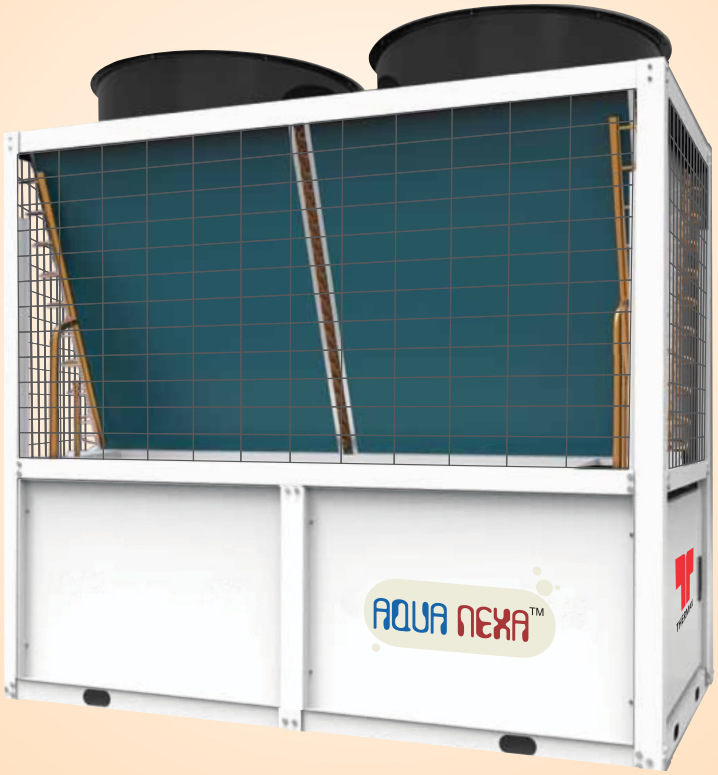
THERMAX

AQUANEXA™

A plug & Play Hot Water Generator



Heating Business

Improving your business is our business

Thermax is an engineering major providing sustainable solutions in the areas of energy and environment. Spanning over 86 countries, clients make use of Thermax's business-to-business solutions for heating, cooling, power and cogeneration plants; waste heat recovery units; systems for water & wastewater management and air pollution control; performance improving chemicals.

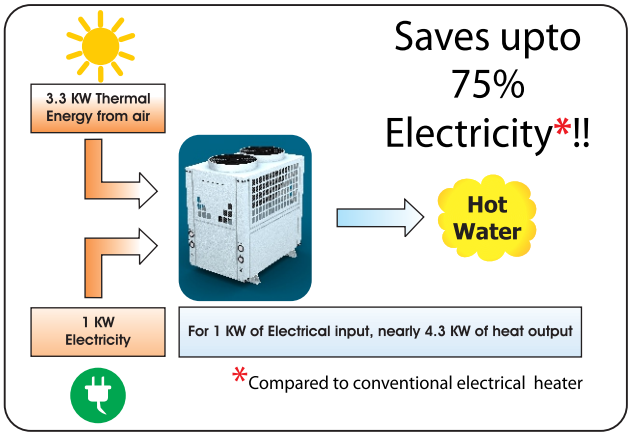
Thermax's operations are supported by ongoing Research & Development, tie-ups with global technology majors, an international sales & service network spread over 27 countries and state-of-the-art manufacturing facilities in 14 locations including India, Indonesia, China, Poland, Denmark and Germany.

As a part of Thermax, Heating business - a strategic business unit offers packaged boilers, thermal oil heaters, waste heat recovery boilers, hot water and air generators. These are available in modular construction as a standard package configuration or a custom design for specific requirements. Innovated by a strong R&D that focuses on customer applications, we offer a range of heating systems designed to combust wide range of solid, oil & gas fuels including biomass and heavy liquid fuels. Heating SBU helps small and medium firms & fortune 500 companies to reduce energy cost with a worldwide presence of oil & gas based systems in Middle East and Europe, biomass and solid fuel fired equipment in South East Asia and Africa.

Continuing the legacy of product innovation Thermax is now introducing next generation water heating solution AquaNexa. It works on principle of extracting the heat from ambient air and transferring it to water for hot water generation.

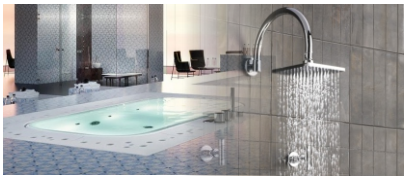
AquaNexa ensures minimum space requirement, man less operation and low running cost. It has pollution free and low noise operation. It is the ultimate solution for all your hot water requirements for bathing, kitchen, laundry , spa and many more.

It generates hot water by extracting upto 3.3kW heat from ambient air for one 1 kW electrical input. Thus, generating upto 4.3kW hot water.



Salient Features

- High COP - Low running cost
- Compact structure - Minimum foot print
- Plug and play unit
- High efficiency heat exchanger
- Corrosion free operation & longer life
- Smart controller - Man less operation
- Low noise operation
- Pollution free operation
- Safe and reliable
- All weather round-o-clock operation



Technical Specifications

Name	ANX - 09	ANX - 19	ANX - 35	ANX - 50	ANX - 75
Heating Capacity (kW)	9	19	35	50	75
Rated Hot water output temp	55°C				
Maximum Hot water output temp	60°C				
Power Supply	220V, 50 Hz, 1 Phase	400V, 50 Hz, 3 Phase			
Rated Input Power(kW)	2.26	4.37	8.1	11.57	17.2
Max Input Power(kW)	3.11	5.38	9.96	14.23	21.16
COP	4	4.35	4.33	4.32	4.36
Refrigerent	R410A	R410A	R410A	R410A	R410A
Rated Hot water output (ltr/hr)	193.5	410	750	1075	1610
No. of Compressors	1	1	2	2	2
Circulating Water flow (m3/hr)	-	3.3	6	8.6	12.9
Pipe Size	DN 25	DN 25	DN 32	DN 32	DN 50
Noise dB A	⩽ 55	⩽ 63	⩽ 65	⩽ 68	⩽ 70
Dimension					
Length (mm)	910	820	1000	1000	2050
Width (mm)	415	695	1000	1000	1000
Height (mm)	840	1060	1858	1858	1900
Net Wt (Kg)	64	160	310	400	605
Rated conditions	Application side initial water temperature: 15°C, final temperature 55°C, max temp 60°C Ambient temperature: dry bulb 20°C, wet bulb 15°C				
Ambient Temperature Range	-7 to 43°C				

THERMAX
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Thermax Business Portfolio

- Heating
- Cooling
- Power
- Air Pollution Control
- Chemicals
- Water and Wastewater Solutions
- Solar
- Specialised Services