

Product Information Track

9am - 9:45am EST	TempMaster Omni Choice (15-27.5 ton) (1)	
Break - 15 minutes		
10am - 10:45am EST	TempMaster Omni Select (27.5-50 ton) (1)	
Break - 15 minutes		
11am - 11:45am EST	Ask the Product Manager (1)	TempMaster Omni Premier (25-80 ton) (1)
Break - 15 minutes		
12pm - 12:45pm EST	7 Values of Verasys Controls for Key Commercial Spaces (1)	
Break - 15 minutes		
1pm - 1:45pm EST	Ask the Product Manager (2)	TempMaster Omni Premier (25-80 ton) (2)
Break - 15 minutes		
2pm - 2:45pm EST	7 Values of Verasys Controls for Key Commercial Spaces (2)	
Break - 15 minutes		
3pm - 3:45pm EST	TempMaster Omni Choice (15-27.5 ton) (2)	
Break - 15 minutes		
4pm - 4:45pm EST	TempMaster Omni Select (27.5-50 ton) (2)	

Industry and Application Education Track 1

10:30am - 12:30pm EST (with break)		The Effects of ASHRAE Standard 90.1 on Package Unit Design (includes break) (1) - 2 pdh credits
Break - 30 minutes		
1pm - 3pm EST		Sound: An Introduction to the Acoustics of HVAC Equipment (includes break) - 2 pdh credits
Break - 15 minutes		
3:15pm - 5:15pm EST (with break)		The Effects of ASHRAE Standard 90.1 on Package Unit Design (includes break) (2) - 2 pdh credits

Industry and Application Education Track 2

10:30am - 11:30am EST		Regulatory: Reducing HVAC GHG Emissions: Electrification and Decarbonization - 1 pdh credit
Break - 15 minutes		
11:45am - 12:45pm EST		HVAC System's Impact on a Building's Indoor Air Quality (IAQ) (1) - 1 pdh credit
Break - 15 minutes		
3:15pm - 4:15pm EST		Regulatory: The Transition to Low GWP (Flammable) Refrigerants in the Unitary Market - 1 pdh credit
Break - 15 minutes		
4:30pm - 5:30pm EST		HVAC System's Impact on a Building's Indoor Air Quality (IAQ) (2) - 1 pdh credit

Product Startup and Service Track

10am - 10:45am EST		Smart Equipment Navigation, Configuration and Setup
Break - 15 minutes		
11am - 11:45am EST		Smart Equipment Update Menu and Flashdrive Functions
Break - 15 minutes		
12pm - 12:45pm EST		Initial MAP Gateway Setup and Use
Break - 1 hour 15 minutes		
2pm - 3pm EST		Premier 25-80T Introductory Walk-Around
Break - 30 minutes		
3:30pm - 4:15pm EST		RTU Toolkit

Class descriptions

Product Information Track		
Course Name	Times (EST)	Description
TempMaster Omni Choice (15-27.5 ton) - Performance and Price Optimized 15-27.5 ton model with a flexible drop-in competitive replacement footprint	9am - 9:45am and 3pm - 3:45pm	This course covers the remarkable performance, greater flexibility, and exceptional reliability of the new Choice product. During the course we will discuss how the product line meets replacement and new construction market needs better than any manufacturer in the industry. This offering allows for effective ways to replace existing units in the market fitting on legacy footprints in the 15-27.5 ton range along with enough benefits to hold an engineer's spec. Some of the important aspects we will focus on are efficiency, staging with compressors and airflow, weight, and controls.
TempMaster Omni Select (27.5-50 ton) - Entry platform in the 27.5-50 ton range providing a broad array of features for the for first-cost sensitive application	10pm - 10:45pm and 4pm - 4:45pm	This course will cover how the Select product line fits perfectly in the multiple product strategy from 25-50 tons. We will discuss how the Select product is economical, has class-leading performance, and is made with replacement on existing competitor's curbs in mind. We will also not forget to focus on the design that gets us to higher IEERs than the comparable competitive models, distinguished options and accessories, controls, and reliability.
TempMaster Omni Premier (25-80 ton) - Efficient, Flexible, and IAQ responsible 25-80 ton Packaged Rooftop Unit	11pm - 11:45pm and 1pm - 1:45pm	The Premier course covers a number of customer needs for efficiency, flexibility, and Indoor Air Quality that are often encountered when designing a system with packaged rooftop units. During the course we will detail efficiency and how the regulations / standards are changing within the market. The course will cover a number of limitations inherent in packaged rooftop units, such as supply and return airflow patterns, and how the Premier line can help bridge those gaps. Today, Indoor Air Quality (IAQ) has become more prominent in HVAC designs. Items such as UV lights and Outside Airflow Measurement will be discussed in connection with the Premier line.
7 Values of Verasys Controls for Key Commercial Spaces	12pm - 12:45pm and 2pm - 2:45pm	Join during this segment to get a brief overview of Verasys Building Controls and the seven values it brings for spaces in the commercial building market.
Ask the Product Manager	11am - 11:45am and 1pm - 1:45pm	Want to meet the Product Managers, understand what they do and what they are working on? Got a question about our Rooftop units or Controls products? Can't make one of the product sessions and would like to pick the brains of our experts? Join one of our free-form sessions with our product managers where they will be available for the hour to take your questions on a first come, first served basis.

