



# KRISCOOL

| CHILLERS SCREW & SCROLL

RANGE CATALOGUE

# ABOUT KEHEMS TECHNOLOGIES

## | Applied Engineering

### Applied Cooling, Heating, Low Temperature Applications & Energy Efficient Solutions...

Kehems Technologies [formerly Cristopia Energy Systems (I) Pvt. Ltd.] is a privately owned & managed with profound proficiency of competencies; Solution driven approach and best applied technologies in Heating, Cooling & Energy Efficient Solutions in HVACR and allied industrial applications.

We are driven by enthusiasm, determination and trust gained from Credible Engineering, Reliable Products and trustworthy team of extraordinary professionals. We are nationally and internationally recognized brand, committed for leading the global requirements of HVACR with trustworthy and technically correct solutions, best in class service capabilities and recognition of customer needs to manage the demand and supply equilibrium.

Kehems has been designing & manufacturing leader in areas of our operations since last more than two and half decades. Kehems success story started in a small village Umrikheda near Indore (MP, India) with many inventions and evolutions in the field of Cooling, Heating and Energy Efficiency applications like Thermal Energy Storage & Solar Energy.

## | Solution Oriented Approach

Kehems Technologies corporate culture & concept places customer at the heart of everything. Our senior team including Founder, Directors and Managing Director have more than 150 years of collaborative experience of achieving business excellence and delivering unparalleled customer satisfaction and comprehensive technical support. Our Customer Service, Sales, Projects, Engineering, Logistics and industry experts who have close working relationships with our customers enabling us to understand developments taking place in their individual markets and desired solutions for those markets.

Every customer, Consultant, Architect, Builder and Designer is assured of a unique approach to help them meet the needs of their challenges in Projects and we stand by them no matter the query is about. Our customers always speak to the solution oriented person who best understands their application challenges.

## | Advanced Manufacturing Facility

KEHEMS's manufacturing plant at Village Umrikheda, Indore, strives to produce world class products. It is supported by a network of knowledge bases throughout the world and use of advanced technology and equipment. Our comprehensive quality control system features centrally computerised management of quality and production data to facilitate first-rate production within scheduled time.

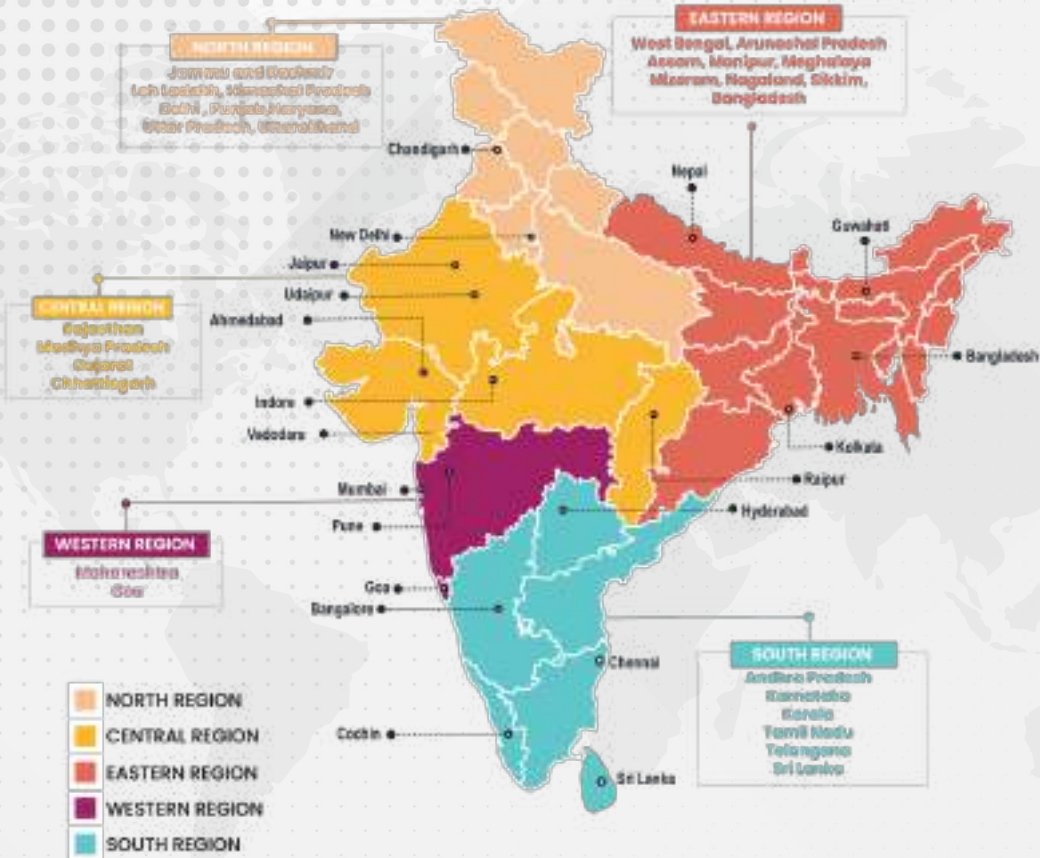
Our quality control system and corporate activities help to ensure compliance with international quality checks and environmental management standards.

Living our quality commitment we manufacture highly energy efficient products from high quality components, all the way imported from best sources world over. By reducing the supply lead-time and meeting market needs in terms of product specifications, we plan to strengthen our India leadership.

# OUR NETWORKS

## Regions

Asia, Europe, South East



## Products

### KRISCOOL

#### CHILLERS

- Air cooled Screw Chillers 30 TR - 650 TR
- Water cooled Screw Chillers 30 TR - 650 TR
- Air cooled MINI Scroll Chillers 3.5 TR - 16 TR
- Air cooled MINI Scroll with VFD Chillers 16.5 TR - 103 TR
- Low Temperature Chillers 13 TR - 250 TR; Temp. Range (-)5°C - (-)40°C

### KRISTHERM

#### HEAT PUMPS

- Domestic Heat Pumps 4.1 kW - 10.8 kW
- Air to Water MINI Scroll Heat Pumps 10 kW - 290 kW
- Water to Water MINI Scroll Heat Pump 32 kW - 160 kW
- Screw Heat Pumps 100 kW - 2000 kW

### KRISTESS

#### Thermal Energy Storage Systems

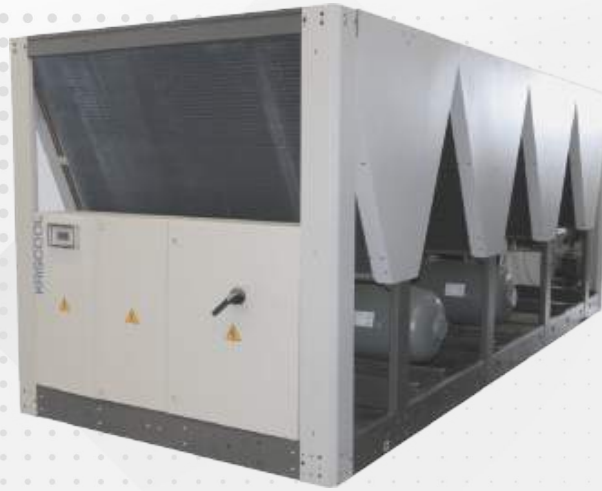


- Integrated Solar Street Lights
- Out door Solar Lights
- Hybrid Solar Pumps

Employees	320
Regions	15
Reaches Through Kehems Representation	18
Units Installed	4500+
Business Associates	60+
On Board Service Professionals	160+
White Labelled Customers	10+

# OUR PRODUCTS

| Energy Efficient and Low Operating Cost ...



**AIR COOLED SCREW CHILLERS**



**MINI SCROLL CHILLERS**



**WATER COOLED SCREW CHILLERS**

# OUR HERITAGE

Starting as Energy Audit Consultant in the year 1987 the **KEHEMS** Group has maintained very high levels of design, manufacturing and execution standards for their equipment and projects in these years.

It has always been the speciality of **KEHEMS** Group to use their technological skills (In machines & systems produced by them) to meet the **VARIED** Application requirements of the Industries.

Few of such innovative application installations successfully carried out by **KEHEMS** Group are listed below:

- Development & Installation of Sea Water Cooling System At Saurashtra Chemicals.
- Design, Engineering, Manufacturing & Installation of Sea Water Desalination Plant for Tata Chemicals.
- Design, Engineering, Manufacturing & Installation of Sea Water Desalination Plant for Saurashtra Chemicals.
- Mobile Drinking Water Units.
- Cooling back up by Thermal Energy Storage Systems for Critical Application.
- **KEHEMS** Group has developed such Air Cooled Chillers which are especially designed for frequent & rough handling and transportation with especial SKIDS and other provisions.
- Water Cooled Containerized Chillers.

