



Outdoor Chillers

PACKAGED AIR-COOLED

Accuchiller **KSE**

Where water
means business.



Accuchiller KSE

Scroll Compressor

Dual Refrigeration Circuit, 40 to 60 tons

Dual Fluid & Refrigeration Circuit, 80 to 120 tons

CONNEX4.0

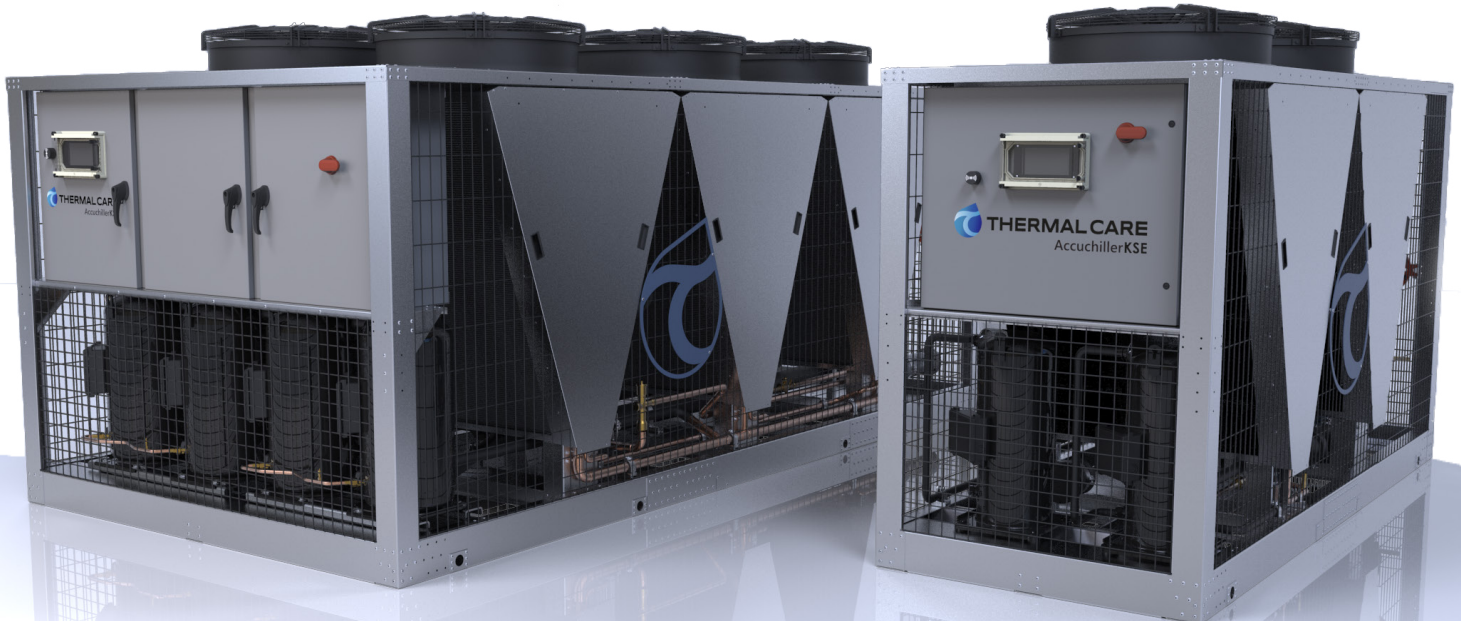
Available CONNEX4.0 capable for remote monitoring and multi-unit system control

Reliable

Direct drive scroll compressors for low maintenance and energy efficiency

Dynamic Lift

Adaptable control technology for increased part-load efficiency with automatic lead/lag sequencing



KSE Dual Fluid & Refrigeration Circuit (80 to 120 tons)

KSE Dual Refrigeration Circuit (40 to 60 tons)

Wide Operating Conditions

Ambient Environment: **-20°F to 125°F**
Set Point Range: **20°F to 80°F**

Easy Installation

Available integral reservoir with dedicated standby pump and VFDs for quick and easy installation

Compact Design

Easy to locate at your facility with modular design for easy system expansion up to 480 tons of cooling

Advanced PLC

System with large color touch screen for precise control and remote monitoring

Corrosion Resistant

Stainless steel pump and brazed plate evaporators for efficiency and corrosion resistance

Variable Speed EC Fans

High-efficiency EC fan motors maintain refrigerant head pressure and quiet operation

Premium Control Panel

C-UL 508A industrial control panel with high-quality components that are safe and built to last

