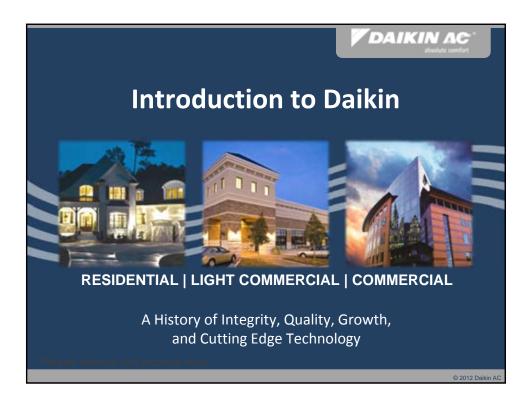
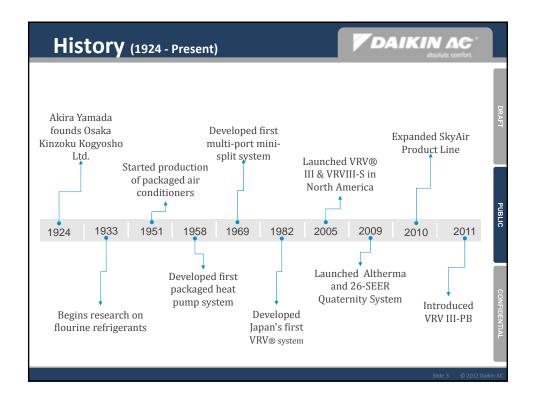
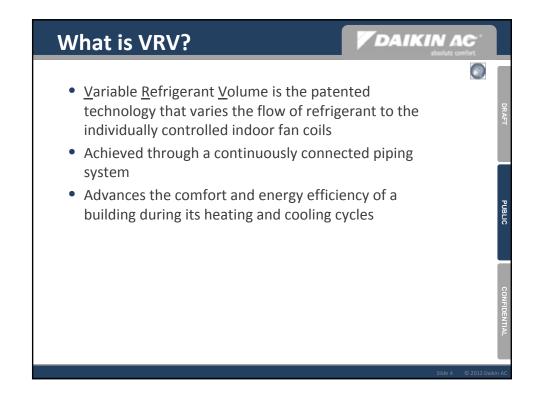


Daikin Residential Light Commercial Product & Application

Participant Guide







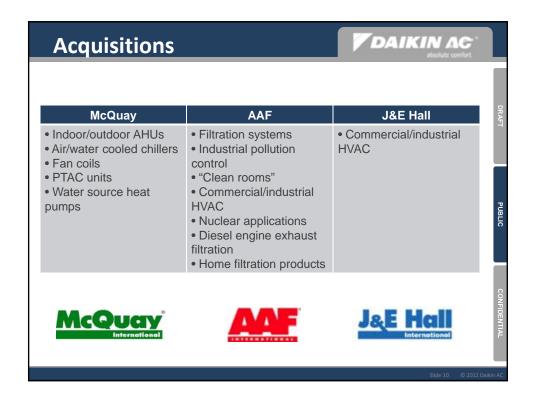




















Our vision is to be the premier provider of the highest quality air conditioning products, systems, services, and solutions in North America by focusing on outstanding, long-term customer service.

To accomplish this, we will continue to hire the best people, always conduct our business easily and fairly, and operate with the highest degree of integrity in all business practices.

In order to attract and retain the best people, we are committed to providing the best training and creating an atmosphere of teamwork where we help each other grow.

Slide 13 © 2012 Daikin A

Daikin AC Sales/Service Locations

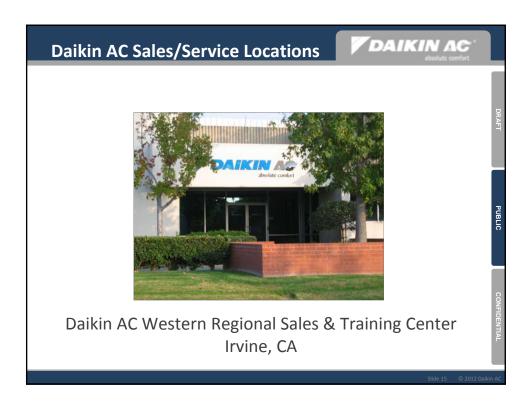


PUBLIC

P/DALKINI AS

Daikin AC National Sales Headquarters & Training Center Carrollton, TX

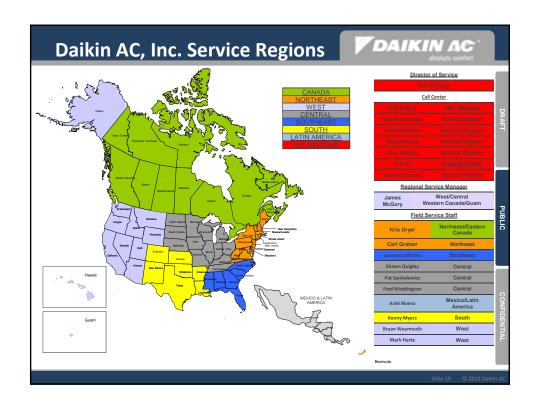
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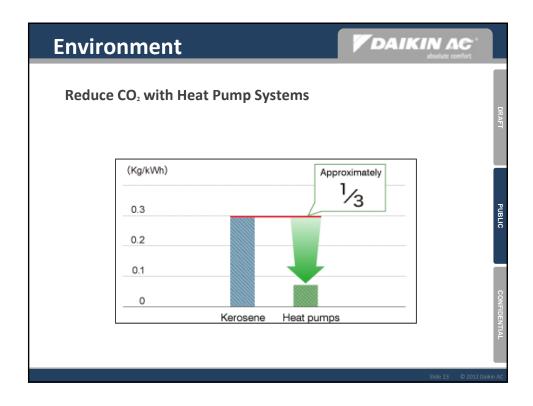


