

AMERICAN **THERMAL** SYSTEMS

ENGINEERED COOLING SOLUTIONS

for Commercial & Industrial Applications

EVAPORATORS • CONDENSING UNITS • UNIT COOLERS • ICE MERCHANDISERS

Reliable. **Efficient.** *Built for Performance.*



+1 (800) 396-1480



americanthermalsystems.com

TABLE OF CONTENTS

01	COMPANY OVERVIEW	3
02	CONDENSING UNITS	4
03	EVAPORATORS	9
04	ICE COOLERS	12
05	WARRANTY & SUPPORT	14
06	CONTACT & QUOTE REQUEST ...	15

COMPANY OVERVIEW

American Thermal Systems is a trusted manufacturer and supplier of commercial and industrial refrigeration solutions, delivering high-performance equipment designed for reliability, efficiency, and long-term operation.

As a parent company, American Thermal Systems brings together specialized product lines under two core brands:



Smart Air represents our advanced line of evaporator systems, engineered to deliver superior airflow, efficient heat exchange, and consistent temperature control. Designed for both medium and low temperature applications, Smart Air evaporators are ideal for walk-in coolers, freezers, and large-scale refrigeration environments.



Smart Box is our dedicated line of condensing units, Engineered to deliver dependable refrigeration performance in demanding commercial environments. across a wide range of commercial refrigeration applications. Designed with durability, energy efficiency, and ease of maintenance in mind, Smart Box systems are trusted for both medium and low temperature environments.

Engineering & Performance

American Thermal Systems products are designed with a focus on durability, energy efficiency, and long-term reliability. Our systems are engineered to meet the performance demands of commercial refrigeration environments while simplifying installation and maintenance for contractors and facility operators.

Industries We Serve

- Food service & restaurants
- Cold storage & warehousing
- Distribution centers
- Retail refrigeration
- Industrial processing

Why Choose Us

- Engineered for commercial reliability
- Energy-efficient refrigeration solutions
- Medium & low temperature applications
- Heavy-duty commercial construction
- Optimized airflow & heat transfer

CONDENSING UNITS

PRODUCT OVERVIEW

Our condensing units are built to deliver reliable cooling performance across a wide range of commercial refrigeration applications. Designed for both medium and low temperature environments, these systems provide efficient heat rejection, durability, and consistent operation.

Applications Include:

- Walk-in coolers
- Walk-in freezers
- Cold storage rooms
- Food service operations
- Convenience stores
- Beverage storage

MODEL KEY

CU – MT – AC – 09

| | | |

Condensing Medium Air Horsepower
Unit Temperature Cooled Reference

CODE	MEANING
CU	Condensing Unit
MT	Medium Temperature
LT	Low Temperature
AC	Air Cooled
NUMBER	Horsepower Reference

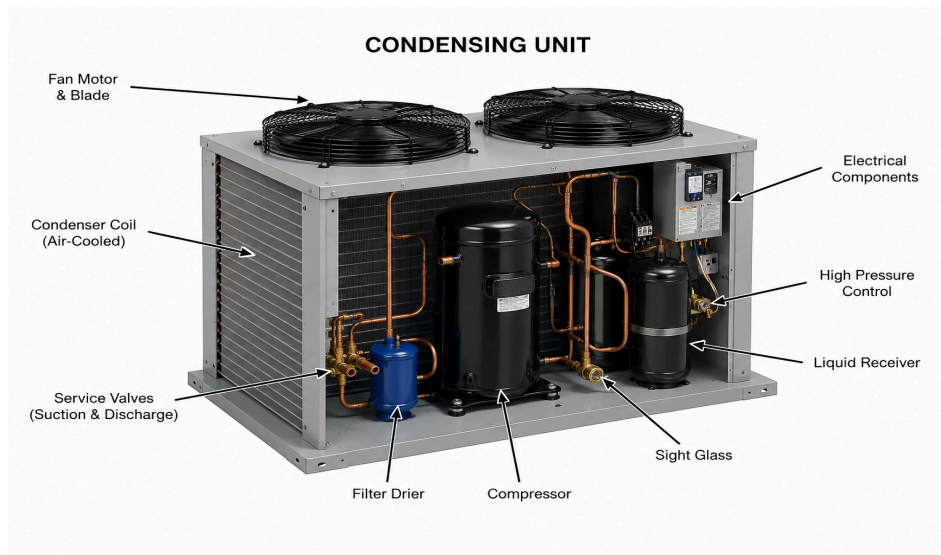


● Air Cooled Condensing Units

CU-MT-AC & CU-LT-AC Series

Designed for reliable and efficient cooling performance, air-cooled condensing units provide consistent temperature control for commercial refrigeration applications.

