# Xpelair Typical Specification

## Xpelair Premier DX180, DX200 & CF20

The unit is to be supplied from the Xpelair Premier range by Applied Energy Products Ltd, Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| DX180* | 91181AW |
| DX180T* | 91182AW |
| DX180H* | 91183AW |
| DX200 | 91013AW |
| DX200T | 91014AW |
| CF20 | 91015AW |
| CF20T | 91016AW |

*IPX4 rated

- The unit shall be designed for flush or surface mounting in walls, ceilings or through glass (using the GMK kit) supplied complete with fixing clamps for flush mounting
- CF20 models shall be supplied with outside grille
- DX200 models shall have selectable speed running facility with speed selection at installation
- DX200T shall have an adjustable overrun timer (30s - 20min) with 2min start delay
- CF20 shall have automatic operation through integral humidity sensor, manual boost speed via pullcord and trickle ventilation
- CF20T shall have automatic operation through integral humidity sensor, manual boost speed via pullcord and trickle ventilation. Adjustable overrun timer (30s - 20min). Optional 2 min start delay.
- It shall be possible to remotely select speeds using Xpelair switch **Ref. 90108AW**
- The unit shall be BEAB approved and rated at IPX5. The fan shall conform to Building Regulations for use in toilets, bathrooms and utility rooms. The fan shall incorporate an automatic air operated backdraught shutter
- The unit shall be suitable for zone 1 and zone 2 requirements as defined by IEE Wiring Regulations 16th Edition BS 7674:2001
- A rectangular cut out section shall be provided in the top of the fan housing to connect to Xpelair Profile kit **Ref. 90547AA**
- The housing and stylish air inlet shall be moulded in high gloss white ABS
- The front cover shall be held in position by the retaining clips to facilitate removal and adjustment
- The motor shall be totally enclosed, fitted with sealed self aligning maintenance free bearings and include thermal overload protection
- Dimensions shall be W x H x D
  222 x 252 x 118mm excluding spigot

## Xpelair Premier LoVolt LVDX200 & LVCF20

The unit is to be supplied from the Xpelair Premier range by Applied Energy Products Ltd, Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| LVDX200 | 91453AW |
| LVDX200T | 91040AW |
| LVCF20 | 91041AW |
| LVCF20T | 91042AW |

- The unit shall be 12V Safety Extra Low Voltage with a separate SELV transformer
- The unit shall be designed for surface or flush mounting using the fixing clamps provided, in walls, ceilings or mounting through glass using the GMK kit
- The fan shall incorporate an air operated backdraught shutter.
- A rectangular cut out section shall be provided to connect to Xpelair Profile 29 flatduct using Xpelair kit **Ref. 90547AA**
- LVCF20 models shall be supplied with an outside grille
- LVDX200 shall be operated by a proprietary remote switch or sensor
- LVDX200T shall have an adjustable overrun timer (30sec-20mins) with 2 min start delay
- LVCF20 shall have automatic operation through integral humidity sensor, manual boost speed via pullcord and trickle ventilation
- LVCF20T shall have automatic operation through integral humidity sensor, manual boost speed via pullcord and trickle ventilation. Adjustable overrun timer (30sec-20min). 2 min start delay
- The unit shall be BEAB approved and rated at IPX5. The fan shall conform to Building Regulations for use in toilets, bathrooms and utility rooms
- The unit shall be suitable for zone 1 and zone 2 requirements as defined by IEE Wiring Regulations 16th Edition BS 7674:2001
- The housing and stylish air inlet shall be moulded in high gloss white ABS
- The front cover shall be held in position by the retaining clips to facilitate removal and adjustment
- The motor shall be maintenance free, totally enclosed, fitted with sealed self aligning bearings and thermal overload protection
- Dimensions shall be W x H x D
  222 x 252 x 118mm excluding spigot

## Xpelair Premier LVCF20T DC

The unit is to be supplied from the Premier UltraDC range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ Tel. +44 (0) 1733 456789

| Model | Ref |
|---|---|
| Premier LVCF20T DC | 92288AW |

- The unit shall be suitable for use as an intermittent fan in bathrooms and WCs or as a decentralised continuous extract unit for kitchens, utility rooms, bathrooms and WCs in accordance with the requirements of Building Regulations Part L1
- The unit shall be fitted with an UltraDC low energy external rotor motor with maintenance free greased for life bearings
- The unit shall be suitable for use in the splash zone of a bath or shower identified as Zone 1 in the IEE regulations 16th edition. A separate SELV transformer shall be supplied with the unit which shall be installed outside of Splash zones 1 and 2
- The unit shall be rated at IPX5
- The fan shall be designed for flush or surface mounting on walls or ceiling and shall be fitted with an automatic air operated backdraught shutter
- The housing and air inlet fascia shall be moulded in high gloss ABS
- The front cover shall be held in position by two retaining clips to facilitate removal

  Dimensions:
  W x L x H
  222 x 252 x 118 excluding spigot

## Xpelair Premier CF20/40T CV

The unit is to be supplied from the Premier UltraCV range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ Tel. +44 (0) 1733 456789

| Model | Ref |
|---|---|
| CF20/40T UltraCV | 92293AW |

- The unit shall feature UltraEC technology reducing energy use and providing longer motor life
- The motor shall be of external rotor construction with sealed, maintenance free bearings and include safety thermal overload protection
- A choice of installation performances shall be available to meet the installed performance requirements of Building Regulations Part F1- intermittent ventilation in Kitchens, Utility rooms, Bathrooms and Sanitary accommodation; Humidity controlled intermittent ventilation with manual override in Kitchens and Bathrooms and continuous decentralised ventilation in Kitchens, Utility rooms, Bathrooms and Sanitary accommodation
- Performance shall be set by the installer by way of installer accessible dip switches
- For internal rooms, the Timer when selected shall be factory set at 15 minutes in accordance with Part F1 but shall be installer adjustable up to 20 minutes (minimum period shall be 20 seconds)
- There shall be a 'Quick visit' timer feature preventing nuisance tripping if the room is occupied for less than 2 minutes
- The fan shall have a constant volume feature which maintains the chosen performance irrespective system pressure up to 100Pa
- The unit shall be designed for flush or surface mounting in walls or ceilings using the accessories provided
- An external grille shall be supplied with the fan
- The unit shall be rated at IPX5 making it suitable for use in the splash zone 1 of a bath or shower
- The fan housing shall be moulded in high gloss ABS with the air inlet discreetly concealed behind a baffle to the front cover
- The front cover assembly shall be held in position by clips to facilitate ease of removal for fan adjustment
- A balanced impeller shall be integral with the motor assembly
- The fan shall be rated at 220-240 50/60Hz

  Overall dimensions W x H x D
  252 x 300 x 156mm excluding spigot

## Xpelair Profile 29

The components are to be supplied from the Xpelair Profile 29 range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| Premier flat ducting adaptor | 90547AA |
| Straight duct 2m | 91106AA |
| Horizontal 45 bend | 91109AA |
| Horizontal 90 bend | 91108AA |
| Vertical 45 bend | 91111AA |
| Vertical 90 bend | 91110AA |
| Round to rectangular adaptor | 91113AA |

| Model | Ref |
|---|---|
| Elbow bend/plenum | 91112AA |
| Long airbrick adaptor | 91102AA |
| Universal support clip | 91114AA |
| Duct connector | 91107AA |
| Airbricks horizontal | |
| terracotta | 91103AA |
| white | 91126AA |
| brown | 91127AA |
| Cotswold stone | 91128AA |
| Soldier course* | 91246AA |
| 100mm telescopic wall tube | 91247AA |

*terracotta

- Profile 29 system components shall be used in conjunction with Premier DX200 and CF20 models
- The system shall use a XFD kit to connect to the fan with further components appropriate for the application
- The outer dimensions shall be w234 x h29mm and have a cross sectional area of 5630mm$^2$
- Xpelair Profile 29 shall be manufactured in self extinguishing flame retardant PVC conforming to DIN 4102 B1 and UL94 V2

## Xpelair DX100

The unit is to be supplied from the Xpelair DX100 range by Applied Energy Products Ltd, Morley Way, Peterborough PE2 9JJ Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| DX100 | 90839AW |
| DX100PC | 90840AW |
| DX100T | 90841AW |
| DX100H | 90842AW |
| DX100HP | 90843AW |
| DX100PIR* | 90844AW |

*IPX4 rated

- The unit shall be designed for wall, ceiling, shaft (or window mounting in glass up to 6mm thick) using the kit provided. An air operated backdraught shutter shall be included
- The fan housing shall be moulded in high gloss white ABS and be of modern design with finger guarding for additional safety protection
- The motor shall be lubricated for life with built in safety thermal overload protection
- The unit shall be rated at IPX5
- In addition it shall conform to Building Regulations for use in toilets and bathrooms
- Dimensions shall be W x H x D
  165 x 155 x 43mm excluding spigot
- PC - Pullcord
- T - Timer (2 - 20mins)
- H - Humidistat control (50 - 90%RH)
- HP - Humidistat/Timer control
- PIR - Passive infrared control

# Xpelair Typical Specification

## Xpelair LoVolt LV100

The unit is to be supplied from the Xpelair LoVolt 100mm range by Applied Energy Products Ltd, Morley Way, Peterborough PE2 9JJ Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| LV100 | 90845AW |
| LV100PC | 90846AW |
| LV100T | 90847AW |
| LV100H | 90848AW |
| LV100HP | 90849AW |
| LV100PIR | 90867AW |

