

EFFICIENT COOLING & HEATING SOLUTIONS

kirloskar
Chillers

140 Years of Engineering Excellence

Kirloskar Chillers, proud to be a part of the 140-years-old Kirloskar Group, is a trusted name in India and overseas for its 'Future Ready' products. The Kirloskar Group is a USD 1.6 Bn conglomerate offering Engines, Generator Sets, Air & Gas Compressors, Industrial & Process Refrigeration Systems, Chillers, and turnkey project solutions to customers in India and 70 countries across the globe.

Since its inception in 1996, Kirloskar Chillers has introduced many innovative products for various applications encompassing comfort cooling, process cooling and heating, delivering on its commitment of achieving customer delight.

Conforming to Global Standards

Kirloskar Chillers was the first Indian chiller manufacturer to offer AHRI certification for its chillers back in 2006. In 2008, we were the first to establish an AHRI Certified test facility. International business is one of our key areas of growth; our various certifications, including IMS, CE/PED, ASME, EAC, and SASO, among others, enable us to serve various international markets. Being a founding member of the Indian Green Building Council (IGBC), we ensure to deliver our commitment towards protecting our Mother Earth.

Our products comply with LEED India / ECBC / ISHRAE efficiency standards and the Government of India - Bureau of Energy Efficiency's Star Labelling Program. Kirloskar Chillers is the only Indian manufacturer to offer chillers using virtually all the presently available compressor technologies, namely Oil-free Magnetic Bearing Centrifugal, conventional Centrifugal, Screw Chillers, Heat Pumps, and Scroll compressors, with the widest range of cooling capacities, from 11 TR to 2600 TR.

Preferred in India & Overseas

Headquartered in and having our manufacturing facility near Pune (INDIA), our regional and branch offices across India ensure pre- and post-sales services that are prompt, seamless, efficient and effective. A wholly owned subsidiary, Kirloskar Chillers Middle East LLP based in Dubai, UAE, serves the MENA region while Kirloskar's own personnel or authorized channel partners provide sales and service support across the Indian subcontinent, Europe, Southeast Asia and Africa.

With more than 5,000 chillers successfully in operation within India and overseas, totaling an installed capacity of over 1,000,000 TR, we serve segments across Government and Infrastructure projects (Airports, Thermal Power, Nuclear Power, Atomic Energy, and Space Research), Commercial applications (Hotels, Hospitals, Retail, IT, Data Centers, and Office Buildings), and Industrial applications (Pharmaceuticals, FMCG, Food, Chemicals, Automobiles, Textiles, and many others).

Comprehensive Solution for your Air Conditioning, Process Cooling & Heating Needs

Product	Series	Capacity	Refrigerant
Centrifugal Chillers (with Magnetic Bearing Compressor)	kirloskar® TURBOLEV	95 to 1200 TR	HFC 134a & HFO 1234ze
Centrifugal Chillers (Conventional)	kirloskar® TURBOTEK	300 to 2500 TR	HFC 134a & HFO 513a
Water Cooled & Air Cooled Screw Chillers (with & without VFD)	kirloskar® PRODIGY	45 to 560 TR	HFC 134a, HFC 407C, & HFO 1234ze
Heat Pumps	kirloskar® PRODIGY	140 to 1600 kW up to 75 deg C	
Scroll Chillers	kirloskar SCROLL	11 to 45 TR	HFC 410a

kirloskar TURBOLEV

Water Cooled Centrifugal Chillers with Magnetic Bearing Compressor

Range: 95 to 1200 TR with HFC 134a and HFO 1234ze refrigerants

Features & Benefits:

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



kirloskar TURBOTEK

Water Cooled Centrifugal Chillers

Range: 300 to 2500 TR with HFC 134a & HFO 513a refrigerants

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 down to 10%
- Performance certified to AHRI 550/590 & AHRI 551/591, witnessed testing optional
- BMS Compatible
- Voltage range 400V (LV), 3.3 kV ~ 6.6 kV (MV), and 11 kV (HV).
- Starter Options - Star Delta, Soft Starter, VFD, DOL, ATS
- Heat exchanger 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



kirloskar®
PRODIGY

Water Cooled Screw Chillers

Range: 45 to 560 TR
with HFC 134a, HFC 407C and HFO 1234ze refrigerants

Air Cooled Screw Chillers

Range: 45 to 550 TR
with HFC 134a, HFC 407C and HFO 1234ze refrigerants

Air Cooled Screw Chillers with Adiabatic Cooling

Range: 40 to 420 TR
with HFC 134a, HFC 407C and HFO 1234ze refrigerants

Features & Benefits:

