



Our Ref: ENV-03271
Monday, 17 March 2014

For Attention of Barry Hillman
Hillman Designs
Tel. 07739 745205

Dear Barry,

Budget Proposal for Mechanical Ventilation Systems incorporating Heat Recovery (MVHR)
EnviroVent Project: ENV-03271 – Black Cap Camden

This is a budget estimate only and provides an approximate guide to actual costs.

If you would like to proceed with the project, we or an EnviroVent Partnership Installer can provide a quotation on which an order can be placed.

Further to your enquiry regarding the above project, we are pleased to provide you with our budget proposal for the supply only and supply & installation of the MVHR ventilation systems required.

Our proposal is for mechanical ventilation incorporating heat recovery, that satisfies the current building requirements as shown in Part F Building Regulations 2010, and we propose the supply only and supply & installation of CAD HE MINI 500 MVHR Unit and EnviroVent's EnergiSava 280 and EnergiSava 380 MVHR Unit and ducted system.

EnviroVent's MVHR units provide constant controlled ventilation to buildings without increasing the heat loss normally caused by extract only ventilation. The MVHR range of products are eligible for SAP Appendix Q entry and are Energy Saving Trust's best practice compliant.

The MVHR units will run continuously at a low trickle speed and when required the unit can be switched to a higher boost mode. The boost setting can be activated manually by a boost switch *(or via automatic humidity tracking available with our EnergiSava models only)*.

Please see attached product literature and table overleaf for further system specification details.

Proposed System Specification

Unit	<i>EnergiSava 280 (1no.) EnergiSava 380 (1no.) CAD HE MINI 500 (1no.)</i>	Size of Room Diffusers	<i>125mm dia White Powder Coated Metal</i>
Heat Efficiency of Unit	<i>Up to 90% (ESava 280) Up to 93% (ESava 380) Up to 92% (CAD HE MINI 500)</i>	External Terminations	<i>5in1 Roof Tile Vent (2no.) 204x60mm Airbrick (4no.)</i>
Summer Bypass Included? *	<i>Yes - EnergiSava 280 No- EnergiSava 380 No- CAD HE MINI 500</i>	Automatic Humidity Tracking	<i>Yes- EnergiSava 280 Yes- EnergiSava 380 No - CAD HE MINI 500</i>
Wireless or Hard Wired Controls?	<i>Wireless - EnergiSava 280 Wireless - EnergiSava 280 Wired - CAD HE MINI 500</i>	Fire-Stopping Included? ***	<i>No</i>
Ductwork Type **	<i>125mm dia round duct 150mm dia round duct 204x60mm flat duct</i>	Condensate Drainage Included? ****	<i>No</i>

* With an integral summer bypass, the heat exchanger will shut off to ensure that cooler outdoor air replaces the indoor air that has been heated during the day. The bypass is 100% which ensures that the full benefit of perception cooling is achieved.

** Please note all ductwork within a cold roof construction should be insulated, and it is assumed that this will be achieved by laying loft insulation on top of the ductwork (to be provided by others).

*** Where the ducted system penetrates a fire compartment wall or ceiling, we would recommend that intumescent fire damper collars are installed to prevent the spread of fire, smoke and hot gases. Where a fire strategy is provided and fire stopping is requested, we will only provide a proposal. This proposal should be checked and approved by Building Control or a suitably qualified person.

**** The condensation from the MVHR unit must be taken to a suitable discharge point and a suitable self sealing waste valve (HepVo non return valve or similar) may be required to prevent smells entering the ventilation system. If condensate is to be provided by EnviroVent, the final connection of the condensate drainage pipework from the unit to a waste pipe (by others) must be within 1.5m of the unit. This quotation does not allow for condensate pumps if they are required.

The proposals are based upon the information that has been provided and due to on-site conditions it is possible that location of the air diffusers and the ducting may require adjustment, and so it is difficult to allow for all eventualities and as such, additional ducting and fittings may be required.

We trust the above and enclosed information proves to be of assistance and we look forward to discussing this project in more detail.

Yours sincerely,

Mark Isles
Sales Manager

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Mob: 07739 320952

Budget Proposal Summary – SUPPLY ONLY

Budget Proposal for Mechanical Ventilation Systems incorporating Heat Recovery (MVHR)
 EnviroVent Project: ENV-03271 – Black Cap Camden

For the supply only of mechanical ventilation with heat recovery systems to suit the following properties :-	
Black Cap Camden –	
Plot 1 (1st Floor) – 1 x CAD HE MINI 500 MVHR ducted system	£5,692.25
Plot 2 (2nd + 3rd Floor) – 1 x EnviroVent’s EnergiSava 380 MVHR ducted system	£2,210.00
Plot 3 (3rd Floor) – 1 x EnviroVent’s EnergiSava 280 MVHR ducted system	£1,860.00
Total (3 Properties)	£9,762.25

The prices shown are net direct to nominated contractor only, for the purposes of this project only.

