windmason
BREATHE THE FINEST

Windmason Arabia

PRODUCTS

Catalogue

HVAC & Power Solutions

Driving Innovation, Delivering Efficiency, Shaping a Greener World

Application

Industry | Office | Warehouse | Hospital | School | Hotel | Home | Mosque

Leading Air Conditioning Specialist

Windmason Arabia specializes in delivering complete HVAC solutions across the Kingdom , covering everything from system design and load estimation to installation and commissioning.

Proudly rooted in Saudi Arabia, our Riyadh facility manufactures high-performance, energy-efficient cooling units, ducting accessories, and advanced HVAC equipment tailored for local needs.

Driven by professionalism, every project is executed with precision, reliability, and efficiency. Comprehensive after-sales service and maintenance support further guarantee long-term performance and customer satisfaction.

Our Services

Manufacturing
20+ energy-efficient HVAC products, including IDEC Supercool units, chillers, and AHUs—built for Middle Eastern climates.

Consulting
Turnkey HVAC & MEP consulting from concept to compliance, supporting Vision 2030 sustainability goals.

Contracting
End-to-end HVAC & MEP contracting, from design to commissioning, meeting global standards for reliability.

Maintenance
Preventive and predictive programs to reduce downtime, optimize performance, and extend system life.

TAB Services
Certified testing, adjusting, and balancing to fine-tune systems for safety, compliance, and efficiency.

MEP Services
Integrated mechanical, electrical, and plumbing solutions for smart, sustainable buildings.

Our Goals

We combine experience, innovation, and sustainability to deliver reliable HVAC solutions aligned with Vision 2030 and client success.

- Energy Saving – IDEC systems cut power use by up to 85%.
- Eco-Friendly – Natural cooling avoids harmful gases and improves IAQ.
- Optimal Hygiene – Advanced filtration ensures clean, safe air.
- Healthy Ventilation – 100% fresh, filtered air with global compliance.
- Carbon Footprints – Reduces emissions and urban heat by 85%.
- Fresh Air – Continuous circulation removes pollutants and enhances comfort.

Caring for You & the Environment

WINDMASON products provide eco-friendly air conditioning and refrigeration with up to 85% energy savings. Our R&D team ensures continuous innovation, giving customers safe, cost-effective, and high-quality cooling that also protects the environment.

Delivering the Finest

Our sales and engineering teams are committed to providing top-quality solutions and post-implementation services. By combining innovation with social responsibility, Windmason ensures every project contributes to a smarter, greener, and more sustainable future.

HVAC PRODUCTS

01

2-Stage Evaporative IDEC Cooler

02

3-Stage Hybrid Evaporative IDEC Cooler

03

Water saver - 2 stage evaporative cooler

04

Industrial Desert Cooler

05

Smart 2 stage evaporative cooler for homes

06

AHU (Air Handling Units)

07

FCU (Fan Coil Units)

08

Ecology Units

09

MCC & Automation Control Panels

10

FAHU (Fresh Air Handling Units)

11

Hanger Cooling Solutions

12

Water Chiller Units

HVAC PRODUCTS

13

Cold Room Equipment

14

Heat Exchange Coils

15

Portable Evaporative Cooler

16

Exhaust & Supply Fans

17

Packaged A/C Units

18

Air Heating Elements
& Duct Heaters

19

Cooling Tower Units

20

DX Portable A/C Units

21

BMS System

23

Eco - Edge AI

Artificial Intelligent (AI)
HVAC Automation system

HVAC Products

2-Stage Evaporative IDEC Cooler

SUPERCOOL

- Keeps the air supply temperature between 14°C to 16°C in dry weather conditions like in Madinah, Al-Kharj, Al-Qassim, and Riyadh.
- Achieves high evaporative efficiency, up to 120% wet bulb achievement.
- Ideal for cooling large areas like warehouses and factories.
- Can replace traditional package A/C units.
- Saves more than 80% of power compared to the same DX cooling system.
- Features thermostatic control and inverter variable speed function.
- AHU body with a sandwich panel, fibreglass internal layer, and a water tank.
- Equipped with a blow-through direct-drive backward centrifugal fan. Equipped with a washable dust filter and programmable auto drain.
- Dry running protection with indicator display.
- 100% fresh air cooling.

