

# The ALDrive Chiller

A BATTERY THERMAL  
MANAGEMENT SOLUTION

MEDATECH  
**ALDRIVE**





# Take the guesswork out of cooling

High-voltage batteries work best at the right temperature. Introducing the ALTDRIVE Chiller, a battery thermal management unit (BTMU) for heavy mobile equipment.

- Plug-and-play for easy installation
- CAN-based control system
- Seamless communication with J1939 systems
- Place condenser remotely to enable consistent airflow

MEDATech's ALTDRIVE division has been developing battery-electric drivetrains and associated equipment for over 10 years. You'll find our systems in virtually all kinds of heavy equipment, from mining to construction.

*Travel farther. With more power.  
For years longer.*

# Optimize battery life

## Precise cooling

Get the precision cooling you require and tie temperature and/or (optional) pressure monitoring into vehicle control systems.

## Optimized battery life

The ALTDRIve Chiller extends battery life by monitoring coolant temperatures and keeping them within the proper limits.

## Easy installation

A remote condenser and plug-and-play installation make new installs and retrofits a snap.

## Customization

One-size-fits-all has never been our approach. Need a custom size, a software solution or help with installation? Let us know.

## A true partner

ALTDRIve develops, services and upgrades the EV solutions that our customers need. Want a partner for life? That's our goal.



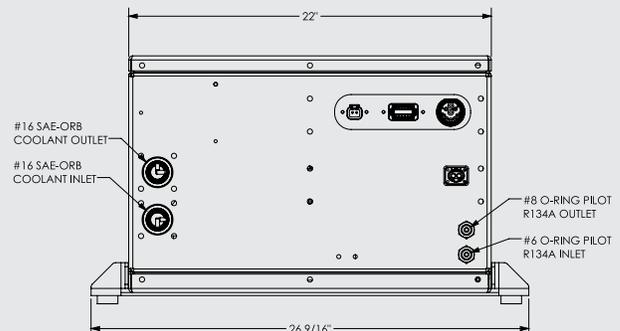
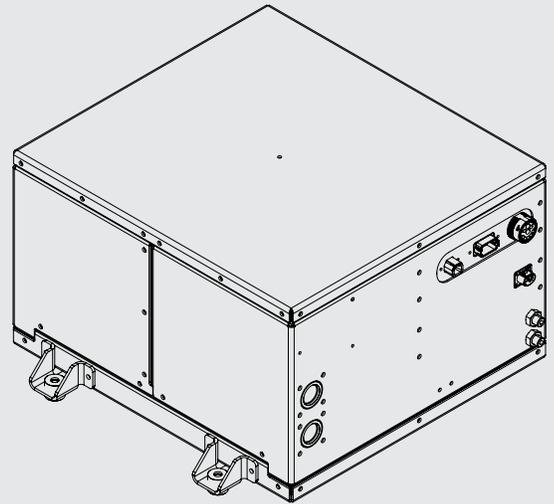
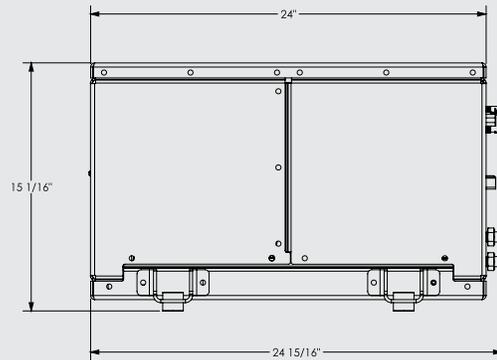
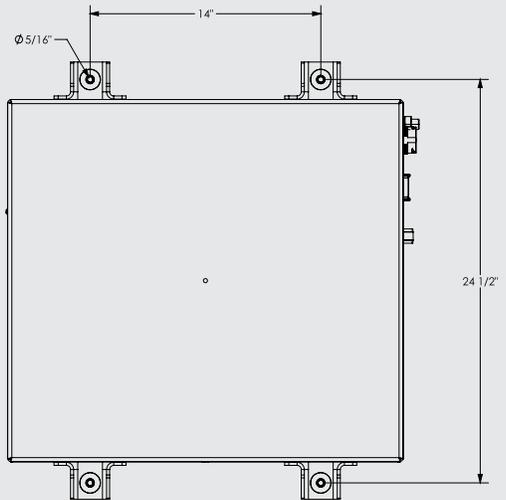
# Specifications

## Compact & lightweight

- Dimensions:  
25" long x 26.5" wide x 15" high
- Weight: 105 lbs

## System specifications

- J1939 / CAN-based control
- 750VDC HV input / 24VDC LV input
- Max heat rejection: 7.5 kW
- Max Flow @ Pressure: 80 LPM @ 1 bar
- Min Coolant Temperature out: 15 °C
- Max Ambient Operating Temp: 40 °C
- Min Ambient Operating Temp: -40 °C



# About ALDrive



**ALDrive is a division of MEDATech, a 35-person team of engineers, technicians, operators and mechanics.**

Our main deliverable is battery-electric powertrain systems that replace internal combustion engines in heavy equipment,

from haul trucks to light rail. ALDrive is in daily use in industrial equipment around the world, delivering significant cost and environmental savings.

The ALDRIVE battery-electric powertrain can be supplied as a turnkey solution or as an assisted integration. Our engineers are here to do the heavy lifting; you only need to provide a duty cycle and adapt the customized powertrain to your equipment.

## Our Clients





Power of the  
Tadpole  
**W**  
WESTERN STAR™

**W**

**W**

**W**

**MEDATech Head Office**  
35 Sanford Fleming Dr.  
Collingwood, ON L9Y 5A6  
1(705) 443-8440

[medatech.ca/altdrive](https://medatech.ca/altdrive)

MEDATECH  
**ALTDRIIVE**

Serving customers worldwide 