

HPX PACKAGED DX ENERGY EFFICIENT UNITS

The HPX range comprises five models, which are fully packaged DX units complete with high efficiency recuperator, compressor pack and controls.

The units are constructed from extruded aluminium framework, which will have a mill finish. Panels will be double skinned as standard constructed from galvanised steel inner skins and pre-painted steel outer skins. The cavity between the skins will be filled with Class I high-density insulation and can be either 25mm or 50mm thick.

Units are provided with a G4 synthetic panel with F7 rigid bag filters as an option. Filters will be provided with inclined gauge manometers as standard. Magnahelic gauge manometers are also available as an option.



Recuperators are of the high efficiency type formed from aluminium plates with a galvanised steel casing. Plates are sealed to prevent cross contamination. The recuperator is utilised during the summer months to provide "free cooling".

The dynamic heat recovery system utilises R407C within a heat pump refrigeration circuit which will comprise:

- Scroll compressors.
- Copper/Aluminium evaporator/condenser coils.
- Biflux thermostatic valves
- 4-way valves for cycle inversion
- High/Low pressure switches
- Liquid separators and receivers

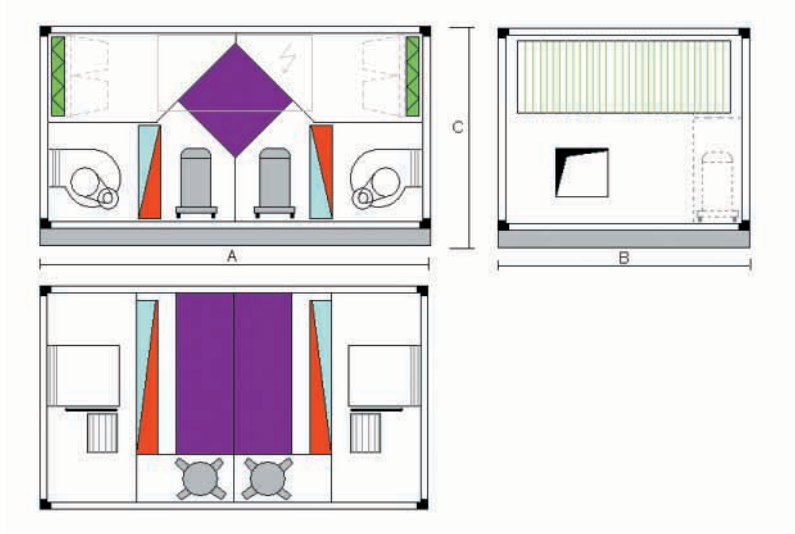
The control panel will be complete with microprocessor for self-control and self-setting working mode. A remote console is provided for set and display. The unit is supplied with a BMS interface.



Standard & Special Air Handling Units for Ventilation & Air Conditioning Applications

Model	020	040	060	090	120
Air Volume M3/s.....Min/Max	0.56 / 0.67	1.11 / 1.33	1.67 / 1.94	2.22 / 2.78	2.78 / 3.89
External Resistance PaMax	350	350	350	350	350
Motor Power kWMin/Max	0.55 / 1.10	1.10 / 2.20	2.20 / 4.00	2.20 / 5.50	3.00 / 7.50
Cooling Capacity (Kw).....Max	13.1	26.1	39.2	53.0	69.9
Heating Capacity (Kw).....Max	21.9	43.5	65.2	88.5	117.1

Power Supply: 415V – 3ph – 50Hz



Dimensions	020	040	060	090	120
Height (C) mm	1300	1560	1860	2020	2020
Depth (B) mm	1000	1200	1500	1850	2250
Length (A) mm	2250	2400	3000	3300	3300
Weight Kg	700	900	1400	1900	2200



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