

Ref: MK/1679

Date: 14th December 2016

Ken McCullagh
Clonlea Lodge
Ballinteer Road
Dublin 16,
Co. Dublin

Proposed Installation of a Beam Central Vacuum / Mechanical Ventilation System from Beam

Dear Ken,

Thank you for giving us the opportunity to provide a quotation for a Beam Central Vacuum / AXCO mechanical ventilation system from Beam.

We have been delivering dust and air movement systems to residential and industrial customers in Ireland & UK since 1977. We have designed and installed systems for all types of industrial clients, many large private home developers, hundreds of hotels, nursing homes, offices and religious buildings, as well as thousands of new build and existing homes.

We provide a Guarantee of Quality, allowing you to buy with confidence from Beam. We are accredited with Investors in People, ISO 9001, ISO 14001, OHSAS 18001 Quality Standards, and are BPEC certified.

Our exclusive, high quality products are manufactured in the UK, USA and Europe by world leading manufacturers.

Our high powered Beam Central Vacuum Systems by Electrolux when integrated into your home are more advanced, powerful, convenient and hygienic than any other cleaning system...
...that's **BUILT-IN CONVENIENCE.**

Our low energy efficient Axco Mechanical Ventilation systems when integrated into your home provide continuous clean, fresh, filtered air and will help reduce future energy bills...
...that's **BUILT-IN FRESHNESS.**

Beam have been delivering quality products and service for over 35 years. Which is why, when it comes to experience, expertise, customer support and market leading products at best value for money, 70,000+ customers throughout UK & Ireland trust Beam...
...that's **BUILT-IN BRILLIANCE.**

We have provided overleaf a tailor-made quotation which details the correct and most energy efficient vacuum and/or ventilation system to suit your needs and budget, and which fully complies with current building regulations.

(Continued Overpage)

Beam Vacuum & Ventilation

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Beam Vacuum & Ventilation is a trading name of Beam Vacuum Systems Ltd

Company Registration No. NI 36691



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| MVHR System | An experienced technical engineer has surveyed your drawings and based on the information provided, has calculated / designed an Axco from Beam MVHR Model C130 ventilation system which will attain 0.43 air changes per hour on normal running and complies with your regional building control regulations. | |
| Axco C130 Unit Description | <p>Manufactured in the UK for Beam Vacuum & Ventilation to the highest standards, this unit is Energy Saving Trust (EST) Best Practice Compliant. The combination of extremely low power consumption and a highly efficient heat exchange is specifically designed to enhance the building's energy performance via SAP/DEAP assessment procedures.</p> <ul style="list-style-type: none"> Extremely low power consumption via latest EC fans with SFP (Specific Fan Power) 0.5 wls⁻¹ Highly efficient heat exchange. – up to 92% efficient Demand controlled ventilation when a rise in humidity. Manual control boost switch also provided. Setback option for unoccupied periods Fully adjustable boost overrun timer 0-60 minutes. Automatic/manual set to suit occupants lifestyle. Unique design temperature controlled summer bypass with SummerBoost assists comfort cooling in summertime. G4 filters as standard. Intelligent frost protection - built-in to prevent freezing Internally insulated in high density Expandable Polypropylene Manufactured in Zintec®steel complete with high gloss baked resin finish for long life Measurements: 24kg. 790 W x 665 H x 495 W |   |
| Control | <p>Aurastat® is an advanced remote Programmable controller and display and is connected to the MVHR system via a wired connection, typically located in central location:</p> <ul style="list-style-type: none"> Fault Alert indicator, Filter Change Alert, Fan Speed Display, Frost Protection Programme, MVHR run timer, Holiday Mode, Temperature display, Boost Dual Overrun, Boost Dual Timer and Boost Dual Delay, Boost Inhibit, Digital Humidity control |  |
| Solid Ducting | We only use precision engineered metal and plastic fittings, ducting and silencers, mechanically fastened and sealed at every joint. 125-250mm insulated smoothflow rigid ducting provides higher heat efficiency, low pressure loss resulting in a lower energy use and the system will be quieter due to efficient low velocity. This solid ducting is resistant to crush damage and thereafter can be cleaned and maintained if required. | |
| Ceiling Valves | Superior flush mounted adjustable metal extract and supply ceiling valves | |
| System Price | 1 No. Axco MVHR C130 ventilation system complete with Aurastat control, all necessary smoothflow rigid metal and plastic ducting, insulation and fittings, and a total of 14 white metal extraction and distribution valves | Price: €3,900.00 |
| System Installation | Designed by an experienced technical team and installed by Beam engineers or our nationwide distributors / installers. System installation includes 1 st & 2 nd fix. | Price: €1,395.00 |
| Testing & Commissioning | System balancing, commissioning and testing, control set-up, demonstration on use, care and maintenance. | Price: €375.00 |
| | Follow up service 6 months after your system is commissioned to ensure your ventilation system is operating efficiently. | Included |
| Total Price: €5,670.00 (Plus VAT) | | |

