



# Ice Rink Chillers

CENTRAL WATER COOLED  
Accuchiller TCFW375



Where water  
means business.

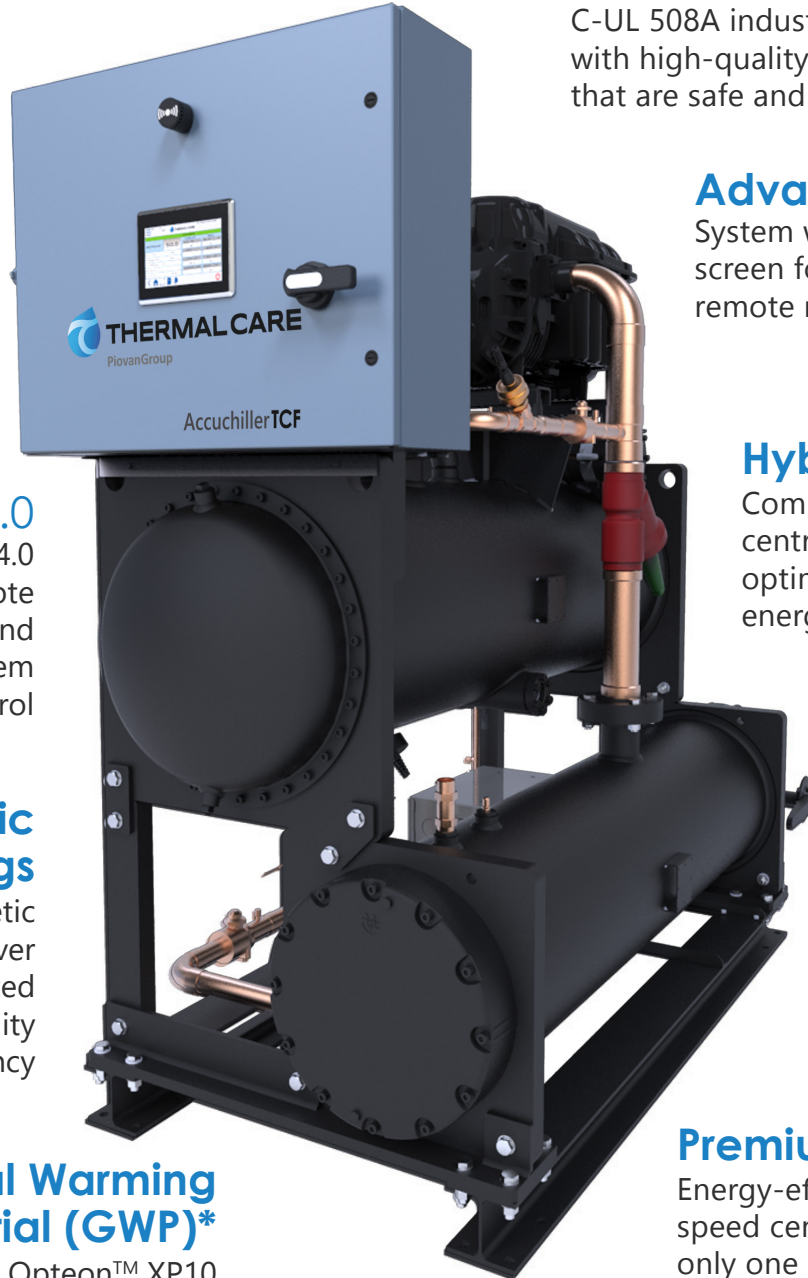


# Accuchiller TCFW375

Hybrid Film Evaporator with Variable Speed Centrifugal Compressor

Water-Cooled Single Circuit

Single Circuit, 50 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

## Lower Global Warming Potential (GWP)\*

Featuring Opteon™ XP10 (R-513A) Refrigerant



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

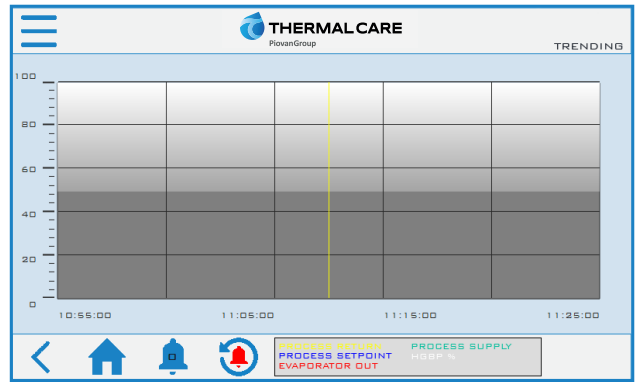
## Easy-to-Operate Control System: CONNEX4.0 Ready

Each 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: ModBus RTU, ModBus TCP/IP, BACnet MS/TP, BACnet/IP and LonWorks



SUCTION PRESSURE		DISCHARGE PRESSURE	
SUCTION SAT TEMP	100.0 PSI	DISCHARGE SAT TEMP	100.0 PSI
SUCTION TEMP	60.0 °F	DISCHARGE TEMP	60.0 °F
SUPERHEAT	40.0 °F	LIQUID RFRG TEMP	60.0 °F
EXV CTRL POSITION	10.0 °F	SUBCOOLING	10.0 °F
	64.3 %	DISCHARGE CTRL POSITION	85.0 %
EVAP FLUID IN TEMP	59.7 °F	COMPRESSOR 1A	ON
EVAP FLUID OUT TEMP	49.8 °F	COMPRESSOR 1A RUN HOURS	13
EVAP DELTA T	10.0 °F	COMPRESSOR 1B	OFF
HGBR CTRL POSITION	0.0 %	COMPRESSOR 1B RUN HOURS	16
REQUESTED SPEED	3500 RPM	FAN 1	13 ON
ACTUAL SPEED	3500 RPM	FAN 2	10 ON
COMMUNICATIONS	GOOD	FAN 3	7 OFF

## 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.

NO ACTIVE MESSAGES		COMP(S) ON		EVAP OUT	
PROCESS SETPOINT	10.0 °F	1		10.3 °F	
PROCESS SUPPLY	10.3 °F	STATUS		STAGE DEMAND	
PROCESS RETURN	13.4 °F	RUNNING		100 %	
PROCESS SUPPLY PX	40.0 PSI				
AMBIENT	80.0 °F				

TCFW375 Series Standard & Premium Diagnostics



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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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[www.thermalcare.com](http://www.thermalcare.com)

## 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.