

Vertiv CRV-Row Based Thermal Management Systems



TM303I (Formerly PCT-601)

Objectives

By the end of this training, technicians will be able to:

- Commission Vertiv CRV-Row Based and Smart Row DCX Thermal Management equipment
- Maintain CRV-Row Based and Smart Row DCX Thermal Management equipment
- Troubleshoot and repair Vertiv CRV-Row Based and Smart Row DCX Thermal Management equipment
- Use appropriate PPE and follow safety procedures
- Use appropriate resources and documentation

Row-based cooling is an important part of Vertiv's Thermal Management portfolio. This course prepares technicians to safely and correctly perform critical tasks required to commission, maintain, troubleshoot, and repair the Vertiv CRV-Row Based and Smart Row DCX Thermal Management Systems.

Technicians will learn via instructor-led presentations, demonstrations, hands-on lab sessions using factory-built simulators, programming and troubleshooting.

Contents

- Safety Product Introduction
 - Unit Identification
 - Basic Functionality
- Installation
 - Start Up/Warranty Inspection
 - Pipe Sizing
 - Refrigerant Charge
- System Hardware
 - Component Identification
 - Communication
 - Setup Procedures
- Software Menus and Controls
 - Navigation
 - Parameters
 - Control Logic
- Wiring Diagrams
 - Troubleshooting
 - Signal Flow
- Networking
 - Unit to Unit Communication
 - Teamwork Modes
- Maintenance

PREREQUISITES

Level 2 Certification

REQUIREMENTS

Bring personal PPE

TRAINING LENGTH

2 Days

WHO SHOULD ATTEND

This course is for the experienced HVAC technician responsible for commissioning, warranty repairs, and service of the Vertiv CRV-Row Based and Smart Row DCX Thermal Management Systems.

This course expires after three (3) years. At that time, you will need to complete the corresponding refresher course.

COURSE FEE

\$1,000.00 USD – Vertiv Academy

\$800.00 USD – Regional/Customer Site

DELIVERY OPTIONS

Instructor-Led training may require some online pre-work.

LOCATION

Vertiv Academy (OH), Regional Site or Customer Site (see training calendar).

TRAINING CALENDAR

<https://app.smartsheet.com/b/publish?EQBC T=0ff33df2e4e148bfac4b148484a18ec>

Level 1 Certified Technician (0 to 2 Years)

Audience: New Technicians

Requirements

- Successfully complete Level 1 training requirements, 32 hours biennial training, & refresher training
- Pass Level 1 Assessment

Level 2 Certified Technician (2 to 4 Years)

Audience: Level 1 Technicians

Requirements

- Successfully complete Level 2 training requirements, 48 hours biennial training, & refresher training
- Pass Level 2 Assessment

Level 3 Certified Technician (4 to 6 Years)

Audience: Level 2 Technicians

Requirements

- Successfully complete Level 3 training requirements, 64 hours biennial training, & refresher training
- Pass Level 3 Assessment

Level 4 Certified Technician (6 to 8 Years)

Audience: Level 3 Technicians

Requirements

- Successfully complete Level 4 training requirements, 80 hours biennial training, & refresher training
- Pass Level 4 Assessment