## Sustaining the relevance Yesterday, Today & Tomorrow



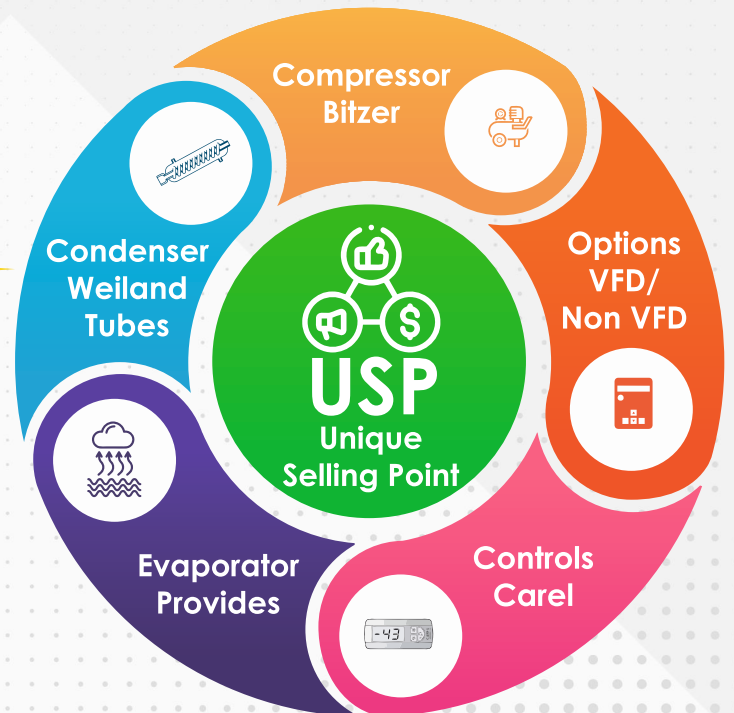
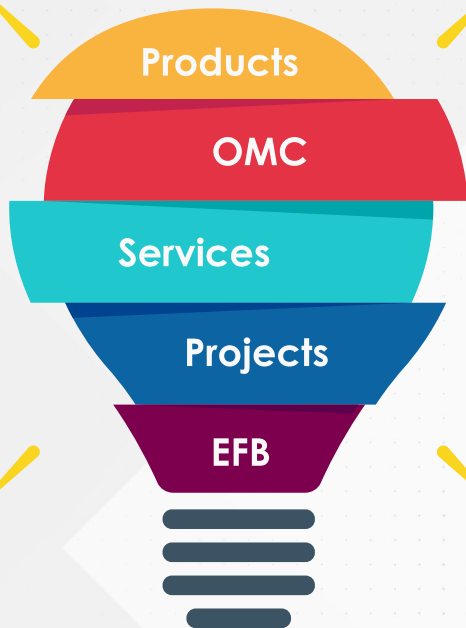
# VALUE PROPOSITION

| Credibility Reliability Trust Competence



# | Innovation Pioneer Engineering

## OFFERINGS



# ABOUT KRISCOOL CHILLER RANGE

Latest Technology High efficiency Water Cooled and Air Cooled Screw Chillers are developed to meet the continuously increasing demand of Indian and International market. **KRISCOOL** high efficiency chillers are energy saving products with proven high performance.

**KRISCOOL** Chillers are suitable for a wide range of applications; not only comfort cooling but also for operation with brine and Thermal Energy Storage or Industry cooling. The single and multiple compressor design machines with totally independent circuits, provide maximum flexibility.

It's semi-hermetic twin -screw compressor ensures high energy efficiency and long service life. The high efficiency DX/Latest generation flooded evaporator increases the COP level to an industry leading level. Advanced smart control logic of the system precisely monitors key variables and adjusts the chiller operation. The microprocessor can be connected to any Building Automation System via **MODBUS** Protocol.

## Eco-Friendly, Energy Efficient

**KRISCOOL** Chillers with environment friendly refrigerant, HFC-134a are made to world class standards. Simple installation, superior efficiency and easy controls, these units are ideal for replacement and new projects.

### Affordable

Quick and easy installation saves time and money. The savings with lower operating costs and energy efficient performance will continue to mount.

### Efficiency

Highly efficient chiller - Coefficient of Performance (COP) with fans up to 3.48 and integrated part-load value (IPLV) ratings as high as 0.683. The screw compressor requires very less maintenance due to minimised wear.

### Quiet

Low sound Aero Acoustic fan produces, half the sound level of the propeller fan. Ideal for sound-sensitive environments.



**ELECTRONIC EXPANSION VALVE**

#### Precise Control

Ensures improved energy efficiency, precise temperature control and safe part load operation.



**MODULAR V-FRAME**

#### More Condenser Area per footprint

Vastly improves heat exchange, giving better performance and control particularly at part load also facilitates maintenance.



**SCREW COMPRESSOR**

#### Precise Capacity Match

Quiet and Cost Effective, a choice of one or two refrigeration circuits with multiple Compressors continuous Automatic Capacity Control from 15 to 100%.



**EVAPORATOR**

#### Optimised for Efficiency

Shell & Tube Evaporator built using imported, internally enhanced and highly efficient Copper Tubes and optimised for refrigerant quantity.

# SOLUTIONS THROUGH PRODUCTS

## Performance Tested And Proven

Quality is assured by our on-site, world-class testing and production facilities and the application of the latest manufacturing techniques and continuous improvement. Kehems's dedicated test facility is as per AHRI requirements. Cooling and heating capacity of test units range from 10kW up to 2MW. Customers can see product testing to verify duty and energy performance and ensure operational requirements.

A major factor influencing selection of Kehems was its transparency and facility to witness test. We prefer working with a leading manufacturer who is carrying out product development work and can give us support and reassurance throughout.

## Eco-Friendly, Energy Efficient Chillers

**KRISCOOL** Chillers with environment friendly refrigerant, HFC-134a provides ease of operation and made to world class standards.

Simple installation, superior efficiency and easy controls, make these units ideal for both replacement and new projects under construction.

## Kehems KRISCOOL Range of Chillers

### WITH AND WITHOUT VFD

#### **WATER COOLED SCREW CHILLER**

Cooling Capacity- 30 TR to 650 TR  
Refrigerant: R134a

#### **AIR COOLED SCREW CHILLER**

Cooling Capacity- 30 TR to 650 TR  
Refrigerant: R134a

#### **LOW TEMPERATURE CHILLERS**

Cooling Capacity: 13 TR to 250 TR  
Temp. Range: upto (-)30°C  
Refrigerant: R134a & R404a

#### **AIR COOLED SCROLL CHILLER**

Cooling Capacity- 3.5 TR to 103 TR  
Refrigerant: R410a

# ENVIRONMENTALLY FRIENDLY

# R-134a



# ABOUT AHRI CERTIFICATE



The performance of **KRISCOOL** Chiller has been certified to comply with the latest certification sections of **AHRI** Standards 550/590 and 551/591. Under this Certification Program, chillers are regularly tested in strict compliance with this Standard. This provides an independent, third party verification of chiller performance.

Quality is assured by our on-site, world-class testing and production facilities and the application of the latest manufacturing techniques and continuous improvement. **Kehems's** dedicated test facility is as per **AHRI** requirements. Cooling and heating capacity of test units range from 10kw up to 2MW. Customers can see product testing to verify duty and energy performance and ensure operational requirements.



**For achieving a 100% Success Rate in the Industry.**



**AHRI CLIMATE CONTROL ROOM**



**AHRI TEST BENCH**

Higher  
**Energy**  
Efficiency  
& Lower  
**Operating**  
Costs



# WATER COOLED SCREW CHILLER

34 TR TO 650 TR



Energy Efficient  
Cost Saving

**AIRI** CERTIFIED®  
www.airifactory.org

Water-Cooled Water Chilling and  
Heat Pump Water-Heating Processes  
AHRI Standards 550/590 and 551/591

# WATER COOLED SCREW CHILLER:

**KRISCOOL's** futuristic component design, machine configuration and safety features ensure reliable operations. The chillers are compact, designed to provide maximum output in minimum space and easy handling during installation.

**KRISCOOL** attains high level performance; the reduction in electricity consumption provides direct savings in operating costs and ensures good levels of returns on investment for the users.

Leakage limit, surpassing prevalent world standards.

**KRISCOOL** range is most environment friendly, using minimized charge of HFC refrigerant, well within the approved and accepted international standards.

The leak proof machine tested to 1gm/year refrigerant.

