

Ecoline

Solar Thermal Air Conditioning

World's Most Energy Efficient
Air Conditioning System

Therm - Aire

Solar Thermal Hybrid AC



Residential

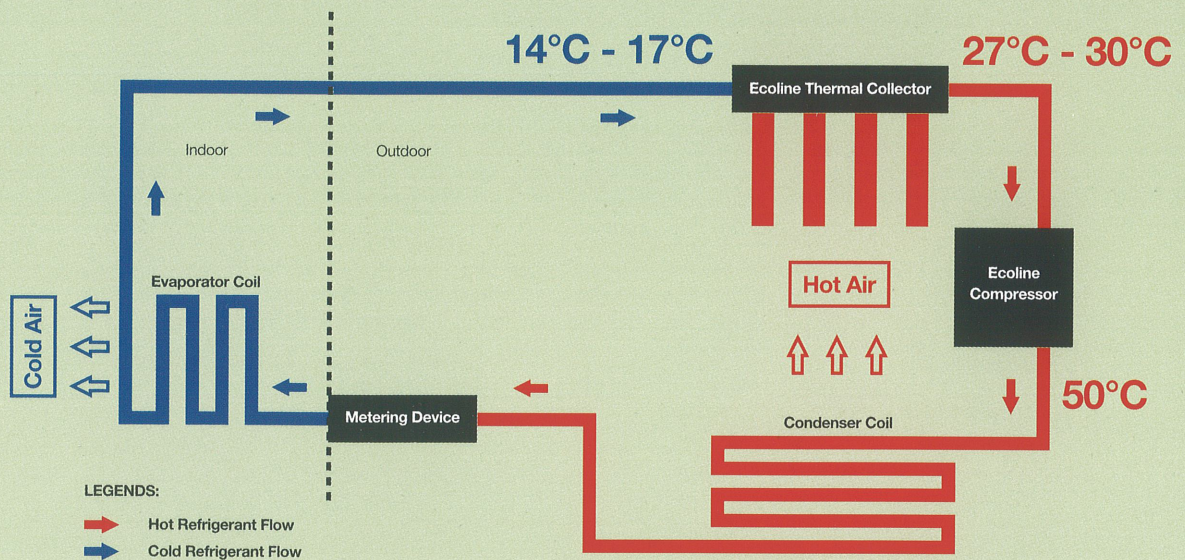


Commercial



Industrial

Solar Thermal Technology



Our solar collector harnesses solar and ambient heat to assist in the super-heating of the refrigerant acting as an additional compressor, thereby substantially reducing the load of the electric compressor.



Our Product

- ✓ 40% Energy Saving
- ✓ ROI < 2yrs
- ✓ Versatile Installation
- ✓ SGBC Certified Green Product
- ✓ BCA Green Mark for Energy Saving



Environment Friendly

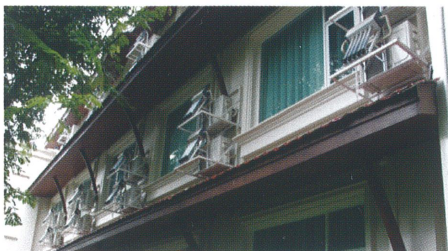
- ✓ Harness FREE Solar Heat
- ✓ Ozone-friendly Refrigerant (407c)
- ✓ Long Life Span
- ✓ Lower Heat Rejection
- ✓ Reduced Carbon Emission

Energy Efficiency Comparison (Kwh)

Results obtained over 5 days

	Other Brand	Therm-Aire	Energy Saved (%)
BCA A	62.0	38.9	➡ 37.3
NCS	396.8	260.7	➡ 34.4

Our Installations



Nanyang Technological University Hall of Residence 4



GREEN MARK AWARD FOR BUILDINGS PLATINUM

Estimate energy savings : 105,801.91kWh/yr

- Use of solar thermal air-con with **COP higher than 6**
- LED lighting for common area with motion and photo sensor controls
- Common area such as corridors, staircases and lobbies are naturally ventilated
- Use of non-potable water for irrigation
- Use of sustainable products for renovation works
- Key card control of air-con units in student rooms



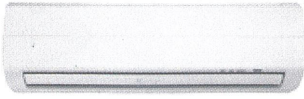
Building Owner: Nanyang Technological University
Facility Management: Nanyang Technological University
ESD/Green Consultant: GreenA Consultants Pte Ltd

Installations in various countries and across industries since 2007 includes the following:

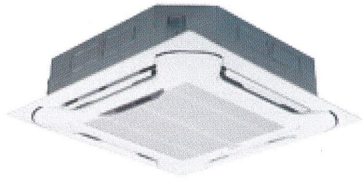
- United Nations Hospital in Khartoum, Sudan
- Nestle Philippines Inc, Philippines
- Tegael Telecommunications, Portugal
- Resort Villa in Desroches Island, Seychelles
- Dawei Hotel, Myanmar
- Jollibee Outlets, Philippines
- Seattle Best Coffee, Philippines
- Kenny Rogers Restaurant
- Mt. Alvernia Hospital
- NCS, (Member of Singtel Group)
- Nanyang Technological University
- ASM Pacific Technology
- Highway International Pte Ltd
- Megawatt Engineering
- Chiu Teng Construction Pte Ltd
- Singapore American School

Our Products

Wall-Mounted



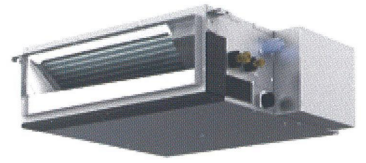
Ceiling Cassette



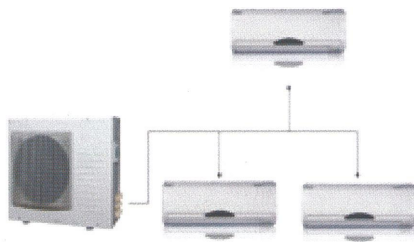
Ceiling Floor



Ducted



Multi-Split



Floor Standing



VRF



✓ WORKS WITH OR WITHOUT DIRECT SUNLIGHT

✓ RETURN ON INVESTMENT ROI BELOW 2 YEARS

✓ COEFFICIENT OF PERFORMANCE COP > 5

✓ COOLING WITH RENEWABLE HEAT

✓ SGBC GREEN PRODUCT, BCA GREEN MARKS

