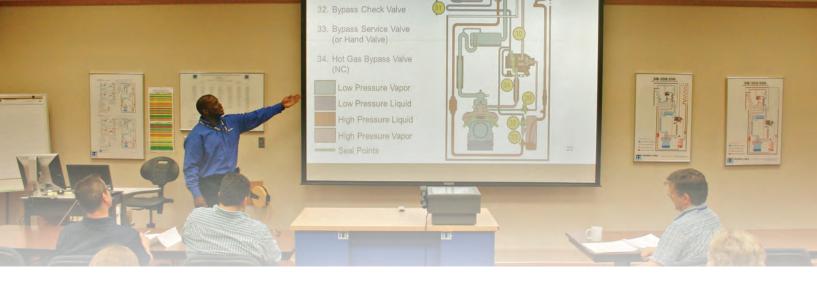


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ABOUT THE EDUCATION CENTER

Building Quality Service through Education

When Joe Numero started Thermo King Corporation in 1938, he emphasized the importance of having a high-quality product supported by high-quality service. He believed that providing technicians with the best education is the way to provide superior support to Thermo King customers.

Today, this belief still holds true, and the Thermo King EducationCenteristheindustryleading provider of technician training and education—building quality service through education.

Variety and Options

With a variety of class-venues, teaching styles, product lines, course-levels and course types, there is a Thermo King Education Center course for everyone.

- Through online and Minneapolis classroom-based courses, technicians can be trained anytime and anywhere.
- With in-class lessons and hands-on lab activities, knowledge is both learned and applied.
- A wide range of courses allows technicians to be trained on a variety of products.
- Courses are available for all skill-levels, giving technicians the ability to develop their skills over time.
- Curriculum is constantly being updated to reflect the changing technology in the industry; your technicians will be knowledgeable on the newest technologies.

What You Will Gain

The Thermo King Education Center courses are designed to enhance your technicians':

- · Technical knowledge of the units and the industry
- Critical thinking skills for diagnostic and service procedures
- Skill and expertise in service, maintenance and repair

Staff and Facilities

Located in Minneapolis, Minnesota, the Thermo King Education Center houses the latest Thermo King units and technologies in spacious labs and classrooms. The Minneapolis location also acts as the hub for the expert staff of the Education Center. These trained professionals have a wealth of experience in a range of fields, teaching their courses with knowledge that comes from years of field-experience.

Getting Started

In this brochure you will find the information needed to start an education with the Thermo King Education Center. Do not hesitate to contact us with questions.

TEAM BIOGRAPHIES



Chris Walmsley Manager Technical Training Chris joins the Thermo King **Education Center team** with extensive experience developing and delivering technical training courses and overseeing service training. Specifically, Chris spent the last 18 years at Trane, most recently as Leader, Training and Development. In this role, Chris and his team reached more than 4,000 students annually via wide-ranging training programs to accelerate growth and profitability for Trane



Bus HVAC
Mark started at Thermo King in
1978 as a Technical Service Trainer
in the Education Center. He then
took on the Bus Air Field Service
Manager and Bus Product Service
Managerroles. During these roles,
hegained technical understanding
and hands-on experience on the
Bus HVAC products. After briefly
taking on sales and service roles
with McQuay and Energy Labs,
Mark has returned as the instructor for the bus air conditioning

Technical Service Instructor -

Mark Nestingen

courses.

Julian Yerbich

Education Center



Administrator
ReNae is the Thermo King
Education Center Coordinator
and Advisor, and the Thermo King
University Administrator. She has
experience in financial services,
accounting, and customer service
and has been at Thermo King
since 2007. In her current role,
ReNae is the customer main point
of contact for questions related to
Thermo King University (TKU) and
all courses.

ReNae Jirak

Education Center



Operations Manager
Julian has worked in corporate
educationas atrainer and training
manager for over 30 years for
companies including International
Harvester, J.I. Case, Graco, and
Medtronic. He has been with the
Education Center 2004 as a Senior
Instructor and now serves as the
Training Operations Manager for
Truck, Trailer, and APU products.



