

## The Xpelair Premier LV UltraDC Q&A sheet

### 1. What is the difference between AC and DC?

When energy is applied to a motor it is converted into shaft torque (turning the impeller) and heat. An UltraDC product is more efficient with its energy use. AC motors generate more heat and therefore energy is wasted. A DC motor will drive the fan but generate much less heat.

### 2. Why do we use DC?

Low energy use and longer life. Because it generates less heat, the motor the bearings and oil is under less stress considerably lengthening the life of the motor. Ultra DC motors in domestic products can reduce energy consumption by up to 80% and last up to five times longer depending on model and assuming it is maintained properly.

### 3. How does UltraDC comply with Part F1?

This fan can be set at the 'installed' extraction rates specified in Part F1 – table 1.1 of the Building Regulations under continuous extraction performances for WC, bathroom, utility room and kitchen. This fan can also comply to the intermittent requirements for WC and bathrooms. For intermittent ventilation in utility rooms and kitchens see other products in the Xpelair range.

### 4. Does it meet IEE regulations?

Premier LV Ultra DC is a Safety Extra Low Voltage (SELV) device with a remote transformer supply unit. The fan is rated at IP X5 which means it can be installed with complete confidence in the splash area of a bath or shower – Zone 1.

### 5. Does it help SAP compliance?

NO – not officially.

### 6. Does it help Part L compliance?

Yes. This product has low energy use. Part L recommends energy saving products are installed, and with low carbon emission targets. UltraDC is an attractive ventilation solution for helping a home become Part L friendly.

### 7. Can this unit be used for trickle with intermittent ventilation?

Yes, It is often good practice to have continuous background extract ventilation plus the intermittent ventilation rate (often referred to as boost speed) when the room is occupied. The fan will run continuously at a low speed with boost triggered via the integral pull cord, light switch, or remote sensor such as a PIR.

### 8. Does it work with a controller?

No need for an extra controller. Premier LV UltraDC has a built in delay timer, a quick visit delayed on function and an integral humidistat any of which can be selected at installation. The unit timer can be triggered by the room light switch. Alternatively the unit comes complete with a pull cord override.

### 9. How much electricity does the product use when running continuously?

3.5Watts (sanitary/WC), 3.9Watts (bathroom) and 5.0Watts (kitchen or utility room)

### 10. Can this product be used for bathroom and kitchen applications?

The fan is designed for bathroom and sanitary (WC) rooms as an intermittent fan and a continuous fan. However, in the kitchen and utility rooms the UltraDC can only run in continuous mode because of the Building Regulation performance requirements (13 l/s).

### 11. What types of ducting can be used when installing the product?

Flat ducting XFD - Profile 25 ducting (91104AA – 1m, 91105AA 1.5m – 91106AA 2m), Flexible ducting FD100 (89910AA), Condensation trap XCT100 (89749AA), Vent cowl VC10 (89531AA), Ceiling mounting kit XCMK (90066AA).

**12. Can the product be mounted in the ceiling?**

Yes. Remember if it within a shower room in zones one or two the SELV unit must be located outside of zones one and two.

**13. Can the product be mounted in a window?**

No.

**14. Can the product be surface or flush mounted?**

Yes.

**15. What ancillaries do I get with the product? i.e. wall liner outer grille, window kit, etc**  
SELV unit, fixing kit and a black outer grille.

**16. Can the product be installed within zones one and two?**

Yes. The unit comes with a SELV transformer, which must be located outside of zones one and two.

**17. What are the main advantages of your product over the competition?**

- The noise levels of the fan when in operation are lower than background noise (35db(A))
- UltraDC is rated at 22.8 db(A) when the fan is running on its lowest speed
- It has a 5 year warranty
- It uses a low energy motor giving it longer-life (up to 6 times longer than an AC)
- It is 80% cheaper to run than your average AC powered extractor fan
- Whole life product costs and low carbon products are increasingly becoming a standard requirement within the Local authorities
- It's backed by the expertise and services of Xpelair

**18. How much does the product cost if I desire to buy direct?**

We don't actually sell direct, our route is typically through the wholesale trade. The trade price is £147.00

**19. What is the guarantee period?**

We offer a five year warranty

**20. Is the guarantee inclusive of parts and labour?**

Yes

**21. Will your engineer come out to site?**

Yes

**22. What happens if my product fails outside of the warranty period?**

A call out charge will apply and the cost of the repair.

**23. Does the product have a filter?**

No

**24. Can a filter be added if required?**

No

**25. How do I clean the product?**

The actual centrifugal blade will not need to be cleaned due to the nature and speed rotation it tends to remain dirt free and it is also enclosed within the casing. However, should you wish to clean the product a small paint brush can be inserted into the air vent on the front (once the baffle has been removed) to give it a dust off. The outer baffle can be cleaned easily with a damp cloth.

**26. How much does it cost to run per year?**

£3.00 on average