The **Smart Box™ Air-Cooled Condensing Unit Series** is engineered for walk-in coolers and medium temperature environments. Built with high-quality components and optimized airflow design, these units deliver dependable performance, energy efficiency, and long service life across a wide range of applications.



Standard Features

- Heavy-duty powder-coated cabinet construction
- High-efficiency condenser coils
- Optimized airflow fan design
- Service-friendly electrical compartment
- Durable hermetic and scroll compressor options
- Corrosion-resistant components

Typical Applications

- Walk-in coolers
- Walk-in freezers
- Restaurants
- Grocery stores
- Food distribution
- Beverage cooling

Model	Temp Range	Capacity (HP)	Voltage	Cooling Method	Compressor Type	Dimensions
CU-MT-AC-09	28–40°F	0.75 HP	208-230V	Air-Cooled	Hermetic	30 x 22 x 24
CU-MT-AC-12	28–40°F	1 HP	208-230V	Air-Cooled	Hermetic	32 x 24 x 26
CU-MT-AC-18	28–40°F	1.5 HP	208-230V	Air-Cooled	Scroll	36 x 26 x 28
CU-MT-AC-24	28–40°F	2 HP	208-230V	Air-Cooled	Scroll	40 x 28 x 30
CU-MT-AC-30	28–40°F	2.5 HP	208-230V	Air-Cooled	Scroll	44 x 30 x 32
CU-MT-AC-36	28–40°F	3 HP	208-230V	Air-Cooled	Scroll	48 x 32 x 34
CU-MT-AC-42	28–40°F	3.5 HP	460V	Air-Cooled	Scroll	52 x 34 x 36
CU-MT-AC-48	28–40°F	4 HP	460V	Air-Cooled	Scroll	56 x 36 x 38
CU-LT-AC-09	-10–10°F	0.75 HP	208-230V	Air-Cooled	Hermetic	30 x 22 x 24
CU-LT-AC-12	-10–10°F	1 HP	208-230V	Air-Cooled	Hermetic	32 x 24 x 26
CU-LT-AC-18	-10–10°F	1.5 HP	208-230V	Air-Cooled	Scroll	36 x 26 x 28
CU-LT-AC-24	-10–10°F	2 HP	208-230V	Air-Cooled	Scroll	40 x 28 x 30
CU-LT-AC-30	-10–10°F	2.5 HP	208-230V	Air-Cooled	Scroll	44 x 30 x 32
CU-LT-AC-36	-10–10°F	3 HP	460V	Air-Cooled	Scroll	48 x 32 x 34
CU-LT-AC-42	-10–10°F	3.5 HP	460V	Air-Cooled	Scroll	52 x 34 x 36

EVAPORATORS

PRODUCT OVERVIEW

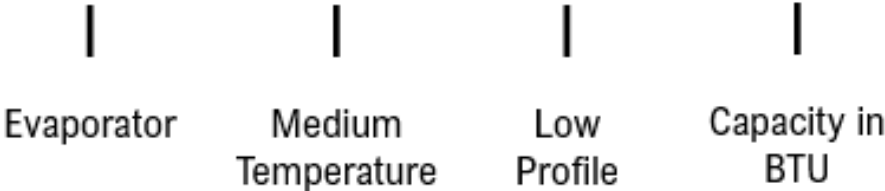
Our air-cooled condensing units are engineered for reliable commercial refrigeration performance across a wide range of medium and low temperature applications. Designed with optimized airflow, durable construction, and high-efficiency components, these systems deliver dependable cooling performance, energy efficiency, and long service life in demanding environments.