- The unit shall be 12V Safety Extra Low Voltage design and supplied complete with a remote SELV transformer
- The unit shall be designed for wall, ceiling, shaft (or window mounting in glass up to 6mm thick) using the kit provided. An air operated backdraught shutter shall be included
- The fan housing shall be moulded in high gloss white ABS and be of modern design with finger guarding for additional safety protection
- The motor shall be lubricated for life with built in safety thermal overload protection
- The unit shall be rated at IPX5. In addition it shall conform to Building Regulations for use in toilets and bathrooms
- Dimensions shall be W x H x D 165 x 155 x 42mm excluding spigot
- PC - Pullcord
- T - Timer (2 - 20mins)
- H - Humidistat control (50 - 90%RH)
- HP - Humidistat/Timer control
- PIR - Passive infrared control

## Xpelair Slimline 100

The unit is to be supplied from the Xpelair SL100 & SL150 range by Applied Energy Products Ltd, Morley Way, Peterborough PE2 9JJ Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| SL100 | 91225AW |
| SL100P | 91226AW |
| SL100T | 91227AW |
| SL100HT | 91228AW |

- The unit shall be designed for wall, ceiling, shaft (or window mounting in glass up to 6mm thick) using the kit provided
- Shall be designed so that the front grille thickness is no more than 10mm
- The fan housing shall be moulded in high gloss white ABS and be of modern design with finger guarding for additional safety protection
- The motor shall be lubricated for life with built in safety thermal overload protection
- The unit shall be rated at IPX4 and a double insulated appliance
- In addition it shall conform to Building Regulations for use in toilets and bathrooms
- P models shall include integral pullcord
- T models shall include integral timer control (3 - 15mins)
- HT models shall include integral humidity control (45 - 99%RH) and timer control
- HP models shall include a variable speed humidistat with integral pullcord giving full speed override
- Dimensions shall be W x H x D 140 x 140 x 125mm (including 15mm flange)

## Xpelair CentrX

The unit is to be supplied from the Xpelair CentrX range by Applied Energy Products Ltd, Morley Way, Peterborough PE2 9JJ Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| CT100 | 91236AW |
| CT100T | 91237AW |
| CT100HT | 91238AW |
| CT100+ | 91239AW |
| CT100+P | 91240AW |
| CT100+HT | 91241AW |

- The unit shall be of panel design with a centrifugal high pressure performance characteristic. The spigot outlet shall be suitable for connection to 100mm flexible or rigid wall tubes or ducting
- Models shall be available with built in time overrun and built in humidistat auto control
- The unit shall be rated at IPX4. The fan shall conform to Building Regulations for use in toilets, bathrooms and utility rooms
- The housing shall be moulded in high gloss white ABS. The front cover shall be removable to facilitate removal and adjustment
- The motor shall be fitted with sealed self aligning maintenance free bearings and include thermal overload protection
- P models shall include integral pullcord
- T models shall include integral timer control (3 - 15mins)
- HT models shall include integral humidity control (45 - 99%RH) and timer control
- Dimensions shall be: W x H x D
  CT100 190 x 190 x 130mm
  CT100+ 208 x 208 x 139mm including 17mm spigot

## Xpelair XIL Inline Shower Fan Systems

The unit is to be supplied from the Xpelair XIL range by Applied Energy Products Ltd, Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| XIL System | |
| XIL100 | 90329AW |
| XIL125 | 91242AW |
| XIL150 | 91244AW |
| XIL T System with integral overrun timer | |
| XIL100T | 90330AW |
| XIL125T | 91243AW |
| XIL150T | 91245AW |
| XXS100 fan only | 90331AW |
| XXS100T fan only | 90332AW |

The system shall comprise:

- Inline axial fan
- 3m of 100mm dia. flexible duct
- Four fixing clips
- Inline backdraught shutter
- Internal ceiling grille in white
- Outside soffit/wall grille in brown
- T models shall include overrun timer function adjustable between 2 - 20mins (100 range) and 3 - 15mins (125/150 ranges)
- The fan housing and grilles shall be moulded in ABS. The internal and external grilles should have finger guard protection. The fan and air operated backdraught shutter shall be installed in the space above the ceiling at the highest point in the system
- The motor shall be lubricated for life with built in safety thermal overload protection
- The fan shall comply with Building Regulations for use in bathrooms and shower rooms when typically installed

## Xpelair BriteX LoVolt & BriteX Turbo

The unit is to be supplied from the Xpelair BriteX range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| BX100C | 92278AW |
| BX100W | 92276AW |
| BX100CT | 92279AW |
| BX100WT | 92277AW |
| BX100+C | 91249AW |
| BX100+W | 91248AW |
| BX100+CT | 91251AW |
| BX100+WT | 91250AW |

- The system shall be suitable for installation in Zone 1 as defined by the IEE regulations 16th Edition
- The lamp shall be 12V 50W Safety Extra Low Voltage sealed dichroic lamp with SELV transformer. The fan shall be sited above the ceiling at the highest point in the duct run. The fan shall be manufactured in ABS and have a maintenance free motor with safety thermal overload protection. The fan shall be IPX4 when installed as per the instructions and double insulated Class II. The kit shall contain ducting, duct ties and a grille suitable for soffit or gable end fitting
- The System shall be guaranteed for 3 years (BriteX LoVolt) or 2 years (BriteX Turbo)
- Supply voltage 220-240V 50Hz
- T models shall include integral timer function adjustable between:-
  Britex Lovolt 1-20 min
  Britex Turbo 3-15 min

## Xpelair XIM

The unit is to be supplied from the Xpelair XIM range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| XIM100* | 91252AW |
| XIM100T* | 91253AW |
| XIM100+ | 91254AW |
| XIM125 | 91255AW |
| XIM150 | 91256AW |
| XIM150T | 91257AW |
| XIM200 | 91258AW |

*IPX2 rated

- The unit shall be suitable for ducted applications where high humidity is present
- The unit shall be of polymer construction with spigots for attachment to the ductwork
- The impeller shall be of mixed flow design with matching guide vanes. A QuickLock installation cradle shall be provided for easy installation
- The motor shall be maintenance free, with greased for life bearings and safety thermal overload protection
- T models shall include integral timer function adjustable between 3 - 15mins
- The units shall be IPX4 rated and conform to Building Regulations for toilets, shower rooms and bathrooms
- All models shall be 2 speed (except XIM100 and XIM100T)
- An optional change over switch shall be available, COS Ref. 90108AW
- The unit shall be a double insulated appliance
- Overall dimensions W x H x D

| | |
|---|---|
| 100mm | 189 x 177 x 238mm |
| 125mm | 200 x 217 x 263mm |
| 150mm | 192 x 244 x 293mm |
| 200mm | 230 x 279 x 354mm |

# Xpelair Typical Specification

## Xpelair Slimline 150

The unit is to be supplied from the Xpelair SL100 & SL150 range by Applied Energy Products Ltd, Morley Way, Peterborough PE2 9JJ Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| SL150 | 91229AW |
| SL150P | 91230AW |
| SL150HT | 91231AW |
| SL150HP | 91496AW |
| SG150HP | 92349AW |

- The unit shall be designed for wall, ceiling, shaft (or window mounting in glass up to 6mm thick) using the kit provided
- Shall be designed so that the front grille thickness is no more than 10mm
- The fan housing shall be moulded in high gloss white ABS and be of modern design with finger guarding for additional safety protection
- The motor shall be lubricated for life with built in safety thermal overload protection
- The unit shall be rated at IPX4 and a double insulated appliance
- In addition it shall conform to Building Regulations for use in toilets and bathrooms
- P models shall include integral pullcord
- T models shall include integral timer control (45sec - 15mins)
- HT models shall include integral humidity control (45 - 99%RH) and timer control
- HP models shall include a variable speed humidistat with integral pullcord giving full speed override
- Dimensions shall be W x H x D 190 x 190 x 130mm including (front flange depth 15mm)

## Xpelair GX6, GXC6 & GXC9

The unit is to be supplied from the Xpelair GX/GXC range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| GXC6 | 90850AW |
| GXC6T | 90861AW |
| GX6 | 90800AW |
| GX6T | 90812AW |
| GX6HT | 90814AW |
| GX6HT2 | 90863AW |
| GXC6SC | 91142AW |
| GXC9 | 89995AW |

- The extract fan shall be suitable for window, wall, or panel mounting. An optional WK tube shall be used for wall installation
- The motor shall be high efficiency, totally enclosed, with sealed for life bearings and safety thermal overload protection
- The motor /impeller assembly shall be housed in a rigid ABS moulded duct to ensure even, optimum impeller tip clearance
- The inner grille shall be moulded in white ABS with a high gloss finish and incorporate a finger guard and removable shutter cassette for ease of maintenance
- The impeller shall be pre-balanced and removable for cleaning by means of a shaft screw fixing
- A trickle vent option shall be incorporated into the mechanism to provide 4000mm$^2$ passive ventilation when the fan is Off
- Operation of the shutter shall be by a silent electrothermal actuator on GX6 variants and GXC6T; pullcord on GXC6 and GXC9
- The unit shall be BEAB approved
- T models shall include integral timer function adjustable between 2-20mins
- GX6HT shall include integral humidity function (50-90%RH) and timer
- GX6HT2 shall include integral humidity and timer function with 2 speeds
- GXC6SC shall be speed adjustable
- Overall dimensions for

| | W x H x D |
|---|---|
| GXC6 & GX6 | 210 x 226 x 112mm |
| GXC9 | 294 x 312 x 117mm |