## High Energy Performance Levels

Recyclable refrigerant

Reduced charge

Safety - Non flammable, Non toxic



## ENVIRONMENTALLY FRIENDLY

# R-134a



# WATER COOLED SCREW CHILLERS

## | WCH/WCH1

### Introducing Standard Version of Water Cooled Screw Chillers

- WCH - Standard Chiller
- WCH1 - Energy Efficient Chiller

Semi Hermetic Twin Screw Compressor Shell And Tube Condenser Direct Expansion Shell And Tube Evaporator R-134a Refrigerant.

**COOLING CAPACITY 34TR to 475 TR**

## | Application

The KEHEMS's KRISCOOL Water Cooled Screw Chillers are designed for indoor installation and offer an optimal Solution for any refrigeration application in the **Air Conditioning or Industrial Process**.

## | Options

### Free Hot Water

The Chiller is offered with optional De-superheater for **FREE OF COST HOT WATER GENERATION**.

### BMS Communication

Option available for BMS communication through.

### MODBUS/ BACNET/ ETHERNET/ LON protocol

Ensuring greater adaptability, remote communication & increased safety.

### Chiller Plant Manager

For management up to 8 Chillers.

### Soft Starter

Evaporator & Condenser Water header  
Kit for Lifting by Crane

### MODELS (IN WCH RANGE)

One Refrigerant Circuit: **12 Models**

Two Refrigerant Circuits: **20 Models**

### MODELS (IN WCH1 RANGE)

One Refrigerant Circuit: **12 Models**

Two Refrigerant Circuits: **20 Models**

# Technical Specifications

Models KRISCOOL	6001 WCH	6931 WCH	7001 WCH	8001 WCH	11001 WCH	12501 WCH
Capacity - TR	34.40	45.30	52.30	71.40	97.90	110.3
Number of Compressor	ONE					
Number of Evaporator	ONE					
Number of Condenser	ONE					
Length - mm	2140	2180	2100	3325	3360	3365
Width - mm	1115	1115	1155	1155	1185	1200
Height - mm	1600	1600	1655	1550	1650	1650
Operating Weight - kg	1035	1155	1425	1675	2120	2170

Models KRISCOOL	14001 WCH	16001 WCH	18001 WCH	21001 WCH	24001 WCH	28001 WCH
Capacity - TR	132.5	151.9	171.4	194.0	218.0	235.3
Number of Compressor	ONE					
Number of Evaporator	ONE					
Number of Condenser	ONE					
Length - mm	3375	4240	4240	4125	4130	4330
Width - mm	1470	1440	1420	1440	1480	1455
Height - mm	1670	1670	1670	1670	1705	1705
Operating Weight - kg	2750	2990	3080	3435	3710	3725

Models KRISCOOL	12002 WCH	12932 WCH	14002 WCH	16002 WCH	19002 WCH	22002 WCH	23502 WCH	25002 WCH
Capacity - TR	71.50	92.50	108.4	143.7	169.2	195.4	206.1	218.2
Number of Compressor	TWO							
Number of Evaporator	ONE							
Number of Condenser	TWO							
Length - mm	3960	3845	4015	3880	4050	3950	3950	3950
Width - mm	1540	1585	1590	1590	1650	1650	1860	1860
Height - mm	1550	1530	1550	1550	1650	1660	1660	1660
Operating Weight - kg	2165	2245	2645	2875	3640	4080	4230	4280

Models KRISCOOL	26502 WCH	28002 WCH	30002 WCH	32002 WCH	34002 WCH	36002 WCH
Capacity - TR	240.7	268.9	283.8	297.9	322.7	343.1
Number of Compressor	TWO					
Number of Evaporator	ONE					
Number of Condenser	TWO					
Length - mm	3950	4510	4510	4700	4560	4560
Width - mm	1860	1860	1930	1930	1970	1975
Height - mm	1670	1670	1670	1670	1720	1720
Operating Weight - kg	4825	5540	5550	5560	6175	6305

Models KRISCOOL	39002 WCH	42002 WCH	45002 WCH	48002 WCH	52002 WCH	56002 WCH
Capacity - TR	367.2	385.9	403.3	434.4	452.0	470.0
Number of Compressor	TWO					
Number of Evaporator	ONE					
Number of Condenser	TWO					
Length - mm	4560	4560	4560	4650	4850	4980
Width - mm	1975	1975	1975	1975	1975	1975
Height - mm	1720	1720	1730	1730	1730	1730
Operating Weight - kg	6355	6400	6610	6915	6935	6955

## Technical Specifications

Models KRISCOOL	6001 WCH1	6931 WCH1	7001 WCH1	8001 WCH1	11001 WCH1	12501 WCH1
Capacity - TR	34.40	45.50	52.50	72.10	98.80	111.1
Number of Compressor	ONE					
Number of Evaporator	ONE					
Number of Condenser	ONE					
Length - mm	2140	2200	2100	3460	3520	3520
Width - mm	1115	1115	1155	1225	1475	1475
Height - mm	1600	1665	1655	1670	1705	1705
Operating Weight - kg	1040	1160	1430	1685	2140	2195

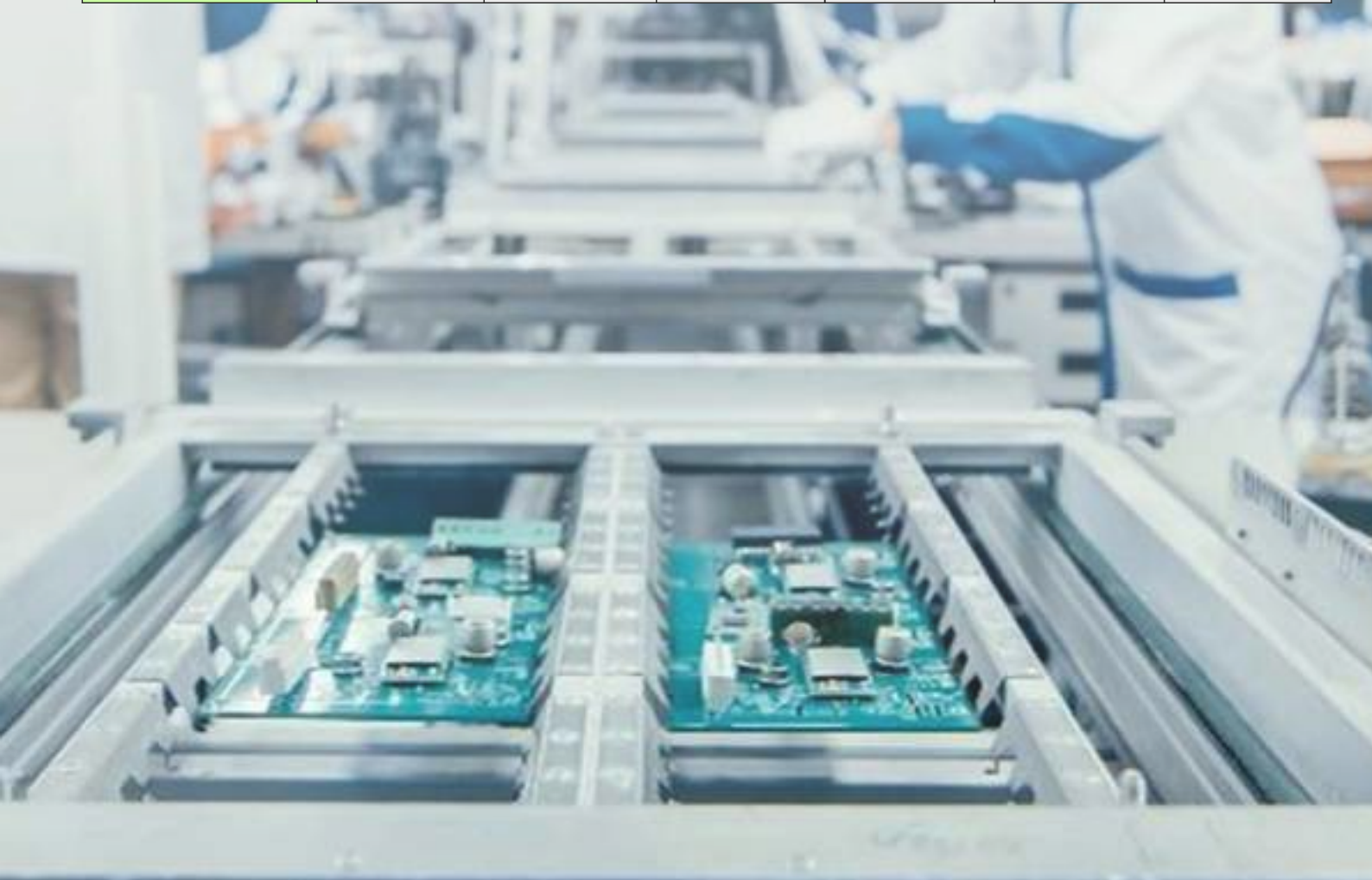
Models KRISCOOL	14001 WCH1	16001 WCH1	18001 WCH1	21001 WCH1	24001 WCH1	28001 WCH1
Capacity - TR	133.5	153.5	173.3	196.1	220.8	238.0
Number of Compressor	ONE					
Number of Evaporator	ONE					
Number of Condenser	ONE					
Length - mm	3555	4240	4240	4125	4130	4335
Width - mm	1485	1450	1545	1560	1610	1580
Height - mm	1740	1740	1790	1785	1790	1815
Operating Weight - kg	2770	3010	3115	3480	3755	3780