Mike Palm
Technical Service Instructor

Mike carries a wealth of knowledge topped with a passion for adult instruction, which he developed as a Sergeant in the Minnesota National Guard. He has a degree in HVAC-R system service and diagnosis and is a Military Trained Diesel Mechanic. In 2012, he joined Thermo King and worked extensively with unit compressors and related systems in Thermo King's Compressor Test Lab. In 2014 he transitioned to the Education Center and now teaches all



Greg Schueller

Technical Service Instructor
Greg brings over 10 years of
performance based instruction
experience to the Education
Center team, and has been with
Thermo King since early 2014.
He is a practiced communicator
and troubleshooter, with 19
years of technician experience at
Diebold, Inc. Greg also displays
a solid technical understanding
from his coursework and handson experience over the years.
Today Greg is teaching all truck,
trailer and APU courses.



Jenny Kafka Instructional Systems Developer

Combining her desire to teach and develop others with her drive to learn about our dealers, Jenny delivers TRECS non-technical dealer training content and continuing education. She has a background in public as well as corporate education, and she is experienced in developing engaging materials for a variety of audiences, both online and in the classroom. Jenny partners with us through an award winning local development firm, Fredrickson Learning.



Walton Stanley Instructional Systems

Developer

Walton brings vast skill in developing interactive, task-based online training and user-support solutions. He has experience in hands-on industries such as food service, industrial controls and medical devices. His focus is now on developing online-based training modules and supporting labs for the CERTI-TECH technician training and

continuing education programs.

Virtual Course Schedule

Course Name*	Course #	Start Date	End Date	Length	Location
Fleet Single-Temp, Maintenance & Diagnosis	20021FST	2/15/2021	3/05/2021	3 wks—8 AM to 12:30 PM	l** Online
Fleet Single-Temp, Maintenance & Diagnosis	20121FST	4/12/2021	4/30/2021	3 wks—12 PM to 4:30 PM	Online
Fleet Single-Temp, Maintenance & Diagnosis	20221FST	5/10/2021	5/28/2021	3 wks—8 AM to 12:30 PM	l Online
Fleet Single-Temp, Maintenance & Diagnosis	20321FST	6/07/2021	6/25/2021	3 wks—8 AM to 12:30 PM	l Online
Fleet Mulit-Temp	22021FMT	1/11/2021	1/29/2021	3 wks—1 PM to 5:30 PM	Online
Fleet Mulit-Temp	22121FMT	3/08/2021	3/26/2021	3 wks—8 AM to 12:30 PM	l Online
Fleet Mulit-Temp	22221FMT	5/03/2021	5/21/2021	3 wks—12 PM to 4:30 PM	Online
Fleet Mulit-Temp	22321FMT	6/07/2021	6/25/2021	3 wks—12 PM to 4:30 PM	Online
Bus Professional Training Class	30121B	2/01/2021	2/05/2021	5 half-days	Online
Bus Professional Training Class	30221B	4/19/2021	4/23/2021	5 half-days	Online

^{*} All classes will be virtual until further notice.

CUSTOMER VIRTUAL INSTRUCTOR-LED TRAINING (VILT)

The future of training took on a new face in the wake of COVID-19. As a result, the Thermo King Education Center has been working hard to leverage new technologies that enable us to meet the training needs of our Dealers and Customers. vILT is a result of this effort. vILT enables us to provide live training to our Dealers and Customers in a safe, engaging and interactive manner during these unprecedented times. The Thermo King Education Center's vILT training courses are more than simple webinars. Each vILT course will cover every technical lab that would be performed during an onsite training session through video-based delivery and an interactive online training interface. Students are able communicate directly with the instructor through multiple methods built directly into the training platform (talking, chat interface, Q&A panels and polls). Benefits of vILT include:

- · Eliminating the need to travel
- Allowing for continued employee skill building
- Full technical labs through video-based delivery
- · Live interaction with Thermo King Technical Instructors
- Half day sessions for easier scheduling of employees time during training days

Hardware/Software Minimum Requirements:

- Reliable and video-capable internet connection (minimum 10 Mbps). If you can stream Netflix or YouTube you should have the necessary connection speed
- Working speaker and microphone connected to computer/mobile device used to access the training session
- Operating Webcam (recommended but not required)

We are running each of these virtual classes three weeks in a row but only a half-day each day so you can leverage the second half of the day working in the shop and giving them time to absorb what they have learned in the $4 \frac{1}{2}$ hours each day.