## Xpelair GX6 EC2, GXC6 EC2

The unit is to be supplied from the Xpelair GX/GXC EC2 range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ Tel. +44 (0) 1733 456789

| Model | Ref |
|---|---|
| GX6 EC2 | 92294AW |
| GXC6 EC2 | 92295AW |

- The 150mm extract fan shall be suitable for window, wall or panel mounting
- Hole size in glass shall be 184mm. An optional WK tube shall be used for wall installation
- The motor shall be an UltraEC type external rotor motor with sealed for life bearings and safety thermal overload protection. Class II appliance
- The products shall be capable to be set at one of two extract performances which will satisfy Building Regulations Part F1 for intermittant kitchen and Utility room use. The rated wattage shall not exceed 0.036w/l/s for GX6 EC2 and 0.027w/l/s for GXC6 EC2
- The product shall be suitable for ambient temperatures up to 50C
- The motor / impeller shall be housed in a rigid ABS moulded duct to ensure even optimum impeller clearance
- The inner grille shall be moulded in whit ABS with a high gloss finish and incorporate a finger guard and removable shutter cassette for ease of maintenance
- The impeller shall be pre balanced and removable for cleaning by means of a shaft screw fixing
- Operation of the shutter shall be by a silent electrothermal actuator on GX6 EC2 and pullcord on the GXC6 EC2

Overall dimensions for:

GX6/GXC6 EC2
WxHxD
210 x 226 x 112 mm

## Xpelair Premier DX400 & CF40

The unit is to be supplied from the Xpelair Premier range by Applied Energy Products Ltd, Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| DX400 | 91083AW |
| DX400T | 91084AW |
| DX400PC | 91100AW |
| DX400RS | 91085AW |
| CF40 | 91086AW |
| CF40TD | 91087AW |
| CF40RSTD | 91088AW |

- The unit shall be designed for flush or surface mounting in walls and ceilings using the fixing clamps provided
- An external grille shall be supplied with the fan
- DX400 fans shall have a two speed running facility and CF40 fans a room size selector in the control system to provide three preset speed settings for optimum room performance
- A further option of trickle ventilation shall be provided by way of a preset switch on the unit (not DX400)
- CF versions shall be manually adjustable between 50 and 90% RH with fan running status indicated by lights
- The unit shall be BEAB approved and rated IPX5. in addition the fan shall conform to Building Regulations for use in kitchens, utility rooms and bathrooms
- The fan housing shall be moulded in high gloss white ABS and be of modern design with the air inlet discreetly concealed behind a stylish baffle fixed to the front cover
- The front cover assembly shall be held in position by clips to facilitate ease of removal for fan adjustment
- The motor shall be of external rotor construction, IP44 rated with sealed maintenance free bearings and include inbuilt safety thermal overload protection
- A dynamically balanced balanced impeller shall be integral with the motor assembly
- PC models shall be pullcord operated
- T models shall include integral timer function adjustable between 30s-20mins
- RS shall be remote switched use with MOS Ref. 90199AW
- TD shall have an integral timer
- RSTD shall have an integral timer and remote delay switch. MOS Ref. 90199AW
- Overall dimensions: W x H x D
  249 x 297 x 147mm excluding 35mm spigot

## Xpelair Kitchen Canopies

The unit is to be supplied from the Xpelair Nouvelle Cuisine range by Applied Energy Products Ltd, Morley Way, Peterborough PE2 9JJ Tel. +44 (0)1733 456789

| Model | | |
|---|---|---|
| Wall Chimney Canopies | | |
| Curved | 900mm | |
| Flat | 900mm | 600mm |
| Box | 900mm | 700mm |
| Tonda | 900mm | 600mm |
| Chimney | 900mm | 600mm |
| Island Chimney Canopy | | |
| Island | 900mm | 600mm |
| Built in Canopies | | |
| Inset | 520mm | 282mm |
| Integrated | 600mm | |
| Standard | 600mm | |
| Standard Plus (SS) | 600mm | |

- The kitchen canopy shall be offered in a range of styles to suit wall, island and integrated applications. Models shall be available in stainless steel/glass or white/brown finish to suit kitchen decor and have seperate switchable integrated fan and lighting
- All models shall be suitable for extraction to the outside using 125mm Xflex or Profile 60 flat duct systems or can be set for recirculation, optional carbon filters to be available
- The Wall, Island and Standard Plus models shall be fitted with washable grease filters, disposable acrylic filters on other integrated models
- The three speed continuously rated motors shall be maintenance free
- There shall be a choice of performance to meet the minimum requirements of Building Regulations
- Three year guarantee

## Xpelair Profile 60

The components are to be supplied from the Xpelair Profile 60 range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ. Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| Straight duct 1m | 89755AA |
| Straight duct 1.5m | 91188AA |
| Horizontal bend adjustable | 89750AA |
| Horizontal 90 bend | 89754AA |
| Vertical 90 bend | 89753AA |
| Elbow/plenum to 100mm dia | 89752AA |
| Elbow/plenum to 125mm dia | 91259AA |
| Elbow/plenum to 150mm dia | 91483AA |
| Duct coupling | 89757AA |
| T piece | 90091AA |
| Support clip | 89756AA |
| Wall outlet grille | 89751AA |
| Flexible ducting 0.5m | 91484AA |
| Fire break intumescent | 91975AA |
| Round to rectangular adaptor | 91482AA |

- Profile 60 system components shall be used in conjunction with Premier DX200 and CF20, DX400 and CF40 models set at high speed
- Also suitable for Xpelair range of kitchen canopies
- The system shall use a plenum kit to connect to the fan with further components appropriate for the application
- The outer dimensions shall be 204 x 60mm and have a cross sectional area of 11200mm$^2$
- Xpelair Profile 60 shall be manufactured in self extinguishing flame retardant PVC conforming to DIN 4102 B.M1

# Xpelair Typical Specification

## Xpelair CX10 & CMF

The unit is to be supplied from the Xpelair CX & CMF range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| CX10 | 90209AB |
| CMF171 | 89955AW |
| CMF241 | 89956AW |
| CMF271 | 89957AW |

- The unit shall be designed for flush ceiling mounting in incorporate a finger guard for safety protection
- CX model shall be an axial fan unit and CMF models centrifugal
- The units shall be fully recessed with only the high gloss ABS moulded grille showing
- There shall be spigots for the attachment of optional ductwork
- CMF models shall have a cassette style construction allowing first-fit ductwork to be fitted prior to the installment of the unit.
- Motors shall be lubricated for life and be maintenance free
- Safety thermal overload protection shall be fitted
- The fascia grilles shall be demountable to facilitate cleaning

## Xpelair Xplus Whole House Multipoint Extract Fans

The unit is to be supplied from the Xpelair Xplus range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| Xplus 275 | 91260AW |
| Xplus 340 | 91261AW |
| Xplus 340 DC | 91262AW |
| Xplus 340 DCRF | 91263AW |
| Controller | 91457AW |

- The extract fan unit shall be designed for the continuous extraction of condensation and odours from the 'wet' rooms of a dwelling. It may be installed in a loft space or services cupboard. Suitable ductwork such as Xflex125 of Profile 60 shall be used with RegulAir ventilation terminals
- The fan housing shall be manufactured in a polymeric material and be fitted with three 125mm 'room side' extract spigots and one 125mm discharge spigot terminating at a wall or roof
- The fan shall have a backward centrifugal curved impeller. The motor shall be rated for continuous running, have sealed for life bearings and be maintenance free. AC and DC motor variants shall be available
- All models shall be speed controllable using an optional hard wired switch. Xplus 340 DCFRF shall also be available with a 100M (line of sight) wireless transmitter control system
- Xplus 340 DC shall be AppendixQ listed and meet Best Pactice Criteria

## Xpelair Xplus 250 & 400 DC 8CV

The unit is to be supplied from the Xpelair LoSound range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| Xplus 250DC8CV | 92290AW |
| Xplus 400DC8CV | 92100AW |

- There shall be two models with performances ranging from 48m³/h to 255m³/h and 206m³/h to 402m³/h (at 0Pa)
- Each model shall have 8 selectable set up speeds to suit installation application with speeds in accordance with Building Regulations Part F1 continuous extract requirements selected via an integral switch accessible from the outside of the product
- To avoid tampering with speed settings in use, the unit must be powered Off if switch adjustment needs to be made. Altering the switch position when the unit is powered will not change the speed setting
- A Boost function shall be available to increase extract rate by one set point i.e. the boost speed of speed 1 is equivalent to speed 2 etc. Speed 8 boost is 36m_/h above speed 8
- Boost function shall be operated using standard Xpelair controllers i.e. COS switch, XRH, XPIRA, DT20, and AQS controllers
- The product shall be rated at 230V, 50/60Hz, 1 phase
- Main body shall be manufactured in impact resistant polymeric material
- The unit shall be supplied with 1m of 4-core cable
- The unit shall have 3 intake connections of 125mm diameter and1 extract connection 125mm diameter
- Motor shall be Energy saving Longlife UltraDC external rotor motor with greased for life ball bearings
- Systems using these products should design to achieve a duct velocity of less than 3m/s in order to minimise noise. The fan shall not exceed a specific fan power of 0.6 w/l/s @ 50pa
- Xplus 250 DC 8CV shall be Appendix listed and meet Best Practice Criteria

