

Project – Unit 15 Burmarsh Workshop – Installation of 3 extractor fans

We propose to install 3 extractor fans to improve the airflow of Unit 15 at Burmarsh. Each fan will require a 434 x 434 mm opening to be installed. The specifications are as below:

Electrical power rating (W)	85
Box Contents	Fan/Installation guide/Fixing kit/Grille
Extract performance (FID, M <sup>3</sup> /h) Max/Min	1162 / 1715
Extract performance (FID, l/s) Max/Min	179 / 476
Intake performance (FID, M <sup>3</sup> /h) high/low	815 / 969
Intake performance (FID, l/s) high/low	226 / 269
Sound pressure level db(A)@3m	48 / 54
Specific Fan Power (SFP) (W/l/s)	0.18
Operation Speeds	1
UK Guarantee (Years)	2
Weight (kg)	8.3
Universal Mounting Kit	Yes

To see the exactor fan we plan to install – please see the link below:

<https://www.xpelair.co.uk/product/90011AW/WX12-12inch-Wall-Fan-With-Wall-Liner>

**2 plans have been provided – documents:**

*Unit15-BurmarshWorkshop-small-existing.pdf*

*Unit15-BurmarshWorkshop-small-proposed.pdf*

**Fan 3:** The existing plan shows an existing fan – located in the WC & Wash room. We plan to expand this hole to input fan 3 (as shown on *Unit15-BurmarshWorkshop-small-proposed.pdf*).

*Please see the photo's below:*



Current fan installed



The exit for the extractor fan – the first black grate in the picture.

**Fan 1** will be installed on the outer wall next to the window – this will incorporate making a completely new entry point in the wall. Please see plans for more detailed instruction.



We plan to put the fan next to the windows.



The fan exit of the fan will be on the bricks next to the window.



This is the view of across from the workshop outside. It is not looked directly upon by any residential units.

**Fan 2:** We plan to install this fan near the entrance of the workshop. Below is the outside of the unit.



We will ensure that the exactor fan is safely positioned so not to be close to the door or the fire extinguishers.



Above is the inside of the unit. The fan will be positioned 270cm away from the entry door.