Daikin International Limited Web-Based Training Course List CURRENTLY OFFERED COURSES

BAS	IC 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-
PSY(CHROMETRIC 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



	CWORK	4		ALLATIO
25	How to Use Testers and Clamp Meters		57	Pre-installa
26	How to Use Megger Testers and Thermometers	_	58	Installation
27	How to use Gauge Manifolds		59	Examples
28	Flaring Procedures		60	Key Points
29	Procedures for Refrigerant Pipe Bending		61	Key Points
30	Setting of Acetylene Welders		62	Remote Co
31	Flare Connection and Handling of the Service Ports and Stop Valves		63	Overview of
32	Vacuum Drying]	64	Indoor Uni
33	Procedures for Additional Refrigerant Charge (Model: Sky Air; Refrigerant: R410A)]	65	Key Points
34	Pump Down Procedures		66	Local Setti
35	Procedures for Refrigerant Recovery		67	Field Setti
36	Air Tightness Test		68	Operating
37	Basics of Brazing Work		69	Useful Poi
TEST	r RUN		PRO	
38	Inspections Prior to Test Run		70	Principles
39	How to Measure Test Run Data -Sky Air Edition-	-	71	Principles
40	How to Measure Test Run Data -VRV Edition-	1	72	Why are Ir
TRO	UBLESHOOTING		73	VRV Syste
41	Wired Remote Controller: How to Use "Inspection" Mode]	74	Refrigeran
42	Wireless Remote Controller How to Use the "Inspection" Mode	-	75	Duct Desig
43	Wired Remote Controller: How to Use the Service Mode	1	76	The Basics
44	Wired Remote Controller: Malfunction Codes	1	77	Soundproc
45	Methods of Diagnosing Malfunction Codes: A3 and AF	-	78	D-BACS (C
46	Methods of Diagnosing Malfunction Codes: A0 (with related functions)	1	79	Evolution of
47	Methods of Diagnosing Malfunction Codes: E3 and JA	1	NEW	REFRIGER
48	Methods of Diagnosing Malfunction Codes: E4 and JC	1	80	Fluorocarb
49	Methods of Diagnosing Malfunction Codes: E6 and J2	1	81	Properties
50	Methods of Diagnosing Malfunction Codes: C4	1	CS ((CUSTOM
51	Methods of Diagnosing Malfunction Codes: A9 and E9	1	82	Customer
52	Methods of Diagnosing Malfunction Codes: U5 and U8	-		
53	Methods of Diagnosing Malfunction Codes: U4 and U9	1	Cont	act Daiki
54	Methods of Diagnosing Malfunction Codes: L5, L8 and L9	1		phone: 1-8
55	Malfunction Diagnosis using Outdoor Unit PCB	1	Ema	il: training

Malfunction Diagnosis using Centralized Control Devices

56

Or visit: www.daikincity.com/#trainingcenter

ALLATION					
Pre-installation Checks					
Installation Flow and Precautions					
Examples of VRV Installation Problems (Indoor Units)					
Key Points of VRV Refrigerant Piping Installation					
Key Points of Drain Piping Installation (VRV and Sky Air)					
Remote Control Wiring					
Overview of VRV Control Wiring and Wiring Precautions					
Indoor Unit Installation Points					
Key Points for VRV Outdoor Unit Installation					
Local Setting With Remote Controller					
Field Setting With Outdoor Unit PCB					
Operating Instructions and Delivery - Sky Air Ceiling Mounted Cassette Type					
Useful Points for On-site Brazing Work					
DUCT KNOWLEDGE					
Principles of Reluctance DC Motors					
Principles of Inverter Control					
Why are Inverter ACs Energy Efficient?					
VRV System Features					
Refrigerant Pipe Selection for the VRV System (For USA)					
Duct Design Procedures for the Ceiling Mounted Built-in Type					
The Basics of Sound					
Soundproofing Plans for AC Equipment					
D-BACS (Centralized Controller)					
Evolution of VRV					
REFRIGERANTS					
Fluorocarbons and the Earth's Environment					
Properties of new refrigerant & Key points for use					
CUSTOMER SATISFACTION)					
Customer Satisfaction for Service Engineer					
act Daikin for more information;					

phone: 1-866-4DAIKIN

ail: training@daikincomfort.com



Daikin International Limited Web-Based Training Course List

56

Malfunction Diagnosis using Centralized Control Devices

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-
PSY(CHROMETRIC 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