## Xpelair Xcell 150 & 200

Wholehouse ventilation unit from the Xpelair Xcell range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| Xcell 150 | 91981AA |
| Xcell 150R | 91976AA |
| Xcell 150V | 92004AA |
| Xcell 200 | 91977AA |
| Xcell 200BP | 91979AA |
| Xcell 200R | 91978AA |
| Xcell 200RBP | 91980AA |

- The MVHR unit shall have a slimline insulated steel case with sealed access panel. The unit shall be suitable for ceiling or loft mounting in confined spaces
- The heat recovery cell shall be up to 92% efficiency depending on volume setting
- The unit shall be fitted with multispeed double inlet fans for whisper quiet performance to be set at a speed based on the volume / duty of the dwelling in accordance with Building Regulations Part F1. A remotely fitted switch shall be provided with the unit
- Supply and exhaust filters shall protect the cell (Xcell 200 only)
- Hygenic coated steel anti-bacterial condensate tray and outlet shall be fitted
- Xcell 150 has two 125mm roomside spigots
- Xcell 150R has a pair of twin flat duct spigots for connection to Profile 60 duct
- Xcell 150V is a vertical version with all spigots on top
- Xcell 200 has two 150mm roomside spigots
- Xcell 200R has two pairs of twin flat duct spigots for connection to Profile 60 duct
- Xcell 200BP and 200RBP shall have 100% motorised summer bypass

## Xpelair Xcell 270 LongLife

The unit is to be supplied from the Xpelair Xcell range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| Xcell 270 | 91264AW |
| Xcell 270BP | 91265AW |

- The MVHR unit shall be designed for installation in well insulated dwellings
- The unit shall be wall mounted using a wall bracket provided with 150mm duct spigots ready for connection to supply and return air ducts and ductwork to a wall or roof termination
- The cabinet shall be manufactured in steel and powder coated in beige
- The inner components and scroll shall be made from non hygroscopic high density structural foam mouldings with an integral double condensate tray. Provision shall be made for alternative condensate drain off points
- A hinged door shall be provided on the front of the cabinet for access to the stage 1 G4 filters and occasional visual inspection of the cell
- The unit shall have 3 speed from a choice of twelve to match the volume of the dwelling continuous ventilation including the choice of a boost speed if required. As a result the heat recovery cell shall be up to 93% efficient
- The vent shall be be controlled by 3 speed selective switch Ref. 91266AW

## Xpelair Xcell 300 & 400 LongLife

The unit is to be supplied from the Xpelair Xcell range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| Xcell 300 | 91267AW |
| Xcell 400 | 91269AW |
| Xcell 300BP | 91268AW |
| Xcell 400BP | 91270AW |

- The MVHR unit shall be designed for installation in well insulated dwellings
- The unit shall be wall mounted using a wall bracket and provided with 150mm duct spigots on the 300 models and 180mm duct spigots on the 400 models ready for connection to supply and return air ducts and ductwork to a wall or roof terminations
- The cabinet shall be manufactured in polypropylene to RAL 9002: White
- The inner components and scroll shall be made from non hygroscopic high density structural foam mouldings with an integral double condensate tray. Provision shall be made for alternative condensate drain off points
- Backward curved impeller
- Access shall be provided to the stage 1 G3 filters. The unit shall have a choice of speeds to match the volume of the dwelling in order to provide half an air change per hour continuous ventilation including the choice of a boost speed if required. As a result the heat recovery cell shall be up to 91% efficient - certified by TZWL, depending on chosen speed. The fans shall be electronically balanced to provide equal extraction and air supply
- The motors shall be UltraDC motors with maintenance free greased for life ball bearings
- A supply lead shall be provided to facilitate wiring
- Overall Dimensions W x H x D
  740 x 600 x 540mm
  Weight :32kg

# Xpelair Typical Specification

## Xpelair Xcell 600 Low Profile

The unit is to be supplied from the Xpelair Xcell range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| Xcell 600 | 92002AA |
| Xcell 600BP | 92003AA |

- The MVHR unit shall have a slimline insulated steel case and sealed access panel. The unit shall be suitable for ceiling or loft mounting in confined spaces using the integral mounting point detail provided
- The heat recovery unit shall be up to 70% efficient depending on volume setting and be compatible with heat pump systems
- The unit shall be fitted with double inlet fans for quiet operation and be set at a speed calculated on the volume/duty of the dwelling in accordance with Building Regulations Part F1. A remotely fitted single gang switch shall be provided with the unit. Heavy duty supply and exhaust filters shall be included in the unit
- The condensate tray shall have an anti bacterial coating. The unit shall have 200mm spigots on the room side and discharge side
- A further model shall be available fitted with a motorised summer Bypass feature
- Dimensions H x W x L
  250 x 750 x 1100mm (Excluding spigots)

## Xpelair Profile 150

The components are to be supplied from the Xpelair Profile 150 range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ. Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| 2.5m straight duct | 91272AA |
| 90º bend | 91273AA |
| 45º bend | 91274AA |
| 30º bend | 91275AA |
| 15º bend | 91276AA |
| Pushfit collar | 91279AA |
| Snap Clamp Collar | 91280AA |
| Roof Cowl | 91277AA |
| Wall Cowl | 91278AA |

- Profile 150 ductwork shall be used in conjunction with Xflex ductwork and Profile 60 flat duct to provide the distribution system for Xcell MVHR units
- Ducting shall be manufactured in steam resistant, self extinguishing EPE to class B1, DIN 4102
- Density shall be 50kg/m$^3$ and the duct shall have a thermal coefficient of 0.040 W/m. K measured at 0ºC in accordance with DIN 52613. Temperature range shall be -40 to +100ºC
- A selection of bends constructed of the same material shall be available. The duct and bends shall be connected using 100mm collar connectors with built in internal stops. For duct sections requiring subsequent disconnection for service or cleaning access, a quick release collar shall be available
- Further interconnecting components shall be available from the Profile 60 flat duct range to complete the system

## Xpelair EverDri LongLife

The unit is to be supplied from the Xpelair EverDri range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| XEDL | 90998AA |

- For installation in houses
- The fan unit shall be designed for fully automatic operation and continuous running and supplied complete with anti vibration mountings, interconnecting flexible ducting and purpose designed diffuser outlet with direction baffles
- The unit shall continuously monitor the loft air temperature and will automatically adjust the performance of the fan if the temperature rises above or falls below 19°C.
- The fan shall automatically suspend operation if the temperature rises above 25°C and re-continue when the temperature falls back down below that point.
- Four performance selection settings shall be provided on the unit to provide the optimum performance settings for differing dwelling sizes and severity of condensation.
- The operation status of the unit shall be indicated by means of LED's on the control panel.
- The fan motor shall be a high efficiency electronically commutated DC motor with sealed for life maintenance free bearings and thermal protection. Quiet running of the fan shall be ensured by incorporation of a forward curved centrifugal impeller operating in a double inlet scroll housing.
- The fan shall be supplied complete with a supply cord fitted.
- The incoming air shall pass through a filter, these are to be available as a spare part from Xpelair.

## Xpelair LoVolt XHR150

The unit is to be supplied from the Xpelair XHR range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| XHR150PC | 90821AA |
| XHR150HP | 90820AA |

- The single room heat recovery ventilator shall be a Safety Extra Low Voltage LoVolt product and supplied complete with exterior weather resistant bezel and a remote SELV transformer
- The unit shall have two speeds: trickle for constant background ventilation and a boost speed operated manually by way of a built in pullcord on the PC model and by way of an automatic humidity sensor control on the HP model
- The unit shall be of cylindrical construction with integral outside intake / extract points
- The internal grille shall be moulded in white ABS with a high gloss finish and incorporate a safety finger guard. To avoid cross contamination, the incoming air shall be delivered to the room at the side of the grille ensuring a 90° separation from the outgoing air. The incoming air shall be filtered through a foam filter medium
- The ventilator shall be fitted with a long life aluminium heat recovery cell having an efficiency of up to 80%
- BBA Agreement Board Certification
- Overall dimensions:
  W x H x L
  200 x 180 x 532mm

## Xpelair AutoFlow

The unit is to be supplied from the Xpelair AutoFlow range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| AutoFlow80 | 91295AW |
| AutoFlow100 | 91296AW |
| AutoFlow160 | 91297AW |

- The ventilator shall be installed using a core cutting drill
- The Passive ventilator shall be self regulating using a temperature sensitive piston to adjust the airflow in relation to the outside air temperature. The piston shall be maintenance free. In automatic mode the airflow shall decrease with declining outdoor temperature and increase with rising outdoor temperature. The vent disc shall be insulated and tight fitting to the bezel when closed
- The vent disc shall be capable of being adjusted manually by rotating the disc from automatic mode to increase or decrease the opening size. The temperature range shall be from -5°C to +10°C
- The disc, wall tube and external grille shall be manufactured in ABS. The inside disc, bezel and the external weather grille shall be white in colour

