



## Midi

- The unit will:
  - > be manufactured by Vectaire Ltd.
  - > be constructed from steel sheet with an epoxy paint finish and have a thermo-acoustic lining to ensure extremely low noise levels.
  - > be suitable for installation on walls, in cupboards or in lofts.
  - > have a condensate tray and drain connections for connection by others.
  - > have a high efficiency counterflow heat exchanger with a thermal efficiency of up to 94%
  - > have two low energy, high efficiency EC fan motor assemblies.
  - > have a specific fan power from 0.50 W/l/s.
  - > have two G3 grade filters to protect the heat exchanger.
  - > will operate in temperature up to 60°C
  - > have an automatic summer bypass
  - > have an integral frost-stat
- Units without humidistats shall be capable of being handed for left or right mounting without any on-site assembly.
- Access to filters shall be from the front by removing two magnetic strips.
- The unit shall incorporate the following control features:
  - Standard**
    - > independent variable speed adjustment for each motor for trickle, boost and purge speeds.
    - > adjustable boost speed over-run timer from 0 to 90 minutes.
    - > adjustable boost speed delay from 0 to 5 minutes
    - > remote purge - adjustable purge speed over-run timer from 0 to 250 minutes, preset to 15 minutes (adjustable at factory).
    - > adjustable night time boost and purge inhibitor
    - > integral frost-stat - proportionally reduces intake motor speed as temperature falls
    - > summer bypass - automatic bypass of heat exchanger in hot weather
  - Factory Set**
    - > change of ductwork handing on humidistat version (trip point can be set at manufacture)
    - > integral humidistat - proportionally increases motor speeds with rising humidity
    - > 0-10V connections can be added for:
      - BMS - for remote motor shut-off
      - CO<sub>2</sub> detector
      - home automation system
      - external pre-heater
      - 3 speed selector switch
    - > remote purge
    - > purge speed over-run time
    - > holiday mode for reduced speeds when property is unoccupied (factory set option)
    - > run-time and power outage counters downloadable via QR code.
- LCD touch screen (optional) informs user of:
  - > operating speed (user adjustable)
  - > internal and external temperatures
  - > status icons shows which functions currently controlling fan speed
  - > date and time (user adjustable)
  - > relative humidity level
  - > bypass status
  - > error and service notifications
  - > filter saturation level (reset after changing)
  - > user can also set system to holiday mode and set language
- (Loft mounted units can be provided with an optional, remote LCD touch screen).
- A Commissioning Kit (or LCD touch screen) will allow the commissioning engineer or installer to set the following parameters:
  - > Time and Date
  - > Holiday Mode
  - > Trickle, boost and purge speeds for each motor
  - > Boost speed delay time duration
  - > Boost over-run time duration
  - > Night time boost inhibitor times
  - > Touch screen sensitivity calibration
  - > Pre-heater threshold (if fitted)
  - > Handed installations
  - > Activate CO<sub>2</sub> detector or home automation system (if fitted)
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
  - > manufactured in UK to ISO 9001
  - > have a 5 year warranty -1 year parts and labour and 4 years parts only
  - > be SAP PCDB Listed
- Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
- An electronic copy of this specification is available on request.



## Midi-BY-AT

- The unit will:
    - > be manufactured by Vectaire Ltd.
    - > be constructed from steel sheet with an epoxy paint finish and the case lined and insulated with Class "O" fire resistant acoustic foam to ensure extremely low noise levels.
    - > be suitable for installation on walls, in cupboards or in lofts.
    - > have a condensate tray and drain connections for connection by others.
    - > have a high efficiency counterflow heat exchanger with a thermal efficiency of up to 94%
    - > have two low energy, high efficiency EC fan motor assemblies.
    - > have a specific fan power from 0.50 W/l/s.
    - > have two G3 grade filters to protect the heat exchanger
    - > will operate in temperature up to 60°C
    - > have an automatic summer bypass
    - > have an integral frost-stat
  - Units without humidistats shall be capable of being handed for left or right mounting without any on-site assembly.
  - Access to filters shall be from the front by removing two magnetic strips.
  - The unit shall incorporate the following control features:
    - Standard**
      - > independent variable speed adjustment for each motor for trickle, boost and purge speeds.
      - > adjustable boost speed over-run timer from 0 to 90 minutes.
      - > adjustable boost speed delay from 0 to 5 minutes
      - > remote purge - adjustable over-run timer from 0 to 250 minutes, preset to 15 minutes (adjustable at factory).
      - > adjustable night time boost and purge inhibitor
      - > integral frost-stat - proportionally reduces intake motor speed as temperature falls
      - > summer bypass - automatic bypass of heat exchanger in hot weather
    - Factory Set**
      - > change of ductwork handing on humidistat version (trip point can be set at manufacture)
      - > integral humidistat - proportionally increases motor speeds with rising humidity
      - > 0-10V connections can be added for:
        - BMS - for remote motor shut-off
        - CO<sub>2</sub> detector
        - home automation system
        - external pre-heater
      - > 3 speed selector switch
      - > remote purge
      - > purge speed over-run time
      - > holiday mode for reduced speeds when property is unoccupied (factory set option)
      - > run-time and power outage counters downloadable via QR code.
- LCD touch screen informs user of:
    - > operating speed (user adjustable)
    - > internal and external temperatures
    - > status icons shows which functions currently controlling fan speed
    - > date and time (user adjustable)
    - > relative humidity level
    - > bypass status
    - > error and service notifications
    - > filter saturation level (reset after changing)
    - > user can also set system to holiday mode and set language
  - (Loft mounted units can be provided with a remote LCD touch screen).
  - The LCD touch screen will allow the commissioning engineer or installer to set the following parameters:
    - > Time and Date
    - > Holiday Mode
    - > Trickle, boost and purge speeds for each motor
    - > Boost speed delay time duration
    - > Boost over-run time duration
    - > Night time boost inhibitor times
    - > Touch screen sensitivity calibration
    - > Pre-heater threshold (if fitted)
    - > Handed installations
    - > Activate CO<sub>2</sub> detector or home automation system (if fitted)
  - The unit will:
    - > be CE marked
    - > comply with:
      - Part L1A 2013 of Building Regulations for enhanced energy saving capability
      - Part F 2013 of Building Regulations for reliable, efficient ventilation
      - EU RoHS Directive Compliant
      - IEC60335-2-80, LVD2006/95/CE and
      - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
    - > manufactured in UK to ISO 9001
    - > be SAP PCDB Listed
    - > have a 5 year warranty -1 year parts and labour and 4 years parts only
  - Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
  - An electronic copy of this specification is available on request.