Please refer to the attached summary of assumptions/exclusions.
 This price is valid for a period of 3 months.
 This price excludes V.A.T. at the prevailing rate.

Budget Proposal Summary –SUPPLY & FIT

Budget Proposal for Mechanical Ventilation Systems incorporating Heat Recovery (MVHR)
 EnviroVent Project: ENV-03271 – Black Cap Camden

<p>For the supply, installation, commissioning and balancing of mechanical ventilation with heat recovery systems to suit the following properties :-</p> <p>Black Cap Camden –</p>	
<p>Plot 1 (1st Floor) – 1 x CAD HE MINI 500 MVHR ducted system G1 Type – Installation, commissioning and balancing</p>	<p>£5,692.25 £785.00</p>
<p>Plot 2 (2nd + 3rd Floor) – 1 x EnviroVent’s EnergiSava 380 MVHR ducted system G2 Type – Installation, commissioning and balancing</p>	<p>£2,210.00 £715.00</p>
<p>Plot 3 (3rd Floor) – 1 x EnviroVent’s EnergiSava 280 MVHR ducted system G3 Type – Installation, commissioning and balancing</p>	<p>£1,860.00 £505.00</p>
<p>Total (3 Properties)</p>	<p>£11,767.25</p>

The prices shown are net direct to nominated contractor only, for the purposes of this project only.

Please refer to the attached summary of assumptions/exclusions.

This price is valid for a period of 3 months.

This price excludes V.A.T. at the prevailing rate.

Summary of Assumptions and Exclusions

Budget Proposal for Mechanical Ventilation Systems incorporating Heat Recovery (MVHR)
EnviroVent Project: ENV-03271 – Black Cap Camden

Assumptions

1. The proposal is based upon the information and drawings provided.
2. All component parts required to complete the MVHR system have been included within this proposal, with the exception of components specifically itemised below in the Exclusions. Included within this proposal are the prices for the MVHR unit, all ducting and components, switches, extract and supply diffusers and external terminations.
3. We have included for the supply only of all external terminations within this proposal. Should you require an alternative external louvre then the equivalent area should be at least equal to the one that we have specified.
4. The price is subject to acceptance of the Assumptions and Exclusions included within this letter.
5. EnviroVent cannot guarantee the performance of the ducted system if alternative designs are used, or if the installation is completed by others.
6. The system design assumes that there is the available space to accommodate the MVHR units & the ducted system.
7. If applicable, the installation work is to be unobstructed by building constraints or other services (ie. the installation of the ductwork should occur prior to the 1st fix of plumbing & electrical services).
8. If the supply only option is taken then we can forward a composite parts list with prices upon receipt of the order. The quotation will be valid as per the list only, with any additional materials required being extra.
9. Where a fire strategy is provided and fire stopping is requested, we will only provide a proposal. This proposal should be checked and approved by Building Control or a suitably qualified person.
10. If condensate is to be provided by EnviroVent, the final connection of the condensate drainage pipework from the unit to a waste pipe (by others) must be within 1.5m of the unit. We recommend the use of a HEPVO non return valve or similar to be installed on the condensate pipework. This quotation does not allow for condensate pumps if they are required.
11. Ducting does not require offsetting against any structural obstructions not visible on the drawings provided.
12. All units to have a fused spur within 1m of the unit to allow for electrical connection with suitable boost wiring.
13. It is important to fit the unit on a wall with at least 200 kg/m³ density, to ensure that the sound exposure is not too high for dwelling requirements.

Exclusions

1. The installation of the external terminations has been excluded – to be completed by others.
2. A secure lockable container for storage of materials on-site – ductwork to be stored within property. Please note that there will need to be a secure location for the storage of the MVHR units.
3. All boxing in of ductwork or the making good has excluded – to be completed by others.
4. All builders work has been excluded – this includes the cutting of all internal and external holes required for the ductwork and all terminations through internal & external metalwork, masonry and timberwork. All holes will need to be made before installation of 1st fix ducting.
5. **Full ductwork insulation. We have included for 1m of insulated duct from each external termination only.**
6. All associated electrical works and electrical testing in accordance with 17th Edition of I.E.E. wiring regulations including all control wiring (refer to wiring diagrams for details).
7. All scaffolding and any access platform if required has been excluded.
8. V.A.T. at the prevailing rate.