2021 Pricing has gone up to \$1600.00, but we will honor the price that customers have already paid.

To learn about the details of this training, Please Contact your Local Thermo King Dealer.

To transfer students from one class to another, please contact the Education Center.

Education Center Contact: ReNae Jirak

Phone 952-887-2554

Email: renae jirak@tranetechnologies.com

^{**} Times are in US Central Time Zone



FLEET TECHNICIAN TRAINING

The Thermo King Education Center offers the most complete climate control training in the industry for your fleet, offering courses to your technicians of all levels. The objective of the Fleet Technician Training Program is to provide technicians with the knowledge and skills necessary for servicing and maintaining today's Thermo King climate control systems.

Through both lab and classroom activities your technicians will:

- Enhance their technical knowledge of transport refrigeration systems
- Master electrical systems, controls, and components
- Learn the techniques and skills necessary to repair and maintain climate control systems
- · Gain proficiency in diagnostic procedures

By completing the Fleet Technician Training Program, your technicians will be better able to repair and maintain your fleet's climate control system so that your fleet is well maintained and always working optimally.

Thermo King makes it convenient to learn. Courses are offered:

- At the Thermo King Education Center in Minneapolis, Minnesota - Page 8
- Online through Thermo King University (TKU) - Page 12

INSTRUCTOR LED COURSES

The Thermo King Education Center offers technicians the ability to learn the technical skills and theories necessary to best service and maintain your customers' climate control units.

In each course technicians will measure their progress by taking a pre-test and a post-test, in addition to daily quizzes and assignments. Courses include in-class lessons and lab activities.

Fleet Single-Temp, Maintenance & Diagnosis Course

Who Should Attend?

Technicians who service and maintain single-temperature Thermo King Units.

Course Description

This course will teach your technicians the skills they need to best service and maintain single-temperature climate control systems. Through both in-class lessons and hands-on lab activities, technicians will learn:

- Basic principles of refrigeration and single-temperature climate control systems
- System diagnosis, service, and repair procedures
- Fundamentals of electrical systems and diagnostic techniques
- Microprocessor control systems service, basic diagnostics, and applications

Details

This two-week course (9.5 days) is administered at the Thermo King Education Center in Minneapolis, Minnesota.

Tuition Fee

\$1,600 per student.

Fleet Multi-Temp Course

Who Should Attend?

Technicians who service and maintain multiple-temperature Thermo King Units.

Course Description

This course will teach your technicians the skills they need to best service and maintain multi-temperature climate control systems. Through both in-class lessons and hands-on lab activities, technicians will learn:

- Basic principles of refrigeration and multi-temperature climate control systems
- · System diagnosis, service, and repair procedures
- Fundamentals of electrical systems and diagnostic techniques
- Microprocessor control systems service, basic diagnostics, and applications

Details

This two-week course (9.5 days) is administered at the Thermo King Education Center in Minneapolis, Minnesota.

When classes are held virtually, classes are three-week half-day classes; not two-week full day classes.

Tuition Fee \$1,600 per student.

Bus Technician Course

Who Should Attend? Technicians from:

- Transit bus operations
- Bus dealers
- · Bus manufacturers
- Authorized Thermo King Dealer technicians with a minimum of 12 months of on-the-job experience

Course Description

This is an introductory course that will teach your technicians the skills necessary to best service and maintain bus climate control systems. Through both inclass lessons and hands-on lab activities, technicians will learn:

- Basic principles of refrigeration and air-conditioning systems
- · Electrical systems and electronic controls
- Service and maintenance procedures for bus systems

Details

This week-long course (4.5 days) is administered at the Thermo King Education Center in Minneapolis, Minnesota.

When classes are held virtually, classes are three-week halfday classes; not two-week full day classes.

Contact For Regional Bus Training Requests Mark Nestingen – Bus HVAC Instructor

Cell: (952) 412-7348 Office: (952) 887-2255

Email: Mark.Nestingen@tranetechnologies.com

Tuition Fee

\$775 per student.