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| MVHR System | An experienced technical engineer has surveyed your drawings and based on the information provided, has calculated / designed an Axco from Beam MVHR Heru Range: Model 100S ventilation system which will attain 0.43 air changes per hour on normal running and complies with your regional building control regulations. | |
| Axco Heru 100S Unit Description | <p>This Axco MVHR unit incorporates the latest heat recovery technology with a Rotating Heat Exchanger. Designed and built in Sweden for Beam Vacuum & Ventilation, this exclusive award winning technology offers many practical advantages over conventional systems.</p> <ul style="list-style-type: none"> High efficiency aluminium Rotary Heat Exchanger provides automatic climate control and requires no condensate drain. Up to 83% efficient. Recuperates moisture & heat energy, improving Indoor Air Quality and comfort. Large surface long-life Pollen Grade F7 filter (inlet and outlet) is the highest specification available for any ventilation system. Enersave® (Automatic Temperature Guidance) sets control for heat recovery in winter and summer seasons. Works in conjunction with automatic summer cooling. System runs at minimal energy consumption during warmer summer months. Low energy, high performance EC fans. Heavy duty commercial grade construction in zinc galvanised steel. Insulated with 50mm dense mineral wool for quietness and facilitates use in any cold space Measurements: 62kg. 1077 L x 555 W x 474 H |  |
| Control | <p>Axco Heru MVHR systems are operated via a wireless remote control with an operating range of approximately 50m and works through walls and floors. The intuitive programmable remote control displays performance information including:</p> <ul style="list-style-type: none"> Fresh air intake, exhaust air, supply air and extract air temperatures, Fan speeds / RPM, Rotating heat exchanger diagnostics, Heating / Cooling requirement, status, Optional Carbon Dioxide / relative humidity level, Holiday mode, Ventilation boost on/off |  |
| Solid Ducting | We only use precision engineered metal and plastic fittings, ducting and silencers, mechanically fastened and sealed at every joint. 125-250mm insulated smoothflow rigid ducting provides higher heat efficiency, low pressure loss resulting in a lower energy use and the system will be quieter due to efficient low velocity. This solid ducting is resistant to crush damage and thereafter can be cleaned and maintained if required. | |
| Ceiling Valves | Superior flush mounted adjustable metal extract and supply ceiling valves | |
| System Price | 1 No. Axco HERU MVHR 100S ventilation system complete with wireless remote control, all necessary smoothflow rigid metal and plastic ducting, insulation and fittings, and a total of 14 white metal extraction and distribution valves | Price: €4,415.00 |
| System Installation | Designed by an experienced technical team and installed by Beam engineers or our nationwide distributors / installers. System installation includes 1 st & 2 nd fix. | Price: €1,395.00 |
| Testing & Commissioning | System balancing, commissioning and testing, control set-up, demonstration on use, care and maintenance. | Price: €375.00 |
| | Follow up service 6 months after your system is commissioned to ensure your ventilation system is operating efficiently. | Included |
| Total Price: €6,185.00 (Plus VAT) | | |

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| Beam Central Vacuum System | An experienced technical engineer has surveyed your drawings and based on the information provided, recommends a Beam Mundo to be installed. | |
| Mundo Unit Description | <p>This Beam Mundo vacuum unit features a strong motor performance with high suction power and long life. A compact and affordable unit for smaller houses.</p> <ul style="list-style-type: none"> • High performance, high efficiency Flow-Thru motor; • GORE-TEX fabric self-cleaning filter removes tiny particles at 98% efficiency at .03 microns; • Sound Level 63dB • 3 year warranty • Measurements: 28 w x 92 h (cm) |  |
| Cleaning Hose & Tools | <ul style="list-style-type: none"> • 9m standard cleaning hose • Lightweight aluminium telescopic cleaning wand; • Combination pedal brush (hard floors & carpets); • Soft bristle round dusting brush; • Broad width hard floor brush; • Upholstery brush; • Crevice nozzle; • Snap-on Tool Caddy; • Hose Hanger; • Plastic Tool Caddy. |  |
| Vacpan | <p>A standard feature of every Beam Central Vacuum System, a Vacpan is located in the toe space of your kitchen and is the ultimate in kitchen convenience. Just activate the switch with your toe and the dirt is whisked away.</p> <p>A Chrome Coverplate is available at €18.36</p> |  |
| Ducting Kit and Vacuum Inlets | <p>3 Inlet Ducting Kit includes all necessary 2" PVC smoothflow vacuum ducting and fittings.</p> <p>Premium designer white plastic inlets, exclusive to Beam, come as standard. (Upgrades to matt Brass or matt Chrome are available @ €15.50 each).</p> <p>All Terrain Flexible Ducting (ATFD) may be required if the power unit is installed in a detached garage. Price: €10.00 per m.</p> |  |
| System Price | <p>1 No. Beam Mundo vacuum power unit, complete with 9m hose & toolkit, Vacpan for kitchen area, and ducting kit for 3 automatic white inlets.</p> <p>Power Unit Location: Under stairs/Utility</p> | Price: €865.00 |
| System Installation | <p>Installed by Beam engineers or our nationwide distributors / installers, your Beam system installation includes 1st & 2nd fix, hanging of vacuum power unit and system commissioning, demonstration on use, care and maintenance.</p> | Price: €585.00 |
| Total System Installed Price: €1,450.00 (Plus VAT) | | |

Exclusions:

- Builders work;
- Please allow for Fused Outlet by vacuum / ventilation unit(s) location 13amp, 240volt.
- Roof Cows
- Enclosing Ducts
- Fire Collars
- Any External & Internal Plenum Boxes included in price but are to be fitted by builder
- Concrete Core Drilling of slabs

Terms:

- Quotation valid for 90 days
- Deposit of 1/3 required on all systems
- All goods remain the property of Beam Vacuum & Ventilation until payment has been received in full
- Our prices are based on your floor plans submitted. (If there are any changes to this layout, we may have to recalculate the final contract price)
- If lighting design is being incorporated please supply details in order to ensure correct location of ventilation points

Our commitment to you is unrivalled. We genuinely value your custom and will take pride in ensuring we will deliver the correct ventilation system for you.

I will contact you shortly to discuss the proposal further. In the meantime, if you have any questions, please do not hesitate to contact me.

Yours sincerely

Beam Vacuum & Ventilation



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Technical Engineer

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Beam: Built in Brilliance©