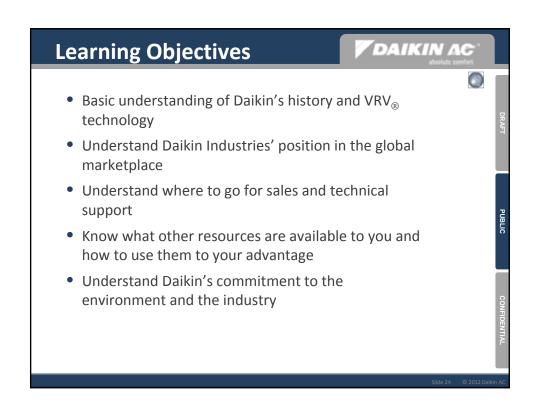






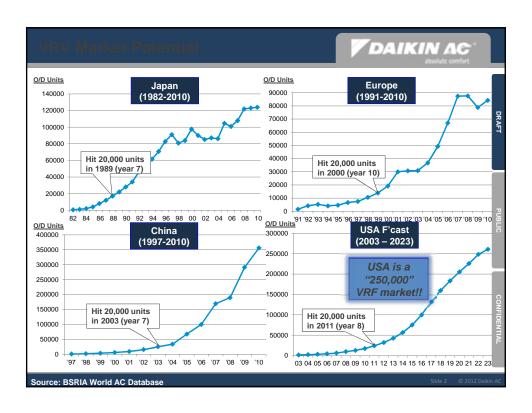


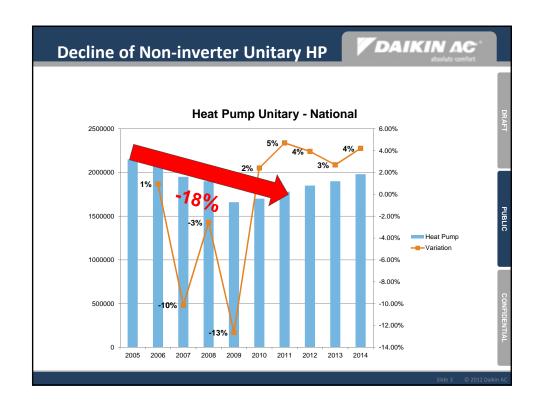


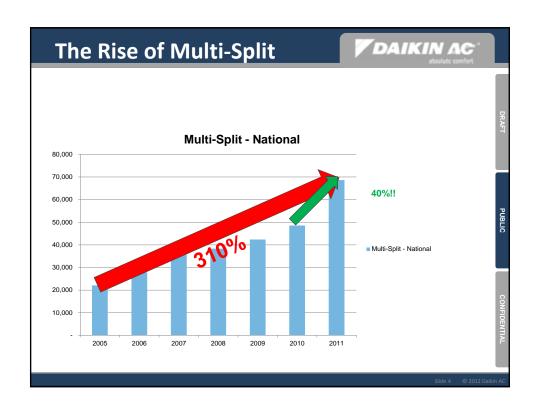


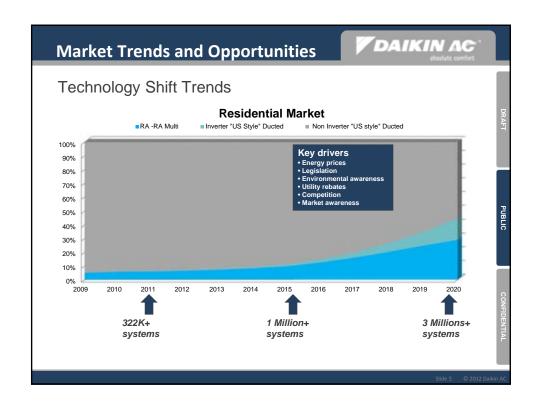




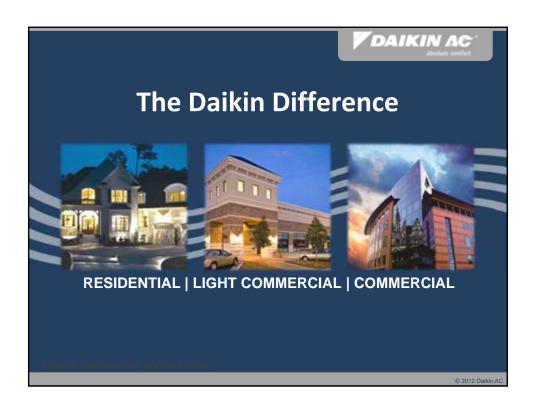


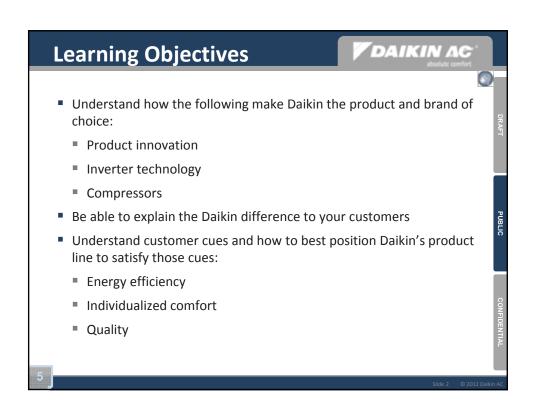






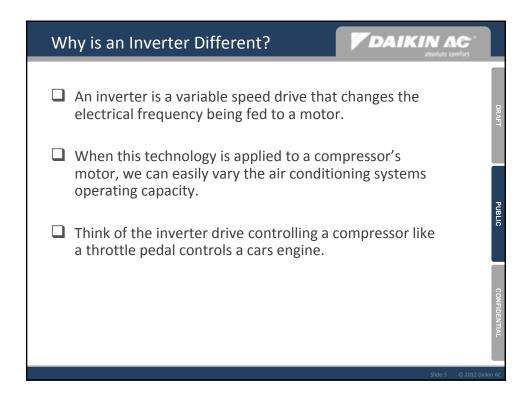


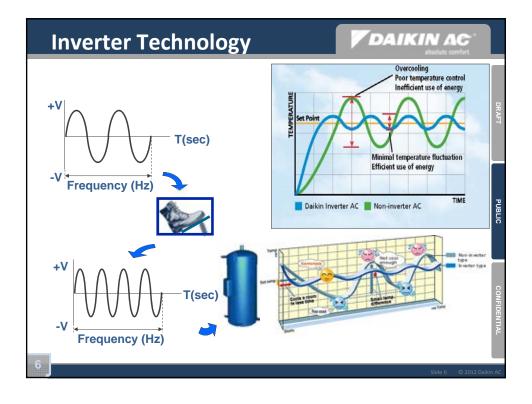




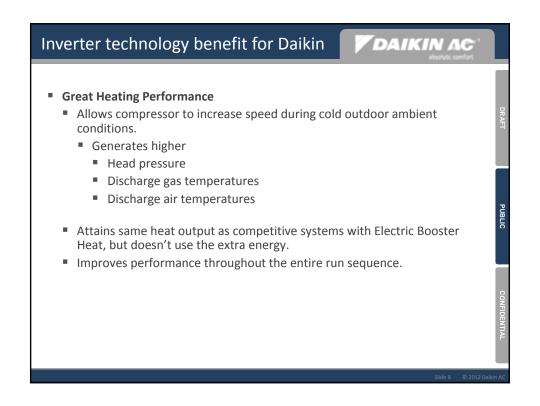


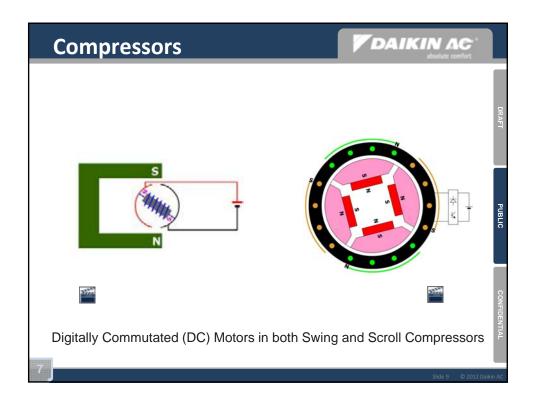




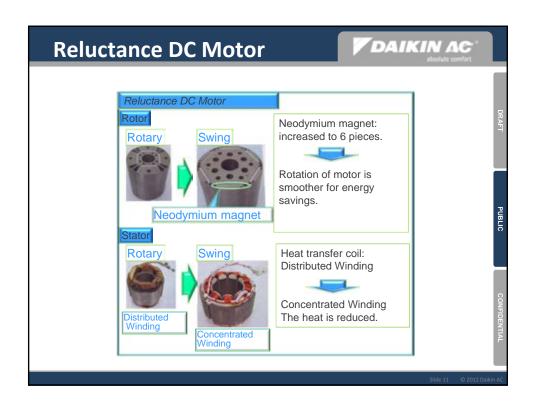


| Very low startup amperage | | No locked rotor amps | | No stress on windings or compressor frame | | No "light flicker" | | Lubrication of bearings increases before speed increases | | System pressures increase gradually reducing noise and stress on piping | | Quiet compressor startup | | Increased reliability due to 70% to 80% operational time is less the maximum speed (less wear) | | Ideal for backup generator and off grid photo voltaic solar applications |