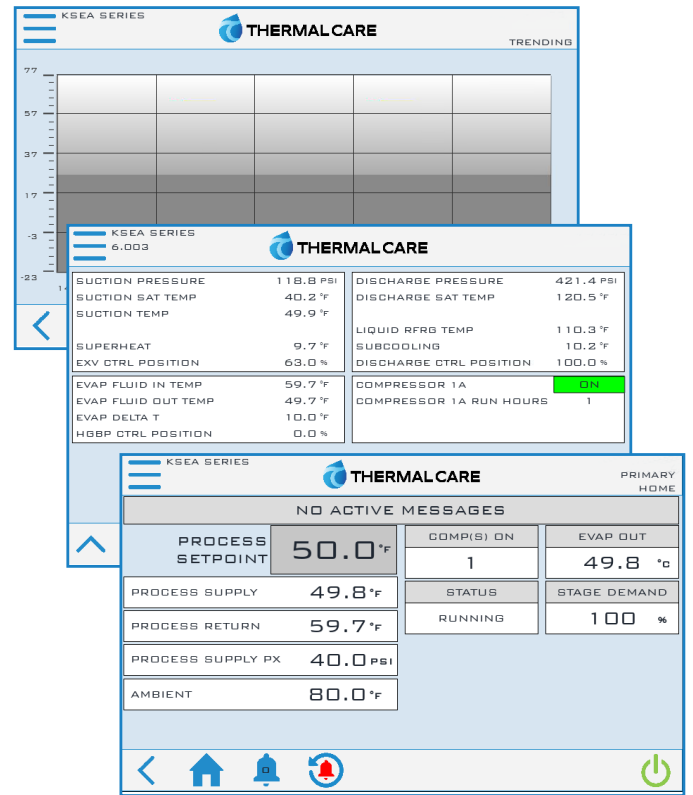
Easy-to-Operate Control System: CONNEX4.0 Ready

Each outdoor chiller offers advanced controls that are easy to access, view and operate.

The PLC control has a large temperature display, easy-to-use operator interface and includes clear text indication of operating and diagnostic information. A durable color touch-screen HMI displays a variety of operational screens for an uncomplicated view of the system.

Features include:

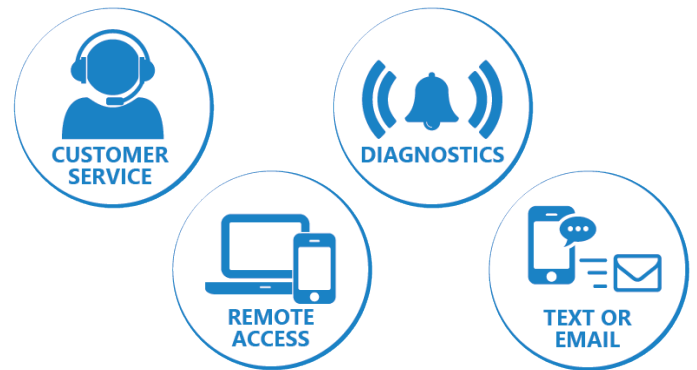
- 7-inch LCD color touch screen
- Remote monitoring from any computer or mobile phone
- Expandable multiple chiller control
- Controls including Alarm Status, Compressor Staging, Remote Start/Stop, and more
- Extensive diagnostic capabilities
- Communication options include: OPC/UA, ModBus RTU, ModBus TCP/IP, BACnet MS/TP, BACnet/IP and LonWorks



KSE Series Standard & Premium Diagnostics

What CONNEX4.0 Will Do For You Provides integrated connectivity options and secure remote access for all of your equipment.

CONNEX4.0 provides secure remote access and control to all connected equipment so you can have confidence your process is running smoothly no matter where you are. Plus, alarms or warnings are in real time to help you respond quickly in scheduling maintenance for added peace of mind.

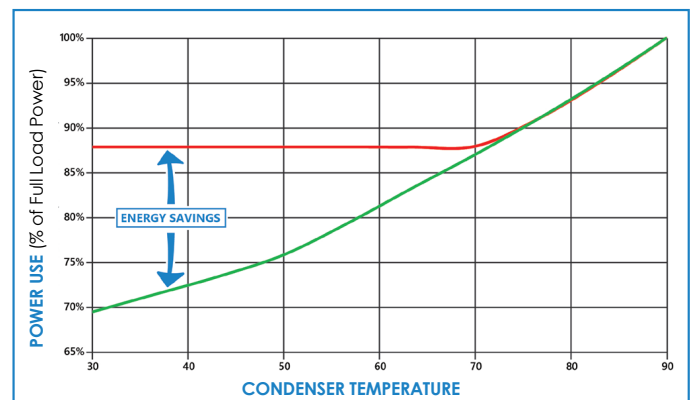


Dynamic Lift Controls

Continuously calculates the lowest refrigerant pressure for any combination of operating conditions for maximized energy savings.

The energy savings from a chiller with our **Dynamic Lift** technology are significantly higher than a conventional chiller.

- Conventional Chiller
- Chiller with **Dynamic Lift** technology



Our sales and support teams are ready!
Give us a call today: 847-966-2260

THERMAL CARE is the industry expert and value leader in process cooling solutions. Built on over 50 years of experience and backed by an unmatched sales and support network, **THERMAL CARE is the name that says it all.**



Our History

Starting in 1969, THERMAL CARE continues to be on the leading edge of process cooling technology with energy saving and cost efficient product designs. While providing heat transfer equipment to more than 50 industries, THERMAL CARE specializes in meeting the specific needs of all customers by offering both standard and custom designed industrial process cooling solutions.

Whether you need a portable chiller, a plant-wide system, or help troubleshooting a problem, THERMAL CARE is here to help you through every step of the process.



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Customer Support

Our customer service reps are trained technicians that can promptly diagnose a problem over the phone. They have direct access to information about all of your equipment including bills of material, CAD drawings, and equipment service history through our database. If a plant visit is needed, THERMAL CARE has an extensive network of service companies that can usually provide same day service.

Our parts department has over \$8.4 million in parts inventory ready to ship.



THERMAL CARE is ISO 9001 Certified

Manufacturer reserves the right to change specifications or design without notice or obligation.