



EFFICIENT COOLING SOLUTIONS

130 Years of Engineering Excellence

Kirloskar Chillers, proud to be a part of the 135-year-old Kirloskar Group, is a trusted name in India and overseas for its 'Future Ready' technology and products. The Kirloskar Group is a USD 1.5 Bn conglomerate offering Diesel Engines, Generator Sets, Air & Gas Compressors, Industrial & Process Refrigeration Systems, Chillers and turnkey project solutions to customers from India and 70 countries across the globe.

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

Conforming to Global Standards

Kirloskar Chillers was the first Indian chiller manufacturer to acquire 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 focus areas – to enable us to export to Europe, we acquired CE/PED certification for our products.

Being a founding member of the Indian Green Building Council (IGBC), we ensure to deliver our

commitment towards protecting 'Mother Earth'. Our products comply with LEED India / ECBC / ISHRAE efficiency standards.

Kirloskar Chillers is the only Indian manufacturer to offer chillers using all the presently available technologies, viz. Magnetic Bearing Centrifugal, conventional Centrifugal, Screw and Scroll compressors, with the widest range of cooling capacities, from 11 TR to 2400 TR.

Preferred in India & Overseas

Headquartered and having our manufacturing facility in Pune (India), we have regional and branch offices across India, ensuring pre- and post-sales services that are seamless, efficient and effective. Similarly, Sales & Service offices and business associates in Europe, South East Asian countries, the Middle East and Africa serve our customers in these regions.

With more than 3,500 chillers successfully in operation within India and overseas totalling an installed capacity of > 700,000 TR, we serve segments across Government and Infrastructure projects (airports, thermal power, nuclear power, atomic energy & space research), Commercial applications (hotels, hospitals, retail, IT and office buildings) and Industrial applications (pharmaceutical, FMCG, food, chemicals, automobiles, textile and many other).

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
Scroll Chillers		11 to 44 TR	HFC 410a



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 15" 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

Other Features:

- » Voltage range 400V (LV), 3.3 kV, ~ 6.6 kV (MV) and 11 kV (HV)
- » Starter options - Star Delta, Soft Starter, VFD for LV & DOL, ATS for MV & HV;
- » 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



200 to 2400 TR



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PRODIGY

Water Cooled Screw Chillers

With HFC 134a, HFC 407C & HFO 1234ze refrigerants

Air Cooled Screw Chillers

With HFC 134a, HFC 407C & HFO 1234ze refrigerants

Heat Recovery Screw Chillers

Series KHP: Total Heat Recovery Up to 1000 kW

Features & Benefits:

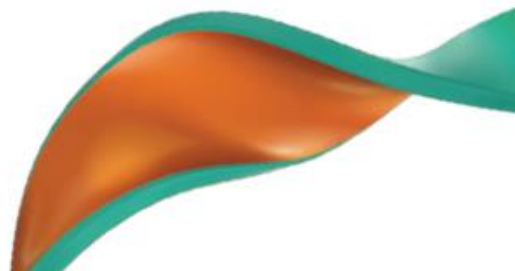
- » Outstanding energy efficiency, best in class COP and NPLVs
- » Microprocessor controller with 7" LED touch screen user interface
- » Step-less capacity control
- » Suitable for voltages from 380 ~ 460 V LV
- » Multiple Starter options – Star Delta, Soft Start, VFD
- » Heat exchanger tubes MOC options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

Other Options:

- » Partial & total heat recovery options, reverse cycle heat pumps (air cooled)
- » Available for low temp. brine chilling applications (+4 to -20 °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



k•rloskar SCROLL

Range

11 TR ~ 44 TR (38.7 ~ 154.7 kW)

Features & Benefits:

» Easy and Quick Installation:

Chillers are pre-wired, refrigerant charged and tested at the factory prior to dispatch, which makes installation and startup easy and less time consuming.

» Microprocessor-based Control System:

Ensures chiller safety by monitoring necessary parameters and controlling operation of the chiller.

» BMS Compatibility:

Advanced microprocessor control has an optional feature for BMS compatibility over most open protocols.

» Highly Energy Efficient & Reliable Scroll Compressor with Built-in Time delay:

Advanced compressor design with a time delay provided between first and second compressor starting ensuring high reliability.

» Capacity Modulation:

Use of multiple compressors with independent refrigerant circuits provides redundancy and enable efficient part load operations and energy savings.

» Modular Construction:

Enables parallel operation of multiple units to achieve desired plant capacity.

» Quiet Operation:

Axial fans designed for exceptionally silent operation.