Industry and Application Education Track

Course Name	Times (EST)	Description
The Effects of ASHRAE Standard 90.1 on Package Unit Design (includes break) 2 pdh credits	10:30am - 12:45am and 3:15pm - 5:15pm	ASHRAE standard 90.1 drives the efficiency of buildings. In particular, the standard directly impacts the design and operation of package units. The presentation highlights the key aspects of the standard to further enhance proper operation of HVAC equipment.
Sound: An Introduction to the Acoustics of HVAC Equipment (includes break) 2 pdh credit	1pm - 3pm	For most of us, the noise from HVAC units is mysterious and, frankly, "squishy". What is it, really? Why does it seem so complicated? How can we understand it more clearly and actually do something about it? This class provides an introduction to the acoustics of HVAC equipment. In particular, it focuses on sound from ducted systems, direct expansion (DX) packaged units, and rooftop applications. We start at ground level, addressing just what is sound and how it is measured. We touch on how humans hear sound, and how that affects the metrics used to describe HVAC sound. We work through the particulars of characterizing HVAC sound, how it is measured, and how it is reported according to standards. Finally, we take a brief look at the sources of indoor and outdoor noise from HVAC and how to address them effectively. When you complete the class, you will have a better understanding of where HVAC sound comes from, what all the strange numbers mean, and how it can be mitigated. You will be able to communicate clearly with your clients and their engineers about your products' HVAC sound and address sensitive installations.
Regulatory: The Transition to Low GWP (Flammable) Refrigerants in the Unitary Market 1 pdh credit	3:15pm - 4:15pm	Recent federal and state hydrofluorocarbon (HFC) refrigerant legislation requires HVAC industry change to meet the growing call for environmental protection. This transition will have significant direct and indirect impacts on the unitary sector (residential/commercial splits, packaged/rooftop units). Previous unitary sector refrigerant transitions, such as the move from R-22 to R-410A, were disruptive in execution but clear-cut from a regulatory standpoint. The next transition, likely to occur within a few years, will not be as straightforward. Multiple, mildly flammable, low-GWP refrigerants will be available as soon as building codes allow. This webinar shares the drivers behind the next transition, leading low-GWP refrigerant candidates, timing, and possible consequences
Regulatory: Reducing HVAC GHG Emissions: Electrification and Decarbonization 1 pdh credit	10:30am - 11:30am	Over the past decade, buildings have become more energy efficient, heat pump performance has improved, and the electric grid has become greener. These actions have led to significant reductions in emissions from building electricity consumption. However, over the same time period, building emissions from burning natural gas, fuel oil and propane have remained relatively flat. In order to achieve deep decarbonization, buildings must address both electricity and direct fossil fuel combustion. Using intelligent building equipment is the first step in increasing energy efficiency and digitalization. This step is critical for the transition to a smart, decarbonized electric grid. Join us as Mark Lessans, director of regulatory and environmental affairs at Johnson Controls, discusses the implications of electrification and decarbonization in the HVAC industry.
HVAC System's Impact on a Building's Indoor Air Quality (IAQ) 1 pdh credit	11:45am - 12:45pm and 4:30pm - 5:30pm	HVAC systems have a significant impact on a building's Indoor Air Quality (IAQ). Properly selecting and maintaining the HVAC system helps avoid sick buildings and now the spread of COVID-19. ASHRAE standards such as 62.1 and 170 guide the industry through the many aspects that impact IAQ. Even though daycares, veterinarian offices, theaters, surgical suites and warehouses all require different ventilation and IAQ requirements, the basic premise stays the same: Deliver high-quality air to the space. Premier, Select and Core package units with their associated options are the right solutions for our customers' IAQ needs.

Product Startup and Service Track

Course Name	Times (EST)	Description
Smart Equipment Navigation, Configuration and Setup	10:30am - 10:45am	Details of setting up a unit with Smart Equipment controls, including features and navigation of the control.
Smart Equipment Update Menu and Flashdrive Functions	11am - 11:45am	Smart Equipment controls flashdrive functions, including Backup, Restore, Update, Clone, and other data exchange features.
Initial MAP gateway Setup and Use	12pm - 12:45pm	Details of setting up a MAP (Mobile Access Portal) Gateway interface device to access Smart Equipment controllers with a tablet, phone or laptop.
Premier 25-80T Introductory Walk-Around	2pm - 3pm	Introduction to and familiarization with a full-featured Premier package unit.
RTU Toolkit	3:30pm - 4:15pm	Intro and tutorial on Premier startup and commissioning using the RTU Toolkit app.