3-Stage Hybrid Evaporative IDEC Cooler

SUPERCOOL

- Optimized 2-stage IDEC unit with a 3rd cooling stage to tackle high humidity conditions.
- Offers a third stage of DX system or air-to-air heat exchanger as per client options.
- Achieves high evaporative efficiency, up to 130% wet bulb achievement.
- Maintains a supply air temperature of 17-18°C in semi-humid weather condi tions.
- Features thermostatic inverter variable speed functions.
- AHU body with a sandwich panel, fiberglass internal layer, and a water tank.
- Equipped with a blow-through direct-drive backward centrifugal fan, washable dust filters, and programmable auto drain.
- Provides Dry run protection with an indicator display.

Water saver - 2 stage evaporative cooler

ECOLATER

- Specially designed to reduce water consumption by up to 50%.
- Achieves high evaporative efficiency, up to 100% wet bulb achievement.
- Offers lower humidity and better cooling compared to regular desert coolers.
- Features washable dust filters and thermostatic inverter variable speed functions.
- Dry running protection with indicator display.
- Ensures 100% fresh air cooling.

HVAC Products

INDUSTRIAL EVAPORATIVE COOLER

DESERT MASTER

- Doubles the life of cooling pads.
- Lower chance of cooling pads clogging, ensuring continuous cooling.
- Reduces salt formation.
- Features a fiberglass internal layer and a water tank.
- Includes dry running protection for the water pump.

2-STAGE EVAPORATIVE COOLER FOR HOUSES

SMARTCOOL

- Offers optimal evaporative cooling performance with wet bulb achievement up to 100%. Includes a heat recovery system for winter ventilation, saving energy.
- Equipped with a long-life, direct-drive fan without a belt, suitable for dry air.
- Features an air filter for prolonged cooling pad life.
- Variable speed and inverter smart controller for efficient operation.
- Ensures less water consumption and lower humidity.
- Smart thermostatic controller
- UV Light for disinfecting the air, Lower humidity

AHU, FAHU (AIR HANDLING UNITS)

CHILLED WATER

- Features a 50mm double skin body panel with an aluminum profile reinforced frame.
- Sturdy, heavy-gauge coated base frame.
- Equipped with vibration isolators for fan blowers.
- Customized, modular design to meet specific application requirements.
- Embedded control panel providing unit safety and user control with WiFi/BMS connectivity.
- Coated condensate drain pan.
- Includes pre-filters and fine filter sections as per design requirements.
- Can incorporate chilled water control valves and sensors as needed.
- Offers cooling, heating, and humidification sections.
- Options for microcontroller, PLC, HMI, and heat recovery sections.
- Choice between direct drive or belt drive.

HVAC Products

ECOLOGY UNITS (ELECTROSTATIC FILTERS)

ECOLOGY UNITS

- Designed for kitchen exhaust with electrostatic filters suitable for hospitals and restaurants.
- Available in standard and customized capacities.
- High-voltage solid particle arresting capability.
- Optional carbon filters for enhanced filtration.
- Offers both auto-clean and manual-clean options.
- Available with and without fan options.

MCC & AUTOMATION CONTROL PANELS

- Offer Variable Speed Drives (VFDs) & MCC Panels.
- Designed for AHU, Pump set, and other HVAC system sequence & operation panels.
- Provides PLC and HMI programmable controller solutions.
- Competitive prices and an economical solution with a constant pressure pump set.
- Uses US-EU origin parts with local warranty and after-sales services.
- Includes BMS interface control panels and HVAC and Building Automation solutions.
- IoT (Internet of Things) and microcontroller solutions

CHILLED WATER

FCU (FAN COIL UNITS)

- Equipped with a direct-drive, long-life fan featuring a backward curve aluminum impeller.
- Comes with an intelligent controller, inverter, variable-speed temperature controller, and a smart touch screen thermostat.
- Offers WiFi and BMS connectivity interface for convenience.
- Features a low-noise easy access fan and a coated condensate drain pan.
- Includes 3-4 row heat-exchanger coils and embedded chilled water control valves.
- Auto chilled water balancing functions are part of its capabilities.
- All required valves are built-in, ready to connect to chilled water networks.
- Provides both hot and cool options with an electric PTC heater.
- Available in concealed ceiling type, cassette type, wall-mounted, and floor-mounted types.

