

Daikin International Limited | Web-Based Training Course List

CURRENTLY OFFERED COURSES

BASIC AIR CONDITIONING	
1	Introduction to Air Conditioning
2	Classification of Air Conditioning Systems
3	Principles of Refrigeration
4	4 Components of Refrigeration Cycle & How It Works
5	4 Components of Refrigeration Cycle & 4-way Valves
6	Basic Knowledge of Heat and Pressure
7	Standard Operation State
8	Impact of Various Changes on Operation State
9	Simple Heat Load Calculation
10	Model Selection of Air Conditioners
11	The Basic Knowledge of Analog Relays
12	Refrigerant Types and Nomenclature
13	Air-cooled And Water-cooled Air Conditioners
14	Primary Electrical Components of Air Conditioners
15	Primary Electronic Components of Air Conditioners
16	The Primary Components of the Refrigeration Cycle Other than the Four Principle Components
17	The Primary Safety Devices of the Refrigeration Cycle
18	The Basics of Ventilation: Ventilation Methods and Required Ventilation Volume
19	How to Select Air Conditioning Units -VRVIII-
PSYCHROMETRIC CHART	
20	How to read Psychrometric chart
21	Utilization: Mixture of Air
22	Utilization: Heat'g, Humid., Cool'g & Dehumid.
P-H CHART	
23	Introduction to p-h chart
24	P-h Chart and Coefficient of Performance

BASIC WORK	
25	How to Use Testers and Clamp Meters
26	How to Use Megger Testers and Thermometers
27	How to use Gauge Manifolds
28	Flaring Procedures
29	Procedures for Refrigerant Pipe Bending
30	Setting of Acetylene Welders
31	Flare Connection and Handling of the Service Ports and Stop Valves
32	Vacuum Drying
33	Procedures for Additional Refrigerant Charge (Model: Sky Air; Refrigerant: R410A)
34	Pump Down Procedures
35	Procedures for Refrigerant Recovery
36	Air Tightness Test
37	Basics of Brazing Work
TEST RUN	
38	Inspections Prior to Test Run
39	How to Measure Test Run Data -Sky Air Edition-
40	How to Measure Test Run Data -VRV Edition-
TROUBLESHOOTING	
41	Wired Remote Controller: How to Use "Inspection" Mode
42	Wireless Remote Controller How to Use the "Inspection" Mode
43	Wired Remote Controller: How to Use the Service Mode
44	Wired Remote Controller: Malfunction Codes
45	Methods of Diagnosing Malfunction Codes: A3 and AF
46	Methods of Diagnosing Malfunction Codes: A0 (with related functions)
47	Methods of Diagnosing Malfunction Codes: E3 and JA
48	Methods of Diagnosing Malfunction Codes: E4 and JC
49	Methods of Diagnosing Malfunction Codes: E6 and J2
50	Methods of Diagnosing Malfunction Codes: C4
51	Methods of Diagnosing Malfunction Codes: A9 and E9
52	Methods of Diagnosing Malfunction Codes: U5 and U8
53	Methods of Diagnosing Malfunction Codes: U4 and U9
54	Methods of Diagnosing Malfunction Codes: L5, L8 and L9
55	Malfunction Diagnosis using Outdoor Unit PCB
56	Malfunction Diagnosis using Centralized Control Devices

INSTALLATION	
57	Pre-installation Checks
58	Installation Flow and Precautions
59	Examples of VRV Installation Problems (Indoor Units)
60	Key Points of VRV Refrigerant Piping Installation
61	Key Points of Drain Piping Installation (VRV and Sky Air)
62	Remote Control Wiring
63	Overview of VRV Control Wiring and Wiring Precautions
64	Indoor Unit Installation Points
65	Key Points for VRV Outdoor Unit Installation
66	Local Setting With Remote Controller
67	Field Setting With Outdoor Unit PCB
68	Operating Instructions and Delivery - Sky Air Ceiling Mounted Cassette Type
69	Useful Points for On-site Brazing Work
PRODUCT KNOWLEDGE	
70	Principles of Reluctance DC Motors
71	Principles of Inverter Control
72	Why are Inverter ACs Energy Efficient?
73	VRV System Features
74	Refrigerant Pipe Selection for the VRV System (For USA)
75	Duct Design Procedures for the Ceiling Mounted Built-in Type
76	The Basics of Sound
77	Soundproofing Plans for AC Equipment
78	D-BACS (Centralized Controller)
79	Evolution of VRV
NEW REFRIGERANTS	
80	Fluorocarbons and the Earth's Environment
81	Properties of new refrigerant & Key points for use
CS (CUSTOMER SATISFACTION)	
82	Customer Satisfaction for Service Engineer



Contact Daikin for more information;
 Telephone: 1-866-4DAIKIN
 Email: training@daikincomfort.com