## Maxi

- The unit will:
  - > be manufactured by Vectaire Ltd.
  - > be constructed from steel sheet and the case lined and insulated to ensure extremely low noise levels.
  - > be suitable for installation on walls, in cupboards or in lofts.
  - > have a condensate tray and drain connections for connection by others.
  - > have a high efficiency counterflow heat exchanger with a thermal efficiency of up to 92%
  - > have two low energy, high efficiency EC fan motor assemblies.
  - > have a specific fan power from 0.40 W/l/s.
  - > have two G3 grade filters to protect the heat exchanger
  - > will operate in temperature up to 60°C
  - > have an automatic summer bypass
  - > have an integral frost-stat
- Units without humidistats shall be capable of being handed for left or right mounting without any on-site assembly.
- Access to filters shall be from the front by removing two magnetic strips.
- The unit shall incorporate the following control features:
  - Standard**
    - > independent variable speed adjustment for each motor for trickle, boost and purge speeds.
    - > adjustable boost speed over-run timer from 0 to 90 minutes.
    - > adjustable boost speed delay from 0 to 5 minutes
    - > remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
    - > adjustable night time boost and purge inhibitor
    - > integral frost-stat - proportionally reduces intake motor speed as temperature falls
    - > summer bypass - automatic bypass of heat exchanger in hot weather
  - Factory Set**
    - > change of ductwork handing on humidistat version (trip point can be set at manufacture)
    - > integral humidistat - proportionally increases motor speeds with rising humidity
    - > 0-10V connections can be added for:
      - BMS - for remote motor shut-off
      - CO<sub>2</sub> detector
      - home automation system
      - external pre-heater
    - > 3 speed selector switch
    - > remote purge
    - > purge speed over-run time
    - > holiday mode for reduced speeds when property is unoccupied (factory set option)
    - > run-time and power outage counters downloadable via QR code.
- LCD touch screen (optional) informs user of:
  - > operating speed (user adjustable)
  - > internal and external temperatures
  - > status icons shows which functions currently controlling fan speed
  - > date and time (user adjustable)
  - > relative humidity level
  - > bypass status
  - > error and service notifications
  - > filter saturation level (reset after changing)
  - > user can also set system to holiday mode and set language
- (Loft mounted units can be provided with a remote LCD touch screen).
- A Commissioning Kit (or LCD touch screen) will allow the commissioning engineer or installer to set the following parameters:
  - > Time and Date
  - > Holiday Mode
  - > Trickle, boost and purge speeds for each motor
  - > Boost speed delay time duration
  - > Boost over-run time duration
  - > Night time boost inhibitor times
  - > Touch screen sensitivity calibration
  - > Pre-heater threshold (if fitted)
  - > Handed installations
  - > Activate CO<sub>2</sub> detector or home automation system (if fitted)
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
  - > manufactured in UK to ISO 9001
  - > be SAP PCDB Listed
  - > have a 5 year warranty -1 year parts and labour and 4 years parts only
- Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
- An electronic copy of this specification is available on request.



## Maxi-BY-AT

- The unit will:
  - > be manufactured by Vectaire Ltd.
  - > be constructed from steel sheet with an epoxy paint finish and the case lined and insulated with Class "O" fire resistant acoustic foam to ensure extremely low noise levels.
  - > be suitable for installation on walls, in cupboards or in lofts.
  - > have a condensate tray and drain connections for connection by others.
  - > have a high efficiency counterflow heat exchanger with a thermal efficiency of up to 92%
  - > have two low energy, high efficiency EC fan motor assemblies.
  - > have a specific fan power from 0.40 W/l/s.
  - > have two G3 grade filters to protect the heat exchanger
  - > will operate in temperature up to 60°C
  - > have an automatic summer bypass
  - > have an integral frost-stat
- Units without humidistats shall be capable of being handed for left or right mounting without any on-site assembly.
- Access to filters shall be from the front by removing two magnetic strips.
- The unit shall incorporate the following control features:
  - Standard**
    - > independent variable speed adjustment for each motor for trickle, boost and purge speeds.
    - > adjustable boost speed over-run timer from 0 to 90 minutes.
    - > adjustable boost speed delay from 0 to 5 minutes
    - > adjustable purge speed over-run timer from 0 to 250 minutes, preset to 15 minutes (adjustable at factory).
    - > adjustable night time boost and purge inhibitor
    - > integral frost-stat - proportionally reduces intake motor speed as temperature falls
    - > summer bypass - automatic bypass of heat exchanger in hot weather
  - Factory Set**
    - > change of ductwork handing on humidistat version (trip point can be set at manufacture)
    - > integral humidistat - proportionally increases motor speeds with rising humidity
    - > 0-10V connections can be added for:
      - BMS - for remote motor shut-off
      - CO<sub>2</sub> detector
      - home automation system
      - external pre-heater
      - 3 speed selector switch
    - > purge speed over-run time
    - > holiday mode for reduced speeds when property is unoccupied (factory set option)
    - > run-time and power outage counters downloadable via QR code.
- LCD touch screen informs user of:
  - > operating speed (user adjustable)
  - > internal and external temperatures
  - > status icons shows which functions currently controlling fan speed
  - > date and time (user adjustable)
  - > relative humidity level
  - > bypass status
  - > error and service notifications
  - > filter saturation level (reset after changing)
  - > user can also set system to holiday mode and set language
- (Loft mounted units can be provided with a remote LCD touch screen).
- The LCD touch screen will allow the commissioning engineer or installer to set the following parameters:
  - > Time and Date
  - > Holiday Mode
  - > Trickle, boost and purge speeds for each motor
  - > Boost speed delay time duration
  - > Boost over-run time duration
  - > Night time boost inhibitor times
  - > Touch screen sensitivity calibration
  - > Pre-heater threshold (if fitted)
  - > Handed installations
  - > Activate CO<sub>2</sub> detector or home automation system (if fitted)
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
  - > manufactured in UK to ISO 9001
  - > be SAP PCDB Listed
  - > have a 5 year warranty -1 year parts and labour and 4 years parts only
- Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
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# Maxi Plus BY

