

Global Evaporative Cooling Market Size study & Forecast, by Type of Cooling (Direct Evaporative Cooling, Indirect Evaporative Cooling, Two-stage Evaporative Cooling) by Application (Residential Applications, Commercial Applications, Industrial Applications, Confinement Farming, Other Applications), by Distribution Channel (Big-box Retailers, HVAC Contractors and Distributors, Other Distribution Channels) and Regional Analysis, 2023-2030

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Abstracts

Global Evaporative Cooling Market is valued at approximately USD 7.53 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 7.35% over the forecast period 2023-2030. Evaporative cooling is a natural process that involves reducing the temperature of an object or an environment by utilizing the principle of evaporation. When a liquid evaporates, it absorbs heat from its surroundings, resulting in a decrease in temperature. Evaporative cooling is a natural and energy-efficient method for cooling, particularly in regions with dry climates. It is often considered an environmentally friendly alternative to traditional air conditioning systems, as it consumes less electricity and relies on the natural process of evaporation. The Evaporative Cooling market is expanding because of factors such as increasing government moves promote energy-efficient technologies and intensified adoption of home cooling appliances.

Evaporative cooling is a process that uses the natural evaporation of water to lower the

temperature of an environment. It is an energy-efficient alternative to traditional air conditioning systems, which consume significant amounts of electricity. Governments across the globe is promoting the adoption of energy efficient technologies in the region. The India Cooling Action Plan (ICAP)³ was introduced by the Indian government in 2019 to offer a 20-year perspective on the changing cooling demand and many short- and long-term proposals to ensure sustainable cooling. Similarly, The project 'Energy Efficient Cooling - EE-Cool' has also been launched under the Indo-German Energy Programme (IGEN) to carry out the India Cooling Action Plan (ICAP) with regards to energy-efficient central cooling, per an implementation agreement signed on November 1, 2019, between the Bureau of Energy Efficiency (BEE) and Deutsche Gesellschaft f?r Internationale Zusammenarbeit (GIZ) GmbH, which is funded by the International Climate Initiative (IKI) of the GoI. Thus, rising government moves to promote the adoption of energy-efficient technologies are driving the market growth. In addition, rising demand for cost-effective cooling solutions and increasing use of evaporative cooling in data centers is creating lucrative growth in the market. However, Dependency of evaporative cooling on external climate stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Evaporative Cooling Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. Asia Pacific dominated the market in 2022 owing to factors such as rising demand and adoption of air conditioners, rising development of data centers, and rising adoption of evaporative cooling techniques by the market players in the region. Whereas North America is expected to witness strong growth in market over the forecast period owing to factors such as rising development of commercial infrastructure, The rise government moves for sustainable energy management and increase in adoption of evaporating cooling systems in the region.

Major market player included in this report are:

Delta Cooling Towers Inc.

Condair Group AG

SPX Cooling Technologies

Baltimore Aircoil Company Inc.

Munters Group AB

Colt Group Limited

Phoenix Manufacturing Inc.

Celsius Design Limited

ENEXIO Water Technologies GmbH

CFW Evapcool

Recent Developments in the Market:

In May 2021, Condair unveiled a cutting-edge direct evaporative cooling system for data centres that has the advantage of humidifying and cooling the airstream without adding thermal energy (heat). This method delivers liquid water into the air stream and uses heat from the air to turn the liquid into vapour.

In February 2021, Munters Group AB and CTT Systems AB, a key player in the aircraft humidity management systems industry, engaged into a partnership agreement in order to develop a new kind of evaporative media that would improve the efficiency and performance of CTT Systems AB's aviation humidifiers.

Global Evaporative Cooling Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Type of Cooling, Application, Distribution Channel, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle

East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type of Cooling:

Direct Evaporative Cooling

Indirect Evaporative Cooling

Two-stage Evaporative Cooling

By Application:

Residential Applications

Commercial Applications

Industrial Applications

Confinement Farming

Other Applications

By Distribution Channel:

Big-box Retailers

HVAC Contractors and Distributors

Other Distribution Channels

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

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Rest of Middle East & Africa

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