HVAC Products

DX FRESH AIR UNITS

FAHU

- Suitable for areas requiring 100% fresh air.
- Features DX cooling with an air-cooled condenser.
- Includes a control panel for easy operation.
- Available in both split-type and package-type units.
- Capacities range from 5 RT to 100 RT, catering to airflow needs from 1500 to 30000 cfm.

HANGER COOLING SOLUTIONS

- Custom-designed cooling solutions for factories and warehouses, including both duct and ductless air conditioning units.
- Easy to move, install, and maintain.
- Doesn't require a heavy base frame.
- Features lightweight condenser and evaporator units

WATER CHILLER UNITS

- Water chiller units designed for both air conditioning and industrial processes.
- Available with scroll, screw, and semi-hermetic compressors.
- Equipped with microcontrollers and network connectivity. Available in both air-cooled and water-cooled types.

COLD ROOM EQUIPMENT

- Includes air-cooled and water-cooled condensers and evaporators.
- Available in standard and customized capacities.
- Offers various compressors suitable for different room temperatures. Comes with microcontrollers and network connectivity options.

HVAC Products

HEAT EXCHANGE COILS

- Includes water-to-water SS and aluminum heat exchangers.
- Features air-to-water fins and tube heat exchangers.
- Offers shell and tube heat exchangers, oil coolers, and compressed air cooling solutions.
- Includes air-to-air heat exchangers for heat recovery systems.

PORTABLE EVAPORATIVE AIR COOLERS

PORTABLE COOLER

- Features a powder-coated metal fan blade with a waterproof sealed motor.
- Portable and movable with wheels, providing an economical cooling solution.
- Ideal for workshops, factories, warehouses, and open areas, with low-cost maintenance. Competitively priced with capacities ranging from 0.5HP to 2HP, 3000 to 14000 cfm.
- Optional variable speed fan for added flexibility.

EXHAUST & SUPPLY FAN

- Roof-mounted, inline, tube axial, axial, and centrifugal type fans available.
- Features high static and heavy-gauge construction for durability.
- Long-lasting body ensures a reliable performance.
- Equipped with a backward curve heavy-gauge powder-coated centrifugal impeller.
- Supply fan includes pre-filters and bag filters with capacities ranging from 200 to 30,000 cfm.

HVAC Products

AIR HEATING ELEMENTS & DUCT HEATERS

- Offers Variable Speed Drive (VFD) & MCC Panel.
- Designed for AHU, Pump set, and other HVAC system sequence & operation panels.
- Provides PLC and HMI programmable controller solutions.
- Competitive prices and an economical solution with a constant pressure pump set. Uses US-EU origin parts with local warranty and after-sales services.
- Includes BMS interface control panels and HVAC and Building Automation solutions.
- IoT (Internet of Things) controller solutions and Micro controller Solutions

PACKAGED AIR CONDITIONING UNITS

- Comprises high-quality parts for reliable performance.
- Features a microcontroller touch screen thermostat.
- Offers both multi-stage and single-stage options.
- Includes network connectivity for enhanced control.
- Provides power-saving and data logger options.
- Allows remote WiFi control for convenience.
- Available in both inverter and non-inverter solutions.
- Capable of both cooling and heating.
- Comes in standard and customized capacities.