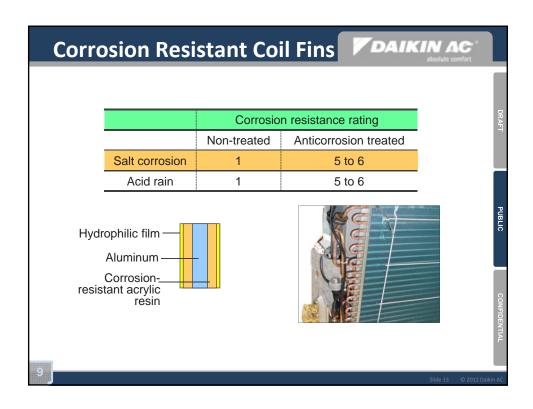


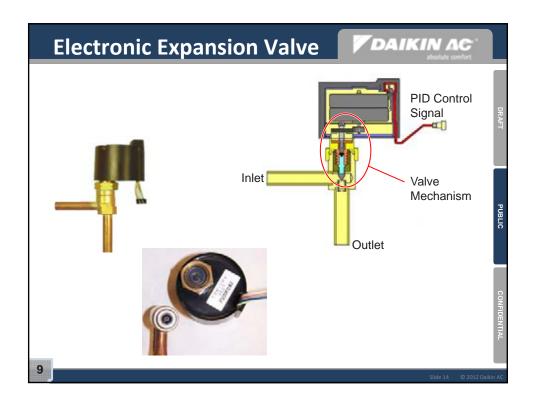




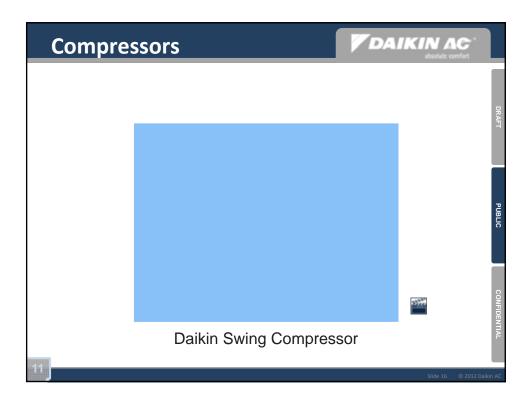


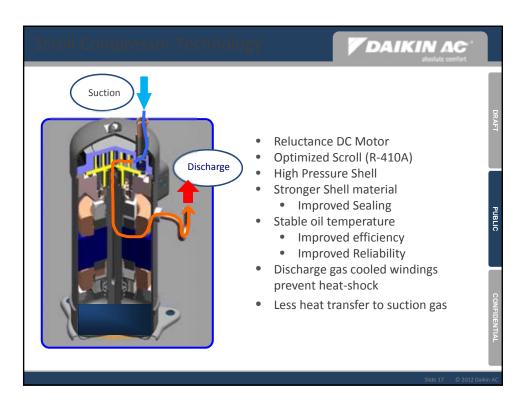




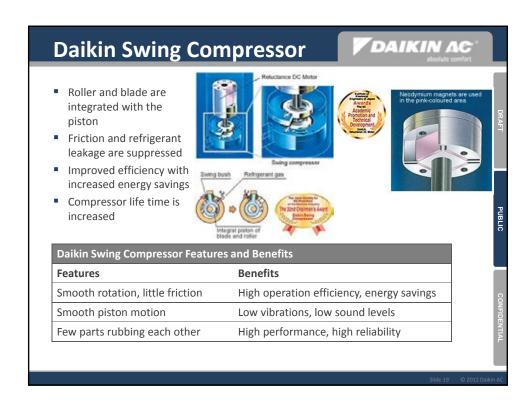






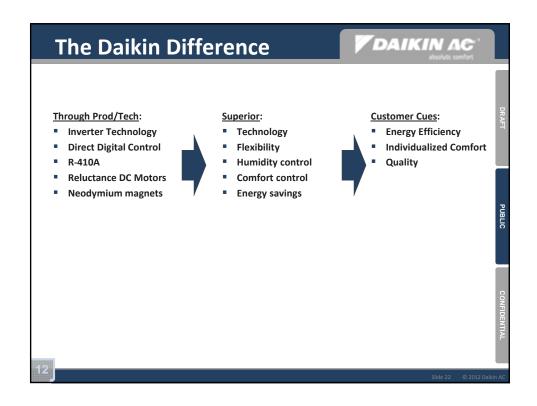


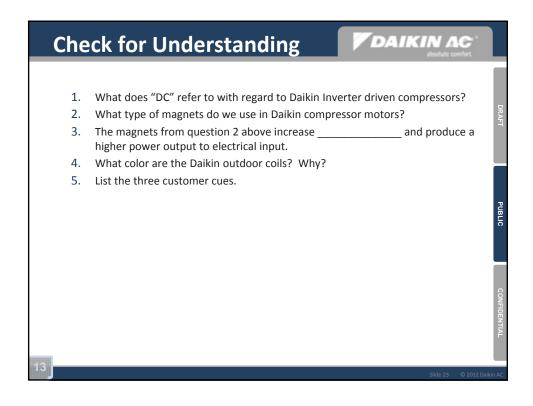


















Learning Objectives



- Understand the meaning of features, functions, and benefits and how to use them to your advantage in a sales setting.
- Understand and be able to discuss the full Daikin residential and light commercial family of products.
- Understand the "core" features, functions, and benefits (FFB) of Daikin products as a whole.
- Understand the FFB for each product category and be able to explain them to a potential buyer in a sales setting.

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The Way



- Introduction to features, functions, and benefits and working definitions for each concept
- Introduction to Daikin's residential and light commercial product line
 - RA single-split
 - Quaternity
 - RA multi-split (2-4 port)
 - RA Multi-PLUS (8 port)
 - SkyAir
 - VRVIII-S
- FFB for each product category

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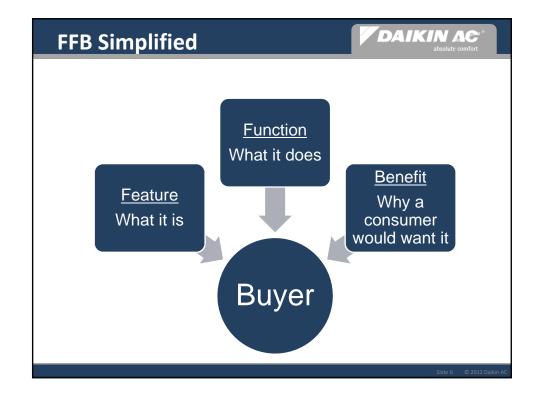
Features, Functions & Benefits Defined



- Feature a prominent aspect of something; a single or bundle of tangible and intangible attributes that a seller offers to a buyer for purchase.
- Function what something is used for; what something does; in this case, what the feature *does*.
- Benefit something that aids or promotes well-being; something that improves or helps to gain advantage; in this case, it is the benefit the buyer gets from the feature.

ilide 4 © 2012 Daikin





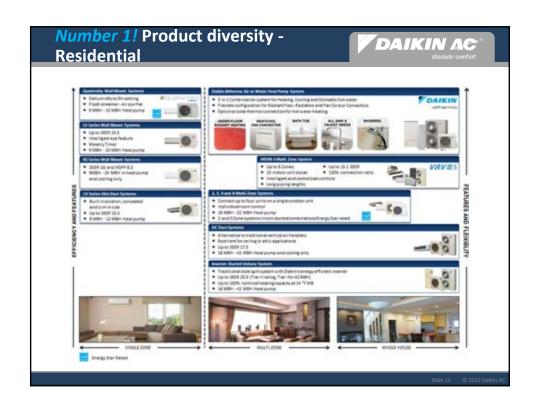
Core Features, Functions & Benefits DAIKIN AC absolute comfort		
FEATURES	FUNCTIONS	BENEFITS
R-410A refrigerant	High capacity heat transfer	High heating performance High system efficiency Ozone Friendly-No Chlorine
Inverter "variable-speed" technology	Controls or modulates system capacity to match the load as it changes	Energy efficiency by taking advantage of part load conditions
Digitally commutated compressors/neodymium magnets	Maximize torque and boost efficiency	Energy savings
Aero spiral fan	Reduces resistance and turbulence	Quiet operation
Self-diagnostic	Displays problem codes on LCD panel	Less repair time/costs
Corrosion-resistant coil fins	Provides 5-6 times greater resistance to corrosion	Increased endurance and reliability
Compact size	Uses a smaller footprint	Less space taken from home Less obtrusive
		Slide 7 © 2012 Daikin AC