Models KRISCOOL	12002 WCH1	12932 WCH1	14002 WCH1	16002 WCH1	19002 WCH1	22002 WCH1	23502 WCH1	25002 WCH1
Capacity - TR	72.00	93.40	109.3	145.1	170.7	197.1	207.9	220.1
Number of Compressor	TWO							
Number of Evaporator	ONE							
Number of Condenser	TWO							
Length - mm	3960	3845	4015	3880	4050	3950	3950	3950
Width - mm	1540	1585	1590	1800	1860	1865	1930	1930
Height - mm	1550	1645	1645	1670	1710	1705	1710	1710
Operating Weight - kg	2185	2270	2670	2900	3675	4130	4280	4330

# Technical Specifications

Models KRISCOOL	26502 WCH1	28002 WCH1	30002 WCH1	32002 WCH1	34002 WCH1	36002 WCH1
Capacity - TR	242.1	271.4	286.5	300.4	325.8	346.7
Number of Compressor	TWO					
Number of Evaporator	ONE					
Number of Condenser	TWO					
Length - mm	3950	4510	4510	4700	4560	4560
Width - mm	1945	2140	2140	2145	2200	2200
Height - mm	1740	1740	1740	1740	1790	1790
Operating Weight - kg	4875	5590	5600	5610	6235	6375

Models KRISCOOL	39002 WCH1	42002 WCH1	45002 WCH1	48002 WCH1	52002 WCH1	56002 WCH1
Capacity - TR	370.9	389.4	407.1	438.4	456.9	475.1
Number of Compressor	TWO					
Number of Evaporator	ONE					
Number of Condenser	TWO					
Length - mm	4560		4560	4650	4850	4980
Width - mm	2200		2200	2200	2320	2320
Height - mm	1790		1790	1790	1815	1815
Operating Weight - kg	6430		6700	7010	7030	7055



# WATER COOLED SCREW CHILLERS

## | WCV/WCHV/WCH1V

Introducing Standard Version of Water Cooled Screw Chillers with VFD

- WCV
- WCHV
- WCH1V

Semi Hermetic Twin Screw Compressor Shell And Tube Condenser Direct Expansion Shell And Tube Evaporator R-134a Refrigerant.

**COOLING CAPACITY 40 TR to 650 TR**

## | Application

The KEHEMS's KRISCOOL Water Cooled Screw Chillers with VFD are designed for indoor installation and offer an optimal Solution for any refrigeration application in the **Air Conditioning or Industrial Process**.

## | Options

### **BMS Communication:**

Option available for BMS communication through **MODBUS / BACNET / ETHERNET / LON** protocol ensuring greater adaptability, remote communication & increased safety.

### **Chiller Plant Manager:**

For management up to 8 Chillers.

### **Condenser Water header.**

**Touch Screen Display Carel tERA**

### **MODELS (IN WCV RANGE):**

One Refrigerant Circuit: **22 Models**

Two Refrigerant Circuits: **35 Models**

### **MODELS (IN WCHV/WCH1V RANGE):**

One Refrigerant Circuit: **12 Models**

Two Refrigerant Circuits: **20 Models**



# Technical Specifications

Models KRISCOOL	751 WCV	801 WCV	1001 WCV	1051 WCV	1351 WCV	1401 WCV	1501 WCV	1551 WCV
Capacity - TR	74.30	75.90	95.70	99.40	130.60	133.80	148.80	151.10
Number of Compressor	ONE							
Number of Evaporator	ONE							
Number of Condenser	ONE							
Length - mm	3440	3440	3595	3495	3495	4050	4240	4120
Width - mm	1150	1150	1150	1165	1210	1275	1275	1430
Height - mm	1520	1560	1560	1560	1560	1665	1665	1700
Operating Weight - kg	1620	1740	1815	1940	2310	2525	2600	3000

Models KRISCOOL	1851 WCV	1901 WCV	2101 WCV	2151 WCV	2401 WCV	2451 WCV	2651 WCV	2701 WCV
Capacity - TR	181.90	185.80	206.80	207.70	234.10	234.60	258.60	263.7
Number of Compressor	ONE							
Number of Evaporator	ONE							
Number of Condenser	ONE							
Length - mm	4120	4120	4120	4120	4325	4325	4330	4330
Width - mm	1430	1430	1430	1445	1435	1450	1450	1450
Height - mm	1665	1700	1700	1735	1700	1735	1735	1735
Operating Weight - kg	3375	3465	3485	3625	3625	3740	3805	3810

Models KRISCOOL	2751 WCV	3001 WCV	3051 WCV	3101 WCV	3251 WCV	3301 WCV	1502 WCV	1552 WCV
Capacity - TR	270.10	287.10	295.50	301.20	326.30	327.20	149.10	149.70
Number of Compressor	ONE						TWO	
Number of Evaporator	ONE							
Number of Condenser	ONE						TWO	
Length - mm	4335	4330	4335	4335	4235	4235	3855	3865
Width - mm	1500	1525	1650	1650	1650	1650	1535	1535
Height - mm	1735	1735	1785	1785	1785	1785	1520	1560
Operating Weight - kg	4305	3985	4620	4680	4655	4710	3025	3260

Models KRISCOOL	1602 WCV	1752 WCV	1802 WCV	2002 WCV	2052 WCV	2352 WCV	2402 WCV	2652 WCV
Capacity - TR	153.40	173.10	176.90	193.60	200.20	229.60	234.9	262.00
Number of Compressor	TWO							
Number of Evaporator	ONE							
Number of Condenser	TWO							
Length - mm	3990	3940	3940	3940	3940	3945	3945	3945
Width - mm	1630	1630	1630	1630	1630	1630	1630	1630
Height - mm	1560	1560	1560	1560	1560	1590	1590	1590
Operating Weight - kg	3575	3715	3725	3715	3770	4505	4505	4505

Models KRISCOOL	2702 WCV	3002 WCV	3052 WCV	3102 WCV	3352 WCV	3402 WCV	3702 WCV	3752 WCV
Capacity - TR	266.20	295.00	301.70	302.90	330.70	336.20	363.70	370.90
Number of Compressor	TWO							
Number of Evaporator	ONE							
Number of Condenser	TWO							
Length - mm	4095	4310	4310	4310	4640	4625	4640	4625
Width - mm	1900	1900	1900	1900	1900	1900	1900	1900
Height - mm	1710	1800	1800	1795	1680	1700	1680	1700
Operating Weight - kg	5235	5335	5430	5650	6335	6520	6385	6575

Models KRISCOOL	3852 WCV	3902 WCV	4152 WCV	4202 WCV	4402 WCV	4702 WCV	4752 WCV	4802 WCV
Capacity - TR	382.80	383.90	409.30	414.40	435.10	467.60	468.70	474.50
Number of Compressor	TWO							
Number of Evaporator	ONE							
Number of Condenser	TWO							
Length - mm	4625	4625	4625	4640	4760	4760	4775	4795
Width - mm	1900	1900	1900	1980	1900	1900	1980	2150
Height - mm	1700	1700	1700	1725	1700	1700	1740	1925
Operating Weight - kg	6610	6665	6610	6895	6875	6880	7110	7835

Models KRISCOOL	5302 WCV	5402 WCV	5502 WCV	6002 WCV	6052 WCV	6102 WCV	6502 WCV	6552 WCV	6602 WCV
Capacity - TR	524.60	534.70	543.30	590.80	593.10	597.00	647.90	652.40	654.10
Number of Compressor	TWO								
Number of Evaporator	ONE								
Number of Condenser	TWO								
Length - mm	4795	4795	4795	4945	5030	5030	5030	5030	5030
Width - mm	2150	2150	2150	2170	2270	2270	2270	2270	2270
Height - mm	1925	1925	1925	1875	1875	1875	1880	1880	1880
Operating Weight - kg	7975	7980	8095	8370	8760	8915	8975	8975	9090



# Technical Specifications

Models KRISCOOL	6001 WCHV	6931 WCHV	7001 WCHV	8001 WCHV	11001 WCHV	12501 WCHV
Capacity - TR	39.70	52.4	60.20	82.80	113.3	127.9
Number of Compressor	ONE					
Number of Evaporator	ONE					
Number of Condenser	ONE					
Length - mm	2140	2180	2100	3325	3360	3365
Width - mm	1115	1115	1155	1155	1185	1200
Height - mm	1600	1600	1655	1550	1650	1650
Operating Weight - kg	1085	1215	1500	1755	2225	2275