## Xpelair GX6, GX9 & GX12

The unit is to be supplied from the Xpelair GX range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| GX6 | 90800AW |
| GX9 | 89994AW |
| GX12 | 90012AW |

- The fan shall be suitable for window mounting (or wall mounting using optional wall kit)
- Performance shall have been proven by type testing in accordance with BS 848 Part 1 and FID performance determined to be:

| ($m^3/h$) | extract | intake |
|---|---|---|
| GX6 | 266 | |
| GX9 | 728 | 456 |
| GX12 | 1614 | 1002 |

- All models shall have totally enclosed AC motors with sealed for life bearings with external rotor motors on GX9 / GX12 and safety thermal overload protection
- The high efficiency moulded axial bladed impeller shall be pre-balanced and designed for optimum performance and ease of removal for cleaning
- Motor/impeller assembly shall be in a rigid ABS housing with high gloss white finish and incorporate a finger guard
- A passive trickle vent option shall be incorporated into the inner grille shutter cassette to provide low level ventilation when the unit is not in use
- The shutter shall be operated by a silent electrothermal actuator
- It shall be possible to remove the inner grille and shutter cassette separately for cleaning
- An outer grille shall be provided, this to be moulded in Shadow Grey ABS with high gloss finish and incorporate weather resistant vanes
- On GX9 and GX12 models customer electrical connection shall be via an internal tamper-proof plug and socket
- On GX9 and GX12 models a concealed switch on the unit shall predetermine the mode of operation: intake only, or extract only or optional controller operation for speed control and reversibility
- The unit shall be BEAB approved
  Overall dimensions: W x H x D

| | |
|---|---|
| GX6 | 210 x 226 x 112mm |
| GX9 | 294 x 312 x 117mm |
| GX12 | 380 x 408 x 161mm |

External depth shall be 32mm/32mm and 34mm respectively

# Xpelair Typical Specification

## Xpelair PX6, PX9 & PX12

The unit is to be supplied from the Xpelair PX range by Applied Energy Products Ltd.
Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| PX6 | 91300AW |
| PX9 | 91299AW |
| PX12 | 91298AW |

- The fan shall be suitable for ceiling or panel mounting. Performance shall have been proven by type testing in accordance with BS 848 Part 1 and FID performance determined to be:

| ($m^3/h$) | extract | intake |
|---|---|---|
| PX6 | 246 | |
| PX9 | 790 | 458 |
| PX12 | 1712 | 1070 |

- All models shall have totally enclosed AC motors with sealed for life bearings, with external rotor motors on PX9 / PX12, and safety thermal overload protection
- The high efficiency moulded axial bladed impeller shall be pre-balanced and designed for optimum performance and ease of removal for cleaning
- Motor/impeller assembly shall be in a rigid ABS housing with high gloss white finish and incorporate a finger guard
- A passive trickle vent option shall be incorporated into the inner grille shutter cassette to provide low level ventilation when the unit is not in use
- The shutter shall be operated by a silent electrothermal actuator
- It shall be possible to remove the inner grille and shutter cassette separately for cleaning on PX9 and PX12 models
- Customer electrical connection shall be via an internal tamper- proof plug and socket on PX9 and PX12 models
- A concealed switch on the unit shall predetermine the mode of operation: intake only, or extract only or optional controller operation for speed control and reversibility (PX9 and PX12 only)
- The unit shall be BEAB approved
- Overall internal projection shall be:

| | |
|---|---|
| PX6 | 11mm |
| PX9 / PX12 | 18mm |

## Xpelair RX6, RX9 & RX12

The unit is to be supplied from the Xpelair RX range by Applied Energy Products Ltd.
Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| RX6 | 90818AW |
| RX9 | 90424AW |
| RX12 | 90425AW |

- The fan shall be suitable for roof mounting through clear and obscure glazing, polycarbonate sheeting, roof mounting plates and materials up to 25mm
- On non smooth glass surfaces a suitable sealant shall be applied to the outer gasket
- Performance shall have been proven by type testing in accordance with BS 848 Part 1 and FID performance determined to be:

| ($m^3/h$) | extract | intake |
|---|---|---|
| RX6(T) | 206 | |
| RX9 | 511 | 438 |
| RX12 | 1100 | 915 |

- All models shall have totally enclosed AC motors with sealed for life bearings, with external rotor motors on RX9 / RX12, and safety thermal overload protection
- The high efficiency moulded axial bladed impeller shall be pre-balanced for optimum performance and ease of removal for cleaning
- Motor/impeller assembly shall be in a rigid ABS housing with high gloss finish and incorporate a finger guard
- A passive trickle vent option shall be incorporated into the inner grille shutter cassette to provide low level ventilation when the unit is not in use
- The shutter shall be operated by a silent electrothermal actuator
- It shall be possible to remove the inner grille and shutter cassette separately for cleaning
- An outer roof cowl with internal deflector shall be provided, this to be moulded in ABS with high gloss UV stabilised finish on RX9 and RX12 models
- Customer electrical connection shall be via an internal tamper-proof plug and socket on RX9 and RX12 models
- A concealed switch on the unit shall predetermine the mode of operation: intake only, or extract only or optional controller operation
- The unit shall be BEAB approved
- Overall internal projection shall be:

| | |
|---|---|
| RX6 | 112mm |
| RX9 | 117mm |
| RX12 | 161mm |

## Xpelair WX6, WX9 & WX12

The unit is to be supplied from the Xpelair WX range by Applied Energy Products Ltd.
Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| WX6 | 90822AW |
| WX6T | 90823AW |
| WX9 | 89996AW |
| WX12 | 90011AW |

- The fan shall be suitable for wall mounting
- Installation shall be mortar free and the product shall be supplied complete with wall liner
- Performance shall have been proven by type testing in accordance with BS 848 Part 1 and FID performance determined to be:

| ($m^3/h$) | extract | intake |
|---|---|---|
| WX6(T) | 246 | |
| WX9 | 783 | 477 |
| WX12 | 1715 | 969 |

- All models shall have totally enclosed AC motors with sealed for life bearings, with external rotor motors on WX9 / WX12, and safety thermal overload protection
- The high efficiency moulded axial bladed impeller shall be pre-balanced and designed for optimum performance and ease of removal for cleaning
- Motor/impeller assembly shall be in a rigid ABS housing with high gloss white finish and incorporate a finger guard
- A passive trickle vent option shall be incorporated into the inner grille shutter cassette to provide low level ventilation when the unit is not in use
- The shutter shall be operated by a silent electrothermal actuator
- It shall be possible to remove the inner grille and shutter cassette separately for cleaning
- An outer grille shall be provided, this to be moulded in Shadow Grey ABS with high gloss finish and incorporate weatherproof vanes
- On WX9 and WX12 models customer electrical connection shall be via an internal tamper-proof plug and socket
- On WX9 and WX12 models a concealed switch on the unit shall predetermine the mode of operation: intake only, or extract only or optional controller operation for speed control and reversibility
- The unit shall be BEAB approved
- Overall internal projection shall be:

| | |
|---|---|
| WX6 | 11mm |
| WX9 / WX12 | 18mm |

## Xpelair WXXL

The unit is to be supplied from the Xpelair WXXL range by Applied Energy Products Ltd.
Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| Extract models | |
| WXXL350 | 91301AA |
| WXXL400 | 91302AA |
| WXXL450 | 91303AA |
| Intake models | |
| WXXLS350 | 91383AA |
| WXXLS400 | 91384AA |
| WXXLS450 | 91385AA |

- WXXL models shall have G.S.M.telescopic wall liner suitable for installation in solid and cavity walls from 275mm to 375mm
- The external rotor motor rated at IP44 shall be fitted with sealed for life maintenance free bearings
- On the inner wall face the fan shall be fitted with a white epoxy coated aluminium internal wall grille with removable core for easy cleaning. The fan assembly shall be separately guarded for additional safety
- The shutter shall be manufactured from aluminium housed behind a anodised aluminium external weather louvre
- On intake models the shutter shall be electro-mechanically opened and be fitted with a washable prefilter
- The fan shall have a built in three speed control. A separate slimline three position and off selection switch shall be provided for remote wall mounting

# Xpelair Typical Specification

## Xpelair ChefX

The unit is to be supplied from the Xpelair ChefX range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| ChefX Tempo | 91309AA |
| ChefX Presto | 91310AA |
| ChefX Mezzo | 91311AA |
| | |
| Controls for Presto/Mezzo | |
| Transformer | 91369AA |

- Professional quality extract canopy of robust construction designed for spot ventilation in food preparation and wash up areas. Designed for exhaust operation to the outside using rigid ductwork supplied by others
- The canopy housing shall be manufactured in stainless steel with G.S.M internal support
- Washable grease filters shall be provided
- The hood shall have an integral fan assembly with continuously rated motor and sealed for life beatings. The motor shall be IPX4 rated and be suitable for temperatures up to 65°C
- The motor shall be speed controllable using optional electronic controller or a five step voltage transformer. The tempo model shall be fitted with a built in speed controller and integral lighting
- Dimensions

| | H x W x L |
|---|---|
| Tempo | 180 x 600 x 540 |
| Presto | 2350 x 1000 x 460 |
| Mezzo | 400 x 1000 x 1000 |