Value-added Solutions from Kirloskar Chillers



» Upgrade to VFD (Variable Frequency Drive) Starter



» Ball Type Automatic Tube Cleaning System for 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 Chillers Products and Services



» India's leading Chiller manufacturer, with a wide range of energy-efficient and reliable Screw and Centrifugal Chiller products, using state-of-the-art technology



» Highly trained manpower - competence and quality of service is assured



» Wide spread service network throughout India and overseas



» Prompt spare parts support across the country and overseas



Few of Kirloskar GCC customer references

S.No.	Projects / Installations	Country	Unit Capacity (TR)	Qty	Total Capacity (TR)	Type	Industry
1	Gulf Can Middle East	UAE	186	2	372	Air-cooled Screw	Industrial
2	Khazmi Diwaniya Project	Kuwait	105	1	105	Air-cooled Screw	Industrial
3	Unicoil Saudi Arabia (Zamil Group)	KSA	250	1	250	Water-cooled Screw	Industrial
4	Al Rama Food Processing	UAE	22	1	22	Air-cooled Scroll	Industrial (Food & Bev)
5	National Paper Industries	UAE	70	1	70	Air-cooled Screw	Industrial (Paper)
6	Hi Tech Resins & Industries	UAE	109	1	109	Air-cooled Screw	Industrial (Plastic)
7	Colonial Chemical	KSA	42	1	42	Water-cooled Screw	Industrial (Chemical)
8	Elan Incorporated FZE	UAE	90	1	90	Air-cooled Screw	Industrial (Plastic)
9	JBF Bahrain	Bahrain	500	1	500	Centrifugal	Industrial (Chemical)
10	Ovo Foods	Egypt	70	1	70	Air-cooled Screw	Industrial (Food & Bev)
11	Radisson Blu Hotel, Dubai	UAE	540	1	540	Centrifugal	Commercial
12	Tahviah Arsam	Iran	280	4	1120	Screw	Commercial
13	Crocodile Park	UAE	45	6	270	Air-cooled Screw	Commercial
14	Caprisorn Bakery	UAE	95	1	95	Air-cooled Screw	Industrial (Food & Bev)
15	Taco Chemical Co.	Turkey	130	1	130	Water-cooled Screw	Industrial (Chemical)
16	Engie Stomo Power Plant	Oman	95	1	95	Air-cooled Screw	Industrial (Power)
17	Falcon Chemicals, Dubai	UAE	70	1	70	Air-cooled Screw	Industrial (Chemical)
18	KLU Organics	Qatar	50	1	50	Water-cooled Screw	Industrial (Chemical)
19	Radisson Blu Hotel, Dubai	UAE	280	1	280	Centrifugal	Commercial
20	Sebacic Oman SAOC	Oman	350	1	350	Water-cooled Screw	Industrial (Chemical)
21	SPO Serene Health Care	Uzbekistan	165	1	165	Water-cooled Screw	Industrial (Pharma)
22	Synthomer, Saudi Arabia	KSA	320	1	320	Air-cooled Screw	Industrial
23	TCI Sanmar	Egypt	600	1	600	Centrifugal	Industrial
24	Tinting Systems Company (TSC)	KSA	55	1	55	Water-cooled Screw	Industrial
25	Unicoil Saudi Arabia (Zamil Group)	KSA	250	1	250	Water-cooled Screw	Industrial (Pharma)
26	Wallet Pharma	UAE	100	1	100	Water-cooled Screw	Industrial (Pharma)
27	Verasco Hazel LLC (Tata Projects UAE)	UAE	160	4	640	Water-cooled Screw	Industrial (Chemical)
28	Addar Speciality Chemicals	KSA	300	2	600	Water-cooled Screw	Industrial (Chemical)
29	Al Dhafra Union Paper Mills, Abu Dhabi	UAE	320	3	960	Water-cooled Screw	Industrial (Paper)
30	Tanta, Egypt	Egypt	50	1	50	Water-cooled Screw	Industrial (Food & Bev)
31	KLU Organics, Qatar	Qatar	425	3	1275	Centrifugal	Industrial (Chemical)
32	Noosh Azar Co., Iran	Iran	75	1	75	Water-cooled Screw	Industrial
33	Pyramid Edible Oil, Egypt Project	Egypt	120	1	120	Water-cooled Screw	Industrial (Food & Bev)
34	Pyramid Edible Oil, Egypt Project	Egypt	40	1	40	Water-cooled Screw	Industrial (Food & Bev)
35	Fibre Plus, RAK	UAE	90	1	90	Water-cooled Screw	Industrial
36	Oasis Grease & Lubricants, Sharjah	UAE	125	1	125	Air-cooled Screw	Industrial (Chemical)
37	Kourash Foods, Iran Project	Iran	105	1	105	Water-cooled Screw	Industrial (Food & Bev)
38	Kourash Foods, Iran Project	Iran	120	1	120	Water-cooled Screw	Industrial (Food & Bev)
39	Fibre Plus, RAK	UAE	160	1	160	Water-cooled Screw	Industrial
40	Medica Pharmaceutical Industries, Yemen	Yemen	250	1	250	Air-cooled Screw	Industrial (Pharma)
41	Panol, RAK	UAE	50	2	100	Water-cooled Screw	Industrial (Chemical)
42	PharmaLand Pharmaceuticals, Sudan	Sudan	305	2	610	Air-cooled Screw	Industrial (Pharma)
43	Unicare, Riyadh	KSA	80	1	80	Air-cooled Screw	Industrial (Pharma)
44	Al Mukha Power Station, Yemen	Yemen	215	1	215	Air-cooled Screw	Industrial (Power)
45	Panol, RAK	UAE	50	1	50	Water-cooled Screw	Industrial



limitless



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