Or visit: www.daikincity.com/#trainingcenter



Daikin International Limited | Web-Based Training Course List

CURRENTLY OFFERED COURSES

BASIC AIR CONDITIONING	
1	Introduction to Air Conditioning
2	Classification of Air Conditioning Systems
3	Principles of Refrigeration
4	4 Components of Refrigeration Cycle & How It Works
5	4 Components of Refrigeration Cycle & 4-way Valves
6	Basic Knowledge of Heat and Pressure
7	Standard Operation State
8	Impact of Various Changes on Operation State
9	Simple Heat Load Calculation
10	Model Selection of Air Conditioners
11	The Basic Knowledge of Analog Relays
12	Refrigerant Types and Nomenclature
13	Air-cooled And Water-cooled Air Conditioners
14	Primary Electrical Components of Air Conditioners
15	Primary Electronic Components of Air Conditioners
16	The Primary Components of the Refrigeration Cycle Other than the Four Principle Components
17	The Primary Safety Devices of the Refrigeration Cycle
18	The Basics of Ventilation: Ventilation Methods and Required Ventilation Volume
19	How to Select Air Conditioning Units -VRVIII-
PSYCHROMETRIC CHART	
20	How to read Psychrometric chart
21	Utilization: Mixture of Air
22	Utilization: Heat'g, Humid., Cool'g & Dehumid.
P-H CHART	
23	Introduction to p-h chart
24	P-h Chart and Coefficient of Performance

BASIC WORK	
25	How to Use Testers and Clamp Meters
26	How to Use Megger Testers and Thermometers
27	How to use Gauge Manifolds
28	Flaring Procedures
29	Procedures for Refrigerant Pipe Bending
30	Setting of Acetylene Welders
31	Flare Connection and Handling of the Service Ports and Stop Valves
32	Vacuum Drying
33	Procedures for Additional Refrigerant Charge (Model: Sky Air; Refrigerant: R410A)
34	Pump Down Procedures
35	Procedures for Refrigerant Recovery
36	Air Tightness Test
37	Basics of Brazing Work
TEST RUN	
38	Inspections Prior to Test Run
39	How to Measure Test Run Data -Sky Air Edition-
40	How to Measure Test Run Data -VRV Edition-
TROUBLESHOOTING	
41	Wired Remote Controller: How to Use "Inspection" Mode
42	Wireless Remote Controller How to Use the "Inspection" Mode
43	Wired Remote Controller: How to Use the Service Mode
44	Wired Remote Controller: Malfunction Codes
45	Methods of Diagnosing Malfunction Codes: A3 and AF
46	Methods of Diagnosing Malfunction Codes: A0 (with related functions)
47	Methods of Diagnosing Malfunction Codes: E3 and JA
48	Methods of Diagnosing Malfunction Codes: E4 and JC
49	Methods of Diagnosing Malfunction Codes: E6 and J2
50	Methods of Diagnosing Malfunction Codes: C4
51	Methods of Diagnosing Malfunction Codes: A9 and E9
52	Methods of Diagnosing Malfunction Codes: U5 and U8
53	Methods of Diagnosing Malfunction Codes: U4 and U9
54	Methods of Diagnosing Malfunction Codes: L5, L8 and L9
55	Malfunction Diagnosis using Outdoor Unit PCB
56	Malfunction Diagnosis using Centralized Control Devices

INSTALLATION	
57	Pre-installation Checks
58	Installation Flow and Precautions
59	Examples of VRV Installation Problems (Indoor Units)
60	Key Points of VRV Refrigerant Piping Installation
61	Key Points of Drain Piping Installation (VRV and Sky Air)
62	Remote Control Wiring
63	Overview of VRV Control Wiring and Wiring Precautions
64	Indoor Unit Installation Points
65	Key Points for VRV Outdoor Unit Installation
66	Local Setting With Remote Controller
67	Field Setting With Outdoor Unit PCB
68	Operating Instructions and Delivery - Sky Air Ceiling Mounted Cassette Type
69	Useful Points for On-site Brazing Work
PRODUCT KNOWLEDGE	
70	Principles of Reluctance DC Motors
71	Principles of Inverter Control
72	Why are Inverter ACs Energy Efficient?
73	VRV System Features
74	Refrigerant Pipe Selection for the VRV System (For USA)
75	Duct Design Procedures for the Ceiling Mounted Built-in Type
76	The Basics of Sound
77	Soundproofing Plans for AC Equipment
78	D-BACS (Centralized Controller)
79	Evolution of VRV
NEW REFRIGERANTS	
80	Fluorocarbons and the Earth's Environment
81	Properties of new refrigerant & Key points for use
CS (CUSTOMER SATISFACTION)	
82	Customer Satisfaction for Service Engineer