ONLINE COURSES

ThermoKingEducationCenteronlinecourses are available through ThermoKingUniversity (TKU), which can be accessed through the Thermo King North America website. For login-access to TKU, contact your Thermo King Dealer.

Refrigeration Fundamentals

Covers refrigeration fundamentals and the basics of the four-component refrigeration system to prepare learners for more advanced refrigeration topics. The cost is \$75.

Electrical Fundamentals Series

"The Foundation" covers fundamentals around electrical terminology, basic principles and multimeters to prepare learners for more advanced electrical topics. The cost is \$75.

In "The Application" use the fundamentals to start diagnosing with this interactive module. Learn to apply four common electrical tests to determine with confidence which component is faulty. The cost is \$75.

Microprocessor Fundamentals Series

"The Foundation" module provides a functional overview of microprocessor control systems that prepares technicians to perform basic service and diagnosis. The cost is \$75.

The "Diagnostics" module takes it to the next level to ensure that a technician knows how to perform critical tasks in the HMI, respond effectively when alarm codes are present, troubleshoot using microprocessor LEDs, and so much more. The cost is \$75.

Truck, Trailer Product Service Overviews

Overviews are available on multiple products, including:

- PrecedentTM Service Overview
- T-80 Truck Service Overview

There is no cost for these courses.

TriPac EVOLUTION™ Series

There is no cost for the following courses:

- TriPac EVOLUTION Installation: Step-by-step guidance and best practices for a successful install.
- TriPac EVOLUTION Preventative Maintenance:
 Thisvideoprovidesguidanceonhowtoproperlyperform routine maintenance to ensure optimal unit operation.

 IMPORTANT NOTE: You will need reference materials to complete this module. Obtain the following from your local dealer as needed: TK 56215, TK 55739, Service Bulletin SB587 and Service Bulletin SB636.
- TriPac EVOLUTION Product Introduction: This
 module gets you started on your journey toward
 understanding Thermo King's TriPac EVOLUTION to help
 you better perform your job.
- TriPac EVOLUTION TK Monitor: Learn how TK Monitor can help read hour meters or diagnose a unit.

And more!

See TKU for a list of additional Thermo King specific and soft skill online courses to grow technician skill, such as:

- AC Electrical Safety: Get familiar with the hazards and considerations for working with AC electrical power (\$0)
- Refrigerant Recovery, Evacuation & Dehydration: A step-by-step video guides technicians to perform safe and effective recovery and evacuation, ensuring proper dehydration to avoid future unit issues (\$75)

EPA SECTION 608 CERTIFICATION TESTING

What Is EPA 608?

All Transport Refrigeration technicians in the United States that handle refrigerant must be certified by the Environmental Protection Agency. Certification is obtained by taking the EPA Section 608 Certification Test.

Logistics

A review of the material for the EPA test, and the test itself is offered:

- · On the 2nd Monday of each 2-week class
- On the Thursday of each Fleet Single-Temp week for students attending only one week of the series

A shuttle will return the EPA test participants to the hotel by 7 PM.

Test Cost

Cost is \$100.00 per student to be paid in advance before taking the test or receiving the study materials. The cost includes study materials and the test.

Pre-Enroll to Jump Start Tech Studying

Technicians are most successful when they come to class prepared to take the EPA test. A TKU Manager at your local Thermo King dealership can pre-enroll techs for the EPA course when registering them into classes.

Afterpre-enrollment, the dealership must email the Education Center with the following:

- Class location
- Customer address
- Recipient name for package
- Names of student(s) taking the EPA test

Once this information is received, the study materials will be sent. The tech will need to bring the book to class when they come to Minneapolis.

Classes with EPA Testing

We only offer EPA testing at the Minneapolis location, in conjunction with the following courses:

- Bus Technician Course
- Fleet Single-Temp Maintenance
- Fleet Multi-Temp

Questions and Contact

For questions about registration, please contact ReNae Jirak at the Thermo King Education Center:

ReNae Jirak

952-887-2554

Renae Jirak@tranetechnologies.com

REGISTRATION

Next Steps

Students can apply and register for courses through their local Thermo King Dealer. Once the application has been completed and submitted via Thermo King University, a confirmation email will be sent to the email addresses provided in the application. The confirmation email will contain information necessary to complete the registration and make hotel and flight reservations.

