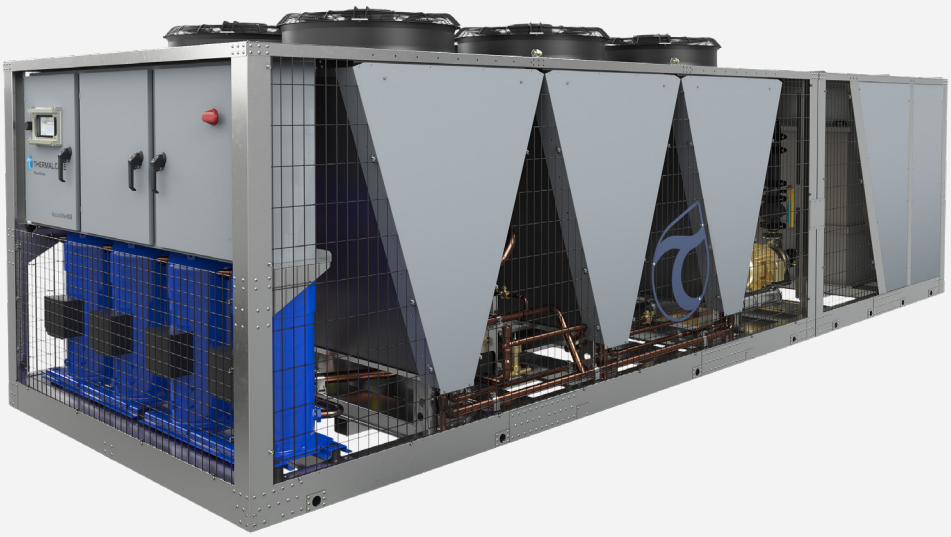
Accuchiller

KSE Series with Integral Tank



Delivers unmatched accuracy and lasting performance

Intuitive PLC control with a user-friendly text display

Proven reliability for low maintenance and high efficiency

PACKAGED OUTDOOR CHILLER WITH INTEGRAL TANK

Dual Refrigeration Circuit
40 to 60 tons (141 to 211 kW)

Dual Fluid & Refrigeration Circuit
80 to 120 tons (281 to 422 kW)

Accuchiller KSE Series outdoor chillers with integral tank feature a compact, all-in-one package, designed to minimize installation cost, maximize usable space and lower electric bills. Designed for harsh outdoor environments, KSE Series chillers require no options to operate within the standard -20°F to 125°F (-29°C to 52°C) ambient environment conditions. Standard process fluid temperatures of 20°F to 80°F (-7°C to 27°C) are ideal for industrial applications. The modular design allows up to 12 refrigeration circuits to be combined into a single system for up to 720 tons (2,532 kW) of cooling capacity.

KSE Series chillers with tank integrate a chiller with a complete process pumping system and integral reservoir in one packaged. Chiller and tank section ship separately for your convenience but are prewired and pre-piped for easy connection. Chillers are available with pumping packages, including high and low pressure pumping with dedicated standby and built-in pressurized tanks.

KSE Series chillers come standard with Dynamic Lift technology to continuously calculate the lowest allowable refrigerant pressure for any combination of operating conditions to maximize chiller energy savings and to provide stable process fluid temperatures of +/- 2°F (1.1°C).

LOW GWP REFRIGERANT
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PACKAGED OUTDOOR CHILLER WITH INTEGRAL TANK

Refrigerant Options	EPA approved low GWP R-454B refrigerant or energy efficient R-410A refrigerant.
Direct Drive Scroll Compressors	Hermetically sealed scroll compressors with proven performance in industrial cooling for reliable, low maintenance and efficient operation.
Built-In Redundancy	Dual refrigeration circuits with multiple compressors and lead/lag sequencing as standard. The 80 ton (281 kW) to 120 ton (422 kW) units incorporate independent process fluid circuits.
Integral Tank	Integrates a chiller with a complete process pumping system and integral reservoir in one package (chiller and tank section ship separately). Provides buffer for temperature stabilization.
Stainless Steel Evaporators	High-efficiency stainless steel plates with copper brazing provide maximum performance, long life, and an enhanced level of protection from harsh process conditions.
Stainless Steel Pumps	Selected for peak performance with the utmost in corrosion protection to ensure a long useful life under severe industrial conditions. Each pump uses TEFC motors for maximum protection from the environment.
Evaporator Inlet Strainer	Removes any debris present in the process fluid to prevent costly downtime and repair due to a clogged chiller evaporator.
Industry Best Ambient Temperature Range	Outdoor air-cooled chillers operate in -20°F up to 125°F (-29°C to 52°C) ambient temperatures allowing installations in many climates.
Flexible Set Point Range	From 20°F to 80°F (-7°C to 27°C). Powerful and innovate PLC control maintains stable +/- 2°F (1.1°C) accuracy.
Heavy Gauge Security and Hail Guard Grates	Industrial grade security screens are provided as a standard option to protect exposed components while still allowing access for easy operation.
Compressor Protection Technology	Uses start-to-start anti-recycle control logic to limit cycling under low-load operating conditions to extend compressor life.
Compressor and Pump Run Hour Displays	Track usage for maintenance scheduling.
Micro-Channel, Aluminum Condensers	Energy efficient, compact design uses less refrigerant and withstands high pressure spray for easy cleaning.
Power Monitor	Protects the compressor and pump from extensive damage due to loss of phase or phase reversal in the main supply.
Variable Speed EC Fan Motors	Ensure energy efficient operation and lowest possible noise levels. Coupled with electronic expansion valves, our Dynamic Lift Technology uses the fans to maximize energy efficiency for all ambient conditions.
Temperature Deviation Warnings and Alarms	Alerts notify the operator of potential temperature fluctuations before a fault occurs, and if the condition gets worse, stops the chiller to prevent damage.
Adjustable Deviation Alarm Time Delays	Delays alarms on start-up to allow the process loop to stabilize before activating the alarms.
24 VDC Power Supply	Ensures dependable control circuit power and isolates the control circuit from static interference for stable and precise operation.
UL-508A Industrial Control Panel	Meet rigorous UL 508A standards for safe, reliable operation.
7-Inch Color Touch Screen	Controls, monitors and maintains stable and reliable chiller operation.
Warranty	1 year parts and labor.

MANUFACTURED WITH PRIDE

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