



# THERMALCARE

Superior equipment, Exceptional service

## Central Chillers

WATER OR REMOTE AIR COOLED CONDENSERS

Accuchiller TC  
Accuchiller TCF  
Accuchiller TSE  
Accuchiller MX



Where water means business.

## The THERMAL CARE Central Chiller Family

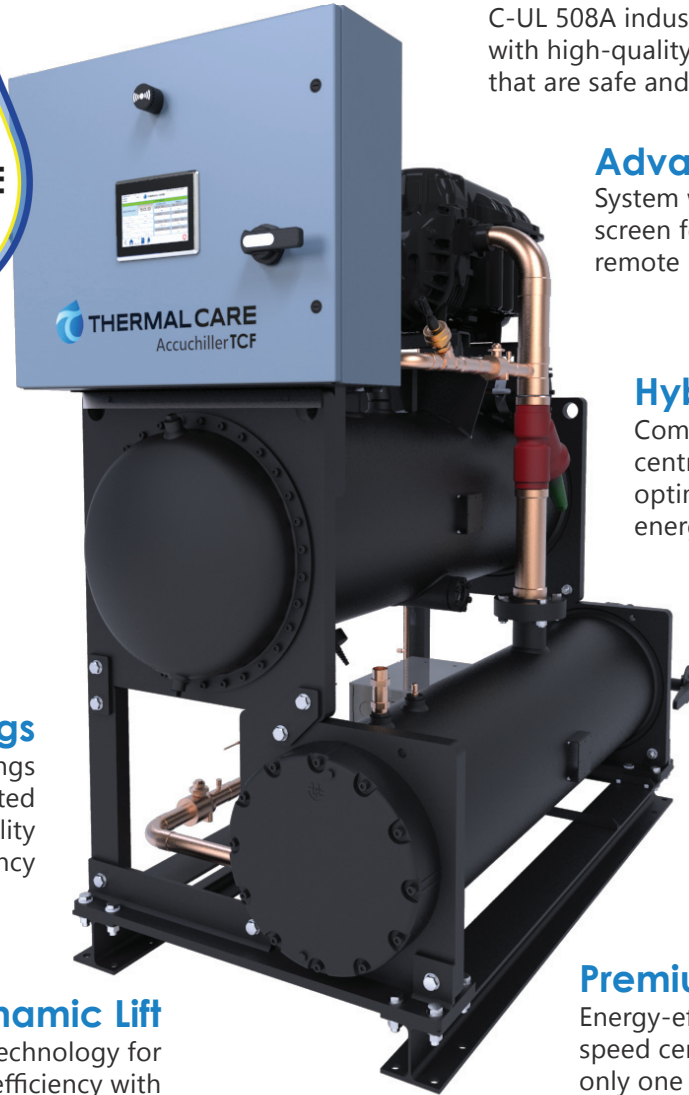
THERMAL CARE offers a suite of efficient, reliable, and modular central chillers.

### Accuchiller TCF

Hybrid Film Evaporator with Variable Speed Centrifugal Compressor

Water-Cooled Single Circuit

Single Circuit 40 to 120 tons



#### Premium Control Panel

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

#### Advanced PLC

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

#### Hybrid Film Evaporator

Combined with a variable speed centrifugal compressor delivers optimum full and part-load energy efficiencies

#### Oil Free Operation

Eliminates oil management system and related costs

#### Premium Efficiency

Energy-efficient, oil-free, variable-speed centrifugal compressors with only one major moving part - the compressor shaft

#### CONNEX4.0

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

#### Magnetic Bearings

Frictionless magnetic bearings deliver unprecedented compressor reliability and efficiency

#### Dynamic Lift

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

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

# Accuchiller TC

## Variable Speed Centrifugal Compressor

Single Circuit 30 to 120 tons

Dual Circuit 30 to 240 tons

### CONNEX4.0

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

### Advanced PLC

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

### Corrosion Resistant

Stainless steel brazed plate evaporators for efficiency and corrosion resistance

### Dynamic Lift

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

### Premium Control Panel

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

### Magnetic Bearings

Frictionless magnetic bearings deliver unprecedented compressor reliability and efficiency

### Oil Free Operation

Eliminates oil management system and related costs

### High Efficiency

Energy-efficient, oil-free, variable-speed centrifugal compressors with only one major moving part - the compressor shaft



**Powerful, flexible,  
and efficient**

# Accuchiller TSE

## Scroll Compressor

Single Circuit 10 to 120 tons

Dual Circuit 20 to 240 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



TSE Dual Circuit with Tank

TSE Single Circuit Tandem

TSE Single Circuit Trio

### Advanced PLC

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

### Premium Control Panel

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

### Compact Design

Easy to locate in your facility with modular design for easy expansion for systems up to 1,500 tons of cooling

### Easy Installation

Available integral stainless reservoirs with dedicated standby pumps and VFDs for quick and easy installation