Registration Checklist

- Registration: Register your technicians through your local Thermo King Dealer.
- Confirmation: A confirmation email should follow registration. This email also serves as the invoice.
- Payment: If payment is necessary as stated in the course description "Details," pay the course fee to your local Thermo King Dealer.
- Hotel Reservation: Make a hotel reservation for your technician at the recommended hotel for the dates listed in the confirmation email.
- Flight Reservation: Make a flight reservation for your technician according to the dates listed in the confirmation email. Minneapolis airport code: MSP.
- Technician attends the course!

For registration questions, please contact the Thermo King Education Center:

ReNae Jirak 952-887-2554

Renae Jirak@tranetechnologies.com

Program Hours and Costs - Minneapolis Courses

Program Hours

Unless otherwise specified, full-day course hours are from 8:00 AM to 4:30 PM with a 45 minute lunch. For one or two-week courses, training concludes on the last day of the course at 11:30 AM.

When classes are held virtually, classes are three-week half-day classes; not two-week full day classes.

Flights should not depart before 3:00 PM on the last day of training. For 2-day classes, student flights should not depart before 7:30 PM.

For the Fleet Single Temp, Maintenance Course (FST1), the course ends at 3:00 PM on the last day of class. If applicable, flights should not depart before 6:00 PM on that day.

Division of Responsibilities

The employer is responsible for the student's transportation to and from Minneapolis, hotel expenses, and dinner expenses. Lunch is provided by Thermo King while the technicians are in class. Thermo King is also responsible for the costs of all equipment and materials used during class.

Assuming the student stays at the recommended hotel, continental breakfast is included in the hotel fee and a daily shuttle is provided between the hotel and the Education Center.

Course Tuition

Tuition is stated in the course description of each course. Tuition is due upon receipt of confirmation and invoice and must be paid before the course start date. Please arrange payment with your local Thermo King Dealer.

LOGISTICS & POLICIES

Cancellation Policy

If it should become necessary to cancel registration in a confirmed course, the Dealer may reschedule the participant according to course availability or send another qualified person in his or her place. Refunds will not be provided within 14-days of a class start date or for "no shows." Thermo King Corporation has the right to alter, reschedule or cancel courses at any time without prior notice.

Recommended Hotel

For all Minneapolis-based Education Center courses, please use the approved hotel to ensure expected services, such as shuttle to class:

Embassy Suites Bloomington 2800 American Blvd W. Bloomington, MN 55431 (952) 884-4811

Cost: The cost is \$97.13 inclusive of tax per night. Rooms must be booked 3 weeks before class starts to receive this rate.

Direct Bill: If a student will not provide a physical credit card at the hotel, a completed Credit Card Authorization form must be sent to the Embassy Suites prior to arrival at the hotel. The form is located in the back of this catalog and allows the hotel to direct bill for lodging and food as needed. If this is not complete, the student must put use his or her own credit card.

Logistics: When the student arrives in Minneapolis, for airport shuttle pick up, he or she must call the hotel and provide a location. Once luggage is claimed, do the following:

- 1. Take the escalator down from baggage claim
- 2. Follow the signs for ground transportation and hotel shuttle pick up and look for the Embassy Suites shuttle van

Safety and Dress Code

Due to the hands-on nature of our training, personal eye and hearing protection is provided and should be worn as instructed during the course. Dress is informal but should be suitable for shop or lab activities. No shorts or tank tops are permitted. The students must have closed-toed shoes.

Equal Opportunity Policy

It is the policy of Thermo King Corporation to provide equal training opportunities to qualified individuals regardless of race, color, religion, sex, national origin, age, handicapped status, veteran status, or citizenship.

Code of Ethics

In the interest of maintaining an atmosphere conducive to learning, Thermo King Corporation expects its students to exhibit behavior inside and outside the Education Center that reflects high professional standards and ethics. If any participant's performance or behavior is disruptive to the learning process due to alcohol, drugs, or other reasons, their employer will be notified and their training may be terminated.

