

A JOURNEY OF COMFORT

1824
Michael Faraday's discoveries laid the groundwork for the absorption type of refrigeration, elucidating its fundamental principles

1824

1834

Jacob Perkins' invention of the first artificial ice manufacturing machine laid the foundation for modern compression systems



1902
Willis Carrier invented the first air conditioner to regulate the temperature and humidity of a printing company, marking the inaugural effort to control environmental temperature. This milestone marks the inception of air conditioning history

1902

1903

The first office system in the New York Stock Exchange, designed by Alfred R. Wolff, featured three powerful ammonia-absorption machines. Wolff later became New York City's top air conditioning engineer

1911

Carrier introduced his Rational Psychometric Formulae, which serves as the foundational science behind modern air conditioning technology

1914

The Charles Gates mansion in Minneapolis, Minnesota, was the site of the inaugural residential implementation of air conditioning



1915

The inaugural offices of Carrier Engineering Corporation were established in New York, Chicago, Philadelphia, Boston, and Buffalo



1928

The Milam Building in San Antonio, Texas, pioneered the installation of Carrier central air conditioning, becoming the first skyscraper to feature comfort cooling from its inception



1930

The White House was air-conditioned



1931

The M.V. Victoria, a 13,400-ton Italian motorship bound for travel between Italy and Egypt, made history as the first vessel to embark on its maiden voyage with Carrier air conditioning onboard



1931

H.H. Schultz and J.Q. Sherman developed the inaugural window unit air conditioner, albeit at a notably high cost

1946

San Antonio, Texas, proudly boasts the title of "the World's First Air-Conditioned City Bus"



1953

1953- The sale of over 1 million room air conditioners marked another significant milestone in the history of air conditioning



1957

The development of the first rotary compressor revolutionized air conditioning units, making them smaller and more efficient than the reciprocating type

1977

Heat pumps offer dual functionality developed, enabling both cooling and heating cycles with a single machine

1987

The Montreal Protocol, signed in Montreal, Canada, aims to protect the Earth's ozone layer. It fosters international cooperation to phase out ozone-depleting substances, such as chlorofluorocarbon (CFC) refrigerants used in HVAC equipment

1990

Semiconductor technology's widespread availability has facilitated the integration of microprocessor control systems across all aspects of refrigeration and air conditioning

1998

Willis Carrier was recognized as one of Time magazine's "100 Most Influential People of the Century."



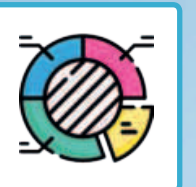
BANGLADESH AC INDUSTRY AT A GLANCE



Expected Revenue in 2024:

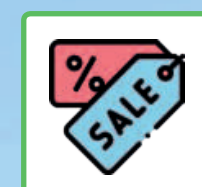
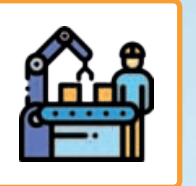
US\$93.26 million.

Market Size: Tk 5,000 crore.

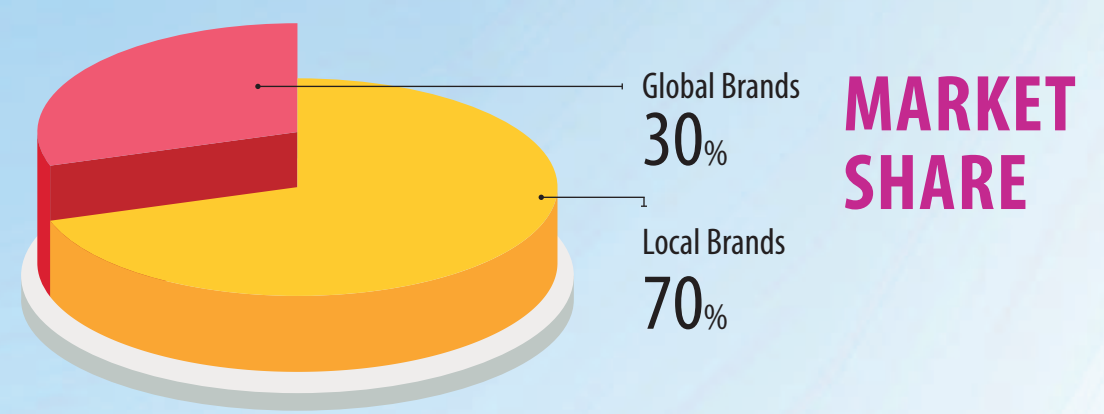


Growth Rate: 10 percent.

Annual Production:
400,000-500,000 units.



Annual Sales:
600,000 units



SOURCE: STATISTICAL YEARBOOK BANGLADESH 2022

	2018-19	2019-20	2020-21	2021-22
Import of Air conditioning machines (Core BDT)	884.5	1,121	939.7	1,270.5
Export of Air conditioning machines (BDT)	7.9	3.3	5.4	7.6

% of Households owning an AC



SOURCE: BANGLADESH BUREAU OF STATISTICS