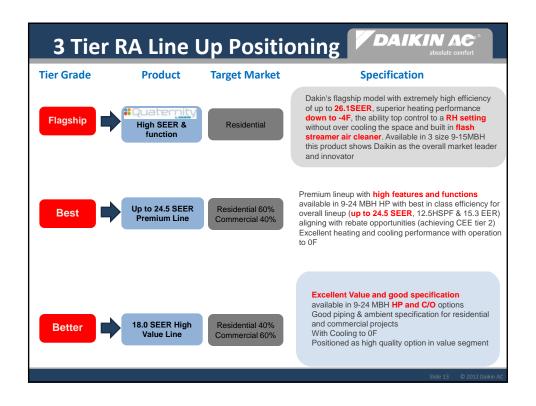
Check for Understanding – FFB "What it is" describes a _____ 1. ___ of a product. "Why a consumer would want it" describes a _____ "What it does" describes a _____ of a product. Match the features on the left side with the benefits on the right. Feature Benefit Self-diagnostic a. Minimal temperature fluctuation; increased comfort; quiet operation 5. Compact size b. Quiet operation 6. Inverter "variable-speed" technology c. Increased efficiency; environmentally friendly 7. Corrosion-resistant coil fins d. Less space taken from home; less obtrusive Aero spiral fan e. Increased endurance and reliability Digitally commutated Less repair time/costs compressors/neodymium magnets R-410A refrigerant g. Energy savings

DAIKIN AC **Check for Understanding – Answers** "What it is" describes a feature of a product. 2. "Why a consumer would want it" describes a benefit of a product. "What it does" describes a **function** of a product. Match the features on the left side with the benefits on the right. **Feature** Benefit Self-diagnostic **F** a. Minimal temperature fluctuation; increased comfort; quiet operation Compact size **D** 5. b. Quiet operation Inverter "variable-speed" techn A 6. Increased efficiency; environmentally friendly C. 7. Corrosion-resistant coil fins E d. Less space taken from home; less obtrusive 8. Aero spiral fan B e. Increased endurance and reliability Digitally commutated Less repair time/costs compressors/neodymium magnets 10. R-410A refrigerant C g. Energy savings

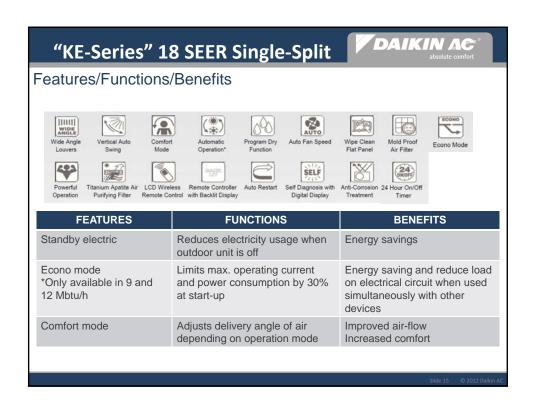


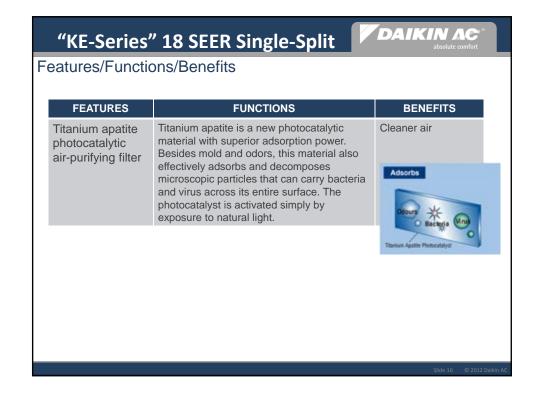






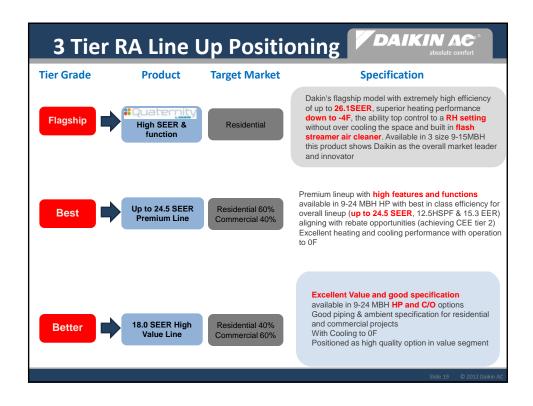






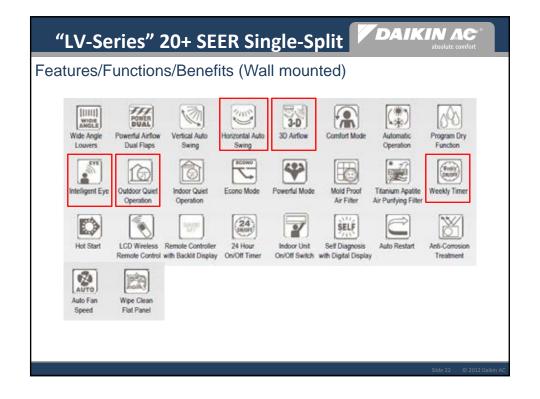








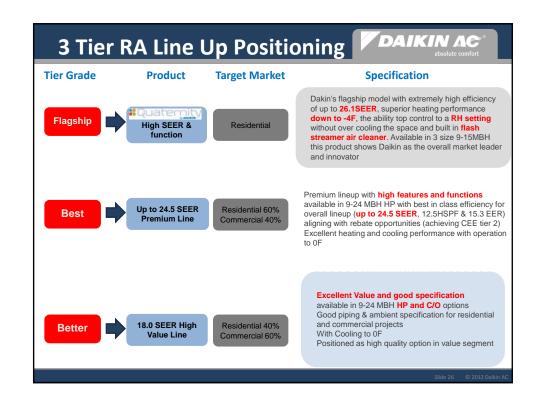




DAIKIN AC "LV-Series" 20+ SEER Single-Split Features/Functions/Benefits **FEATURES FUNCTIONS BENEFITS** 3D Airflow Combines vertical and horizontal auto-swing to Comfort and energy circulate cool/warm air to the corners of large savings Intelligent Eye The intelligent eye is an infrared sensor with the Energy saving ability to sense movement in the room. Outdoor unit Outdoor unit sound levels can be reduced by Comfort (neighbors) quiet operation 3dB for times when quieter operation is Weekly timer Enter up to four settings per day for each day of Convenience the week (on/off time. Temperature, etc).

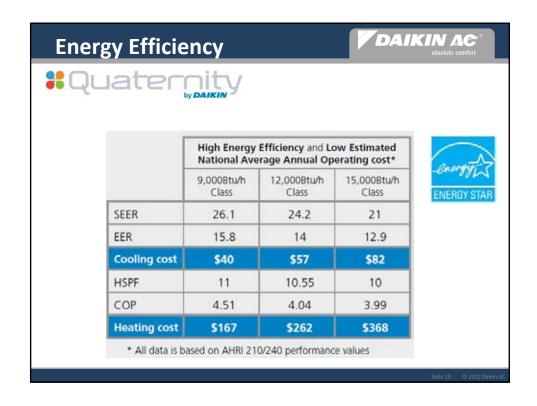


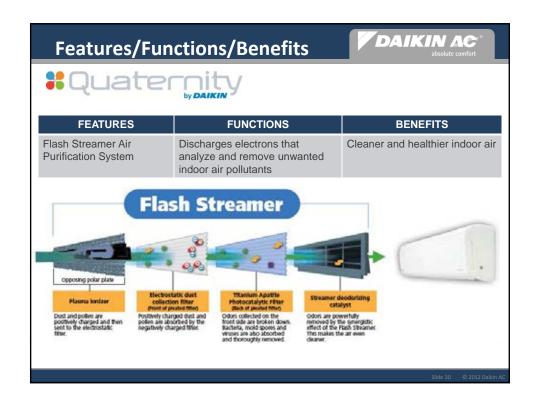


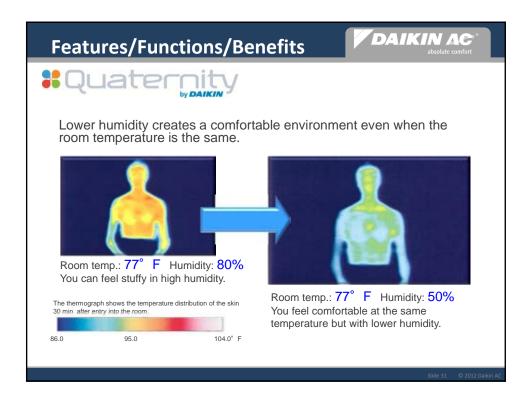














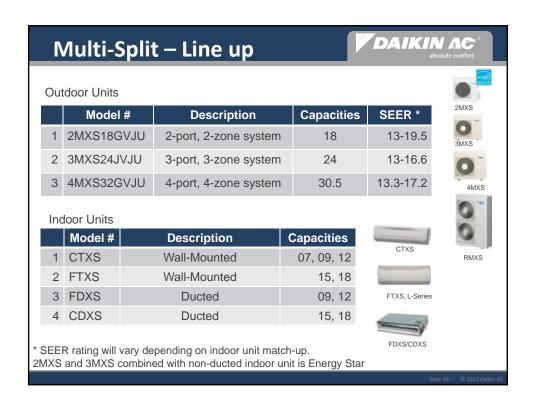




Paikin's 2-port, 3-port, and 4-port multi-split systems can serve up to four rooms from a single outdoor unit. With indoor unit options consisting of streamlined wall-mounted units, built-in slim duct units, or a combination of both, multi-split systems offer over 1,000 possible connection combinations, creating a powerful and energy efficient system.