- Outstanding energy efficiency, best in class COP and NPLVs
- Microprocessor controller with alphanumeric 7" LED touch screen user interface
- Step-less capacity control
- Suitable for voltages from 380 ~ 460 V (LV)
- Multiple Starter options - Star Delta, Soft Start, VFD
- Heat Exchanger tubes MOC Options - Cu, SS, CuNi & Ti
- Performance certified to AHRI 550/590 & AHRI 551/591, witnessed testing optional
- BMS Compatible
- Partial & total heat recovery options, reverse cycle heat pumps (air cooled)
- Available for low temp. brine chilling applications (+4 to -29°C evap. leaving temp.)
- Adiabatic cooling kit for air cooled chillers, suitable for high ambient, dry places
- K-Connect - Web Monitoring feature to remotely monitor the health of chiller







kirloskar®
PRODIGY

Heat Recovery Screw Chillers:

Water-to-Water Heat Pumps

Range: 140 to 1600 kW
with HFC 134a and HFO 1234ze refrigerants
Hot water temperature: Up to 75°C



Feature & Benefits:

- Clean alternative to fossil fuel-fired boilers
- Simultaneous heating and cooling, with chilled water generation being a by-product of the hot water being produced
- Available with DX & Flooded Evaporator designs
- Option of Star Delta Starters & Variable Speed Drives

Air-to-Water Reverse Cycle Heat Pumps

Range: Up to 1400 kW heating capacity
with HFC 134a and HFO 1234ze refrigerants
Hot water temperature: Up to 55°C



Feature & Benefits:

- Clean alternatives to fossil fuel-fired boilers
- Alternately operate in heating and cooling modes using 4-way reversing valves
- Fin & Tube condenser (Operating as evaporator in heating mode)

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SCROLL

Air Cooled Scroll Chillers

Range: 11 to 45 TR
with HFC 410a refrigerants



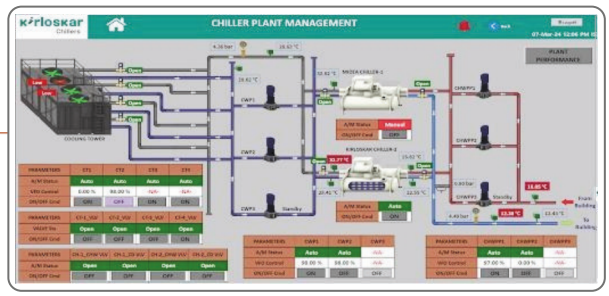
Feature & Benefits:

- Easy and Quick Installation
- Microprocessor-based Control System
- BMS Compatibility
- Highly Energy Efficient & Reliable Scroll Compressors with Built-in Time Delay
- Capacity Modulation
- Modular Construction
- Quiet Operation

Value-added Solutions from Kirloskar Chillers

- Variable Frequency Drive (VFD) Retrofits
- Ball-type Automatic Tube Cleaning Systems for Condenser & Evaporator
- K-Smart Controller Retrofits for old chillers
- Chiller Plant Manager / Optimizer
- Web-based Remote Monitoring of Chillers
- Refrigerant Recovery Units
- De-Superheater Retrofits
- Rental Chillers for temporary cooling needs







Salient Features of Kirloskar Chillers Products and Services

- India's leading chiller manufacturer with a state-of-the-art manufacturing facility near Pune, India with the widest range of energy efficient and reliable Scroll, Screw and Centrifugal Chiller products
- Certifications & accreditations to meet global and local norms
- Prompt availability of spare parts locally
- Highly trained manpower to provide after-sales service support in India & Overseas