CONTACT US

For any questions please contact the Thermo King Education Center:

ReNae Jirak 952-887-2554

Renae Jirak@tranetechnologies.com

Education Center Address Thermo King Education Center, MS #25 314 West 90th Street Minneapolis, MN 55420

Website

Visit our website for product details and the latest news from Thermo King: www.na.thermoking.com

Thermo King University (TKU)

For a Thermo King University account, contact your local Thermo King Dealer.

Thermo King University can be accessed from the Thermo King website at: www.na.thermoking.com

STUDENT INFORMATION FORM



EDUCATION CENTER STUDENT INFORMATION FORM Please Print Clearly and return to your Local TK Dealer

Course Number (1st choice)	Course Number (2 nd choice)
Course Location	
Student Last Name	_ First Name
Home Address	
City	State Zip
Phone Number	_ Ext
Employee Email Address (optional):	
Employer	
	State ZIP
Supervisor Name	
Supervisor Signature	
Phone Ext	
Fax	
Employer Email Address (required):	
Dealer Dealer Email Address (required):	

CREDIT CARD PAYMENT FORMS



CONFIDENTIAL

EDUCATION CENTER CREDIT CARD PAYMENT FORM Please Print Clearly

NOT	ΓE: All of th	ne following informati	ion is required.
Circle One:	Visa	MasterCard	American Express
CARD HOLDE	R INFORM	ATION:	
Signature		W. 64	
NAME (as it appears	on the card)		
EXPIRATION DATE_			
CARD VERIFICATION	N NUMBER (3	or 4 digits on back of card) _	
AMOUNT \$			
PHONE NUMBER			
Fill in the following i	information as	to where you receive your	r statement.
STREET ADDRESS_	Mark Service	Action Server	
CITY, STATE, ZIP CO	DDE		
CONTACT NAME & N	NUMBER FOR	QUESTIONS	
EMAIL ADDRESS (Required in order obt	tain / receive a	receipt.)	
STUDENT INFO			
Student Name			
Class # or EPA	608		
Thermo King Inter	nal Use Only		
G/L ACCOUNT NUMB	BER TO CRED	IT: 1001.119026.91214.655	5722.42901.0000.00000.00000
PER IR POLICY	, THIS CREDI	T CARD INFORMATION WI	ILL BE SHREDDED ONCE THE























EMBASSY SUITES HOTEL BLOOMINGTON

Credit Card Payment Authorization Form

Please complete all areas below. Incomplete requests may be rejected. This form must be received at least 5 business days prior to the Check-In, or by specified date in Event Contract, to ensure acceptance of the credit card to be charged.

PLEASE SEND COMPLETED FORM TO: 952-884-0356	A	TTN:	
)ate:	
Guest/Group Name & Confirmation #:			
Check-In / Event Date:			
Name of Person/Group Making Reservation:		Phone:	
CARDHOLDER - Please complete the following section and si	an/date below.		
Cardholder Name as it Appears on Credit Card:	3		
Cardholder Billing Address:			
City: Sta	te:	Zip:	
Daytime /Business Telephone:	Ev	vening Telephone:	
Credit Card Number:	Ex	xpiration Date:	
Credit Card Type: (Circle one) Visa/MasterCard American Express	Discover	JCB	Diners Club
	R Phone Number (from ba		
I agree to cover the following categories of charges: (Please circle All Charges Room & Tax	Food & Beverage	Retail	Recreation
DIRECT BILL ACCOUNT PAYMENTS ONLY:			
Name on Invoice/Statement	Date on Inve	oice/Statement	
Invoice/Statement Number	Authorized A	Amount \$	
Note: Charges for room and tax, group deposits or directimmediately. Any incidental charges circled above will be charged and taxed to be immediately charged to credit card for room and taxed to the control of the co	ct bill account paymer rged at the time of chec es or deposit: \$	ck-out.	d to your credit card
Final Balance Billed to Credit Card (hotel use only): \$			
By signing below, you authorize the hotel to charge your credit of Amount" indicated above. You further acknowledge that if "all chapposit) will be charged to the above card number at the time of contents of the significant contents of the significant contents.	arges" has been selecte	d, then all guest/grou	ive up to the "Maximum ip related charges (less
Cardholder Signature:		Date:	