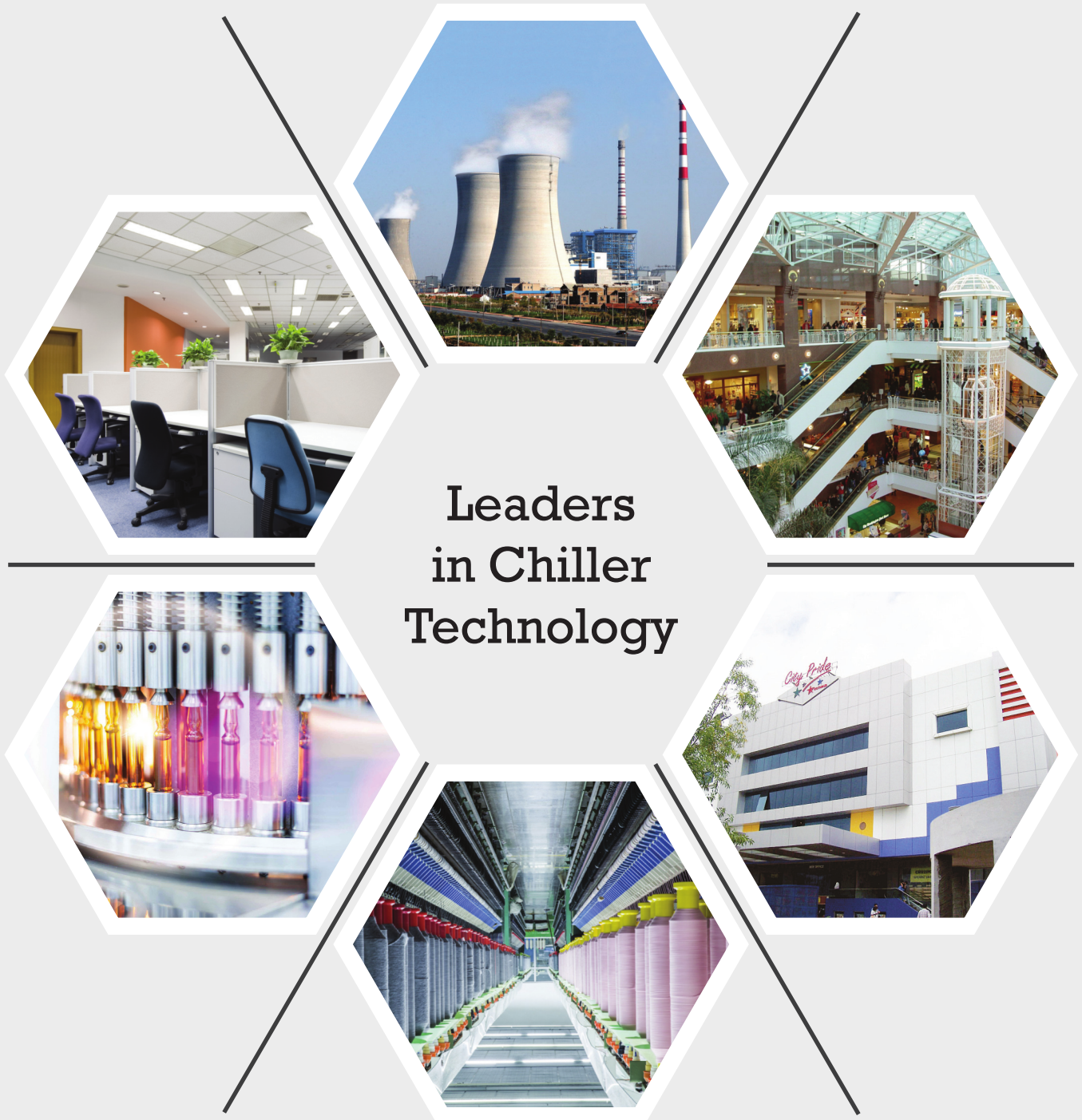


Enriching Lives

# Efficient & Eco-friendly Cooling Solutions



**KIRLOSKAR CHILLERS PRIVATE LIMITED**  
A Kirloskar Group Company

# Backed by 130 Years of Engineering Innovation

Kirloskar Chillers is proud to be a part of the Kirloskar Group, a well-known brand in India and abroad. This diversified engineering conglomerate gave India its first iron plough, water pump, electric motor, compressor and diesel engine. Synonymous with world-class engineered products, the Group has 130 years of Industrial expertise, playing a pivotal role in India's economic growth.

Today, the Kirloskar Group is a US\$ 1.5 Bn. Conglomerate, offering Diesel Engines, Generator Sets, Pumps, Hydraulic Turbines, Air & Gas Compressors, Industrial & Process Refrigeration Systems, Chillers and turnkey project solutions in India and 70 countries across the globe.

Since 1996, Kirloskar Chillers has been introducing innovative products for comfort cooling, process cooling & heating, with a commitment to achieving customer delight in every aspect of its business.