Some of our Esteemed Customers

Healthcare

- B M Birla Research Center
- Belluno Hospital, Italy
- Gujarat Cancer Research Institute
- Jalgaon Medical College & Hospital
- Lung Center of the Philippines
- Narayana Cancer Institute
- National Cancer Institute
- Orissa Medical College & Hospital
- Palermo Hospital, Italy
- Ram Manohar Lohia Hospital
- Safdarjung Hospital
- Sankara Nethralaya
- Sardar Vallabhbhai Patel Institute of Medical Sciences & Research
- SRM Hospitals

Hospitality

- Crowne Plaza
- JW Marriott
- Le Meridien
- Radisson Blu
- Sheraton
- Taj Group

IT, ITES & Data Centers

- Ascendas Capital Land
- CtrlS Datacenters
- Lanco Info Systems
- NTT Global Datacenters
- Okaya Blue Silicon Business Park
- Prestige Tech Park
- SLK Software
- Yotta Data Services

Retail

- Amanora Town Center
- Ampa Mall
- Bhat-Bhateni Supermarkets, Nepal
- Future Group
- Glocal Square Mall
- InOrbit Mall
- KaDeWe Mall, Germany
- Lodha Experia Mall
- Nexus Treasure Island Mall
- Nexus Westend Mall
- Nyati Enthral
- Pink Square Mall

Other Customers

- Bengaluru International Exhibition Centre
- Kartarpur Corridor Passenger Terminal
- Lodha Group
- Prestige Group
- RMZ Group
- Sattva Group
- SRM Institute of Science & Technology
- TransStadia
- Vellore Institute of Technology

Automobile Industry

- AVL India
- Bosch Limited
- Bridgestone India
- Continental Powertrain
- Continental Tyres
- Honda Motorcycle & Scooter
- JCB India
- John Deere
- Mahindra and Mahindra
- Motherson Group
- Olectra Greentech
- Tata Motors
- Toyota Kirloskar Motor

Chemical

- 3M
- Aarti Industries
- Aether Industries
- Aditya Birla Chemicals
- Anupam Rasayan
- Gharda Chemicals
- Grasim Industries
- Gujarat Alkalies & Chemicals
- Henkel Adhesives
- Kutch Chemical Industries
- Supreme Petrochem

FMCG

- Adani Wilmar
- Cargill
- Emami Agro
- Hatsun Agro
- Hindustan Unilever
- KTV Foods
- Mondelez
- Morde Foods
- Nivea Beiersdorf
- Parle Agro
- Patanjali Foods
- Pepsico India

Pharmaceuticals

- Bharat Biotech
- Biocon
- Cipla
- Glenmark Generics
- Himalaya Drugs
- Indoco Remedies
- Lupin
- Mankind Pharma
- Micro Labs
- Mylan
- Mylan Laboratories
- Serum Institute of India
- Strides Shasun
- Sun Pharma
- Wockhardt

Power Industry

- BHEL
- Koyna Hydro Power Project
- Mukha Power Station, Yemen
- National Thermal Power Corporation
- Nuclear Power Corporation of India
- Purulia Pumped Storage Project
- Reliance Power

Textile Industry

- Dicitex Decor
- Elegant Textiles, Indonesia
- Indo Bharat Rayon, Indonesia
- Indo Liberty Textile, Indonesia
- Indorama Synthetics, Indonesia
- Garden Silk Mills JBF Industries
- Welspun India

Overseas Installations

- Al Dhafra Paper Mills, Abu Dhabi
- Alfa Laval - Veg Oil Plants in ME & Africa
- Continental Tyres, Russia
- Crocodile Park, Dubai
- Dabur, Nepal
- Malacanang Presidential Palace, Philippines
- Nivea Beiersdorf, Nigeria
- Radisson Hotel, UAE
- State Insurance Office, Philippines
- Unilever Plants in Nepal, Sri Lanka, Indonesia, Philippines

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ASME SETTING THE STANDARD

TÜV SÜD ISO 9001 · TÜV SÜD ISO 14001 · TÜV SÜD ISO 45001

Indian Green Building Council FOUNDING MEMBER

CE

QUALITY SYSTEM CERTIFICATION DNV·GL ISO 9001

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