Key Advantages:

- Optimized airflow performance
- Efficient heat transfer
- Durable commercial construction
- Medium & low temperature options
- Compact and service-friendly designs
- Multiple evaporator configurations available

MODEL KEY

EV – MT – LP – 065



CODE	MEANING
EV	Evaporator
MT	Medium Temperature
LT	Low Temperature
LP	Low Profile
MP	Medium Profile
CM	Center Mount
ETP	Extended Thin Profile
NUMBER	Capacity in BTU

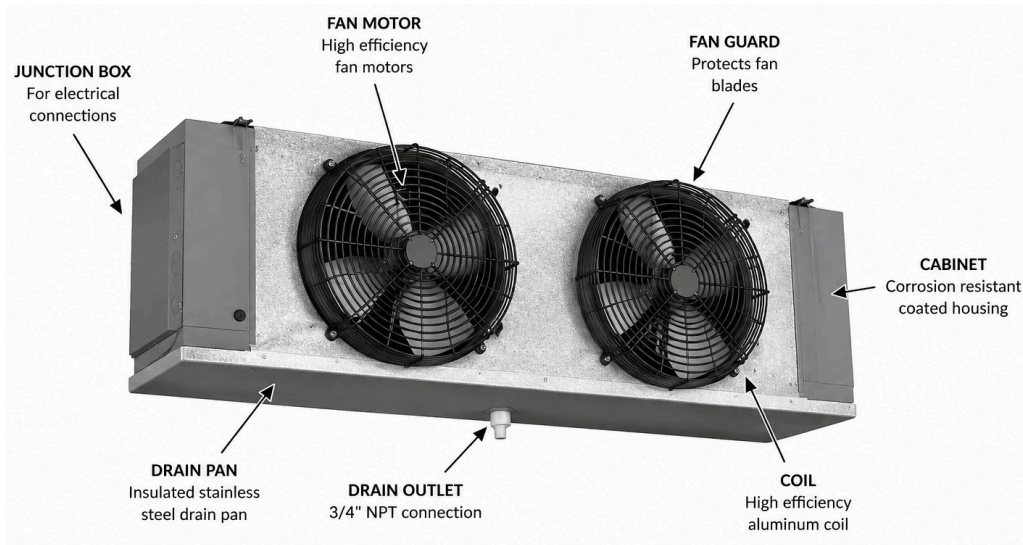


- Low Profile Evaporators

EV-MT-LP & EV-LT-LP Series

Designed for walk-in coolers with limited ceiling clearance, these units provide efficient cooling while maintaining a compact footprint.

The Smart Air™ Low Profile Evaporator Series is designed for applications with limited ceiling clearance while maintaining high-efficiency airflow and consistent cooling performance. Available in both medium and low temperature configurations, these units are ideal for walk-in coolers and freezers across a wide range of commercial environments.



Model	Temp Range	Capacity (BTU/hr)	Voltage	Defrost	Airflow	Fan Type	Dimensions
EV-MT-LP-065	28–40°F	6,500	115V	Air	Single	PSC	32 x 18 x 14
EV-MT-LP-090	28–40°F	9,000	115V	Air	Single	PSC	36 x 20 x 16
EV-MT-LP-120	28–40°F	12,000	208-230V	Air	Single	PSC	42 x 22 x 18
EV-MT-LP-150	28–40°F	15,000	208-230V	Air	Single	PSC	48 x 24 x 20
EV-LT-LP-090	-10–10°F	9,000	208-230V	Electric	Single	PSC	36 x 20 x 16
EV-LT-LP-120	-10–10°F	12,000	208-230V	Electric	Single	PSC	42 x 22 x 18
EV-LT-LP-150	-10–10°F	15,000	208-230V	Electric	Single	PSC	48 x 24 x 20
EV-LT-LP-180	-10–10°F	18,000	208-230V	Electric	Single	ECM	54 x 26 x 22

- Medium Profile Evaporators

EV-MT-MP & EV-LT-MP Series

Designed for applications requiring increased cooling capacity and extended airflow coverage, medium profile evaporators provide enhanced performance for larger walk-in coolers and freezers.