- Performance @ 100pa duct resistance

| | |
|---|---|
| Tempo | 400m³/h |
| Presto | 2200m³/h |
| Mezzo | 2800m³/h |

## Xpelair Digitemp

The unit is to be supplied from the Xpelair Digitemp range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| Cooling | |
| WA210N | 91173AA |
| WA245N | 91174AA |
| | |
| Heating & cooling | |
| WHP210N | 91175AA |
| WHP245N | 91154AA |

- The three speed unit shall be designed for surface mounting on walls at high or low level without the need for an external condenser
- Two airside wall tubes shall be provided for fitting through 155mm sloping core drilled holes through the external wall to the outside
- The maximum length of the tubes shall be 1000mm
- Two folding external grilles shall be supplied for fitting through the wall tubes from within the room
- All "cooling only" (WA210N & WA245N) units shall not require a condensate drain
- Control shall be from a full function hand held infrared controller with a range of 8m
- The unit refrigerant shall be factory sealed with no opening of the system or hose connections on site
- Refrigerant R410a shall be used having an Ozone Depletion Power Rating of '0'
- The unit shall be fitted with a pollen filter
- The unit shall be sound insulated and have a super quiet night time function
- The unit shall have a self-diagnostic system, which displays the condition of the unit using a series of LEDs
- Performance shall be as follows:

| model | cooling | heating |
|---|---|---|
| | kW | kW |
| WA210N | 2.1 | |
| WA245N | 2.45 | |
| WHP210N | 2.1 | 1.9 |
| WHP245N | 2.45 | 2.03 |

- Overall dimensions:
  WxHxD 870 x 400 x 280mm
  Min. diameter of holes: 155mm

## Xpelair WH30, WH60 & WHP30

The unit is to be supplied from the Xpelair WH range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| WH30 | 98392AC |
| WH60 | 00147AC |
| WHP30 | 89999AW |

- The space heater shall be suitable for wall mounting and in the case of the 6kW version also suitable for suspension from above
- The unit shall be capable of being adjusted both in the vertical and horizontal planes and then fixed in position
- The industrial models shall have a robust steel casing with die cast aluminium guards.
- Commercial model shall have a flame retardant polycarbonate/glass filled nylon case finished in white and grey
- The heating elements shall be of spiral wound nichrome wire design
- The fan shall have a totally enclosed, continuously rated, maintenance free motor with greased for life bearings
- The terminal block shall be easily accessible for wiring in position
- A control unit shall be available for the 3kW versions to enable the fan to be run during warmer months or fan heater mode with thermostatic control for heating
- The 3kW versions shall be suitable for connection to a single phase supply. The 6kW model shall be suitable for connection to either a singe phase or three phase supply
- Overall dimensions including mounting bracket with the unit mounted vertically:

| | W x H x D |
|---|---|
| WH30 | 254 x 368 x 270mm |
| WH60 | 276 x 429 x 327mm |
| WHP30 | 267 x 370 x 370mm |

## Xpelair DCH3000A

The unit is to be supplied from the Xpelair DCH range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref. |
|---|---|
| DCH3000A | 90792AW |

- The fan assisted heater shall be suitable for wall mounting by way of two mounting points to the rear of the cabinet
- The heater shall not require any feet and shall be mounted clear of the floor surface
- The tangential fan shall be balanced. The motor shall be maintenance free with sealed for life bearings and safety thermal overload protection. In addition there shall be a safety cut out with disconnection from the mains to reset
- The heating element shall be a spiral wound design. There shall be three switches providing On/Off, and 1kW, 2kW or 3kW output. A further rotary knob will permit the setting of the room temperature for automatic operation and lamp shall indicate the unit is operating
- The unit shall be BEAB approved
- Overall dimensions W x H x D
  505 x 265 x 110mm

## Xpelair PlinthHeat

The unit is to be supplied from the Xpelair PlinthHeat range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| With integral control switches: | |
| PlinthHeat W | 91465AW |
| PlinthHeat B | 91466AB |
| PlinthHeat S | 91312AW |
| With remote controls*: | |
| PlinthHeat WR | 91467AW |
| PlinthHeat BR | 91468AB |
| PlinthHeat SR | 91313AW |
| *remote controller | 87100 |

- The fan assisted heater shall be suitable for installation in the standard plinths of a kitchen cabinet of 120mm or more
- There shall be an air inlet on either side of the fascia plate and three horizontal outlet grille sections in the centre
- The fascia shall be available in two powder coated finishes and additionally available in brushed stainless steel to match the kitchen decor
- The fascia shall have six fixing holes for secure attachment to the plinth
- The heating element shall be a spiral wound design
- There shall be two switches on the integral control model providing On/Off, and 1kW or 2kW output. A lamp shall indicate the output chosen
- A separate kit shall be available for the remote operated versions consisting of a thermostat and means of isolation. For safety the heater shall have an automatic thermal cutout
- The fan shall be of axial design with a maintenance free motor having sealed for life bearings and safety thermal overload protection
- Overall dimensions: W x H x D
  470 x 120 x 240mm
- Hole dimensions shall be 95 x 440mm

***** Requires remote thermostatic control kit consisting of wall mounted single stage variable thermostat, fused double pole switch, two gang box and cable wall clamp. **Ref. 87100**

## Xpelair ScreenHeat

The unit is to be supplied from the Xpelair ScreenHeat range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| 1.5 - 3kW | 91469AW |
| 2.25 - 4.5kW | 91470AW |

- The hot air curtain shall be suitable for wall or ceiling mounting using the brackets provided. The units shall be in standard 600mm modular widths for side by side mounting over larger width doorways
- The brackets shall have key hole slots for easy installation
- Motor shall be shaded pole, maintenance free, with sealed for life bearings and safety thermal overload protection
- The fan shall be tangential and balanced to provide quiet vibration free operation
- The element shall be of open coil construction and supported by ceramic insulators
- The casing shall be manufactured in zinc coated steel, externally powder coated in a white finish
- Overall dimensions: W x H x D
  610 x 185 x 105mm

# Xpelair Typical Specification

## Xpelair Whispair

The unit is to be supplied from the Xpelair Whispair range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| NWAN36 900mm | 90409AW |
| NWAN48 1200mm | 90410AW |
| NWAN56 1400mm | 90411AW |
| NWAN60 1500mm | 90412AW |

- The unit shall be suitable for suspension from a ceiling using the ceiling anchor and suspension rod with integral anti-vibration bobbin provided
- Two lengths of rods shall be provided namely 375mm and 750mm
- The fan blades shall be powder coated steel and suitable for high humidity environments
- Air delivery shall be:

| Blade dia. | $m^3/h$ |
|---|---|
| 900mm | 8761 |
| 1200mm | 10890 |
| 1400mm | 12474 |
| 1500mm | 13959 |

- The motor shall be a continuously rated, capacitor start and run, external rotor motor design. It shall be maintenance free and incorporate two sets of caged ball bearings for long life. The motor shall be suitable for hot and humid conditions up to 40ºC
- Colour: White
- Supply Voltage: 220-240V 50/60Hz

**Xpelair Single Whispair Controller WAC1**
**Ref. 21852AW**
- Two slide switches provides On/Off operation and 5 speed settings. Complete with transformer controller for quiet operation and 'fan running' indicator light

**Xpelair Group Whispair Controller WAC6**
**Ref. 21853AW**
- For the simultaneous speed control of 1 to 6 Whispair units. Two slide switches provides On/Off operation and infinitely available speed settings
- Complete with 'fan running' indicator light

**Xpelair Group Whispair Reversing Controller WAC6R**
**Ref. 21878AW**
- For the simultaneous speed control of 1 to 6 Whispair units. Two slide switches provides On/Off operation and infinitely variable speed settings. Complete with 'fan running' indicator light and choice of winter/summer upwards or downwards airflow

**Xpelair Whispair Auto Temperature Controller AWC**
**Ref. 21857AW**
- De-stratification controller supplied with two thermo sensors at high / low level monitoring between preset minimum and maximum values. For the simultaneous speed control of 1 to 10 Whispair units. Three slide switches provides On/Off operation and upwards or downwards rotation, manual override
- Complete with fan running light
- w210 x h86 x d45mm

## Xpelair Electrostatic Air Cleaners

The unit is to be supplied from the Xpelair EAC range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| Surface mounted | |
| Airflow: 400 to 1000$m^3/h$ | |
| EAC400W White | 89861AW |
| EAC400K Black/woodgrain | 89869AK |
| Airflow: 1000 to 2000 $m^3/h$ | |
| EAC700W White | 89862AW |
| EAC700K Black/woodgrain | 89870AK |
| Recess mounted | |
| Airflow: 420 to 780$m^3/h$ | |
| EACF400W Off White | 90015AW |
| Airflow: 1080 to 1500$m^3/h$ | |

- The electrostatic filtration unit shall be suitable for surface, and recess mounting, on ceilings
- The unit shall be supplied with a remote control to provide On/Off operation and variation in fan speed
- The electrostatic cell shall be manufactured in aluminium having filtration effective to 0.01 microns. There shall additionally be a pre-filter to capture general airborne particles
- The unit shall have a status indicator panel and a 'wash' indicator panel LED shall illuminate when the electrostatic cell and pre-filter require cleaning
- The casing of the surface models shall be manufactured in a polymeric material
- The flush model shall be of G.S.M. construction with a pressed steel fascia louvre coated studio finish off white, ready for painting to tone with ceiling décor
- The grille pattern shall provide a wide coverage
- Overall dimensions:

| | W x H x D |
|---|---|
| EAC 400 | 485 x 273 x 739 |
| EAC 700 | 739 x 320 x 739 |
| EACF 400 | 570 x 343 x 572 |