Models KRISCOOL	14001 WCHV	16001 WCHV	18001 WCHV	21001 WCHV	24001 WCHV	28001 WCHV
Capacity - TR	153.1	175.9	197.7	224.2	252.1	271.6
Number of Compressor	ONE					
Number of Evaporator	ONE					
Number of Condenser	ONE					
Length - mm	3375	4240	4240	4125	4130	4330
Width - mm	1470	1440	1420	1440	1480	1455
Height - mm	1670	1670	1670	1670	1705	1705
Operating Weight - kg	2885	3135	3230	3590	3880	3900

Models KRISCOOL	12002 WCHV	12932 WCHV	14002 WCHV	16002 WCHV	19002 WCHV	22002 WCHV	23502 WCHV	25002 WCHV
Capacity - TR	82.8	107.2	125.3	166.7	196.0	226.2	238.5	252.6
Number of Compressor	TWO							
Number of Evaporator	ONE							
Number of Condenser	TWO							
Length - mm	3960	3845	4015	3880	4050	3950	3950	3950
Width - mm	1540	1585	1590	1590	1650	1650	1860	1860
Height - mm	1550	1530	1550	1550	1650	1660	1660	1660
Operating Weight - kg	2165	2350	2775	3015	3810	4270	4430	4475

Models KRISCOOL	26502 WCHV	28002 WCHV	30002 WCHV	32002 WCHV	34002 WCHV	36002 WCHV
Capacity - TR	278.1	311.3	328.3	344	372.8	395.9
Number of Compressor	TWO					
Number of Evaporator	ONE					
Number of Condenser	TWO					
Length - mm	3950	4510	4510	4700	4560	4560
Width - mm	1860	1860	1930	1930	1970	1975
Height - mm	1670	1670	1670	1670	1720	1720
Operating Weight - kg	5055	5800	5810	5820	6460	6590

Models KRISCOOL	39002 WCHV	42002 WCHV	45002 WCHV	48002 WCHV	52002 WCHV	56002 WCHV
Capacity - TR	424.3	445.5	464.7	502.0	521.9	542.3
Number of Compressor	TWO					
Number of Evaporator	ONE					
Number of Condenser	TWO					
Length - mm	4560	4560	4560	4650	4850	4980
Width - mm	1975	1975	1975	1975	1975	1975
Height - mm	1720	1720	1730	1730	1730	1730
Operating Weight - kg	6645	6695	6915	7235	7255	7270

## Technical Specifications

Models KRISCOOL	6001 WCH1V	6931 WCH1V	7001 WCH1V	8001 WCH1V	11001 WCH1V	12501 WCH1V
Capacity - TR	39.90	52.70	60.50	83.70	114.7	129.2
Number of Compressor	ONE					
Number of Evaporator	ONE					
Number of Condenser	ONE					
Length - mm	2140	2200	2100	3460	3520	3520
Width - mm	1115	1115	1155	1225	1475	1475
Height - mm	1600	1665	1655	1670	1705	1705
Operating Weight - kg	1090	1220	1505	1765	2245	2300

Models KRISCOOL	14001 WCH1V	16001 WCH1V	18001 WCH1V	21001 WCH1V	24001 WCH1V	28001 WCH1V
Capacity - TR	154.7	178.3	200.5	227.1	256.2	275.6
Number of Compressor	ONE					
Number of Evaporator	ONE					
Number of Condenser	ONE					
Length - mm	3555	4240	4240	4125	4130	4335
Width - mm	1485	1450	1545	1560	1610	1580
Height - mm	1740	1740	1790	1785	1790	1815
Operating Weight - kg	2905	3155	3265	3635	3925	3955

Models KRISCOOL	12002 WCH1V	12932 WCH1V	14002 WCH1V	16002 WCH1V	19002 WCH1V	22002 WCH1V	23502 WCH1V	25002 WCH1V
Capacity - TR	83.60	108.6	126.7	168.8	198.3	228.8	241.2	255.4
Number of Compressor	TWO							
Number of Evaporator	ONE							
Number of Condenser	TWO							
Length - mm	3960	3845	4015	3880	4050	3950	3950	3950
Width - mm	1540	1585	1590	1800	1860	1865	1930	1930
Height - mm	1550	1645	1645	1670	1710	1705	1710	1710
Operating Weight - kg	2285	2375	2800	3040	3845	4320	4480	4525

# Technical Specifications

Models KRISCOOL	26502 WCH1V	28002 WCH1V	30002 WCH1V	32002 WCH1V	34002 WCH1V	36002 WCH1V
Capacity - TR	280.3	315.1	332.3	347.9	377.5	401.2
Number of Compressor	TWO					
Number of Evaporator	ONE					
Number of Condenser	TWO					
Length - mm	3950	4510	4510	4700	4560	4560
Width - mm	1945	2140	2140	2145	2200	2200
Height - mm	1740	1740	1740	1740	1790	1790
Operating Weight - kg	5105	5850	5860	5870	6520	6660

Models KRISCOOL	39002 WCH1V	42002 WCH1V	45002 WCH1V	48002 WCH1V	52002 WCH1V	56002 WCH1V
Capacity - TR	429.8	450.7	470.4	508.1	529.2	549.8
Number of Compressor	TWO					
Number of Evaporator	ONE					
Number of Condenser	TWO					
Length - mm	4560	4560	4560	4650	4850	4980
Width - mm	2200	2200	2200	2200	2320	2320
Height - mm	1790	1790	1790	1790	1815	1815
Operating Weight - kg	6720	6775	7005	7330	7350	7370

# WATER COOLED SCREW CHILLERS

## | Flooded Evaporator

**New arrival in Kehems Range of Chillers**

**Latest Generation of Water Cooled Screw Chiller with FLOODED EVAPORATOR**

- High Efficiency at Full Load & Part Load
- VFD Driven Semi Hermetic Compressor.
- Flooded Evaporator with Refrigerant Spray Technology.
- Patented Design.
- Lower Refrigerant Charge compared to competitors.
- Very Low Starting Current.
- BMS Compatible.
- COP Range - 5.70 to 6.50
- IPLV - 0.34 to 0.38
- Very Compact Machine Design.
- Energy Compliance to ECBC/ASHRAE 90.1.

**COOLING CAPACITY 80 TR to 650 TR**



## Technical Specifications

Models KRISCOOL	851 WCHEV	1051 WCHEV	1351 WCHEV	1551 WCHEV	1851 WCHEV	2101 WCHEV	2351 WCHEV
Capacity - TR	80.1	101.1	130.0	150.9	180.1	203.1	229.8
Number of Compressor	ONE						
Number of Evaporator	ONE						
Number of Condenser	ONE						
Length - mm	3840	3840	3840	3840	3950	3950	4400
Width - mm	1600	1600	1600	1650	1650	1650	1650
Height - mm	1910	1910	1880	2100	2100	2100	2100
Operating Weight - kg	1085	1224	1290	1599	1861	2208	2418

Models KRISCOOL	2651 WCHEV	2901 WCHEV	3201 WCHEV	1652 WCHEV	2052 WCHEV	2602 WCHEV	2952 WCHEV
Capacity - TR	257.6	282.6	311.5	159.9	200.9	254.7	286.2
Number of Compressor	ONE			TWO			
Number of Evaporator	ONE						
Number of Condenser	ONE			TWO			
Length - mm	4400	4520	4520	4070	4070	4640	4640
Width - mm	1650	1700	1700	1700	1700	1960	2000
Height - mm	2100	2150	2150	1960	1960	1900	2080
Operating Weight - kg	2392	2634	2818	3395	3420	3476	3943

Models KRISCOOL	3152 WCHEV	3652 WCHEV	4152 WCHEV	4702 WCHEV	5302 WCHEV	5902 WCHEV	6502 WCHEV
Capacity - TR	306.3	358.8	403.4	462.4	517.1	576.9	634.1
Number of Compressor	TWO						
Number of Evaporator	ONE						
Number of Condenser	TWO						
Length - mm	4940	4940	5340	5440	5510	5665	5665
Width - mm	2000	2050	2050	2050	2050	2150	2150
Height - mm	2020	2160	2160	2360	2360	2360	2460
Operating Weight - kg	4263	4459	5065	5386	5122	5510	5786