The **Smart Air™ Medium Profile Evaporator Series** is engineered with deeper coil designs and higher airflow capabilities to handle demanding refrigeration environments. These units deliver consistent temperature control, improved heat exchange efficiency, and reliable long-term operation across both medium and low temperature applications.

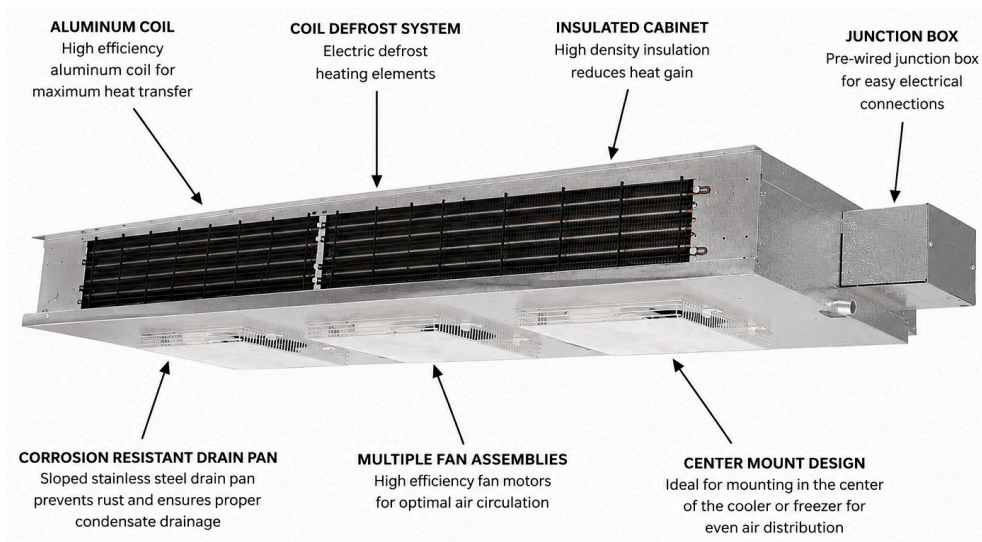
Model	Temp Range	Capacity (BTU/hr)	Voltage	Defrost	Airflow	Fan Type	Dimensions
EV-MT-MP-120	28–40°F	12,000	208-230V	Air	Long Throw	PSC	42 x 24 x 20
EV-MT-MP-180	28–40°F	18,000	208-230V	Air	Long Throw	ECM	48 x 26 x 22
EV-MT-MP-240	28–40°F	24,000	208-230V	Electric	High Throw	PSC	54 x 28 x 24
EV-MT-MP-300	28–40°F	30,000	208-230V	Electric	High Throw	PSC	60 x 30 x 26
EV-LT-MP-1800	-10–10°F	18,000	208-230V	Electric	Long Throw	ECM	48 x 26 x 22
EV-LT-MP-240	-10–10°F	24,000	208-230V	Electric	Long Throw	ECM	54 x 28 x 24
EV-LT-MP-300	-10–10°F	30,000	208-230V	Electric	Long Throw	ECM	60 x 30 x 26
EV-LT-MP-360	-10–10°F	36,000	208-230V	Electric	Long Throw	ECM	66 x 32 x 28

- Center Mount Evaporators

EV-MT-CM & EV-LT-CM Series

Designed for applications requiring balanced airflow and uniform temperature distribution, center mount evaporators provide efficient cooling across the entire space.

The **Smart Air™ Center Mount Evaporator Series** features a dual airflow design that delivers even air distribution in walk-in coolers and freezers. Engineered for reliability and efficiency, these units are ideal for medium to large refrigeration environments where consistent temperature control is critical.