- The unit will:
  - > be manufactured by Vectaire Ltd.
  - > be constructed from steel sheet and the case lined and insulated to ensure extremely low noise levels.
  - > be suitable for installation on walls, in cupboards or in lofts.
  - > have a condensate tray and drain connections for connection by others.
  - > have a high efficiency counterflow heat exchanger with a thermal efficiency of up to 89%
  - > have two low energy, high efficiency EC fan motor assemblies.
  - > have a specific fan power from 0.46 W/l/s.
  - > have two G3 grade filters to protect the heat exchanger
  - > will operate in temperature up to 60°C
  - > have an automatic summer bypass
  - > have an integral frost-stat
- Units without humidistats shall be capable of being handed for left or right mounting without any on-site assembly.
- Access to filters shall be from the front by removing two magnetic strips.
- The unit shall incorporate the following control features:
  - Standard**
    - > independent variable speed adjustment for each motor for trickle, boost and purge speeds.
    - > adjustable boost speed over-run timer from 0 to 90 minutes.
    - > adjustable boost speed delay from 0 to 5 minutes
    - > remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
    - > adjustable night time boost and purge inhibitor
    - > integral frost-stat - proportionally reduces intake motor speed as temperature falls
    - > summer bypass - automatic bypass of heat exchanger in hot weather
  - Factory Set**
    - > change of ductwork handing on humidistat version (trip point can be set at manufacture)
    - > integral humidistat - proportionally increases motor speeds with rising humidity
    - > 0-10V connections can be added for:
      - BMS - for remote motor shut-off
      - CO<sub>2</sub> detector
      - home automation system
      - external pre-heater
    - > 3 speed selector switch
    - > remote purge
    - > purge speed over-run time
    - > holiday mode for reduced speeds when property is unoccupied (factory set option)
    - > run-time and power outage counters downloadable via QR code.
- LCD touch screen (optional) informs user of:
  - > operating speed (user adjustable)
  - > internal and external temperatures
  - > status icons shows which functions currently controlling fan speed
  - > date and time (user adjustable)
  - > relative humidity level
  - > bypass status
  - > error and service notifications
  - > filter saturation level (reset after changing)
  - > user can also set system to holiday mode and set language
- (Loft mounted units can be provided with a remote LCD touch screen).
- A Commissioning Kit (or LCD touch screen) will allow the commissioning engineer or installer to set the following parameters:
  - > Time and Date
  - > Holiday Mode
  - > Trickle, boost and purge speeds for each motor
  - > Boost speed delay time duration
  - > Boost over-run time duration
  - > Night time boost inhibitor times
  - > Touch screen sensitivity calibration
  - > Pre-heater threshold (if fitted)
  - > Handed installations
  - > Activate CO<sub>2</sub> detector or home automation system (if fitted)
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
  - > manufactured in UK to ISO 9001
  - > be SAP PCDB Listed
  - > have a 5 year warranty -1 year parts and labour and 4 years parts only
- Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
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# Maxi Plus BY AT

- The unit will:
  - > be manufactured by Vectaire Ltd.
  - > be constructed from steel sheet with an epoxy paint finish and the case lined and insulated with Class "O" fire resistant acoustic foam to ensure extremely low noise levels.
  - > be suitable for installation on walls, in cupboards or in lofts.
  - > have a condensate tray and drain connections for connection by others.
  - > have a high efficiency counterflow heat exchanger with a thermal efficiency of up to 89%
  - > have two low energy, high efficiency EC fan motor assemblies.
  - > have a specific fan power from 0.46 W/l/s.
  - > have two G3 grade filters to protect the heat exchanger
  - > will operate in temperature up to 60°C
  - > have an automatic summer bypass
  - > have an integral frost-stat
- Units without humidistats shall be capable of being handed for left or right mounting without any on-site assembly.
- Access to filters shall be from the front by removing two magnetic strips.
- The unit shall incorporate the following control features:
  - Standard**
    - > independent variable speed adjustment for each motor for trickle, boost and purge speeds.
    - > adjustable boost speed over-run timer from 0 to 90 minutes.
    - > adjustable boost speed delay from 0 to 5 minutes
    - > remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
    - > adjustable night time boost and purge inhibitor
    - > integral frost-stat - proportionally reduces intake motor speed as temperature falls
    - > summer bypass - automatic bypass of heat exchanger in hot weather
  - Factory Set**
    - > change of ductwork handing on humidistat version (trip point can be set at manufacture)
    - > integral humidistat - proportionally increases motor speeds with rising humidity
    - > 0-10V connections can be added for:
      - BMS - for remote motor shut-off
      - CO<sub>2</sub> detector
      - home automation system
      - external pre-heater
    - > 3 speed selector switch
    - > remote purge
    - > purge speed over-run time
    - > holiday mode for reduced speeds when property is unoccupied (factory set option)
    - > run-time and power outage counters downloadable via QR code.
- LCD touch screen informs user of:
  - > operating speed (user adjustable)
  - > internal and external temperatures
  - > status icons shows which functions currently controlling fan speed
  - > date and time (user adjustable)
  - > relative humidity level
  - > bypass status
  - > error and service notifications
  - > filter saturation level (reset after changing)
  - > user can also set system to holiday mode and set language
- (Loft mounted units can be provided with a remote LCD touch screen).
- The LCD touch screen will allow the commissioning engineer or installer to set the following parameters:
  - > Time and Date
  - > Holiday Mode
  - > Trickle, boost and purge speeds for each motor
  - > Boost speed delay time duration
  - > Boost over-run time duration
  - > Night time boost inhibitor times
  - > Touch screen sensitivity calibration
  - > Pre-heater threshold (if fitted)
  - > Handed installations
  - > Activate CO<sub>2</sub> detector or home automation system (if fitted)
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
  - > manufactured in UK to ISO 9001
  - > be SAP PCDB Listed
  - > have a 5 year warranty -1 year parts and labour and 4 years parts only
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## EVO200