Multi-Split 2-Port



- Nominal capacity 18,000 Btu/h cooling and 22,000 Btu/h heating
- Connects to CTXS and FDXS indoor units
- Up to 19.5-SEER / 12.6-EER
- Tier 2 Energy Star Rated (with wall mount only)
- 164 feet total pipe length
- 82 feet max on one leg
- Pre-charged for up to 98.4' of liquid line
- Sound Levels 50 to 51 decibels
- Operating Range
 - Cooling 14° to 115° F
 - Heating 5° to 72° F



Model 2MXS18JVJU







- Nominal Cooling Capacity 24,000 Btu/h (Heating 30,000 Btu/h)
- Connects to CTXS, FDXS, and FTXS indoor units
- Up to 16.6 SEER (HSPF 9.0)
- Tier 2 Energy Star Rated (with wall mount only)
- 230 feet total pipe length
- 82 feet max on one leg
- Pre-charged for up to 131.6 feet of liquid line
- Sound Levels 52 to 54 decibels
- Operating Range
 - Cooling 14° to 115° F
 - Heating 5 ° to 72° F



Model 3MXS24JVJU



Slide 40 © 2012 Daikin A

Multi-Split 4-Port



- Nominal Cooling Capacity 30,500 Btu/h (Heating 34,000 Btu/h)
- Up to 17.2 SEER (HSPF 9.3)
- · Connects to CDXS, CTXS, FDXS, and FTXS indoor units
- 230 feet total pipe length
- 82 feet max on one leg
- Pre-charged for up to 131.6 feet of liquid line
- Sound Levels 52 to 54 decibels
- Operating Range
 - Cooling 14° to 115° F
 - Heating 5 ° to 72° F



Model 4MXS32GVJU

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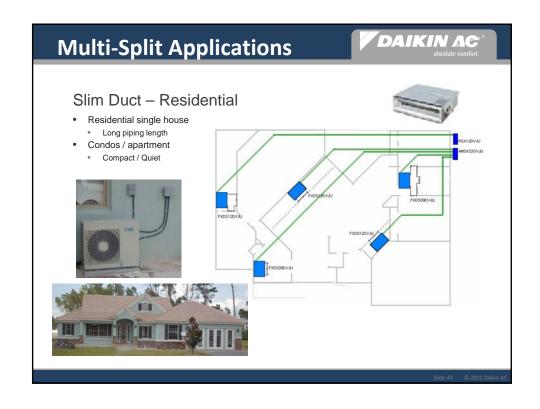
Multi-Split Features/Functions/Benefits



FEATURES	FUNCTIONS	BENEFITS	
Zoning	Settable room priority to achieve true zoning	Better control of temperatures from room to room (zoning) Better overall energy efficiency Better overall comfort	
Intelligent Eye*	Detects movement; goes to energy saving mode	Energy savings	
Powerful operation	Maximizes power for 20-minute period	Maximum comfort during high demand periods	
3-D Airflow *	Combines vertical and horizontal auto-swing to circulate air to corners of large spaces	Improved air flow Improved comfort No hot/cold spots	

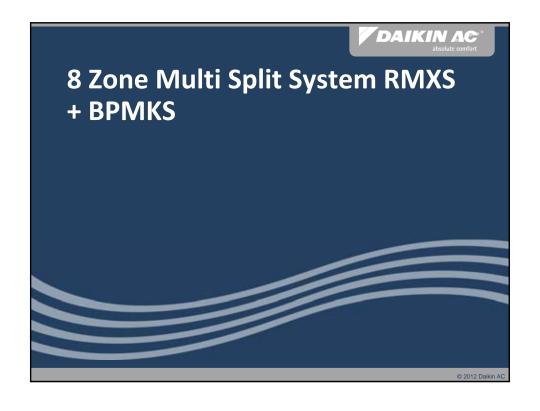
*Note – Intelligent Eye and 3-D Airflow apply only to wall-mount units.

