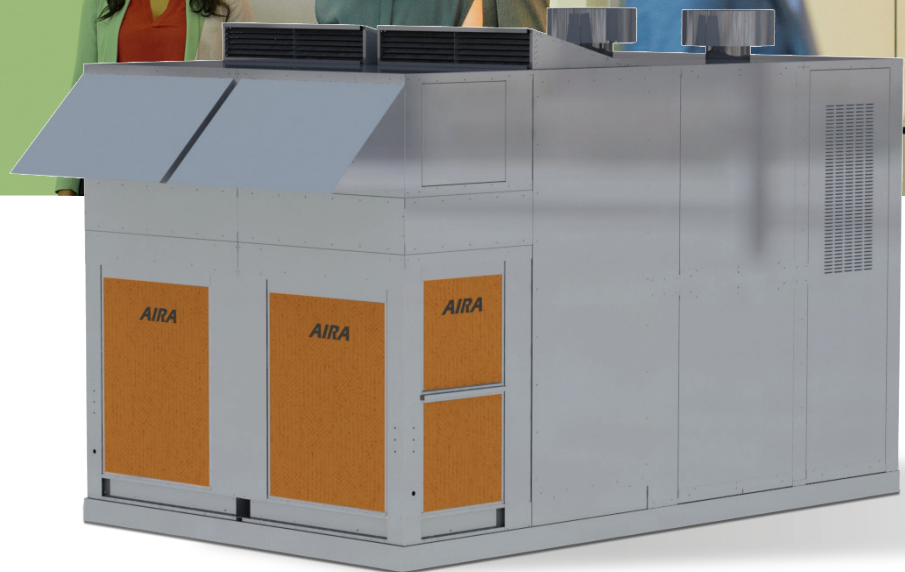


# IDC Series

Heating, cooling and energy recovery systems

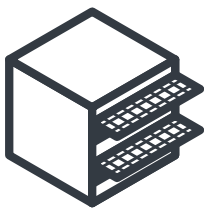
**AIRA**<sup>™</sup>  
By SEELEY INTERNATIONAL 



EC EXHAUST FAN



AUTO DRAIN KIT



LOUVRE COVERS



EXTERNAL WATER CONNECTION

Energy efficient and cost effective for year round comfort. Indirect heating and cooling can run as a stand alone unit or added to a refrigerated system if required.

Ideal for large spaces requiring pressurised air or a high percentage of fresh air.

## FEATURES

- Fresh air heating
- Cheaper to run and install than standard pressurised systems
- Dry air evaporative pre-cooling
- Reduced power load and consumption
- EC exhaust fan
- Stainless steel heat exchanger
- Natural gas fired
- Refrigerated coil
- Filtered air inlet
- 1,200 to 11,000 L/s airflow

Standard sizes: IDC 26, 35, 40 and 60.

Modular combinations of the standard units can be made to create an IDC 70, 80 or 100.

## COMPONENTS

- Evaporative air conditioning
- Enthalpy exchanger
- Refrigerated coil
- Gas fired heater

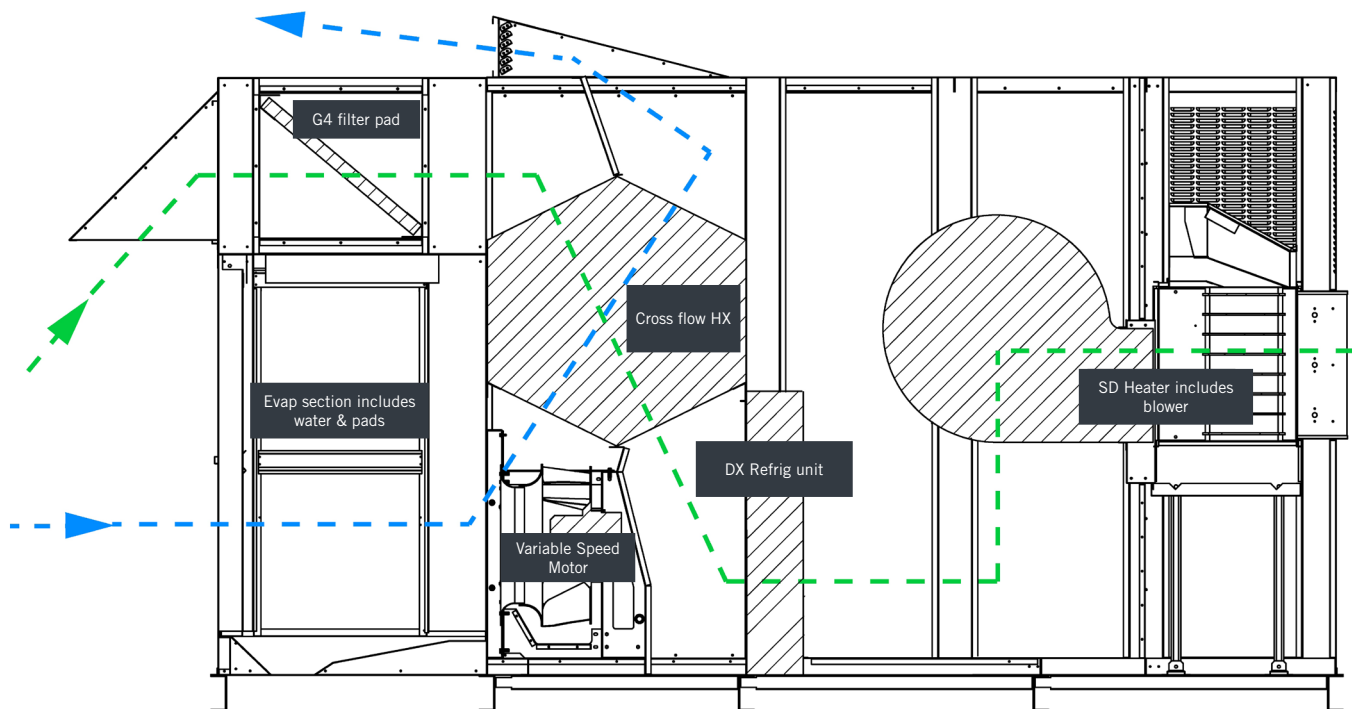
## Heating, cooling and energy recovery systems

### HOW INDIRECT WORKS

An indirect cooling component provides cool air via evaporation without increasing the humidity of the supply air flowing into the building.

Basic operation of this unit involves two airstreams into system

- **Airstream one** enters via the evaporative cooler which precools the air by up to 12°C – depending on relative humidity.
- This airstream then passes over an enthalpy exchanger in section two of the unit then vents to the atmosphere.



- **Airstream two** enters through filters and the enthalpy exchanger, picking up the sensible cooling load from airstream one.
- This air then passes over the refrigerated coil which is activated if additional cooling is required, then across the heat exchanger (heating section) which provides heating when required.
- Air is then supplied into the building as a tempered supply air stream.