available Summer 2019

- The unit will:
  - > be manufactured by Vectaire Ltd.
  - > be constructed from galvanised steel sheet, be no more than 200mm deep, and have thermo-acoustic lining to ensure extremely low noise levels.
  - > be suitable for installation in-line in ceilings, voids or lofts
  - > have drain connections for connection by others.
  - > have a high efficiency counterflow heat exchanger with a thermal efficiency of up to 94% .
  - > have two low energy, high efficiency EC fan motor assemblies.
  - > have a specific fan power from 0.64 W/l/s.
  - > have G3 grade filters to protect the heat exchanger.
  - > have an automatic summer bypass
  - > have an integral frost-stat
- Units without humidistats shall be capable of being handed for left or right mounting without any on-site assembly.
- Access to filters shall be from the bottom by removing two magnetic strips.
- The unit shall incorporate the following control features:
  - Standard**
    - > independent variable speed adjustment for each motor for trickle, boost and purge speeds.
    - > adjustable boost speed over-run timer from 0 to 90 minutes.
    - > adjustable boost speed delay from 0 to 5 minutes
    - > remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
    - > adjustable night time boost and purge inhibitor
    - > integral frost-stat - proportionally reduces intake motor speed as temperature falls
    - > summer bypass - automatic bypass of heat exchanger in hot weather
  - Factory Set**
    - > change of ductwork handing on humidistat version (trip point can be set at manufacture)
    - > integral humidistat - proportionally increases motor speeds with rising humidity
    - > 0-10V connections can be added for:
      - BMS - for remote motor shut-off
      - CO<sub>2</sub> detector
      - home automation system
      - external pre-heater
    - > 3 speed selector switch
    - > remote purge
    - > purge speed over-run time
    - > holiday mode for reduced speeds when property is unoccupied (factory set option)
    - > run-time and power outage counters downloadable via QR code.
- Remote (optional) LCD touch screen informs user of:
  - > operating speed (user adjustable)
  - > internal and external temperatures
  - > status icons shows which functions currently controlling fan speed
  - > date and time (user adjustable)
  - > relative humidity level
  - > bypass status
  - > error and service notifications
  - > filter saturation level (reset after changing)
  - > user can also set system to holiday mode and set language
- An LCD Commissioning Kit will allow the commissioning engineer or installer to set the following parameters:
  - > Time and Date
  - > Holiday Mode
  - > Trickle, boost and purge speeds for each motor
  - > Boost speed delay time duration
  - > Boost over-run time duration
  - > Night time boost inhibitor times
  - > Touch screen sensitivity calibration
  - > Pre-heater threshold (if fitted)
  - > Handed installations
  - > Activate CO<sub>2</sub> detector or home automation system (if fitted)
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
  - > manufactured in UK to ISO 9001
  - > have a 5 year warranty -1 year parts and labour and 4 years parts only
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- An electronic copy of this specification is available on request.



## EVO250

- The unit will:
  - > be manufactured by Vectaire Ltd.
  - > be constructed from galvanised steel sheet, be no more than 250mm deep, and have thermo-acoustic lining to ensure extremely low noise levels.
  - > be suitable for installation in-line in ceilings, voids or lofts
  - > have drain connections for connection by others.
  - > have a high efficiency counterflow heat exchanger with a thermal efficiency of up to 88% .
  - > have two low energy, high efficiency EC fan motor assemblies.
  - > have a specific fan power from 0.70 W/l/s.
  - > have G3 grade filters to protect the heat exchanger.
  - > have an automatic summer bypass
  - > have an integral frost-stat
- Units without humidistats shall be capable of being handed for left or right mounting without any on-site assembly.
- Access to filters shall be from the bottom by removing two magnetic strips.
- The unit shall incorporate the following control features:
  - Standard**
    - > independent variable speed adjustment for each motor for trickle, boost and purge speeds.
    - > adjustable boost speed over-run timer from 0 to 90 minutes.
    - > adjustable boost speed delay from 0 to 5 minutes
    - > remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
    - > adjustable night time boost and purge inhibitor
    - > integral frost-stat - proportionally reduces intake motor speed as temperature falls
    - > summer bypass - automatic bypass of heat exchanger in hot weather
  - Factory Set**
    - > change of ductwork handing on humidistat version (trip point can be set at manufacture)
    - > integral humidistat - proportionally increases motor speeds with rising humidity
    - > 0-10V connections can be added for:
      - BMS - for remote motor shut-off
      - CO<sub>2</sub> detector
      - home automation system
      - external pre-heater
    - > 3 speed selector switch
    - > remote purge
    - > purge speed over-run time
    - > holiday mode for reduced speeds when property is unoccupied (factory set option)
    - > run -time and power outage counters downloadable via QR code.
- Remote (optional) LCD touch screen informs user of:
  - > operating speed (user adjustable)
  - > internal and external temperatures
  - > status icons shows which functions currently controlling fan speed
  - > date and time (user adjustable)
  - > relative humidity level
  - > bypass status
  - > error and service notifications
  - > filter saturation level (reset after changing)
  - > user can also set system to holiday mode and set language
- An LCD Commissioning Kit will allow the commissioning engineer or installer to set the following parameters:
  - > Time and Date
  - > Holiday Mode
  - > Trickle, boost and purge speeds for each motor
  - > Boost speed delay time duration
  - > Boost over-run time duration
  - > Night time boost inhibitor times
  - > Touch screen sensitivity calibration
  - > Pre-heater threshold (if fitted)
  - > Handed installations
  - > Activate CO<sub>2</sub> detector or home automation system (if fitted)
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
  - > manufactured in UK to ISO 9001
  - > be SAP PCDB Listed
  - > have a 5 year warranty -1 year parts and labour and 4 years parts only
- Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
- An electronic copy of this specification is available on request.





## EVO90

- The unit will:
  - > be manufactured by Vectaire Ltd.
  - > be constructed from galvanised steel sheet, be no more than 250mm deep, and have thermo-acoustic lining to ensure extremely low noise levels.
  - > be suitable for installation in-line in ceilings, voids or lofts
  - > have drain connections for connection by others.
  - > have a high efficiency counterflow heat exchanger with a thermal efficiency of up to 79% .
  - > have two low energy, high efficiency EC fan motor assemblies.
  - > have a specific fan power from 0.71 W/l/s.
  - > have G3 grade filters to protect the heat exchanger.
  - > have an automatic summer bypass
  - > have an integral frost-stat
- Units without humidistats shall be capable of being handed for left or right mounting without any on-site assembly.
- Access to filters shall be from the bottom by removing two magnetic strips.
- The unit shall incorporate the following control features:
  - Standard**
    - > independent variable speed adjustment for each motor for trickle, boost and purge speeds.
    - > adjustable boost speed over-run timer from 0 to 90 minutes.
    - > adjustable boost speed delay from 0 to 5 minutes
    - > remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
    - > adjustable night time boost and purge inhibitor
    - > integral frost-stat - proportionally reduces intake motor speed as temperature falls
    - > summer bypass - automatic bypass of heat exchanger in hot weather
  - Factory Set**
    - > change of ductwork handing on humidistat version (trip point can be set at manufacture)
    - > integral humidistat - proportionally increases motor speeds with rising humidity
    - > 0-10V connections can be added for:
      - BMS - for remote motor shut-off
      - CO<sub>2</sub> detector
      - home automation system
      - external pre-heater
    - > 3 speed selector switch
    - > remote purge
    - > purge speed over-run time
    - > holiday mode for reduced speeds when property is unoccupied (factory set option)
    - > run-time and power outage counters downloadable via QR code.
- Remote (optional) LCD touch screen informs user of:
  - > operating speed (user adjustable)
  - > internal and external temperatures
  - > status icons shows which functions currently controlling fan speed
  - > date and time (user adjustable)
  - > relative humidity level
  - > bypass status
  - > error and service notifications
  - > filter saturation level (reset after changing)
  - > user can also set system to holiday mode and set language
- An LCD Commissioning Kit will allow the commissioning engineer or installer to set the following parameters:
  - > Time and Date
  - > Holiday Mode
  - > Trickle, boost and purge speeds for each motor
  - > Boost speed delay time duration
  - > Boost over-run time duration
  - > Night time boost inhibitor times
  - > Touch screen sensitivity calibration
  - > Pre-heater threshold (if fitted)
  - > Handed installations
  - > Activate CO<sub>2</sub> detector or home automation system (if fitted)
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
  - > manufactured in UK to ISO 9001
  - > have a 5 year warranty -1 year parts and labour and 4 years parts only
- Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
- An electronic copy of this specification is available on request.