Slide 42 © 2012 Daikir



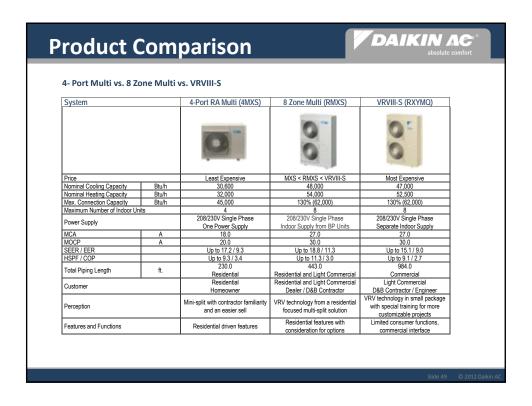






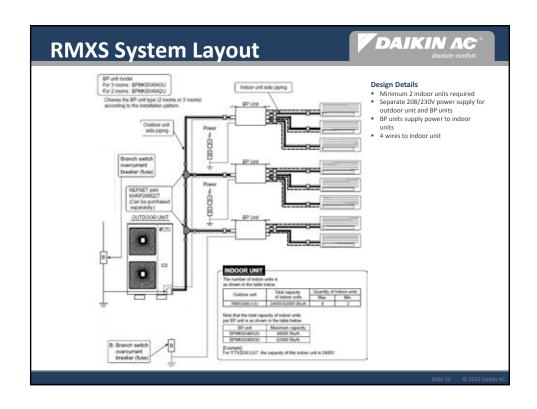






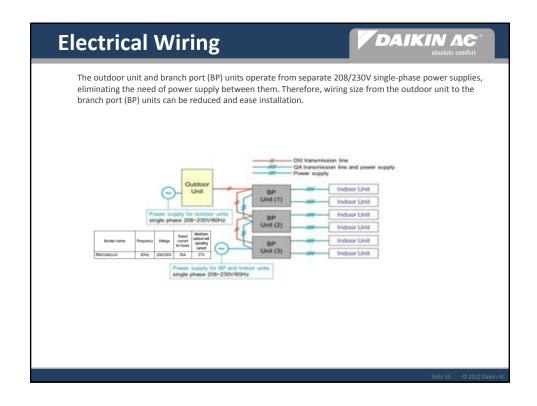


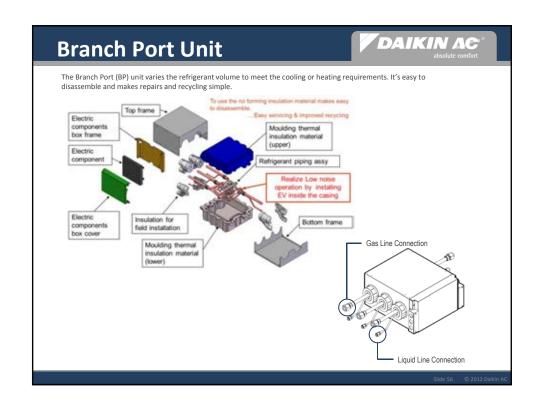
Technical Specifi	cation	ıs Com	netina	Manufa	cture							= Be	est in C	lass, 4	I-T Cap	acity
Manufacturer	cation	v 3. OOII	ipeting	wariara	L	Daik	in AC		Compa	anv M		Compar	nv F		Compan	v L
Nominal Cooling Car				Stu/h			48LVJU .000		48.0	,		48.00	,		54.000	,
Maximum Cooling Ca				Stu/n Stu/h			.000		54.0			51.10			63,200	
Nominal Heating Cap at 47 °F			Btu/h			-	,000		54,000			54,000			58,000	
Maximum Heating C	apacity a	at 47	Btu/h			61,000			60,000			57,000			64,000	
			Non Ducted			18.8	8 / 11.3 15.0 / 8.7			17.0 / 9.8			18.4 / 8.7			
SEER / HSPF			Mixed				16.5 / 10.5 14.8 / 8.8			15.8 / 9.5			17.1 / 8.3			
			Ducted			14.1 / 9.6			14.7 / 8.9			14.7 / 9.3			15.8 / 8.0	
		L	Non Ducted			10.3 / 3.0			8.3 / 3.28			9.25 / -			10.3 / 3.1	
EER / COP 47F	EER / COP 47F		Mixed			9.8 / 2.9			7.8 / 3.14			8.97 / -			MDNS	
				ucted		9.3 / 2.7			7.4 / 3.00			8.70 / -			MDNS	
Maximum Overcurrent Protection		ction	MOP (A)			30A 27A			50A 32A			40A		-	MDNS MDNS	
Minimum Circuit Am			MCA (A)			50 – 130			32A 22 - 130		-	MDNS 80 - 130		-	* - 135	
Connected Capacity Connectable Indoor			% Btu/h						70.2			62.000		-	73.000	
Cooling Operating R		_	°F			24,000 - 62,400 23 - 115			23 –		_	23 – 115		+	14 – 118.4	
	ating Operating Range		°F			5 - 75			5-			5 - 75			0 - 75	
riedling Operating Range		_	Total				13.0		377		_	377.0		_	475.7	
Max. Pipe Length ft				J to IU		230.0			230			180.0			295.3	
		F	Box	x to IU		49.2			49.0			49.0			49.2	
			OU	to Box		98.4			49.0			98.0		MDNS		
Max Pipe Height Diff	ference f	t	IU	to IU		49.2			39.0			49.0			49.2	
			OL	J to IU		9	8.4		98.0			98.0			98.4	
Indoor Unit Availa	bility											MDNS =	= Manufa	cturer D	oes Not S	Specify
Indoor Type			Wall M	ounted				Duct Mounted			2' X 2' 4 Wa			y Ceiling Cassette		
Capacity (MBH)	07	09	12	15	18	24	09	12	15	18	24	09	12	15	18	24
Daikin AC	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Company M	•	•	•	•	•	•	•	•	•	•	•		•		•	•
Company L		•	•		•	1	•	•	1	•			•		•	
Company F	•	•	•		•	•	•	•		•	•	•	•		•	•

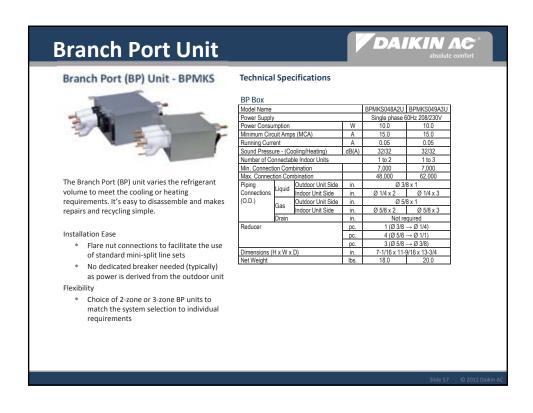




echnical S	PCCIII	catio	absolute com
Outdoor Unit			
Model Name		Outdoor Unit	RMXS48LVJU
Cooling Capacity	Nominal	Btu/h	48.000
Cooling Capacity	Maximum	Btu/h	54,000
Heating Capacity	Nominal	Btu/h	54,000
ricating Capacity	Maximum	Btu/h	61.000
SEER / HSPF	IVIGAIIIGIII	Non Ducted	18.8 / 11.3
02217711011		Mixed	16.5 / 10.5
		Ducted	14.1 / 9.6
EER / COP		Non Ducted	10.3 / 3.0
		Mixed	9.8/2.9
		Ducted	9.3 / 2.7
Power Supply			Single phase 60Hz 208/230V
Minimum Circuit Amps		A	27.0
Maximum Overcurrent Protection		A	30.0
Sound Pressure - (Cooling/Heating)		dB(A)	57/58
Connection Ratio (Max Capacity to Out	door Unit)		50% (24,000) - 130% (62,000)
Number of Connectable Indoor Units			2 to 8
Number of Connectable BP Units			1 to 3
Total Piping Length (Liquid Line Only)	Total Pipe Network	ft.	443
	OU - BP	ft.	180.4
	BP - IU	ft.	262.5
Max. Piping Length	BP - IU	ft.	49.2
	1st Branch - IU	ft.	131.2
Max. Height Difference	Total	ft.	433.0
	OU - BP	ft.	98.4
	OU - IU	ft.	98.4
	BP - BP	ft.	49.2
	IU - IU	ft.	49.2
Piping Connections - Liquid (O.D.)		in.	Ø 3/8
Piping Connections - Gas (O.D.)		in.	Ø 3/4
Piping Connection Kit		45.00	KHRP26A22T
Operating Range - Cooling		°F DB	23 – 115
Operating Range - Heating		°F DB	5 – 75
Dimensions (H x W x D)		in.	52-15/16 x 35-7/16 x 12-5/8
Net Weight		lbs.	283.0











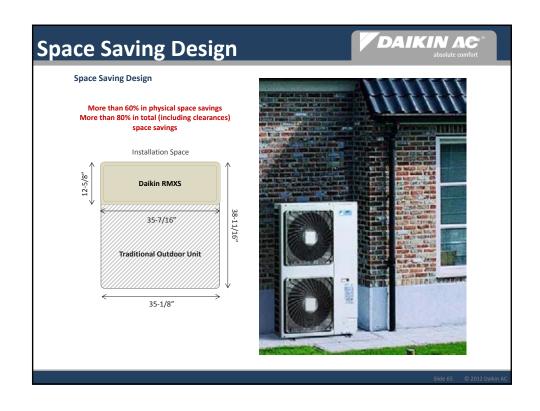


















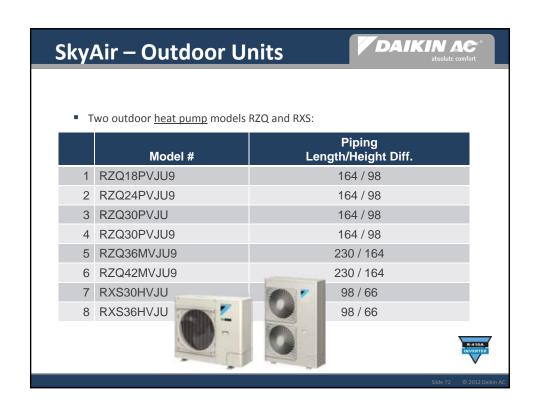
Highlights Sky Air

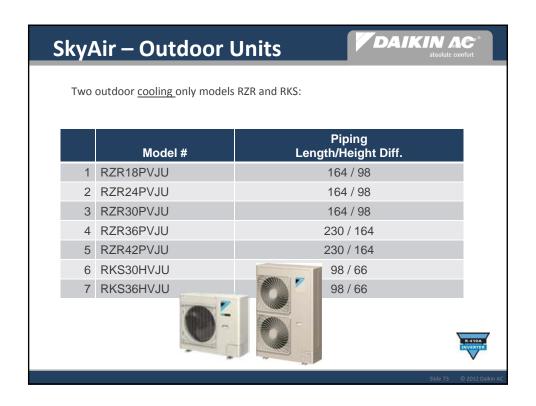
- Single phase power supply
- Capacities range from 18,000 to 42,000 Btu/h
- Efficiencies range from 13.8 SEER to 20 SEER
- The ultimate duct-free solution for restaurants, shops, small offices, data/server rooms and more light commercial applications.
- Also great for large residential bonus rooms, new additions, etc.
- With a choice of six indoor units and a long piping length of up to 230 feet, this system offers greater flexibility of installation.
- Largest one-to-one application with capacity up to 42,000 Btu/h.
- Cooling operating range as low as -40° with optional wind baffle and Low Ambient kit