- Class 1 Earthed appliance
- Supply voltage: 220-240V 50Hz

## Xpelair Scimitar XPMS

The unit is to be supplied from the Xpelair XPMS range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| XPMS315-12 | 91526AA |
| XPMS315-14 | 91527AA |
| XPMS355-14 | 91529AA |
| XPMS400-14 | 91530AA |
| XPMS400-16 | 91531AA |
| XPMS450-14 | 91532AA |
| XPMS450-16 | 91533AA |
| XPMS500-14 | 91534AA |
| XPMS500-16 | 91535AA |
| XPMS560-14 | 91536AA |
| XPMS560-16 | 91537AA |
| XPMS630-16 | 91539AA |

- The fan shall be suitable for reverse operation
- The fan plate shall be manufactured from a single steel pressing to ensure perfect form of the inlet bell mouth and uniformity of impeller tip clearance
- The fan body, impeller and motor housing shall be further protected from deterioration by coating with corrosion resistant powder coat finish
- The motor shall be IP44 and IP54 rated external rotor type, AC capacitor start and run and have sealed for life ball bearings. Terminals will be provided for connection to an external thermal/overload protection device
- Insulation is to be rated to class F
- Impellers shall be high efficiency, low noise pressed steel sickle blade design. Rotors and Impellers are to be dynamically balanced to ISO 1940-1:1986 Grade G 6.3
- Customer connection shall be conveniently located in an IP54 rated terminal box located on the rear of the motor
- The fans shall be suitable for use in ambient temperatures ranging from -30°C to +60°C and higher on selected models
- All fans shall be supplied with an integral inlet guard to EN294
- The fan shall be fully speed controllable using the appropriate speed controller or 5 step auto transformer (available as an ancillary)
- Must be suitable for 220-240V IPH 50Hz electrical supply

## Xpelair Scimitar XSCS

The unit is to be supplied from the Xpelair XSCS range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| XSCS315-12 | 91570AA |
| XSCS315-14 | 91571AA |
| XSCS355-14 | 91573AA |
| XSCS400-14 | 91574AA |
| XSCS400-16 | 91575AA |
| XSCS450-14 | 91576AA |
| XSCS450-16 | 91577AA |
| XSCS500-14 | 91578AA |
| XSCS500-16 | 91579AA |
| XSCS560-14 | 91580AA |
| XSCS560-16 | 91581AA |
| XSCS630-16 | 91583AA |

- The fan housing shall be manufactured from galvanised steel. Drilled flanges shall be provided at either end of the case
- The fan body, impeller and motor housing shall be further protected from deterioration by two coats of corrosion resistant powder coat finish
- Motor mounting shall be via rigid welded steel rod construction and support the motor at four points
- The unit shall be capable of mounting at any angle or in any plane
- The motor shall be IPX4 rated external rotor type, AC capacitor start and run and have sealed for life ball bearings and inbuilt thermal protection. Insulation is to class F
- Impellers shall be high efficiency, low noise pressed steel sickle blade design
- Rotors and impellers are to be dynamically balanced to ISO 1940-1:1986 Grade G 6.3
- Customer connection shall be conveniently located in an IPX4 rated terminal box attached to the body of the fan
- Terminals shall be provided within the terminal box for connection to an external thermal overload protection device
- The fans shall be suitable for use in ambient temperatures ranging from –30°C to +60°C minimum and higher on selected models
- The fan shall be fully speed controllable using the appropriate speed controller or 5 step auto transformer (available as an ancillary)
- Must be suitable for 220-240V IPH 50Hz electrical supply

## Xpelair Rapier XPMA

The unit is to be supplied from the Xpelair XPMA range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| XPMA315-12 | 91540AA |
| XPMA315-14 | 91541AA |
| XPMA355-14 | 91543AA |
| XPMA400-14 | 91545AA |
| XPMA400-16 | 91546AA |
| XPMA450-14 | 91547AA |
| XPMA450-16 | 91548AA |
| XPMA500-14 | 91040AA |
| XPMA500-16 | 91549AA |
| XPMA560-16 | 91550AA |
| XPMA630-16 | 91050AA |
| XPMA710-16 | 91055AA |

- The fan shall be suitable for reverse operation
- The fan plate shall be manufactured from a single steel pressing to ensure perfect form of the inlet bell mouth and uniformity of impeller tip clearance
- The fan body, impeller and motor housing shall be further protected from deterioration by coating with corrosion resistant powder coat finish
- The motor shall be IP44 and IP54 rated external rotor type, AC capacitor start and run and have sealed for life ball bearings. Terminals will be provided for connection to an external thermal/overload protection device
- Insulation is to be rated to class F
- Impellers shall be high efficiency, low noise pressed steel sickle blade design
- Rotors and impellers are to be dynamically balanced to ISO 1940-1:1986 Grade G 6.3
- Customer connection shall be conveniently located in an IP54 rated terminal box located on the rear of the motor
- The fans shall be suitable for use in ambient temperatures ranging from -30°C to +60°C and higher on selected models
- All fans shall be supplied with an integral inlet guard to EN294
- The fan shall be fully speed controllable using the appropriate speed controller or 5 step auto transformer (available as an ancillary)
- Must be suitable for 220-240V IPH 50Hz electrical supply

# Xpelair Typical Specification

## Xpelair Rapier XSCA

The unit is to be supplied from the Xpelair XSCA range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| XSCA315-12 | 91584AA |
| XSCA315-14 | 91585AA |
| XSCA355-14 | 91587AA |
| XSCA400-14 | 91589AA |
| XSCA400-16 | 91590AA |
| XSCA450-14 | 91591AA |
| XSCA450-16 | 91592AA |
| XSCA500-14 | 91078AA |
| XSCA500-16 | 91593AA |
| XSCA560-16 | 91594AA |
| XSCA630-16 | 91595AA |
| XSCA710-16 | 91597AA |

- The fan housing shall be manufactured from galvanised steel. Drilled flanges shall be provided at either end of the case
- The fan body, impeller and motor housing shall be further protected from deterioration by two coats of corrosion resistant powder coat finish
- Motor mounting shall be via rigid welded steel rod construction and support the motor at four points
- The unit shall be capable of mounting at any angle or in any plane
- The motor shall be IPX4 rated external rotor type, AC capacitor start and run and have sealed for life ball bearings and inbuilt thermal protection. Insulation is to class F
- Impellers shall be high efficiency, low noise pressed steel sickle blade design
- Rotors and impellers are to be dynamically balanced to ISO 1940-1:1986 Grade G 6.3
- Customer connection shall be conveniently located in an IPX4 rated terminal box attached to the body of the fan
- Terminals shall be provided within the terminal box for connection to an external thermal overload protection device
- The fans shall be suitable for use in ambient temperatures ranging from –30°C to +60°C minimum and higher on selected models
- The fan shall be fully speed controllable using the appropriate speed controller or 5 step auto transformer (available as an ancillary)
- Suitable for 220-240V

## Xpelair Rapier Roof XRA

The unit is to be supplied from the Xpelair XRA range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| XRA315-12 | 91997AA |
| XRA350-14 | 91998AA |
| XRA400-14 | 91999AA |
| XRA450-14 | 92000AA |
| XRA500-16 | 92001AA |
| XRA630-16 | 91340AA |

- The roof cowl assembly shall be manufactured in glassfibre with a UV stabilised external finish
- The assembly shall include a birdguard and holes for fixing to the roof upstand (constructed by others)
- The fan plate and bellmouth assembly shall be manufactured from a single steel pressing to ensure perfect form and uniformity of impeller tip clearance
- The fan body, impeller and motor housing shall be further protected from deterioration by coating with corrosion resistant powder coat finish
- The motor shall be IP54 rated on sizes 500 and 630mm and IP44 rated on 315 - 450mm. external rotor motor type, AC capacitor start and run and have sealed for life bearings
- Terminals shall be provided for connection to an external thermal overload protection device
- Insulation rating shall be class F. Impellers shall be high efficiency, low noise pressed steel sickle design for sizes 315 to 450mm and die cast aluminium aerofoil section for sizes 500 and 630mm
- Rotors and impellers shall be dynamically balanced to ISO 1940 - 1.1986 Grade G 6.3
- Customer connection shall be conveniently positioned in a IPX4 terminal box
- The fan shall be suitable for use in ambient temperatures ranging from -30°C to +60°C and higher on selected models
- The fan section shall have an integral inlet guard to EN294
- The fan shall be fully speed controllable using the appropriate optional electronic speed controller or 5 step auto transformer
- Suitable for 220-240V

## Xpelair XMV

The unit is to be supplied from the Xpelair XMV range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