## EVO350

- The unit will:
    - > be manufactured by Vectaire Ltd.
    - > be constructed from galvanised steel sheet and have thermo-acoustic lining to ensure extremely low noise levels
    - > be suitable for installation in-line in ceilings, voids or lofts
    - > have drain connections for connection by others.
    - > have a high efficiency counterflow heat exchanger with a thermal efficiency of up to 88% .
    - > have two low energy, high efficiency EC fan motor assemblies.
    - > have a specific fan power from 0.67 W/l/s.
    - > have G3 grade filters to protect the heat exchanger.
    - > have an automatic summer bypass
    - > have an integral frost-stat
  - Access to filters shall be from the bottom by removing two magnetic strips
  - The unit shall incorporate the following control features:
    - Standard**
      - > independent variable speed adjustment for each motor for trickle, boost and purge speeds.
      - > adjustable boost speed over-run timer from 0 to 90 minutes.
      - > adjustable boost speed delay from 0 to 5 minutes
      - > remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
      - > adjustable night time boost and purge inhibitor
      - > integral frost-stat - proportionally reduces intake motor speed as temperature falls
      - > summer bypass - automatic bypass of heat exchanger in hot weather
    - Factory Set**
      - > change of ductwork handing on humidistat version (trip point can be set at manufacture)
      - > integral humidistat - proportionally increases motor speeds with rising humidity
      - > 0-10V connections can be added for:
        - BMS - for remote motor shut-off
        - CO<sub>2</sub> detector
        - home automation system
        - external pre-heater
      - > 3 speed selector switch
      - > remote purge
      - > purge speed over-run time
      - > holiday mode for reduced speeds when property is unoccupied (factory set option)
      - > run-time and power outage counters downloadable via QR code.
- Remote (optional) LCD touch screen informs user of:
    - > operating speed (user adjustable)
    - > internal and external temperatures
    - > status icons shows which functions currently controlling fan speed
    - > date and time (user adjustable)
    - > relative humidity level
    - > bypass status
    - > error and service notifications
    - > filter saturation level (reset after changing)
    - > user can also set system to holiday mode and set language
  - An LCD Commissioning Kit will allow the commissioning engineer or installer to set the following parameters:
    - > Time and Date
    - > Holiday Mode
    - > Trickle, boost and purge speeds for each motor
    - > Boost speed delay time duration
    - > Boost over-run time duration
    - > Night time boost inhibitor times
    - > Touch screen sensitivity calibration
    - > Pre-heater threshold (if fitted)
    - > Handed installations
    - > Activate CO<sub>2</sub> detector or home automation system (if fitted)
  - The unit will:
    - > be CE marked
    - > comply with:
      - Part L1A 2013 of Building Regulations for enhanced energy saving capability
      - Part F 2013 of Building Regulations for reliable, efficient ventilation
      - EU RoHS Directive Compliant
      - IEC60335-2-80, LVD2006/95/CE and
      - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
    - > manufactured in UK to ISO 9001
    - > be SAP PCDB Listed
    - > have a 5 year warranty -1 year parts and labour and 4 years parts only
  - Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
  - An electronic copy of this specification is available on request.



# Studio Bypass

- The unit will:
  - > be manufactured by Vectaire Ltd.
  - > be constructed from galvanised steel sheet with a thermo-acoustic lining to ensure extremely low noise levels.
  - > for 1 or 2 bedroom apartments, hotel rooms, student accommodation, extra care facilities, multi-purpose occupancy etc
  - > for fitting into voids, false ceilings or cupboards (bottom access only)
  - > have drain connection for connection by others.
  - > have a high efficiency counterflow heat exchanger with a thermal efficiency of up to 80% .
  - > have two low energy, high efficiency EC fan motor assemblies.
  - > have a specific fan power from 0.091 W/l/s.
  - > have G3 grade filters to protect the heat exchanger.
  - > have an automatic summer bypass
  - > have an integral frost-stat
- Access to filters shall be from the rear by removing two magnetic strips.
- The unit shall incorporate the following control features:
  - Standard**
    - > independent variable speed adjustment for each motor for trickle, boost and purge speeds.
    - > adjustable boost speed over-run timer from 0 to 90 minutes.
    - > adjustable boost speed delay from 0 to 5 minutes
    - > remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
    - > adjustable night time boost and purge inhibitor
    - > integral frost-stat - proportionally reduces intake motor speed as temperature falls
    - > summer bypass - automatic bypass of heat exchanger in hot weather
  - Factory Set**
    - > change of ductwork handing on humidistat version (trip point can be set at manufacture)
    - > integral humidistat - proportionally increases motor speeds with rising humidity
    - > 0-10V connections can be added for:
      - BMS - for remote motor shut-off
      - CO<sub>2</sub> detector
      - home automation system
      - external pre-heater
    - > 3 speed selector switch
    - > remote purge
    - > purge speed over-run time
    - > holiday mode for reduced speeds when property is unoccupied (factory set option)
    - > run-time and power outage counters downloadable via QR code.
- Remote (optional) LCD touch screen informs user of:
  - > operating speed (user adjustable)
  - > internal and external temperatures
  - > status icons shows which functions currently controlling fan speed
  - > date and time (user adjustable)
  - > relative humidity level
  - > bypass status
  - > error and service notifications
  - > filter saturation level (reset after changing)
  - > user can also set system to holiday mode and set language
- A Commissioning Kit (or LCD touch screen) will allow the commissioning engineer or installer to set the following parameters:
  - > Time and Date
  - > Holiday Mode
  - > Trickle, boost and purge speeds for each motor
  - > Boost speed delay time duration
  - > Boost over-run time duration
  - > Night time boost inhibitor times
  - > Touch screen sensitivity calibration
  - > Pre-heater threshold (if fitted)
  - > Handed installations
  - > Activate CO<sub>2</sub> detector or home automation system (if fitted)
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
  - > manufactured in UK to ISO 9001
  - > be SAP PCDB Listed
  - > have a 5 year warranty -1 year parts and labour and 4 years parts only
- Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
- An electronic copy of this specification is available on request.