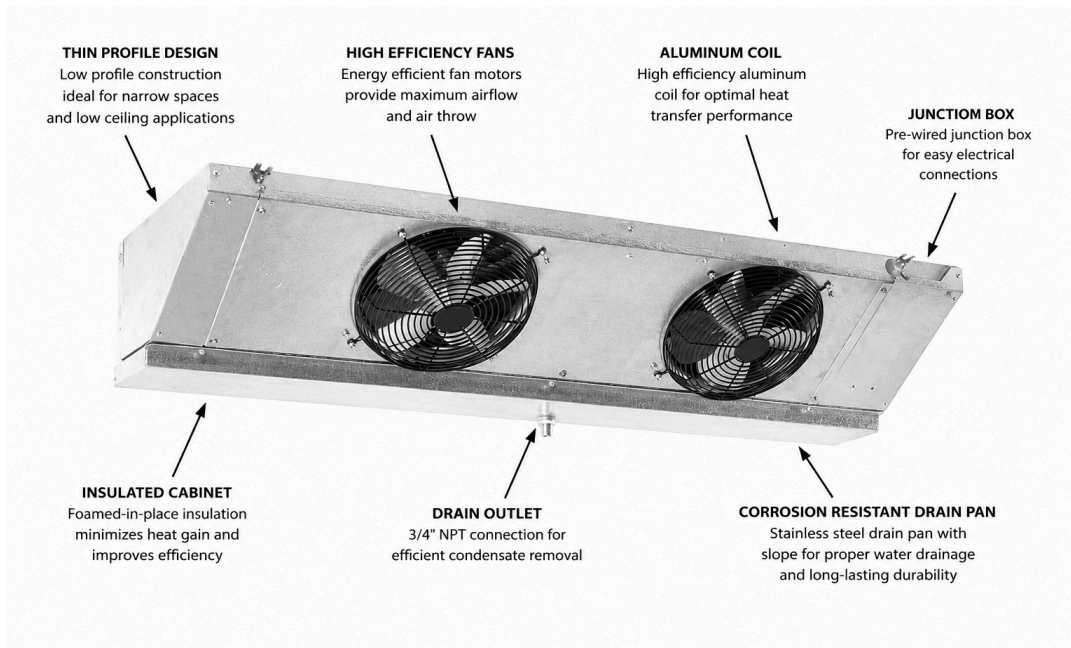
Model	Temp Range	Capacity (BTU/hr)	Voltage	Defrost	Airflow	Fan Type	Dimensions
EV-MT-CM-090	28–40°F	9,000	115V	Air	Dual Flow	PSC	36 x 20 x 18
EV-MT-CM-120	28–40°F	12,000	208-230V	Air	Dual Flow	PSC	42 x 22 x 20
EV-MT-CM-150	28–40°F	15,000	208-230V	Air	Dual Flow	PSC	48 x 24 x 22
EV-MT-CM-180	28–40°F	18,000	208-230V	Air	Dual Flow	PSC	54 x 26 x 24
EV-MT-CM-240	28–40°F	24,000	208-230V	Air	Dual Flow	ECM	60 x 28 x 26
EV-LT-CM-150	-10–10°F	15,000	208-230V	Electric	Dual Throw	ECM	48 x 24 x 22
EV-LT-CM-300	-10–10°F	18,000	208-230V	Electric	Dual Throw	ECM	54 x 26 x 24
EV-LT-CM-360	-10–10°F	24,000	208-230V	Electric	Dual Throw	ECM	60 x 28 x 26

- Extended Thin Profile Evaporators

EV-MT-ETP & EV-LT-ETP Series

Designed for installations with extremely limited ceiling clearance, extended thin profile evaporators provide efficient cooling performance in tight spaces without compromising airflow or reliability.

The **Smart Air™ Extended Thin Profile Evaporator Series** is engineered for compact environments where standard evaporators cannot fit. With a slim design and optimized airflow, these units deliver consistent temperature control and energy-efficient operation for both cooler and freezer applications.