## Technical Specifications

Models KRISCOOL	851 WCHE2V	1051 WCHE2V	1351 WCHE2V	1551 WCHE2V	1851 WCHE2V	2101 WCHE2V	2351 WCHE2V
Capacity - TR	81.2	102.5	132.1	153.2	182.8	206.2	233.2
Number of Compressor	ONE						
Number of Evaporator	ONE						
Number of Condenser	ONE						
Length - mm	3840	3840	3840	3840	3950	3950	4400
Width - mm	1650	1650	1720	1720	1720	1720	1750
Height - mm	1910	1910	1880	2100	2100	2100	2100
Operating Weight - kg	3060	3149	3165	3424	3636	3933	4093

Models KRISCOOL	2651 WCHE2V	2901 WCHE2V	3201 WCHE2V	1652 WCHE2V	2052 WCHE2V	2602 WCHE2V	2952 WCHE2V
Capacity - TR	262.1	288.4	317.5	162.2	203.6	258.7	290.6
Number of Compressor	ONE			TWO			
Number of Evaporator	ONE						
Number of Condenser	ONE			TWO			
Length - mm	4400	4520	4520	4070	4070	4640	4640
Width - mm	1750	1750	1750	1840	1840	2160	2160
Height - mm	2100	2150	2150	1960	1960	1900	2080
Operating Weight - kg	4017	4209	4393	5445	5570	5576	6043

Models KRISCOOL	3152 WCHE2V	3652 WCHE2V	4152 WCHE2V	4702 WCHE2V	5302 WCHE2V	5902 WCHE2V	6502 WCHE2V
Capacity - TR	310.5	364.1	409.6	469.7	525.6	589.1	646.4
Number of Compressor	TWO						
Number of Evaporator	ONE						
Number of Condenser	TWO						
Length - mm	4940	4940	5340	5440	5510	5665	5665
Width - mm	2160	2190	2260	2260	2300	2300	2315
Height - mm	2020	2160	2160	2360	2360	2360	2460
Operating Weight - kg	6363	6559	7165	7486	7222	7610	7886





# LOW TEMPERATURE SCREW CHILLER

TEMPERATURE RANGE (-) 5 C - (-) 40 C

**12TR TO 250 TR**

Semi Hermetic TWIN Screw Compressor

Shell & Tube Condenser

Direct Expansion Shell & Tube Evaporator

R-134a and R-404a Refrigerant

Options available with TES

Chilled Brine Outlet Up to (-) 40 C

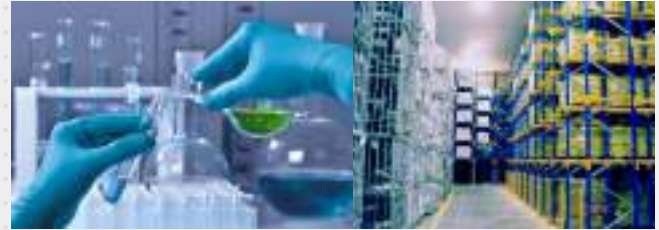


All our Brine Chillers are tested with 100% Brine at the factory.

# WIDE RANGE TO PROVIDE THE EXACT LOW TEMPERATURE FOR EACH APPLICATION

## Salient Features:

- Chilled Brine Generation from (-)5°C upto (-) 40°C
- High efficiency chiller
- Screw Compressor.
- Separate Oil Separator.
- Fully Microprocessor controlled automatic operation.
- For continuous process load up to 16 hrs. combination of Low Temp Chiller + Storage System is available



## Technical Specification

Models KRISCOOL	2601 LTXV	3401 LTXV	5001 LTXV	7001 LTXV	8101 LTXV	10501 LTXV	14102 LTXV	15902 LTXV	21302 LTXV	24902 LTXV
Capacity - TR	26.0	33.6	50.1	71.0	81.2	105.8	142.6	161.4	215.7	253.7
Number of Compressor	ONE						TWO			
Number of Evaporator	ONE									
Number of Condenser	ONE						TWO			
Length - mm	3610	3610	3610	3740	3740	3760	4735	4735	4710	4910
Width - mm	1150	1150	1245	1400	1425	1470	1705	1705	1920	1920
Height - mm	1520	1520	1625	1830	1880	1665	1780	1780	1735	1770
Operating Weight - kg	1610	1725	2030	2735	3070	3745	5135	5200	7225	7565

Models KRISCOOL	2901 LTV	4401 LTV	6001 LTV	7201 LTV	10501 LTV	11901 LTV	12202 LTV	13202 LTV	16602 LTV	20602 LTV	23602 LTV
Capacity - TR	28.9	45.0	60.8	73.4	107.3	121.2	125.1	135.3	170.1	210.8	241.8
Number of Compressor	ONE						TWO				
Number of Evaporator	ONE										
Number of Condenser	ONE						TWO				
Length - mm	3405	3440	3745	3745	3775	3775	4735	4735	4610	4610	4610
Width - mm	1300	1375	1425	1420	1615	1615	2000	2000	2200	2200	2200
Height - mm	1520	1895	1835	1880	2285	2285	1785	1785	1990	2310	2310
Operating Weight - kg	1715	2290	2850	3145	4275	4370	5350	5375	6875	7555	8155

Models KRISCOOL	1201 LLTV	2301 LLTV	3201 LLTV	4601 LLTV	5201 LLTV	6301 LLTV	9002 LLTV	10202 LLTV	12302 LLTV
Capacity - TR	12.0	23.3	31.5	46.7	53.1	63.4	91.5	103.9	125.5
Number of Compressor	ONE						TWO		
Number of Evaporator	ONE								
Number of Condenser	ONE						TWO		
Length - mm	3405	3405	3210	3745	3745	3760	3745	3745	3765
Width - mm	1400	1400	1400	1700	1700	1700	2250	2250	2250
Height - mm	1520	1545	1740	1785	1785	1835	1785	1785	1835
Operating Weight - kg	1430	1735	2075	2545	2840	3180	4560	4855	5545

# PRECISE AND POWERFUL SYSTEM TO MAINTAIN PRODUCT FRESHNESS AND QUALITY



## **Compressor:**

Twin Screw Compressor.  
Semi hermetic.  
Lower starting current.  
Direct Driven compressor for lower maintenance cost.  
Dynamically balanced to minimize operating noise & vibration.  
Silent operation with noise level below 80dB

## **Evaporator:**

Direct Expansion Shell & Tube type.  
Corrosion resistant baffles.  
Better efficiency at part load operation.  
Brine Outlet Temperature up to (-) 40°C.  
Electronic Expansion Valve: To improve overall efficiency, precise temperature control and safe part load operation.  
PHE option can also be given.

## **Condenser:**

Water Cooled Shell & Tube type.  
High efficient Copper Tubes.  
Large heat transfer area.  
Low pressure drop.

## **Economiser:**

Increase cooling capacity and improve the Energy Efficiency Ratio (EER), thereby resulting in Energy Savings.

## **Intelligent Control:**

Kehems's latest generation intelligent microprocessor based control ensures fully coordinated and optimum operation at all conditions with unrivaled precision.  
Components are controlled automatically for continuous operation and set conditions maintained.

## **Numerous safety devices:**

Water flow control, antifreeze protection, phase inversion protection, discharge temperature control, high and low-pressure protection, and anti short cycle safeguard the chiller and extend its life.

**Easy to use ergonomic interface:**

LCD screen displays operating status, parameter readings, temperature, pressure, operating times and a log menu that records faults, the KRISCONTROL interface makes running your system an easy task.

**Pump Control:**

ON/OFF Control for 2 pumps possible.

**Protection to Environment:**

Most environment friendly range using minimized charge of HFC refrigerant R-404a. Approved and accepted International standards.

**OPTIONS:**

BMS Communication: Option available for BMS communication through MODBUS/ BACNET/ ETHERNET/ LON protocol ensuring greater adaptability, remote communication & increased safety.

Chiller Plant Manager: For management up to 8 Chillers.

Evaporator & Condenser Water header.

Kit for Lifting by Crane.

Remote monitoring.

## | Applications

Food products, fresh meats & produce, and stored items require strict environmental conditions for storage. We offer a variety of models with a wide range of temperatures from -5° to -30°C to provide the exact low temperature environment appropriate for each stored item, application, and scale of operation.

Dairy Industry - Pharmaceutical Plants- Petrochemical Products - Chemical Industry - Food Processing - CALMA Cold Storage



Higher  
**Energy**  
Efficiency  
& Lower  
**Operating**  
Costs



## **AIR COOLED SCREW CHILLER**

**30 TR TO 650 TR**



**Energy Efficient**  
**Cost Saving**  
**Free Hot Water (Optional)**

# AIR COOLED SCREW CHILLERS

## | AS/ ASV/ ASVV

Standard Version **AS** High Efficiency Version With **VFD ASV / ASVV**

**Semi Hermetic Twin Screw Compressor Air Cooled Condenser Direct Expansion Shell And Tube Evaporator R-134a Refrigerant.**

**COOLING CAPACITY 30 TR to 550 TR**

## | Application

The KEHEMS's KRISCOOL Air Cooled Screw Chillers are designed for outdoor installation and offer an optimal Solution for any refrigeration application in the **Air Conditioning or Industrial Process.**

## | Options

### **Free Hot Water:**

The Chiller is offered with optional De-super heater for **FREE OF COST HOT WATER GENERATION.**

### **BMS Communication:**

Option available for BMS communication through MODBUS / BACNET / ETHERNET / LON protocol ensuring greater adaptability, remote communication & increased safety.