# Mini Bypass

- The unit will:
  - > be manufactured by Vectaire Ltd.
  - > be constructed from galvanised steel sheet with a thermo-acoustic lining to ensure extremely low noise levels.
  - > for 1 or 2 bedroom apartments, hotel rooms, student accommodation, extra care facilities, multi-purpose occupancy etc
  - > for fitting into voids, false ceilings or cupboards (bottom access only)
  - > have drain connection for connection by others.
  - > have a high efficiency counterflow heat exchanger with a thermal efficiency of up to 83% .
  - > have two low energy, high efficiency EC fan motor assemblies.
  - > have a specific fan power from 1.11 W/l/s.
  - > have G3 grade filters to protect the heat exchanger.
  - > have an automatic summer bypass
  - > have an integral frost-stat
- Access to filters shall be from the rear by removing two magnetic strips.
- The unit shall incorporate the following control features:
  - Standard**
    - > independent variable speed adjustment for each motor for trickle, boost and purge speeds.
    - > adjustable boost speed over-run timer from 0 to 90 minutes.
    - > adjustable boost speed delay from 0 to 5 minutes
    - > remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
    - > adjustable night time boost and purge inhibitor
    - > integral frost-stat - proportionally reduces intake motor speed as temperature falls
    - > summer bypass - automatic bypass of heat exchanger in hot weather
  - Factory Set**
    - > change of ductwork handing on humidistat version (trip point can be set at manufacture)
    - > integral humidistat - proportionally increases motor speeds with rising humidity
    - > 0-10V connections can be added for:
      - BMS - for remote motor shut-off
      - CO<sub>2</sub> detector
      - home automation system
      - external pre-heater
    - > 3 speed selector switch
    - > remote purge
    - > purge speed over-run time
    - > holiday mode for reduced speeds when property is unoccupied (factory set option)
    - > run-time and power outage counters downloadable via QR code.
- Remote (optional) LCD touch screen informs user of:
  - > operating speed (user adjustable)
  - > internal and external temperatures
  - > status icons shows which functions currently controlling fan speed
  - > date and time (user adjustable)
  - > relative humidity level
  - > bypass status
  - > error and service notifications
  - > filter saturation level (reset after changing)
  - > user can also set system to holiday mode and set language
- A Commissioning Kit (or LCD touch screen) will allow the commissioning engineer or installer to set the following parameters:
  - > Time and Date
  - > Holiday Mode
  - > Trickle, boost and purge speeds for each motor
  - > Boost speed delay time duration
  - > Boost over-run time duration
  - > Night time boost inhibitor times
  - > Touch screen sensitivity calibration
  - > Pre-heater threshold (if fitted)
  - > Handed installations
  - > Activate CO<sub>2</sub> detector or home automation system (if fitted)
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
  - > manufactured in UK to ISO 9001
  - > be SAP PCDB Listed
  - > have a 5 year warranty -1 year parts and labour and 4 years parts only
- Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
- An electronic copy of this specification is available on request.



## WHHR100/90DC-B-BY

- The unit will:
  - > be manufactured by Vectaire Ltd.
  - > be constructed from galvanised steel sheet and have thermo-acoustic lining to ensure extremely low noise levels.
  - > be suitable for installation in-line in ceilings, voids or lofts
  - > have drain connections for connection by others.
  - > have a high efficiency counterflow heat exchanger with a thermal efficiency of up to 92% .
  - > have two low energy, high efficiency EC fan motor assemblies.
  - > have a specific fan power from 0.63 W/l/s.
  - > have G3 grade filters to protect the heat exchanger.
  - > have an automatic summer bypass
  - > have an integral frost-stat
- Access to filters shall be from the bottom by removing two magnetic strips.
- The unit shall incorporate the following control features:
  - Standard**
    - > independent variable speed adjustment for each motor for trickle, boost and purge speeds.
    - > adjustable boost speed over-run timer from 0 to 90 minutes.
    - > adjustable boost speed delay from 0 to 5 minutes
    - > remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
    - > adjustable night time boost and purge inhibitor
    - > integral frost-stat - proportionally reduces intake motor speed as temperature falls
    - > summer bypass - automatic bypass of heat exchanger in hot weather
  - Factory Set**
    - > integral humidistat - proportionally increases motor speeds with rising humidity
    - > 0-10V connections can be added for:
      - BMS - for remote motor shut-off
      - CO<sub>2</sub> detector
      - home automation system
      - external pre-heater
    - > 3 speed selector switch
    - > purge speed over-run time
    - > holiday mode for reduced speeds when property is unoccupied (factory set option)
    - > run-time and power outage counters downloadable via QR code.
- Remote (optional) LCD touch screen informs user of:
  - > operating speed (user adjustable)
  - > internal and external temperatures
  - > status icons shows which functions currently controlling fan speed
  - > date and time (user adjustable)
  - > relative humidity level
  - > bypass status
  - > error and service notifications
  - > filter saturation level (reset after changing)
  - > user can also set system to holiday mode and set language
- An LCD Commissioning Kit will allow the commissioning engineer or installer to set the following parameters:
  - > Time and Date
  - > Holiday Mode
  - > Trickle, boost and purge speeds for each motor
  - > Boost speed delay time duration
  - > Boost over-run time duration
  - > Night time boost inhibitor times
  - > Touch screen sensitivity calibration
  - > Pre-heater threshold (if fitted)
  - > Handed installations
  - > Activate CO<sub>2</sub> detector or home automation system (if fitted)
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
    - Be SAP PCDB Listed
  - > manufactured in UK to ISO 9001
  - > have a 5 year warranty -1 year parts and labour and 4 years parts only
- Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
- An electronic copy of this specification is available on request.



