

XP Viking Modular Range

Features and Benefits

- **Construction Parameters according to EN1886.**
- **Mechanical strength Class D2(M)**
- **Casing air leakage Class L3(M)**
- **Filter bypass leakage $k < 1\%$ / $k < 0,5\%$**
- **50mm Acoustic insulated casing**
- **Thermal transmittance Class T3(M)**
- **Thermal bridging Class TB2(M)**
- **Operation temperature: -40 to + 40 °C**

Model Range

Spanning a duty envelope up to $7.5\text{m}^3/\text{s}$ (Heating only), XP Viking Air Handling units are available in 7 model sizes.

Construction

XP Viking Air handling units have a unique modular frameless construction with smooth internal casing. Modular construction simplifies access/installation with units being delivered in sections for site assembly.

Sandwich construction 1mm panels with 50mm rockwool insulation ($110\text{kg}/\text{m}^3$) providing high air soundproofing of casing and thermal casing insulation with reduced heat losses.

Connection of sections is simple providing fast and easy installation, and the clean inside surface to the unit, allows easy cleaning.

All internal electrical devices are terminated on the external casing with terminal boxes, simplifying installation and reducing installation costs

Units are suitable for internal or external application with options on internal and external finishes.

Easy accessibility to maintenance sections is provided with inspection doors and panels. Variability of connections enables specifiers to combine the side of pipework connections & service access enabling optimisation of the plant room space & ensure easy access for maintenance.

Components

- Fans - Direct or Belt Drive
- Dampers, Mixing Boxes
- Panel Filters, Bag Filters
- Heating Coils (LPHW, Electric, Gas & DX)
- Cooling Coils (CHW & DX)
- Humidification - Steam or Adiabatic
- Heat Recovery (Plate, Rotary & RAC)
- Attenuators
- Indirect Gas-Fired Burners

Configurations

XP Viking Air Handling units are available in either series, parallel or vertical configurations suitable for both internal and external applications. External units offer RAL9002 finish, with optional roof, external louvers, special bonding, dampers located within the unit, and protection of base frames.



A smooth connection between panels and strengtheners allows for easy cleaning to ensure clean surfaces in the unit.



The units have a casing insulated by rockwool with a density of $110\text{kg}/\text{m}^3$, which provides thermal casing insulation (Class T3(M) according to EN1886) and reduced heat losses.

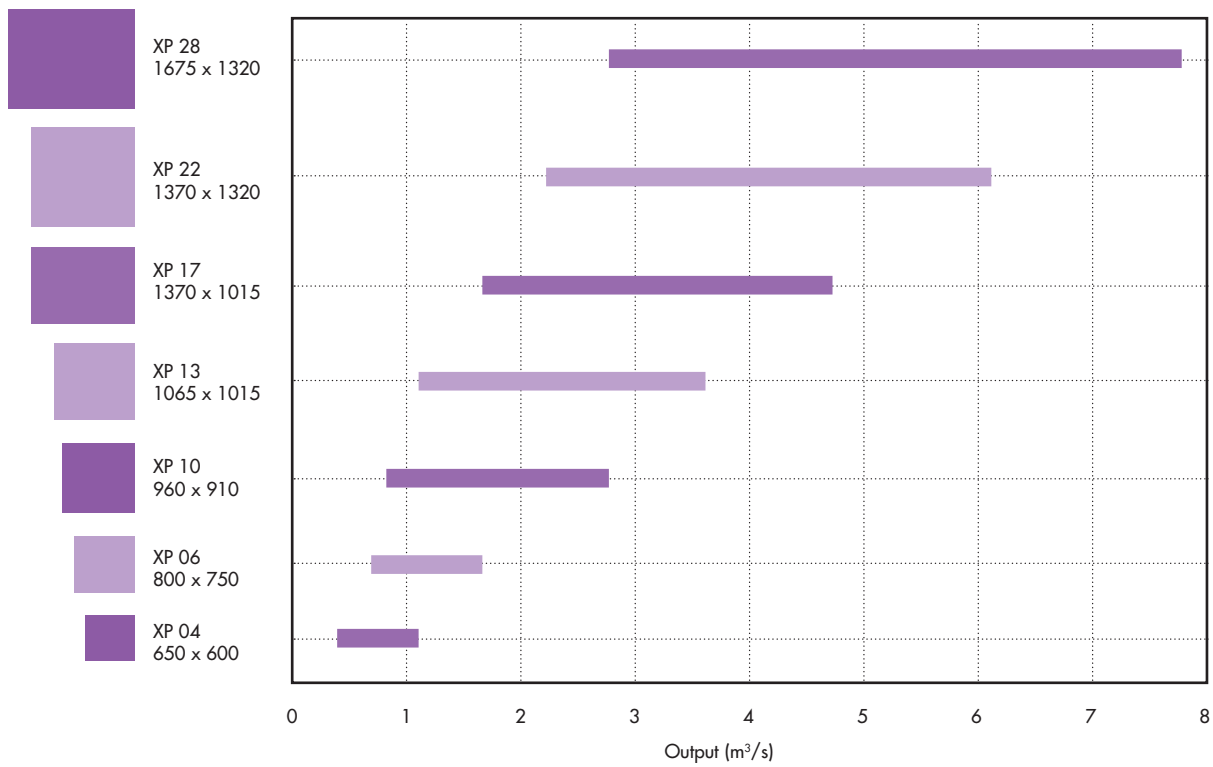


Easy accessibility of all service places is provided by inspection doors and inspection panels. The closing system enables very easy closing of the inspection door.



Parameters

Cross-section (mm)



Functions

Impellers	LPHW	✓
	Electric	✓
Heating	Gas	✓
	DX	✓
	DX	✓
Cooler	Chilled Water	✓
	Plate	✓
Heat Recovery	Wheel	✓
	RAC	✓

Humidification	Steam	✓
	Adiabatic	✓
Filtration	Panel	G3-4
	Bag	G3/4 - F5-9
	Grease	G3
	Compact	F6-9
Attenuators		✓
Controls		Optional