The only manufacturer to offer both Centrifugal and Screw Chillers in India, Kirloskar Chillers leads the industry in energy efficiency, complying with or exceeding the prevailing norms. The 1st chiller manufacturer in India to offer AHRI-certified products as well as establish an AHRI-certified test facility, Kirloskar Chillers continues to offer its customers superlative product quality, flexibility and prompt & competent service, making it the 'Preferred Chiller Supplier' to our esteemed customers.

## Conforming to Global Standards

At Kirloskar Chillers, we are strongly committed to offering products that bring our customers the best in terms of quality and performance. We firmly believe that customer satisfaction is the purpose of our business, and in pursuit of this objective, we have garnered several accreditations that bring peace of mind to our customers.

In 2004, we became the 1st chiller manufacturer in India to acquire AHRI certification for our Water Cooled Centrifugal and Screw Chiller ranges. In 2008, we were the first to establish an AHRI-certified test facility. For our customers, these certifications guarantee adherence to specified performance.

A Founder Member of the Indian Green Building Council, our products comply with the norms for LEED-certified Green Buildings.

Continuing our commitment to building products to global standards, we obtained the CE mark for our water cooled chillers, mandatory for exporting to Europe and other overseas markets.

## Facilities & Network – India & Overseas




A Head Office and manufacturing facility at Pune, India, we have several Regional and Branch offices across India, offering prompt and competent spares supplies & service support to our customers across the country.

With an increasing population of chillers in Europe, South East Asia, Africa & the Middle East, we have sales & service representation in each of these regions to serve the needs of these geographical regions.

## Trusted by Many – Across the Globe

With more than **3,000 chillers** in the field, both in India and overseas with a combined capacity in excess of **500,000 TR**, Kirloskar Chillers is the trusted partner to thousands of satisfied customers in the segments of infrastructure (airports, thermal power, nuclear power, atomic energy & space research), commercial applications (hotels, hospitals, retail, IT and office buildings) and industrial segments (pharmaceutical, textile, automobiles, chemical, FMCG, etc).

# COMPREHENSIVE SOLUTIONS FOR YOUR AIR CONDITIONING, PROCESS COOLING & HEATING NEEDS

Product	Series	Capacity	Refrigerant
Centrifugal Chillers (with Magnetic Bearing Compressor)		95 to 1200 TR	HFC 134a & HFO 1234ze
Centrifugal Chillers (Conventional)		200 to 2400 TR	HFC 134a
Water Cooled and Air Cooled Screw Chillers (with and without VFD)		45 to 560 TR	HFC 134a, HFC 407C & HFO 1234ze



## Water Cooled Centrifugal Chillers with Magnetic Bearing Compressors

### Features & Benefits:

- Outstanding energy efficiency, superlative part load performance
  - Frictionless, oil-free operation
  - Soft start: starting current < 2 Amps
  - Exceptionally quiet operation
  - Surge line control
  - Performance certified to AHRI 550/590 & AHRI 551/591, witnessed testing optional
- 
- K-Connect - Web Monitoring feature to remotely monitor the health of the chiller as optional feature



**95 to 1200 TR**



## Water Cooled Centrifugal Chillers With HFC 134a refrigerant

### Features & Benefits:

- Outstanding energy efficiency, best in class COP and NPLVs
- High speed gear drive for compact & flexible operation
- Microprocessor controller with 13" LED touch screen user interface
- Step-less capacity control
- Performance certified to AHRI 550/590 & AHRI 551/591, witnessed testing optional
- BMS compatible

### Optional Features

- Voltage range - 400V (LV), 3.3 kV, 6.6 kV (MV) and 11kV (HV)
- Starter options – Star Delta, Soft Starter, VFD for LV & DOL, ATS for HV'
- Heat exchangers tubes MOC options – Cu, SS, CuNi & Ti.
- Marine water boxes for ease of maintenance
- K-Connect - Web Monitoring feature to remotely monitor the health of the chiller



**200 to 2400 TR**



## **PRODIGY®**

### **Water Cooled Screw Chillers**

With HFC 134a, HFC 407C & HFO1234ze refrigerants

### **Air Cooled Screw Chillers**

With HFC 134a & HFC 407C refrigerants

### **Heat Recovery Screw Chillers**

Series KHP: Total Heat Recovery Up to 1000 kW

#### **Features & Benefits:**

- Outstanding energy efficiency, best in class COP and NPLVs
- Microprocessor controller with 7" LED touch screen user interface
- Step-less capacity control
- Suitable for voltages from 380 ~ 460 V LV
- Multiple Starter option – Star Delta, Soft Starter, VFD for LV & DOL, ATS for HV.
- Heat exchanger tubes MOC options – Cu, SS, CuNi & Ti
- Water cooled screw chillers – performance certified to AHRI 550/590 & AHRI 551/591, witnessed testing optional
- BMS compatible

