

Subject: Re: Bristol Hackspace Laser Cutter extraction

From: info@justaddsharks.co.uk

Date: 29/09/15 23:43

To: john.willis.10@virginmedia.com, info@justaddsharks.co.uk

CC: adamairmailed@yahoo.com, "Arthur Amarra" <aonsquared@gmail.com>, office@ejedv.at, tripwireuk@googlemail.com, John.Myers@dyson.com, chocojon@gmail.com, lee.radiocode@gmail.com, "Nic Marshall" <nic_marshall@hotmail.com>, "Ross Mowat" <rossmowatgg@gmail.com>, "Toby Scott" <tobscott@gmail.com>, "aarrgghh.co.uk" <aarrgghh@aarrgghh.co.uk>, "David Henshall" <david.henshall@googlemail.com>

You know it doesn't really work like that, China source appropriate fans from other manufacturers in China, whoever has them available at the time.

If it doesn't say on the fan it's going to be hard to track down the actual manufacturer.

Here are some stats we were given, I guess this gives you a good idea about how much volume you need to be shifting with your additional in line pump.

Power:750w ,pressure:2300pa flow:1200m3/h Rotate speed:2820r/m

As for the mdf, we use kitronik MDF commonly known as medite. It gives a much better/cleaner cut than the cheap and nasty B&Q stuff.

Martin

----- Original Message -----

From:

john.willis.10@virginmedia.com

To:

<info@justaddsharks.co.uk>

Cc:

<adamairmailed@yahoo.com>, "Arthur Amarra" <aonsquared@gmail.com>, <office@ejedv.at>, <tripwireuk@googlemail.com>, <John.Myers@dyson.com>, <chocojon@gmail.com>, <lee.radiocode@gmail.com>, "Nic Marshall" <nic_marshall@hotmail.com>, "Ross Mowat" <rossmowatgg@gmail.com>, "Toby Scott" <tobscott@gmail.com>, "aarrgghh.co.uk" <aarrgghh@aarrgghh.co.uk>, "David Henshall" <david.henshall@googlemail.com>

Sent:

Tue, 29 Sep 2015 22:42:58 +0100

Subject:

Re: Bristol Hackspace Laser Cutter extraction

Can you let us have the fan manufacturers info or the make & model so we can get it.

Thanks

On 29/09/15 21:38, info@justaddsharks.co.uk wrote:

I seem to remember that you had a rather long way to the outside world from the middle of that room. It might be that you need some kind of relay pump in the middle of that length, normally that extractor fan has to push a maximum of 2-3m and less if we're using the rigid blue pipes.

I have to admit we don't know a lot about flow rates and air pressures, it's rare that we meet anyone pushing volumes of air that distance. Sorry that's not more helpful

Martin

----- Original Message -----

From:

john.willis.10@virginmedia.com

To:

[<info@justaddsharks.co.uk>](mailto:info@justaddsharks.co.uk)

Cc:

["adamairmailed@yahoo.com"](mailto:adamairmailed@yahoo.com) [<adamairmailed@yahoo.com>](mailto:adamairmailed@yahoo.com), "Arthur Amarra" [<aonsquared@gmail.com>](mailto:aonsquared@gmail.com), ["office@ejedv.at"](mailto:office@ejedv.at) [<office@ejedv.at>](mailto:office@ejedv.at), ["tripwireuk@googlemail.com"](mailto:tripwireuk@googlemail.com) [<tripwireuk@googlemail.com>](mailto:tripwireuk@googlemail.com), ["John.Myers@dyson.com"](mailto:John.Myers@dyson.com) [<John.Myers@dyson.com>](mailto:John.Myers@dyson.com), ["chocojon@gmail.com"](mailto:chocojon@gmail.com) [<chocojon@gmail.com>](mailto:chocojon@gmail.com), ["lee.radiocode@gmail.com"](mailto:lee.radiocode@gmail.com) [<lee.radiocode@gmail.com>](mailto:lee.radiocode@gmail.com), "Nic Marshall" [<nic_marshall@hotmail.com>](mailto:nic_marshall@hotmail.com), "Ross Mowat" [<rossmowatgg@gmail.com>](mailto:rossmowatgg@gmail.com), "Toby Scott" [<tobscott@gmail.com>](mailto:tobscott@gmail.com), "aarrggh.co.uk" [<aarrggh@aarrggh.co.uk>](mailto:aarrggh@aarrggh.co.uk), "David Henshall" [<davidhenshall@googlemail.com>](mailto:davidhenshall@googlemail.com)

Sent:

Tue, 29 Sep 2015 20:58:33 +0100

Subject:

Bristol Hackspace Laser Cutter extraction

Apologies if anyone else has contacted you about this, but the extraction on our laser cutter doesn't seem to be performing correctly.

A couple of people raised concern about the level of fumes when cutting mdf and had sore throats. At the time we put it down to opening the lid too quickly at the end of the job.

We cut some acrylic last week and there was a quite a nasty smell while the machine was cutting with the lid closed. It had been ok before that while cutting laser ply.

Is this what you would expect.

What would you recommend to stop any fume / smells getting out of the machine while it is cutting.

Please let us have the fan pressure / volume information and any other info that would help us solve the problem.

What is the reason for your warning to not use materials containing formaldehydes.

Does this apply to mdf that contains free formaldehyde or does it also include mdf that uses Urea Formaldehyde resin binder.

What type and make of mdf do you use

Thanks

John Willis