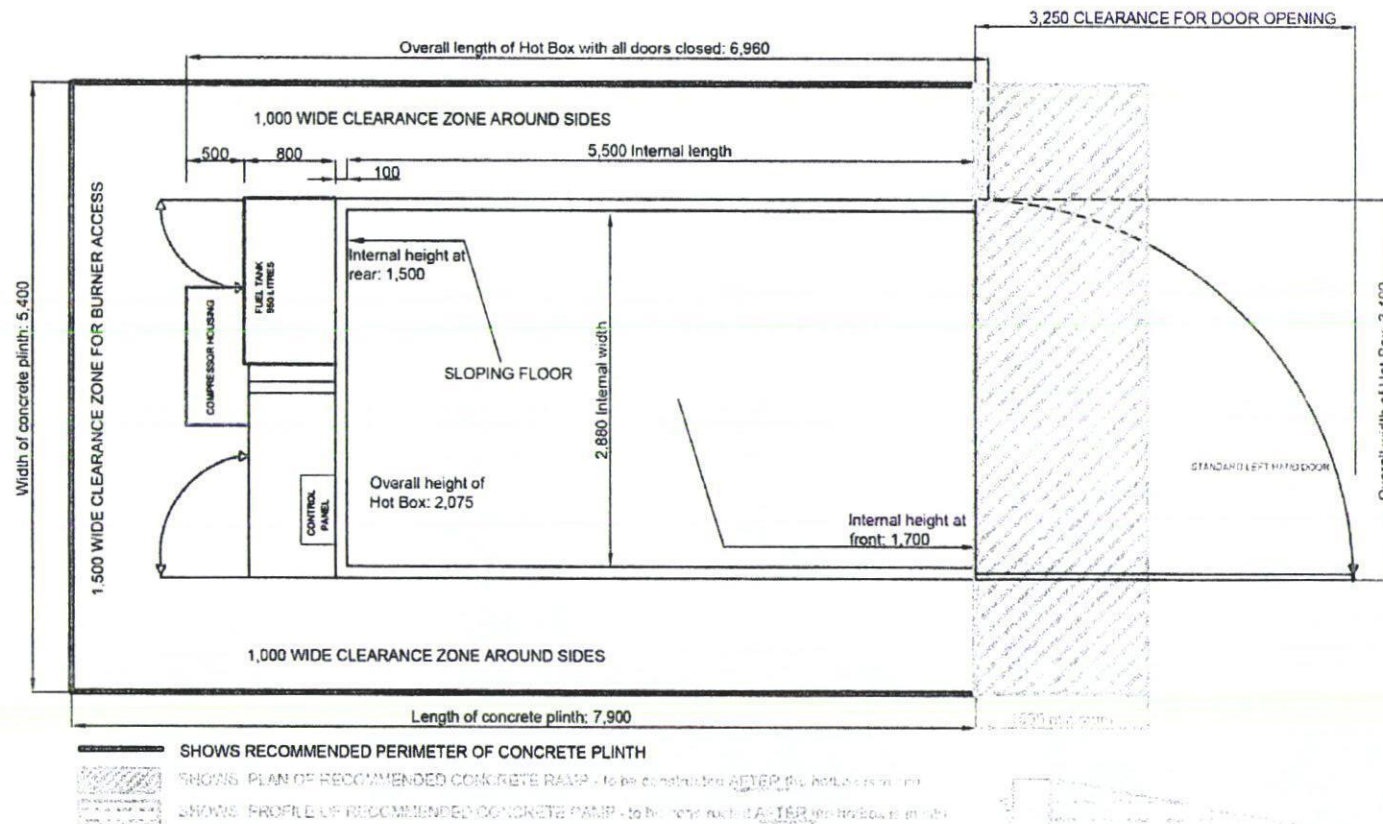
The customer will need to provide a ramp up to the base, which should be at least 1.5m in length and may be fabricated from steel, concrete, or spare asphalt. Construction of the ramp is best carried out after the box has been delivered to ensure that the correct dimensions are achieved. Care should be taken to avoid any “lip” between ramp and box so that the loader may easily clean up the entrance to the box without the loader bucket ‘snagging’.

1.4 Fixing the Hot Box in place

Note that this Proteus Hot Box is not to be bolted down to the concrete hard standing. Instead the box is held down by its own weight but restrained horizontally by means of four pieces of angle iron (minimum 40mm x 40mm size) so that it will not move if accidentally struck by a vehicle. The latter are to be supplied by the customer and, once in position, drilled & securely bolted into the concrete with appropriate concrete fixing bolts. However, it is important not to obstruct any air vents or the access to the burners at the rear and the job is best done once the Hot Box is on site.



4.2 Model HB30DS plan view
Drawing M30DSPL2



TITLE
Model 30DS/2 Diesel Hot Box

FOR
INSTALLATION INSTRUCTIONS

NOTES:
Modified from: M20DSPL1
Revised 22nd April 08
Revised 24th May 13

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