

45 FLASK WALK, LONDON NW3 1HH

# Design, access, and planning statement

PROPOSED AIR SOURCE HEAT PUMP

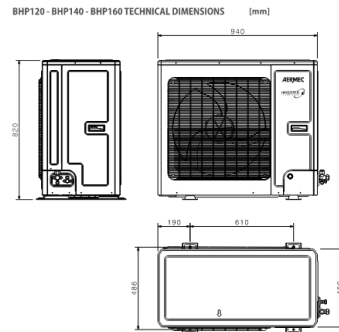
**Studio 303 Ltd**  
June 2023

## 1.0 INTRODUCTION

This statement is written in support of an application to install an air source heat pump (ASHP) which will satisfy the space heating and hot water requirements of the dwelling and will be located in the rear garden within an acoustic enclosure.

## 2.0 EQUIPMENT

The system is designed by Peng MEP Consulting Engineers and the ASHP shall be an Airmec BHP120 as illustrated below:



*Proposed ASHP*

## 3.0 ACOUSTIC REPORT

An acoustic assessment of this equipment has been carried out by ACA Acoustics including an on-site sound level survey and this assessment Ref: R30314-r001 forms part of the application documents. It is advised that the ASHP is installed in an acoustic louvred enclosure in compliance with the Local Authority's planning requirements.

## 4.0 ACOUSTIC ENCLOSURE

The enclosure shall be that manufactured by Environ: 1# Environ SC150 Louvred housing 9-10dBA sound reduction range. The external dimensions shall be W1250mm x D1025mm x H1050mm, with 150mm deep acoustic louvres as recommended and seated on anti-vibration mounts. The enclosure shall be powder coated as illustrated below.



*Proposed acoustic enclosure*

## **5.0 LOCATION AND ACCESS**

The unit shall be mounted the furthest possible distance from the NSR 1 identified in the acoustic report and 1m away from eastern and northern boundaries. See drawing No 651/225 which is submitted as part of the application. The unit itself shall be surrounded by proposed planting as a screen. The hard landscaping approved for the rear terrace shall be extended as a narrow path along the boundary with No 47 in order to facilitate maintenance.