## WHHR100/90DC

- The unit will:
  - > be manufactured by Vectaire Ltd.
  - > be constructed from galvanised sheet steel and will have thermo-acoustic lining to ensure extremely low noise levels.
  - > be suitable for installation in-line in ceilings, voids or lofts
  - > be pre-wired for easy electrical connection
  - > have a very low profile - only 200mm deep
  - > have drain connections for connection by others.
  - > have a high efficiency counterflow heat exchanger with a thermal efficiency of up to 79% .
  - > have two low energy, high efficiency EC fan motor assemblies.
  - > have a specific fan power from 0.71 W/l/s.
  - > have G3 grade filters to protect the heat exchanger.
  - > have frost protection
  - > boost speed can be activated by a 230V switched live from:
    - a light switch (if more than one light switch is used, **each one must be a double pole switch**)
    - remote humidistat (230V - DRH240)
    - passive infra red (230V - PIRFF)
    - thermostat (230V - THM)
    - remote switch/pull cord - 230V
- Access to filters shall be from the top or bottom.
- The unit shall incorporate the following control features:
  - Standard**
    - > independent variable speed adjustment for each motor for trickle, boost and purge speeds.
    - > adjustable boost speed over run timer from 0 to 90 minutes.
    - > adjustable boost speed delay from 0 to 5 minutes
    - > adjustable purge speed over run timer from 0 to 250 minutes, preset to 15 minutes (adjustable at factory).
    - > adjustable night time boost and purge inhibitor
    - > integral frost-stat - proportionally reduces intake motor speed as temperature falls
    - > 0-10V connections can be added for:
      - BMS - for remote motor shut-off
      - CO<sub>2</sub> detector
      - home automation system
      - external pre-heater
      - 3 speed selector switch
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility
    - Be SAP PCDB Listed
  - > manufactured in UK to ISO 9001
  - > have a 5 year warranty -1 year parts and labour and 4 years parts only
- Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
- An electronic copy of this specification is available on request.



# Microbox 125/2DC and Microbox 200/2DC

## Microbox 125/2DC

- The unit will:
  - > be manufactured by Vectaire Ltd.
  - > be a compact, ultra low profile unit - 184 mm deep
  - > be constructed from sheet steel and will have thermo-acoustic lining to ensure extremely low noise levels.
  - > be suitable for installation in-line in ceilings, voids or lofts either horizontally or vertically in areas up to 185m<sup>2</sup>
  - > be pre-wired for easy electrical connection
  - > have low energy EC external rotor motor with sealed for life bearings.
  - > backward curved impellers dynamically balanced
  - > thermal overload protection
  - > service and maintenance panel easily accessible
  - > complete with mounting bracket and anti-vibration plate
  - > operates in temperature up to 60°C
  - > have a specific fan power from 0.20 W/l/s.
  - > boost speed can be activated by a 230V switched live from:
    - a light switch (if more than one light switch is used, **each one must be a double pole switch**)
    - remote humidistat (230V - DRH240)
    - passive infra red (230V - PIRFF)
    - thermostat (230V - THM)
    - remote switch/pull cord - 230V
  - > have a purge connection
  - > be IPX4 rated
- The unit shall incorporate the following control features:
 

**Standard**

  - > **variable adjustment** - trickle and boost speeds set at installation
  - > **boost setting** (via switched live)
  - > **integral, adjustable over-run timer** - adjustable from 0-90minutes set at installation
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
    - Be SAP PCDB Listed
  - > manufactured in UK to ISO 9001
  - > have a 5 year warranty -1 year parts and labour and 4 years parts only
- Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
- An electronic copy of this specification is available on request.

## Microbox 200/2DC

- The unit will:
  - > be manufactured by Vectaire Ltd.
  - > be a compact, low profile unit - 232 mm deep
  - > be constructed from sheet steel and will have thermo-acoustic lining to ensure extremely low noise levels.
  - > be suitable for installation in-line in ceilings, voids or lofts either horizontally or vertically in areas up to 335m<sup>2</sup>
  - > be pre-wired for easy electrical connection
  - > have low energy EC external rotor motor with sealed for life bearings.
  - > backward curved impellers dynamically balanced
  - > thermal overload protection
  - > service and maintenance panel easily accessible
  - > complete with mounting bracket and anti-vibration plate
  - > operates in temperature up to 60°C
  - > have a specific fan power from 0.27 W/l/s.
  - > boost speed can be activated by a 230V switched live from:
    - a light switch (if more than one light switch is used, **each one must be a double pole switch**)
    - remote humidistat (230V - DRH240)
    - passive infra red (230V - PIRFF)
    - thermostat (230V - THM)
    - remote switch/pull cord - 230V
  - > have a purge connection
  - > be IPX4 rated
- The unit shall incorporate the following control features:
 

**Standard**

  - > **variable adjustment** - trickle and boost speeds set at installation
  - > **boost setting** (via switched live)
  - > **integral, adjustable over-run timer** - adjustable from 0-90 minutes set at installation
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
    - Be SAP PCDB Listed
  - > manufactured in UK to ISO 9001
  - > have a 5 year warranty -1 year parts and labour and 4 years parts only
- Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
- An electronic copy of this specification is available on request.



# Elegance EL1003 and Elix ELX1003

## Elegance EL1003

- The unit will:
  - > be supplied by Vectaire Ltd
  - > be a high performance, three speed axial fan
  - > be suitable for **ALL** domestic wet rooms
  - > be suitable for installation into wall, ceiling or window with appropriate accessories
  - > have an air intake around the whole perimeter have a footprint no larger than 160 mm square
  - > the casing should be constructed from shock-proof, high quality technopolymer.
  - > will run continuously at pre-selected choice of two speeds (fixed at installation):
    - Speed 1 to operate at 9.5 l/sec
    - Speed 2 to operate at 13.8 l/sec
 speed can be boosted to maximum (28.5 l/sec) using integral pull cord or by:
    - remote switch/light switch
    - PIR sensor
    - DRH240 (dynamic remote humidistat)
  - > have patented anti-turbulence deflectors to ensure very low noise levels and optimum performance
  - > have EC induction motor with thermal protection
  - > 43,000 hour life motors with maintenance free and long life ball bearings
  - > thermal overload protection
  - > operate in temperature up to 40°C
  - > have a specific fan power from 0.09 W/l/s.
  - > be IPX4 (splashproof) rated for safe installation in Zones I and II
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
    - be SAP PCDB Listed
    - be Energy Saving Trust Best Practice Compliant
  - > have a 5 year warranty -1 year parts and labour and 4 years parts only
- Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
- An electronic copy of this specification is available on request.