### **Chiller Plant Manager:**

For management up to 8 Chillers.

### **Soft Starter.**

### **Evaporator Water header.**

### **Kit for Lifting by Crane.**

### **MODELS:(IN EACH RANGE)**

One Refrigerant Circuits: **12 Models**

Two Refrigerant Circuits: **16 Models**

## Technical Specifications

Models KRISCOOL	301 AS	451 AS	501 AS	601 AS	851 AS	1001 AS	1351 AS	1501 AS
Capacity - TR	31.00	42.9	50.60	61.4	84.5	101.7	132.8	151.6
Number of Compressor	ONE							
Number of Evaporator	ONE							
Number of Fans	1	2	2	3	4	4	6	6
Length - mm	2200	2200	2200	2890	2890	2890	4260	4260
Width - mm	1450	1450	1450	2200	2200	2200	2200	2200
Height - mm	2200	2200	2200	2200	2200	2200	2300	2300
Operating Weight - kg	1475	1605	1900	2340	2910	3020	4160	4485

Models KRISCOOL	1651 AS	1801 AS	2001 AS	1352 AS	1502 AS	1802 AS	2102 AS	2302 AS
Capacity - TR	165.5	178.1	202.0	134.8	151.7	181.5	209.5	229.1
Number of Compressor	ONE			TWO				
Number of Evaporator	ONE							
Number of Fans	8	8	8	6	8	8	10	10
Length - mm	5630	5630	5630	4260	5630	5630	6990	6990
Width - mm	2200	2200	2200	2200	2200	2200	2200	2200
Height - mm	2300	2300	2300	2200	2200	2200	2200	2300
Operating Weight - kg	4930	5210	5480	4020	5065	5455	6165	6765

Models KRISCOOL	2552 AS	2852 AS	3002 AS	3252 AS	3502 AS	3802 AS	4052 AS	4352 AS
Capacity - TR	258.3	286.7	303.8	328.6	354.0	380.2	405.9	436.2
Number of Compressor	TWO							
Number of Evaporator	ONE							
Number of Fans	12	12	14	14	16	16	16	18
Length - mm	8360	8360	9730	9730	11100	11100	11100	12470
Width - mm	2200	2200	2200	2200	2200	2200	2200	2200
Height - mm	2300	2300	2300	2300	2300	2300	2300	2300
Operating Weight - kg	7660	7935	9120	9465	10080	10420	10610	11355

## Technical Specifications

Models KRISCOOL	401 ASV/ASVV	501 ASV/ASVV	601 ASV/ASVV	801 ASV/ASVV	1001 ASV/ASVV	1251 ASV/ASVV	1501 ASV/ASVV	1751 ASV/ASVV
Capacity - TR	40.4	50.5	60.6	80.8	101.0	126.2	151.6	176.7
Number of Compressor	ONE							
Number of Evaporator	ONE							
Number of Fans	2	2	3	4	4	6	6	8
Length - mm	2200	2200	2890	2890	2890	4260	4260	5630
Width - mm	1450	1450	2200	2200	2200	2200	2200	2200
Height - mm	2200	2200	2200	2200	2200	2200	2300	2300
Operating Weight - kg	1700	1875	2465	2730	3145	3885	4605	5280

Models KRISCOOL	2001 ASV/ASVV	2251 ASV/ASVV	2501 ASV/ASVV	2751 ASV/ASVV	1252 ASV/ASVV	1502 ASV/ASVV	1752 ASV/ASVV	2002 ASV/ASVV
Capacity - TR	202.1	227.3	252.6	277.8	126.2	151.6	176.7	202.1
Number of Compressor	ONE				TWO			
Number of Evaporator	ONE							
Number of Fans	8	10	10	12	6	8	8	10
Length - mm	5630	6990	6990	8360	4260	5630	5630	6990
Width - mm	2200	2200	2200	2200	2200	2200	2200	2200
Height - mm	2300	2300	2300	2300	2200	2200	2200	2200
Operating Weight - kg	5505	5925	6280	7430	4130	5005	5395	6390

Models KRISCOOL	2252 ASV/ASVV	2502 ASV/ASVV	2752 ASV/ASVV	3002 ASV/ASVV	3252 ASV/ASVV	3502 ASV/ASVV	3752 ASV/ASVV	4002 ASV/ASVV
Capacity - TR	227.2	252.4	277.9	303.0	328.4	353.5	378.7	404.2
Number of Compressor	TWO							
Number of Evaporator	ONE							
Number of Fans	10	12	12	14	14	16	16	16
Length - mm	6990	8360	8360	9730	9730	11100	11100	11100
Width - mm	2200	2200	2200	2200	2200	2200	2200	2200
Height - mm	2200	2300	2300	2300	2300	2300	2300	2300
Operating Weight - kg	6615	7110	7750	8960	9635	10200	10600	10650

Models KRISCOOL	4252 ASV/ASVV	4502 ASV/ASVV	5002 ASV/ASVV	5502 ASV/ASVV
Capacity - TR	429.3	454.5	505.1	555.6
Number of Compressor	TWO			
Number of Evaporator	ONE			
Number of Fans	18	18	20	24
Length - mm	12470	12470	13980	16720
Width - mm	2200	2200	2200	2200
Height - mm	2300	2300	2300	2300
Operating Weight - kg	11350	11580	12810	15700





Higher  
**Energy**  
Efficiency  
& Lower  
**Operating**  
Costs



## **AIR COOLED SCROLL CHILLER WITH INBUILT PUMPING SYSTEM**

**3.5 TR TO 103 TR**

**Energy Efficient  
Compact Design  
Silent operation**



**Reduced Capital Cost**  
**Environment Friendly**  
**Maintenance Free**  
**Excellent After Sales Service**

# ABOUT KRISCOOL MINI

## | What is KRISCOOL MINI?

**Kriscool mini chillers** are highly energy efficient and are perfectly designed to work within extreme tropical weather conditions. Equipped with European and USA origin best quality components, these chillers are designed, manufactured and tested in accordance with international industrial standards. These chillers are operation friendly, easy to install and backed by competent engineering team for operational advantage.

High COP **Kriscool mini chillers** capacity range varies from 3.5 TR to 103 TR. Inherent features like compact design, low noise, safe running and easy maintenance makes the chiller suitable for wide range of applications.

## | Why KRISCOOL MINI?



### ENERGY EFFICIENT

With the energy-efficient technology of the Kriscool Mini, you can improve your Carbon Footprint while still maintaining your comfort level. In fact, installing one 7.5 TR Kriscool Mini air-conditioning system can be equivalent to planting approximately 50 mature trees.



### ERGONOMIC DESIGN

Kriscool Minis are customised, compact, stylish and silent indoor units which are ergonomically designed for the best thermal and acoustic performance.



### INTELLIGENT CONTROL

The Kriscool Mini enjoys fully automated operation through intelligent microprocessor-based controls with flexibility to match individual needs.



### ADVANCED DIGITAL CONTROL SYSTEM

This machine's Digital Control System enables the possibility of connecting with a Remote Terminal. It offers excellent reliability, an ergonomic display, and simple wiring.

## | How it Helps

- Provides **Non-stop** cooling even in the event of **power failures**.
- Maintenance Free operation.
- **Saves electricity costs** by shifting electricity consumption from peak hours to off-peak hours.
- Ensures operationally silent cooling.
- Allows one to condition each individual zone as it is occupied, and as per individual preferences through **advanced zoning capabilities**.
- **Reduces the Capital Cost** of electrical installations and/or Back-up Power Systems.
- **Saves power** with its **energy-efficient** Chiller and Compressor.
- Maintains **better comfort** condition and humidity levels.
- **Assures reliability** with its high-specification, worry-free design and function.
- **Allows installation in phases** while keeping the efficiency advantage of a central system.

## Applications

Since inception in 1993, Kehems has been successful in setting up cost-effective and energy-efficient cooling and heating solutions for numerous clients spanning a wide array of industries.