- The unit shall be designed for installation in the horizontal plane on a suitable roof curb or purlin box (supplied by others)
- The unit shall be designed for the extraction of air with temperatures up to 100°C
- The motor shall be located out of the airstream and be suitable for external ambient temperatures from -30°C to +40°C
- The motor shall be speed controllable using a five step transformer and DOL starter
- The models shall be available for single or three phase operation and in 4 and 6 pole
- A service isolator shall be provided on the unit
- The impeller shall be of aluminium construction with polyamide blades
- A discharge birdguard shall be provided
- The casing and twin wall body assembly shall be manufactured in high density Polyethylene and coloured RAL 9002 beige
- The unit shall be 100% recyclable
- A full range of optional five step transformers and starters shall be available for all models
- Suitable for 220-240V

## Xpelair XID

The unit is to be supplied from the Xpelair XID range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| XID100 | 90101AA |
| XID125 | 90102AA |
| XID150 | 90103AA |
| XID200 | 90104AA |
| XID250 | 90208AA |
| XID315 | 90106AA |

- The fan housing shall be manufactured from zinc coated sheet steel with integral bell mouth inlet & down stream guidevanes
- The duct connection spigot shall be 30mm deep minimum to facilitate secure connection of the ductwork
- The fan shall be supplied complete with a universal mounting bracket
- The unit shall be capable of mounting at any angle or in any plane
- Motors shall be IP44 rated external rotor type, AC capacitor start and run and have sealed for life ball bearings and inbuilt thermal protection. Insulation is to be rated to class F
- Impellers are to be backward curved centrifugal and dynamically balanced to ISO 1940-1:1986 Grade G 6.3
- External terminal connection box
- The capacitor shall be mounted out of the airstream and housed within the customer connection terminal box located on the fan body
- The fans shall be suitable for use in ambient temperatures ranging from –30°C to +50°C
- The fan shall be fully speed controllable using the XIC1 speed controller (available as an ancillary Ref. 21858AW)
- Must be suitable for 220V-240V

## Xpelair XIDP

The unit is to be supplied from the Xpelair XIDP range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| XIDP100 | 91383AA |
| XIDP125 | 91384AA |
| XIDP150 | 91385AA |
| XIDP200 | 91386AA |
| XIDP250 | 91387AA |
| XIDP315 | 91388AA |

- The fan shall be suitable for use with rigid or flexible ductwork
- The housing shall be manufactured in a an impact resistant and fire retardant polymer with integral bell mouth entry, guidevanes and terminal connection box
- The fan shall be supplied with universal mounting bracket. The unit shall be capable of being mounted at any angle and in any plane
- Motors shall be IP44 rated external rotor type, AC capacitor start and run and have sealed for life ball bearings and inbuilt thermal protection. Insulation is to be rated to class F
- Impellers shall be backward curved centrifugal, dynamically balanced to ISO 1940:1986 Grade G 6.3
- The capacitor shall be mounted out of the airstream and located on the fan body
- The fan shall be suitable for use in ambient temperatures from -30°C to +50°C
- The fan unit shall be fully speed controllable using XIC1 speed controller available as an ancillary
- Must be suitable for 220V-240V

## Xpelair Xpress XPRS

The unit is to be supplied from the Xpelair Xpress range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ. Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| XPRS250 | 91498AA |
| XPRS315 | 91499AA |
| XPRS355 | 91500AA |
| XPRS355+ | 91501AA |

- The inline fan shall have a pressure characteristic up to 250% higher than a conventional unit
- The fan shall have a steel housing with a contoured bellmouth entry and integrated foot
- The mixed flow fan blade shall be fabricated and balanced on the hub assembly to G 2.5 ISO 1940. There shall be matching aerofoil section guidevanes
- The motor shall be a continuously rated capacitor start and run motor with integrated thermal overload protection
- Wiring to the outside of the unit shall to to a terminal box rated at IP44
- The fan diameter shall be no bigger than the duct in which it will be installed
- The fan shall be speed controllable using a Five step auto transformer
- Must be suitable for 220V-240V

# Xpelair Typical Specification

## Xpelair MinimX C XCDF

The unit is to be supplied from the Xpelair MinimX C range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ. Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| XCDF100 | 91502AA |
| XCDF125 | 91503AA |
| XCDF150 | 91504AA |
| XCDF200 | 91505AA |
| XCDF250 | 91506AA |
| XCDF315 | 91507AA |

- Pressure developing low profile inline fans with hinged 'swing out' motor/impeller panel for periodic inspection and service access
- Casing shall be manufactured in galvanised sheet metal with 20mm spigot flanges and integral first-fit key hole mounting slots
- Motor shall be continuously rated two pole of external rotor motor / fan assembly design balanced in two planes to DIN ISO 1940. Insulation shall be IP44 Class F with thermal overload protection
- Bearings shall be lubricated for life. IP44 protection
- The fan shall be fitted with a terminal box incorporating knock outs and one cable entry gland rated IP44
- Must be suitable for 220V-240V

## Xpelair LoSound C LQTC

The unit is to be supplied from the Xpelair LoSound range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ. Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| LQTC125 | 91989AA |
| LQTC150 | 91990AA |
| LQTC200 | 91991AA |
| LQTC250 | 91992AA |
| LQTC315 | 91993AA |
| LQTC355 | 91994AA |

- The casing shall be manufactured in galvanised sheet metal with integral keyhole fixing points
- The casing shall be lined on four sides with 40mm faced attenuation material
- The unit shall be provided with a removable cover with quick release catches for periodic inspection and cleaning
- External rotor motor and forward curved centrifugal fan assembly shall be balanced in two planes to DINISO 1940
- The motor shall be maintenance free with sealed for life bearings, and integral thermal overload protection
- The IP44 Class F capacitor start and run motor shall be rated for continuous running
- A 3m three core flexible cord shall be provided with the unit

## Xpelair CubeX CMAX CBXC

The unit is to be supplied from the Xpelair CBXC range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ. Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| CBXC280S315 | 91508AA |
| CBXC280S355 | 91509AA |
| CBXC315S315 | 91510AA |
| CBXC315S355 | 91512AA |
| CBXC355S315 | 91513AA |
| CBXC355S355 | 91514AA |
| CBXC400S400 | 91515AA |
| CBXC400S450 | 91516AA |

- Unit casings shall be constructed from galvanised sheet metal using a frameless construction method. The casing shall be double skin with the addition of 40mm of sound attenuating insulation, the casing shall be available with a choice of two spigot sizes for adaption to site ductwork
- Fan shall he high efficiency backward curved with matched external rotor. The motor shall be fitted with sealed for life bearings and be fitted with Thermal overload protection to the terminal block with full motor protection through an external tripping device
- Speed control shall be through an optional variable voltage device
- Centrifugal impeller motor rating IP55 Class F

## Xpelair HiFlo CMAX XSFA

The unit is to be supplied from the Xpelair XSFA range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| XSFA100 | 91389AA |
| XSFA125 | 91390AA |
| XSFA150 | 91391AA |
| XSFA200 | 91392AA |
| XSFA250 | 91393AA |
| XSFA315 | 91394AA |
| XSFA315+ | 91395AA |
| XSFA400 | 91396AA |
| XSFA400+ | 91397AA |

- Unit casings shall be manufactured from best quality galvanised sheet steel with access from top or bottom
- Reinforced slotted safety fixing points shall be incorporated to facilitate drop-rods or mounting bolts within overall unit width
- All permanent fixings shall be rivetted and all removable items shall be retained via setscrews and nutserts
- Acoustic insulation shall be self adhesive foam construction meeting Class 0 rating to BS476 Parts 6 and 7 to minimise noise breakout
- Fans shall be single-inlet, single width, or double-inlet, double-width, centrifugal type with high efficiency, low noise, forward-curved, multiblade galvanised sheet steel impellers housed within galvanised steel scrolls
- Motor/impeller assemblies shall be statically and dynamically balanced, in two planes, in accordance with BS 5265, Part 1, 1979 to G2.5
- Fans shall be mounted individually onto fan decks to facilitate easy removal
- Motors shall be totally enclosed, high-efficiency, split-capacitor type with power factors of better than 0.9. Maximum ambient operating temp. 40°C
- Bearings shall be sealed-for-life, maintenance-free, ball bearing type with a minimum life expectancy of 50,000 hours under design operating conditions
- Insulation shall be to Class 'B' or 'F' with enclosure to IP44
- The fan shall be fully speed controllable using the appropriate optional electronic speed controller or 5 step auto transformer
- Single fan unit
- Must be suitable for 220V-240V

## Xpelair ManCoolers

The unit is to be supplied from the Xpelair ManCooler range by Applied Energy Products Ltd. Morley Way, Peterborough PE2 9JJ.
Tel. +44 (0)1733 456789

| Model | Ref |
|---|---|
| ManCooler | |
| MC350 | 91408AA |
| MC400 | 91409AA |
| MC400 110V | 92309AA |
| MC450 | 91410AA |
| MC560 | 91411AA |
| | |
| Trapeze | |
| TP450 | 91412AA |

- The floor standing units shall be supplied complete with robust tubular stand for fast set up on site
- The casing shall be adjustable and capable of being locked at the desired angle of operation
- The motor shall be totally enclosed with maintenance free sealed for life bearings and safety thermal overload protection
- The impeller shall comprise of a central hub with fully adjustable high performance blades aerofoil blades
- Finger guards to DIN24167 (UNE 20-359-74) shall be fitted to each end of the casing with bolted fixings
- The terminal box shall be no less than IP55
- The Trapeze model shall additionally be available for suspension at high level using four steel suspension eyes provided