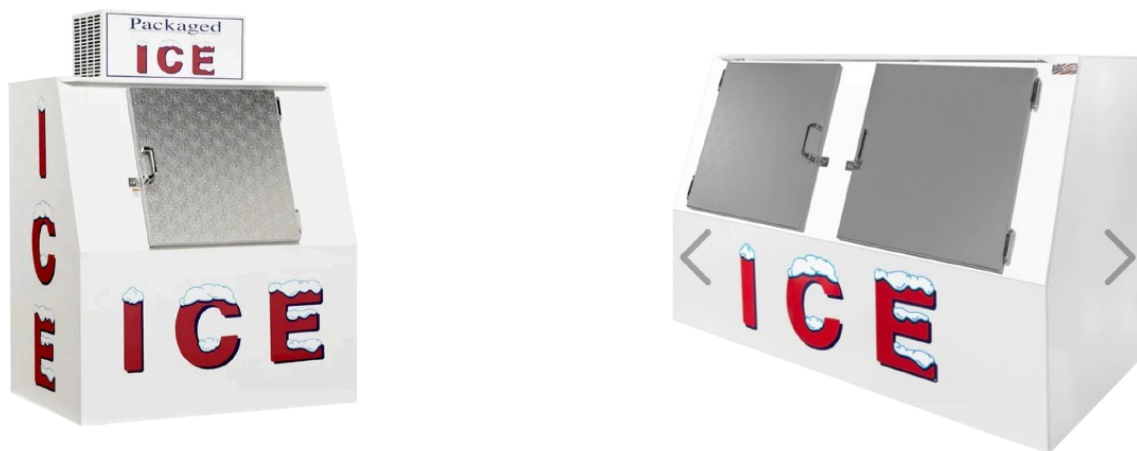
Model	Temp Range	Capacity (BTU/hr)	Voltage	Defrost	Airflow	Fan Type	Dimensions
EV-MT-ETP-100	28–40°F	10,000	208-230V	Air	Single Direction	PSC	36 x 16 x 10
EV-MT-ETP-150	28–40°F	15,000	208-230V	Air	Single Direction	PSC	42 x 18 x 12
EV-LT-ETP-120	28–40°F	12,000	208-230V	Electric	Single Direction	PSC	40 x 18 x 12

ICE COOLERS

PRODUCT OVERVIEW

Designed for outdoor bagged ice storage, these ice coolers provide durable, secure, and temperature-stable environments for retail and commercial applications.

American Thermal Systems ice merchandisers are built with heavy-duty insulated construction to maintain frozen conditions while allowing easy customer access. Ideal for convenience stores, gas stations, and event venues, these units are designed for long-lasting outdoor performance.



Model	Capacity	Door Type	Construction	Temperature Retention	Installation	Dimensions
IC-SD	40–60 Bags	Single Locking Door	Insulated Steel Cabinet	Maintains Frozen Bagged Ice	Freestanding Outdoor	48 x 36 x 54
IC-DD	80–120 Bags	Double Locking Door	Insulated Steel Cabinet	Maintains Frozen Bagged Ice	Freestanding Outdoor	72 x 36 x 60



WARRANTY & SUPPORT

BUILT FOR RELIABLE COMMERCIAL PERFORMANCE

American Thermal Systems products are engineered for durability, reliability, and long-term performance in demanding commercial refrigeration environments. Every system is manufactured using high-quality components and is factory tested to ensure dependable operation and consistent cooling performance.

We stand behind the quality of our equipment with warranty coverage designed to provide confidence and peace of mind for contractors, facility operators, and business owners.

Warranty Coverage

Condensing Units

Smart Box™ Series

1-Year Limited Parts Warranty

Extended 5-Year Compressor Warranty Available

Coverage includes defects in materials and workmanship under normal operating conditions.

Evaporators

Smart Air™ Series

2-Year Limited Warranty

Designed to provide dependable performance and long service life across medium and low temperature refrigeration applications.

Technical Support

Our team is committed to supporting customers before, during, and after installation.

Technical assistance is available to help with:

- Product selection
- Installation guidance
- System recommendations
- Warranty support
- General technical questions

Certifications & Compliance

American Thermal Systems products are designed and manufactured to meet recognized industry standards for safety, sanitation, and commercial refrigeration performance.



AMERICAN **THERMAL** SYSTEMS

CONTACT & QUOTE REQUEST

**Looking for the right
refrigeration solution?**

Our team is ready to help you select the
best equipment for your application.



Phone: +1 (800) 396 - 1480



Email: info@americanthermalsystems.com



Website: americanthermalsystems.com

*Reliable. **Efficient.** Built for Performance.*