### Corrosion Resistant

Stainless steel brazed plate evaporators for efficiency and corrosion resistance

UP TO  
**42%**  
ENERGY  
SAVINGS

# Accuchiller MX

Rotary Screw Compressor  
50 to 125 tons

## CONNEX4.0

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

## Advanced PLC

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

## Compact Design

Easy to locate in your facility with modular design for easy expansion for systems up to 750 tons chilling capacity

## Premium Control Panel

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

## Dynamic Lift

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

## Reliable

Direct drive rotary screw compressors with integral oil separator and filter

## Corrosion Resistant

Stainless steel brazed plate evaporators for efficiency and corrosion resistance



**Dependable, modular,  
and expandable**

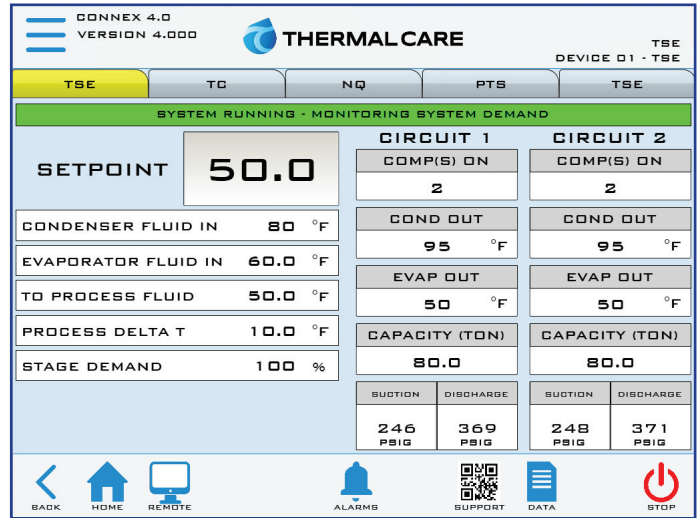
## Advanced PLC Control System - CONNEX4.0 Ready

Each PLC communicates with THERMAL CARE’s plant-wide central monitoring system.

The PLC controls, monitors, and maintains stable and reliable operation of the pumping system. A durable color touch-screen HMI displays a variety of operational screens for an uncomplicated view of the system, including time stamped faults or alarms and compressor and pump hours.

**Features include:**

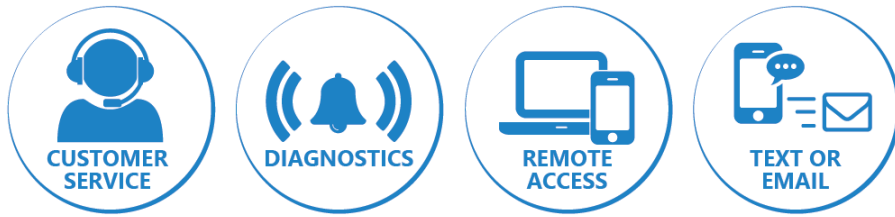
- LCD color touch screens
- Remote monitoring from any computer or mobile phone
- Expandable multiple chiller control
- Controls including Alarm Status, Compressor Staging, Remote Start/Stop, and more



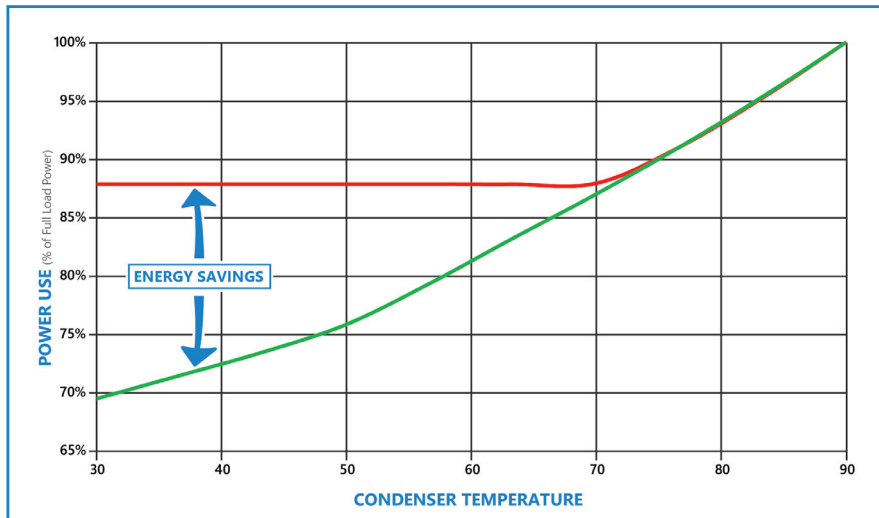
Available CONNEX4.0 Main Screen

## What CONNEX4.0 will do for you

Integrated connectivity 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

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 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.

## 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 computer 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 a large inventory of available parts enabling us to have 99.5% same day shipments.



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**THERMAL CARE is ISO 9001 Certified**  
Manufacturer reserves the right to change specifications  
or design without notice or obligation.

Lit 112.1