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FEATURES	FUNCTIONS	BENEFITS
Larger capacity from 18,000 to 42,000Btu/h	Allows for a wide range of applications	Versatility
Low ambient cooling operation (0°)	Fulfills needed versatility for cooling	Maximum comfort in high demand conditions
Up to 230 ft. piping	Allows for a wide range of applications	Versatility
Can mount on wall-brackets	Allows installers to overcome less than ideal building characteristics	Versatility
Self-diagnostic capability	Provides error codes for faster diagnostic	Added reliability
Maximum height separation of 164 ft.	Allows for a wide range of applications	Versatility





FFB - FCQ Round Flow Unit **FEATURES FUNCTIONS BENEFITS** Draft prevention technology Eliminates draftiness Increased comfort Ceiling stain prevention Eliminates unsightly stains Clean appearance technology around unit Twenty three airflow Improved comfort Allows for customization of distribution patterns airflow Elimination of hot/cold spots More air exchanges Integration of outside air Allows fresh air ventilation if Optional flap shutoff Allows for corner installation Versatility when needed Eliminates drainage Standard built-in Reliability Performance condensation pump problems Optional wireless controller Allows for control from Convenience anywhere in the space Ease of use



FEATURES	FUNCTIONS	BENEFITS
Auto-swing capability - 100° pattern	Allows for better air distribution	Improved comfort Elimination of hot/cold spots
Lateral servicing space	Allows for corner, narrow space, wall and ceiling installations	Versatility Ease of use
Concealed piping	Allows installers to hide piping from view	No adverse effect on home/store décor
Optional wireless controller	Allows for control from anywhere in the space	Convenience Ease of use
Optional condensate pump	Eliminates drainage problems	Reliability Performance
Optional condensate pump		



FTQ Daikin Inverter Ducted



FTQ Specifications

- One of the first Variable Speed "Unitary"
- Indoor unit made in Japan
- Larger capacity range up to 3.5T (and very quiet)
- High energy efficiency up to 20.0 SEER- Premium positioning
- All models are CEE Tier 2 (except 42MBH)



Inverter Ducted Spec	ifications	1.5 Ton	2.0 Ton	2.5 Ton	3.0 Ton	3.5 Ton		
Model Name	Indoor	FTQ18PBVJU	FTQ24PBVJU	FTQ30PBVJU	FTQ36PBVJU	FTQ42PBVJU		
	Outdoor	RZQ18PVJU9	RZQ24PVJU9	RZQ30PVJU	RZQ36PBJU9	RZQ42PVJU9		
System Specifications								
Efficiency	SEER	20.0	19.0	19.5	18	17		
	EER	14.0	12.5	13.5	12.5	12		
	HSPF	12.0	11.5	10.0	9.5	8.5		
Power Supply		Single phase 60Hz 208/230V						
Rated Cooling Capacity	Btu/h	18,000	24,000	30,000	36,000	40,000		
Rated Heating Capacity	Btu/h	20,000	27,000	34,000	40,000	44,500		

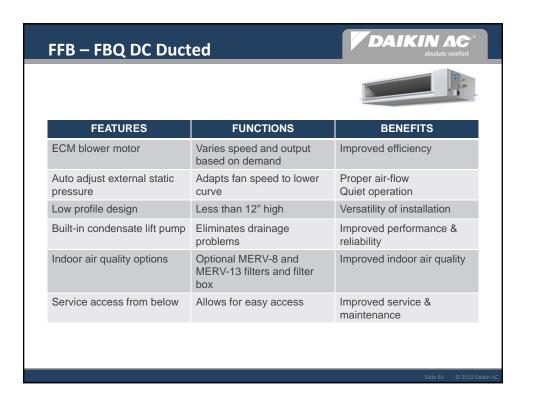
FFB – FTQ Daikin Inverter Ducted



FEATURES	FUNCTIONS	BENEFITS
Wide lineup of field-installed electric heater options	Allows for a wide range of applications	Versatility
Integrated heater control relays and logic	Reduces run times	Cost savings
Electric booster heater operation in combination with heat pump operation	Allows for a wide range of applications	Versatility
Reduced operational dead-band	Reduces on/off cycles resulting in longer run times at lower speeds	Increased comfort More even temps Less wear/tear
During electric heater operation, the indoor unit fan is fixed in H (High) speed regardless of the controller setting	Distributes more heat when it's needed the most	Increased comfort
Operating condition of the electric heater is programmable via a field setting	Allows for a wide range of applications	Versatility Cost savings

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SkyAir Horizontal Ducted



FBQ Specifications



- Excellent for residential ceiling/attic applications
- Target multi-family residences
- Efficiencies up to 17.5 SEER

Horizontal Ducted Specifica	tions	1.5 Ton	2.0 Ton	2.5 Ton	3.0 Ton	3.5 Ton
	Indoor	FBQ18PVJU	FBQ24PVJU	FBQ30PVJU	FBQ36PVJU	FBQ42PVJU
Model Name	Outdoor HP	RZQ18PVJU9	RZQ24PVJU9	RZQ30PVJU	RZQ36PVJU9	RZQ42PVJU9
	Outdoor C/O	RZR18PVJU	RZR24PVJU	RZR30PVJU	RZR36PVJU	RZR42PVJU
System Specifications						
	SEER	17.5	16.5	16.0	17.5	16.0
Efficiency	EER	14.1	12.0	10.5	11.2	10.2
	HSPF	10.6	10.5	9.2	9.1	8.8
Power supply		Single phase 60Hz 208/230V				
Rated cooling capacity	Btu/h	18000	24000	30000	36000	42000
Rated heating capacity	Btu/h	20000	27000	34000	40000	47000
Indoor Specifications						
Dimensions (HxWxD)	Inch	11-13/16×39-3/8×27-9/16 11-13/16×55-		5-1/8× 27-9/16		
Weight	Lbs	80		102		
Airflow rate (HH/H/L)	CFM	635/582/529	688/618/565	882/794/706	1130/953/81	1377/1165/988
Static pressure	inH2O	0.80-0.20 Standard 0.40				
Drain pump		Standard equipment				
Sound level	dBA	41/39/37	42/40/38	43/41/39	43/41/39	44/42/40

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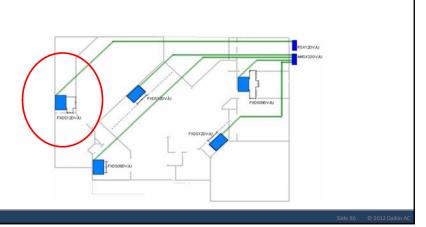
SkyAir Horizontal Ducted

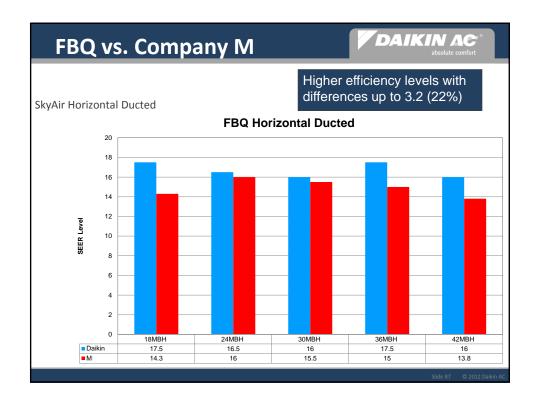


FBQ Applications (Residential)



- Great add-on / continuity in line with FDXS slim duct
- If a zone requirement is greater than 12MBH, use as an alternative







Check for Understanding - SkyAir



- 1. True or False the SkyAir system is available in both one-to-one and multi-port configurations?
- 2. How many options are there for the indoor unit and what are they?
- 3. What is the range of available Btu/h capacities for the SkyAir system?
- 4. What is the optimum SEER achievable by these systems?
- True/False the SkyAir outdoor unit can be mounted on wall brackets?
- 6. Select the SkyAir feature you like best and in your own words, tell me/us how you would explain it to a potential buyer.