## Elix ELX1003

- The unit will:
  - > be supplied by Vectaire Ltd
  - > be a high performance, three speed centrifugal fan
  - > be suitable for **ALL** domestic wet rooms
  - > be suitable for installation into wall or ceiling
  - > have an air intake around the whole perimeter have a footprint no larger than 180 mm square
  - > the casing should be constructed from shock-proof, high quality technopolymer.
  - > will have been designed using wind tunnel technology and CFD simulations
  - > will have a profile which increases the fluid dynamics
  - > will run continuously at pre-selected choice of two speeds (fixed at installation):
    - Speed 1 to operate at 8 l/sec
    - Speed 2 to operate at 14 l/sec
 speed can be boosted to maximum (28 l/sec) using integral pull cord or by:
    - remote switch/light switch
    - PIR sensor
    - DRH240 (dynamic remote humidistat)
  - > have an anti-vibration gasket
  - > have an easily removable, washable polypropylene filter
  - > low noise levels and optimum performance
  - > have EC induction motor with thermal protection
  - > 43,000 hour life motors with maintenance free and long life ball bearings
  - > thermal overload protection
  - > operates in temperature up to 40°C
  - > have a specific fan power from 0.14 W/l/s.
  - > be IPX4 (splashproof) rated for safe installation in Zones I and II
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
    - be SAP PCDB Listed
    - be Energy Saving Trust Best Practice Compliant
  - > have a 5 year warranty -1 year parts and labour and 4 years parts only
- Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
- An electronic copy of this specification is available on request.





# Elprex ELP2204 and E-Smile ES1003

## Elprex ELP2204

- The unit will:
  - > be supplied by Vectaire Ltd
  - > be a high performance, four speed centrifugal fan
  - > be suitable for kitchens
  - > be suitable for installation into wall or ceiling into single or multiple ducts either surface mounted or built-in (with the optional kit)
  - > have an air intake around the whole perimeter
  - > the casing should be constructed from shock-proof, high quality technopolymer.
  - > will run continuously at the factory set trickle speed of 13 l/s.
  - > boost speed can be from a choice of three:
    - boost speed 2 operates at 30 l/s
    - boost speed 3 operates at 45 l/s
    - boost speed 4 operates at 60 l/s
  - > boost speed can be obtained by using integral pull cord or by:
    - remote switch/light switch
    - PIR sensor
    - DRH240 (dynamic remote humidistat)
  - > will have a robust and anti-reverse (removable) back-draught shutter, an anti-vibration gasket and an easily removable and washable polypropylene filter
  - > will have an sfp of no more than 0.47 w/l/s at maximum power and must not exceed 4.5w power consumption at its lowest (trickle) speed.
  - > have a motor with thermal protection
  - > 30,000 hour life motor with maintenance free and long life ball bearings
  - > thermal overload protection
  - > operate in temperature up to 40°C
  - > have a specific fan power from 0.09 W/l/s.
  - > be IPX4 (splashproof) rated for safe installation in Zones I and II
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
- > have a 5 year warranty -1 year parts and labour and 4 years parts only
- Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
- An electronic copy of this specification is available on request.

## E-Smile ES1003

- The unit will:
  - > be supplied by Vectaire Ltd
  - > be a high performance, three speed axial fan
  - > be suitable all domestic wet rooms
  - > be suitable for installation into wall or ceiling
  - > be suitable for installation at any angle
  - > the fan should be constructed using recyclable and/or reusable materials and components for minimum ecological impact
  - > will run continuously at the pre-selected choice of two speeds [ 11 or 14 l/s] with the boost speed (21 l/s) being obtained by using integral pull cord or by:
    - remote switch/light switch
    - PIR sensor
    - DRH240 (dynamic remote humidistat)
  - > have an induction motor with thermal protection
  - > 40,000 hour life motor with maintenance free and long life ball bearings
  - > thermal overload protection
  - > operates in temperature up to 40°C
  - > have a specific fan power from 0.37W/l/s.
  - > be IPX4 (splashproof) rated for safe installation in Zones I and II
- The unit will:
  - > be CE marked
  - > comply with:
    - Part L1A 2013 of Building Regulations for enhanced energy saving capability
    - Part F 2013 of Building Regulations for reliable, efficient ventilation
    - EU RoHS Directive Compliant
    - IEC60335-2-80, LVD2006/95/CE and
    - EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility)
- > be SAP PCDB Listed and Energy Saving Trust Best Practice Compliant
- > have a 5 year warranty -1 year parts and labour and 4 years parts only
- Please contact your Vectaire representative via Head Office on 01494 522333 for any assistance.
- An electronic copy of this specification is available on request.

# Typical Specifications

## Elegance EL100 & EL150 and Heatrec 1003



### Elegance EL100

Supply and Install an EL100HT high performance, low carbon axial fan which is suitable for installation in toilets as supplied by Vectaire Ltd, Lincoln Road, Cressex Business Park, High Wycombe, Bucks, HP12 3RH.

The fan is to be suitable for installation either into a wall, ceiling or window (with the appropriate accessories). The fan should have an air intake around the whole perimeter and have a footprint of no larger than 160mm square.

The fan is to be complete with integral humidistat and timer - the timer to be adjustable from 0-30 minutes.

The fan casing should be made of shock-proof, high quality technopolymer, and should have a low carbon motor with maintenance-free, long life ball bearings, and up to a 30,000 hour life. It should be protected with a thermal cut-out. The fan should be double insulated and be IPX4 splash-proof protected suitable for installation into Zones I and II.

The fan is to comply with IEC 60335-2-80, BT 2006/95/CE and EMC 2014/30/EU European Directive against radio interference and electro-magnetic compatibility and be CE marked. It should also comply with the latest Building Regulations requirements.

The fan should be supplied with a user guide as required.

Only approved accessories should be used:

- Wall Plates – as required
- Window kits – as required
- Wall terminations – all wall terminations as required

### Heatrec 1003

Supply and install a Vectaire HREC1003HT energy efficient single room heat recovery unit as supplied by Vectaire Ltd, Lincoln Road, Cressex Business Park, High Wycombe, Bucks, HP12 3RH. The unit should be able to give low level, continuous ventilation to a domestic bathroom or kitchen and incorporate a humidistat which will automatically increase the airflow when necessary.

The unit should be for wall installation and have a choice of heat recovery tubes to fit 400mm, 500mm or 600mm wall thicknesses. It should recover up to 75% of heat from extracted air, separating the air-flows using a heat exchanger.

The unit should incorporate two low energy EC brushless motors for low noise levels and low energy consumption. It should have as standard the option of two trickle speeds and the facility to boost the speed either automatically via the integral humidistat or by use of the integral pull cord. It should also incorporate a summer by-pass and integral frost-stat.

The unit should comply with Part L1 2013 and Part F 2013 of Building Regulations; IEC 60335-2-80, BT 2006/95/CE and EMC 2004/108/CE European Directive against radio interference and electro-magnetic compatibility; and be CE marked.