- **Hospitality**  
Luxury Hotels | Service Apartments | Restaurants | Pubs & Bars
- **Business**  
Commercial Complexes | Offices | IT parks
- **Healthcare & Wellness**  
Hospitals | Nursing Homes | Gyms | Spas
- **Education**  
Schools | Colleges | Institutes
- **Residential**  
Towers | Luxury Villas | Second Homes
- **Retail**  
Malls | Showrooms | Shops
- **Industry**  
Pharmaceutical | Plastic | Engineering | Processing Plants

## Equipped with Modern Control:

### Central Plant Control

- Electrical Control & Safety Devices For Each Equipment Like Condenser, Fans Etc. With Functions Like Pump Management, Chilled Water System Control And Tes Control.
- Possibility Of Connection With Remote Terminal.

### Provision Of Terminal Unit Control

- Wired Controls
- Wireless Controls



## Equipped with Modern Control:

- High COPs up to 3.5.
- Excellent Part Load Efficiency.
- Low Starting Current.
- Complete Hydraulic system with Inbuilt Pump, Piping, Pump Starter panel with automatic pump control, Inbuilt isolation valves, Strainer and Piping.
- Fan discharge at top.
- Less space requirement.
- Flexible system for operation- connect small outdoor units to large number of indoor units.
- Improved comfort- user specific cooling & controlled humidity levels.
- Modular Installation- efficiency advantage of central system.

# TYPES OF COMPATIBLE UNITS

## Compatible with Chilled Water Indoor Units & AHU'S

To complement the new innovative range of air cooled chillers, **KRISCOOL** is offering an extensive range of chilled water fan coil units that will meet most of indoor application requirements covering residential, commercial and industrial. The aesthetically designed fan coil units such as Hi Wall, One Way Cassette etc, blend easily to any interior.



## High Efficiency Scroll Compressor:

All new range of Microprocessor controlled, Kehems's Air Cooled Scroll Chiller features

- **Wide Range of Models**  
Wide range of models, starting from 3.5 TR to 103 TR.
- **Energy Efficient**  
The reliable and time tested imported Scroll Compressors are highly energy efficient and this results in lower power bills.
- **Quiet Operation**  
The Scroll Compressors and Condenser fans are designed for quiet operation, ensuring least disturbance.
- **Capacity Modulation**  
VFD provides continuous & step less capacity control which provide precise temperature control and effective power saving.
- **Easy & Quick Installation**  
Factory pre-wired, fully charged and run tested, these Chillers are ready to install and start up.
- **Designed for high ambient temperature**  
Kehems chillers are designed to operate at ambient temperatures, as high as 48°C, come across in most cities.
- **Total Reliability**  
Prior to dispatch these factory wired, charged and tested, chillers are highly reliable.
- **Lower electrical Infrastructure Cost**  
Multiple compressor & VFD models have lower starting current. Therefore, switchgear, transformers and generators need not be up sized, saving initial capital costs.

# AIR COOLED SCROLL MINI CHILLERS

## | C/ ASLVH

Scroll compressor air cooled condenser high efficiency evaporator R-410a refrigerant.

**COOLING CAPACITY 3.5 TR to 103 TR**

## | Application

The latest KEHEMS's KRISCOOLmini system to give you Non-Stop Cooling.

The system is designed for outdoor installation and offers an optimal Solution for any **air conditioning** application like-

- Hospitality – Hotels / Serviced Apartment / Restaurant / Pubs and Bars
- Commercial Complexes / Offices / IT Parks
- Healthcare and Wellness centers
- Educational Institutions
- Residences – Towers / Luxury Villas / Weekend Homes
- Retail – Malls / Showrooms / Shops

The KRISCOOLmini system designed with a single or multiple compressors can be connected with multiple indoor units combined with a sophisticated electronic control center to enable zone wise customized cooling that is non-stop.

## | Technical Specifications

Models KRISCOOL MINI II	MINI II 35 C	MINI II 55 C	MINI II 80 C	MINI II 100 C	MINI II 120 C	MINI II 160 C	MINI II 8080 C	
Capacity - TR	3.5	5.5	8.0	10.0	12.0	15.8	16.0	
Number of Compressor	ONE						TWO	
Number of Evaporator	ONE							
Number of Fans	1	2	3	3	4	4	4	
Length - mm	1240	1240	1240	1240	1850	1850	1850	
Width - mm	550	550	550	550	750	750	750	
Height - mm	725	1070	1580	1850	1580	1850	1850	
Operating Weight - kg	185	215	290	316	380	470	470	

Operating Ambient temperature Range 15° C to 45° C. Dimensions are subject to change.

# Technical Specifications

Models KRISCOOL	181 ASLVH	221 ASLVH	261 ASLVH	351 ASLVH	481 ASLVH	551 ASLVH
Capacity - TR	16.5	19.7	25	32.5	43	50.5
Number of Compressor	ONE					
Number of Evaporator	ONE					
Number of Fans	2	2	3	4	2	2
Length - mm	2200	2200	2200	2200	2200	2200
Width - mm	1450	1450	1450	1450	1450	1450
Height - mm	1900	1900	1900	1900	1900	1900
Operating Weight - kg	880	885	900	980	1100	1160

Models KRISCOOL	702 ASLVH	802 ASLVH	902 ASLVH	1002 ASLVH	1102 ASLVH
Capacity - TR	64.2	73.5	86.5	94	103.5
Number of Compressor	TWO				
Number of Evaporator	ONE				
Number of Fans	3	3	4	4	4
Length - mm	2890	2890	2890	2890	2890
Width - mm	2200	2200	2200	2200	2200
Height - mm	1900	1900	1900	1900	1900
Operating Weight - kg	1670	1730	1800.4	1820	1920

Operating Ambient temperature Range 15° C to 45° C. Dimensions are subject to change.





## KRISSEV

KEHEMS SERVICES

*Partner in Excellence in Services*

INSTALLATION - COMMISSIONING  
TROUBLE SHOOTING - MAINTENANCE - OPERATIONS



*“Keeping customer at center of our Vision, Mission & every activity is core value of Kehems Technologies”*



## KEHEMS TECHNOLOGIES PVT LTD

**Works:** Village Umrikheda, 12th KM on  
Indore-Khandwa Road,  
Indore - 452020 (M.P.) India  
**Ph. No.:** (0731)4228333

**City Office:** 4-B, BCM City, 'C' Block,  
5th Floor, Navlakha Square,  
Indore - 452001 (M.P.) India  
**Ph. No.:** (0731)2402624

**E-Mail:** sales@kehems.com  
**Website:** www.kehems.com

## Regional Presence

### CENTRAL REGION

**INDORE:**  
4B, BCM City, 'C' Block, 5<sup>th</sup> Floor,  
Navlakha Square, A. B. Road,  
Indore-452001 (MP)  
Ph. No : (0731) 4228 333/ 306  
E-Mail : sales@kehems.com

**AHMEDABAD:**  
A-307, Infinity Tower, nr. Ramada  
Hotel, Corporate Road,  
Prahadnagar, Ahmedabad-380015  
Mob : +91 90999 14988  
E-Mail : ahmchillers@kehems.com  
**RESIDENT SALES SERVICE ENGINEERS**

**JAIPUR:**  
Mob : +91 70144 42669

**VADODARA:**  
Mob : +91 92850 04912

**UDAIPUR**  
Mob : +91 8839301219

### SOUTHERN REGION

**BANGALORE:**  
Office No. T-01 Third Floor,  
Smart Avenue 28 Residency  
Road, Bangalore-560075  
Ph. No : (080) 4113 0159  
E-Mail : bangalore@kehems.com

**RESIDENT SALES SERVICE ENGINEERS**

**HYDERABAD:**  
Mob : +91 98497 84300  
E-Mail : hyerabadsales@kehems.com

**CHENNAI:**  
Mob.: +91 99448 93628  
E-Mail: chennai@kehems.com

**KOCHI:**  
Mob : +91 97456 48222  
E-Mail : salescochi@kehems.com

### WESTERN REGION

**MUMBAI:**  
B-23, Monica, 2nd Floor, J.P. Road,  
Andheri (W) Mumbai-400058  
Ph. No : (022) 2623 6858  
(022) 2624 1042  
E-Mail : mumbai@kehems.com

**PUNE:**  
Flat No. 16-17, Ground Floor,  
Building 'F', Hari Parva Residency,  
Grime Bagh, Solapur Road,  
Pune-411013  
Mob : +91 87930 42798  
E-Mail : pune@kehems.com

### EASTERN REGION

**KOLKATA:**  
21/B Rajani Sen Road,  
Kolkata 700026 (WB)  
Mob : 91 9051282626  
E-Mail : kolkata@kehems.com

### NORTHERN REGION

**DELHI/NCR:**  
D-193, Sector-10, Noida-201301  
Ph. No : (120) 424 7934  
(120) 424 7935  
E-Mail : delhi@kehems.com