#### **Optional Features**

- Partial & total heat recovery options, reverse cycle heat pumps (air cooled)
- Available for low temp. brine chilling applications (+4 to -10 °C evap. leaving temp.)
- Adiabatic cooling kit for air cooled chillers, suitable for high ambient, dry places
- Chiller Plant Managers for plant automation and optimization – controlling chillers, water pumps, cooling tower fans & motorized valves
- K-Connect - Web Monitoring feature to remotely monitor the health of the chiller



**45 to 560 TR**

## ***Value-Added Solutions from Kirloskar Chillers***

- Upgrade to VFD (Variable Frequency Drive) Starter
- Ball Type Automatic Cleaning System for Chiller Condenser & Evaporator
- Upgrade to latest K-Smart Controller
- Chiller Plant Manager & Optimiser
- Web-based Remote Monitoring of Chillers
- Refrigerant Recovery Units
- De-Superheater Retrofits
- Rental Chillers

## ***Salient Features of Kirloskar Chiller Products & Services***

- No dependence on third party Service Providers or Contractors; all field Service staff are KCPL's own employees.
- Highly trained manpower - competence and quality of service is assured.
- Wide spread service network throughout India and Overseas.
- India's leading Chiller manufacturer with a wide range of energy-efficient and reliable Screw and Centrifugal Chiller products, using state-of-art technology.



# Some of our Esteemed Customers

## Asia Pacific

### Indonesia

- Indorama Synthetics
- Indo Bharat Rayon (Aditya Birla Group)
- PT Elegant (Aditya Birla Group)
- PT Indo Liberty (Aditya Birla Group)

### Philippines

- Lung Center
- GSIS
- Malacanang Presidential Palace
- University of Philippines
- MWSS Project

### Thailand

- Thai Acrylic Fibre (Aditya Birla Group)
- Thai Peroxide
- ROHA Dychem

### Sri Lanka

- Sushen Medicamentos
- Taj Airport Garden
- Unilever
- ACE Healthcare

### Bangladesh

- Globe Drugs
- Kwun Tong Apparels
- GQ Industries

### Others

- OM Agro - Nepal
- Oilex - Nepal
- Alfa Laval - Vietnam

## Europe

- ITER - France
- Continental Tyres - Russia
- Belluno Hospital - Italy
- Palermo Hospital - Italy
- Kadewe Mall - Germany
- Kunsthalle Mannheim Museum - Germany

## Middle East & Africa

### UAE

- Radisson Blu Hotel
- Fibre Plus
- Oasis Grease & Lubricants
- Al Dhafr Union Paper Mill
- Core Chemicals
- Wallet Pharma
- Hazel Project
- Pan Oil

### Saudi Arabia

- Unicare
- Synthomer
- Unicoil
- Tinting Systems

### Nigeria

- Ranbaxy
- Nigeria Chemicals
- Nivea

### Others

- Pyramid Edible Oil - Egypt
- TCI Sanmar - Egypt
- KLJ Organics - Qatar
- Alfa Laval - Iran
- Fenix Process Technologies - Iran
- Noosh Azar Company - Iran
- Tiger Brands - South Africa
- SPO Serene Health Care - Uzbekistan
- Al Mukha Power Station - Yemen
- Medica Pharmaceutical Industries - Yemen
- PharmaLand Pharmaceuticals - Sudan
- Sanam Oils - Mozambique
- Strides Shasun - Mozambique
- Sebacic Oman SAOC - OMAN

## Notable Indian Customers

- Bridgestone India
- Bosch Limited
- Mahindra & Mahindra
- JCB India
- Hyundai Motor India
- Toyota Kirloskar Motor
- Lupin
- Glenmark Generics
- Biocon
- Wockhardt
- Mylan Laboratories
- NTPC
- ISRO
- Reliance Power
- Bhabha Atomic Research Centre
- JBF Industries
- Welspun India
- Garden Silk Mills
- Dicitex Décor
- JW Marriott
- Taj Hotels
- Radisson
- Le Méridien
- Crowne Plaza
- PepsiCo India
- John Deere
- Times of India
- Lodha Experia Mall
- Amanora Town Center
- Inorbit Mall
- WestEnd Mall
- UB City
- World Trade Center
- Lodha Project
- Bengaluru International Exhibition Centre



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## KIRLOSKAR CHILLERS PRIVATE LIMITED

A Kirloskar Group Company

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### Overseas Representatives:

- **UAE** : Kirloskar DMCC, Dubai
- **Egypt** : PTC Contracting and Engineering Services, Cairo
- **Kingdom of Saudi Arabia** : Top Tag Trading Est (3T), Al Khobar
- **Germany** : Ruetgers GmbH, Mannheim
- **Thailand** : E3 Asia, Bangkok
- **Philippines** : Aircode Corporation, Makati
- **South Africa** : Joburg Industrial Trading SA. (Pty) Ltd, Johannesburg
- **Bangladesh** : KEECO Ltd.

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