COOLING TOWER UNITS

- Offers both open loop and closed loop cooling towers.
- Sturdy construction with metal-reinforced body panels and a water tank featuring a fiberglass inner layer.
- Includes a backward centrifugal aluminum impeller direct drive fan.
- Features a dry running fan for prolonged use.
- Structures can be site-assembled or factory-assembled, with a modular design for larger capacities.
- Low maintenance for cooling media fills due to an external protective layer.
- Air filter added for clean water and air, ensuring internal parts stay clean.
- Dry air cooling units with a high-efficiency axial fan.

HVAC Products

DX PORTABLE A/C UNITS

- High-performance air-cooled unit with cooling capacities of 6.25 TR, 12.5 TR, and 25 TR, using eco-friendly R410A refrigerant.
- Equipped with Copeland scroll compressors, efficient axial and centrifugal fans, and optimized Alu fins with Cu tubes for durability and efficiency.
- Compact design with low sound rating (70 dB), robust motor capacity, and suitable for extreme conditions up to 45°C ambient temperature.

ECO – EDGE AI ARTIFICIAL INTELLIGENT (AI) HVAC AUTOMATION SYSTEM

What is EcoEdge AI?

- EcoEdge AI is a compact, AI-powered device that intelligently automates HVAC systems using real-time data and predictive control.
- Unlike traditional systems, it anticipates future demands for optimal efficiency and comfort without manual input.
- Its Model Predictive Control (MPC) technology minimizes energy waste and equipment wear.
- Perfectly aligned with Saudi Vision 2030, EcoEdge AI drives sustainability through smarter energy use.

HVAC Optimisation

- Monitoring zone-level conditions
- Adjusting valve positions, fan speeds, and cooling loads
- Provides real-time system monitoring and data analytics
- Reduces HVAC energy consumption by up to 30% zone-level conditions
- Predicting future demands using AI-based Model Predictive Control (MPC)
- Detecting anomalies such as overcooling, stuck valves, or energy leakage
- Cuts carbon emissions and qualifies buildings for green certifications
- Preventing faults before they happen and ensure balanced thermal comfort without excessive energy use.

End-to-End HVAC Services

Quality, Affordability & Sustainability

Competitive Quality & Pricing

We offer HVAC products and services at competitive prices while maintaining the highest standards of quality.

Customized Client Solutions

Our products are tailored to meet specific client and project requirements, ensuring the perfect fit for every application.

End-to-End Project Delivery

From project studies to on-site delivery, we provide complete solutions directly to your doorstep.

Promoting Saudi Innovation

We take pride in supporting Saudi national products and technologies, contributing to local industry growth and Vision 2030 goals.

Energy-Saving Building Studies

Our experts conduct detailed studies on building power consumption and deliver innovative solutions to maximize energy efficiency.

Potential Clients

Al Tazaj Restaurant	Al Romansiah	Best Harvest Trading Co	LSC
Gulf Catering Co	Al Romansiah	Imile Logistic	Multi Brands Trading
RAQAM Company	ADEX Company	IHCC	Al-Watania Plastic
Al-Babain Food	Sahara Mall	Al Jabar Laundry	Al Yasra Fashion
Al rashed Food Group	Dar Al Uloom University	White Crystal For Filling	Packing Product Co.
Awarid Cosmetics Co.	National Water Company	First Class Aviation	Saudi Eraad Defense
Jarir Book Store	Al Karama Food Co	Creation Source Trading	Continental Hotel Riyadh

Potential Clients

Riyadh Hospital	BRODAN Medical Co.	Medical Element Co.	Advance Medical Co.
PANDA Hyper Market	NESTO Hyper Market	OTHAIM Hyper Market	Al Adil Est. Market.
Arak Plastic Co.	Al Sharq Plastic Co.	Delta Plastic Co.	Fitnesen Time Pro.
Pakistan Inter. School.	Riyadh Najed School	KAYAN Tec. Contr. Co.	Mas Adea Co.
Al Hadaf Serv. Co LTD.	Art Decor Co	Camel Step Company	Nar Al -Shawaya Rest.
Methaq contracting Co.	Le Premier Architects	Deemah Food Co.	Al Saeed Indu. Group
Ceer Motors	Hadiyah	iWebGrocer	Hotpack

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