BAS	IC WORK	INS	TALLATION	
25	How to Use Testers and Clamp Meters	57	Pre-installation Checks	
26	How to Use Megger Testers and Thermometers		Installation Flow and Precautions	
27	How to use Gauge Manifolds		Examples of VRV Installation Problems (Indoor Units)	
28	Flaring Procedures	60	Key Points of VRV Refrigerant Piping Installation	
29	Procedures for Refrigerant Pipe Bending	61	Key Points of Drain Piping Installation (VRV and Sky Air)	
30	Setting of Acetylene Welders	62	Remote Control Wiring	
31	Flare Connection and Handling of the Service Ports and Stop Valves	63	Overview of VRV Control Wiring and Wiring Precautions	
32	Vacuum Drying	64	Indoor Unit Installation Points	
33	Procedures for Additional Refrigerant Charge (Model: Sky Air; Refrigerant: R410A)	65	Key Points for VRV Outdoor Unit Installation	
34	Pump Down Procedures	66	Local Setting With Remote Controller	
35	Procedures for Refrigerant Recovery	67	Field Setting With Outdoor Unit PCB	
36	Air Tightness Test	68	Operating Instructions and Delivery - Sky Air Ceiling Mounted Cassette Type	
37	Basics of Brazing Work	69	Useful Points for On-site Brazing Work	
TEST	RUN	PRO	DUCT KNOWLEDGE	
38	Inspections Prior to Test Run	70	Principles of Reluctance DC Motors	
39	How to Measure Test Run Data -Sky Air Edition-	71	Principles of Inverter Control	
40	How to Measure Test Run Data -VRV Edition-	72	Why are Inverter ACs Energy Efficient?	
TRO	UBLESHOOTING	73	VRV System Features	
41	Wired Remote Controller: How to Use "Inspection" Mode	74	Refrigerant Pipe Selection for the VRV System (For USA)	
42	Wireless Remote Controller How to Use the "Inspection" Mode	75	Duct Design Procedures for the Ceiling Mounted Built-in Type	
43	Wired Remote Controller: How to Use the Service Mode	76	The Basics of Sound	
44	Wired Remote Controller: Malfunction Codes	77	Soundproofing Plans for AC Equipment	
45	Methods of Diagnosing Malfunction Codes: A3 and AF	78	D-BACS (Centralized Controller)	
46	Methods of Diagnosing Malfunction Codes: A0 (with related functions)	79	Evolution of VRV	
47	Methods of Diagnosing Malfunction Codes: E3 and JA	NEV	REFRIGERANTS	
48	Methods of Diagnosing Malfunction Codes: E4 and JC	80	Fluorocarbons and the Earth's Environment	
49	Methods of Diagnosing Malfunction Codes: E6 and J2	81	Properties of new refrigerant & Key points for use	
50	Methods of Diagnosing Malfunction Codes: C4	CS	(CUSTOMER SATISFACTION)	
51	Methods of Diagnosing Malfunction Codes: A9 and E9	82	Customer Satisfaction for Service Engineer	
52	Methods of Diagnosing Malfunction Codes: U5 and U8			
53	Methods of Diagnosing Malfunction Codes: U4 and U9	Contact Daikin for more information;		
54	Methods of Diagnosing Malfunction Codes: L5, L8 and L9	Telephone: 1-866-4DAIKIN Email: training@daikincomfort.com		
55	Malfunction Diagnosis using Outdoor Unit PCB			

Or visit: www.daikincity.com/#trainingcenter