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Check for Understanding – Answers



- 1. True or False the SkyAir system is available in both one-to-one and multi-port configurations? <u>False only available in one-to-one</u>.
- 2. How many options are there for the indoor unit and what are they? <u>Six-FAQ and FTXS wall-mounted</u>, <u>FCQ round flow cassette</u>, <u>FHQ ceiling suspended</u>, <u>FBQ DC Duct</u>, <u>and FTQ vertical air handler</u>.
- 3. What is the range of available Btu/h capacities for the SkyAir system? <u>18,000 42,000.</u>
- 4. What is the optimum SEER achievable by these systems? <u>19.3.</u> True/False – the SkyAir outdoor unit can be mounted on wall brackets? <u>True.</u>
- 5. Select the SkyAir feature you like best and in your own words, tell me/us how you would explain it to a potential buyer.

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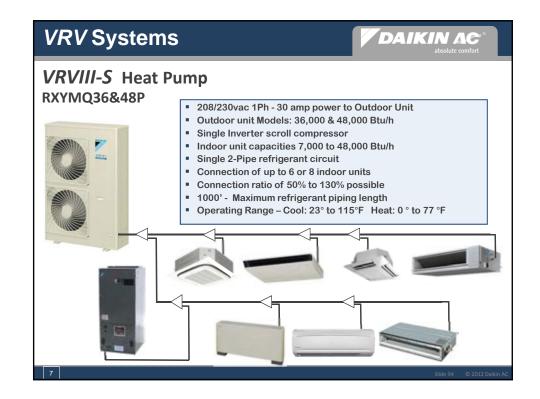
URV® Technology Inverter-driven compressor varies or modulates capacity based on demand. Delivers solution that constantly responds to the demand, delivering an unparalleled level of both temperature control and Absolute Comfort™. Ideal for today's "intelligent" buildings such as hotels, banks, offices and hospitals.

VRVIII-S Highlights



- Independent zoning control with maximum flexibility and energy savings
- Up to eight indoor units to one outdoor unit
- Light commercial
 - High efficiency solution for small commercial buildings
 - Ducted and ductless indoor units
- Residential
 - Excellent alternative for residential new construction, renovations and add-ons
 - Long piping length allows for multiple floors to be served by a single outdoor condensing unit

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VRVIII-S – Outdoor Units			DAIKIN	AC° ute comfort	
	Model #	Configuration	Nominal Cooling Capacity (Btu/hr)	Nominal Heating Capacity (Btu/hr)	SEER
1	RXYMQ36PVJU	Ductless	36,000	42,000	14.9
2	RXYMQ36PVJU	Ducted	36,000	42,000	14.0
3	RXYMQ36PVJU	Mixed	36,000	42,000	14.5
4	RXYMQ48PVJU	Ductless	47,500	52,500	15.1
5	RXYMQ48PVJU	Ducted	47,500	52,500	13.2
6	RXYMQ48PVJU	Mixed	47,500	52,500	14.2
			R-410A Inverse	0 =	
			·	Slide 9	95 © 2012 Daikin

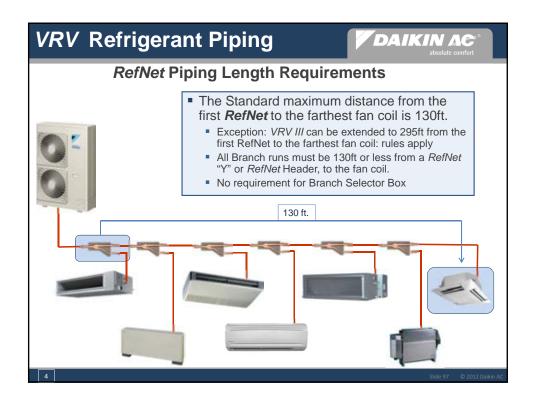
VRVIII-S – Piping Specifications

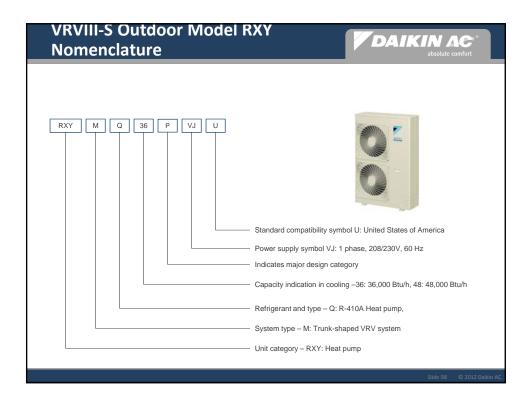


Piping Specs	Feet
Linear piping between condensing unit and furthest located fan coil in unit (equivalent)	492 (580)
Total "one-way" piping in the complete piping network	984
Vertical (height) separation between condensing unit and fan coil units (if outdoor unit is below)	164 (130)
Vertical (height) separation between fan coil units	49
Linear piping between first REFNET* and furthest located fan coil unit	130

^{*} REFNET joints in the copper line set distribute an equal flow of refrigerant in every branch of piping network.

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VRVIII-S - FFB



Daikin has taken a unique approach with the FFB for the VRVIII-S product line via its "7S for Success" concept:

FEATURES	FUNCTIONS	BENEFITS
Single-phase	Perfect solution for light commercial and residential applications	Ease of installation
Smaller capacity	Allows precise temperature control over entire space	Flexible application
Space-saving design	Requires minimal footprint outside	Concealable / non obtrusive
Superior energy efficiency	Uses less energy especially under partial load conditions	Energy savings
Soft sound level	Promotes quieter indoor units	Quiet operation
Single-supplier	Factory engineered, 80% complete upon delivery and industry-leading warranty	Reliability Quality
S traight-forward maintenance	Self-diagnostic function that offers straight-forward maintenance/service	Reliability/ease of service

Check for Understanding – VRVIII-S 1. The key characteristic of VRV technology is that the unique and highly intelligent inverter-driven compressor varies or modulates ______ based on ____ 2. The VRVIII-S system allows for up to _____ indoor units to ___ outdoor units. 3. The 36,000 Btu/h outdoor unit can connect to _____ __ indoor units while the 48,000 Btu/h unit can connect to _____ indoor units. 4. You learned that Daikin offers three indoor ducted units for the VRVIII-S system. Name all three. Write the letter from the images after the matching descriptions: 5. FXHQ_MVJU ceiling suspended _____ 6. FXAQ_MVJU wall mounted ____ С 7. FXNQ_MVJU floor standing concealed _ 8. FXFQ_PVJU round flow ceiling mounted _ 9. FXZQ_M7VJU 4-way ceiling mounted _ 10. FXLQ_MVJU floor standing exposed unit __ D

Check for Understanding – Answers



- The key characteristic of VRV technology is that the unique and highly intelligent inverter-driven compressor varies <u>output</u> based on <u>demand</u>.
- 2. The VRVIII-S system allows for up to $\underline{\textbf{eight}}$ indoor units to $\underline{\textbf{one}}$ outdoor units.
- 3. The 36,000 Btu/h outdoor unit can connect to \underline{six} indoor units while the 48,000 Btu/h unit can connect to \underline{eight} indoor units.
- You learned that Daikin offers three indoor ducted units for the VRVIII-S system. Name all three - <u>FTXQ vertical air-handler, FXMQ ceiling concealed, and FXDQ slim duct</u> <u>built-in concealed.</u>

Write the letter from the images after the matching descriptions:

- 5. FXHQ_MVJU ceiling suspended **D**
- 6. FXAQ_PVJU wall mounted **C**
- 7. FXNQ_MVJU floor standing concealed **F**
- 8. FXFQ_PVJU round flow ceiling mounted A
- 9. FXZQ_M7VJU 4-way ceiling mounted **B**
- 10. FXLQ_MVJU floor standing exposed unit $\underline{\textbf{E}}$



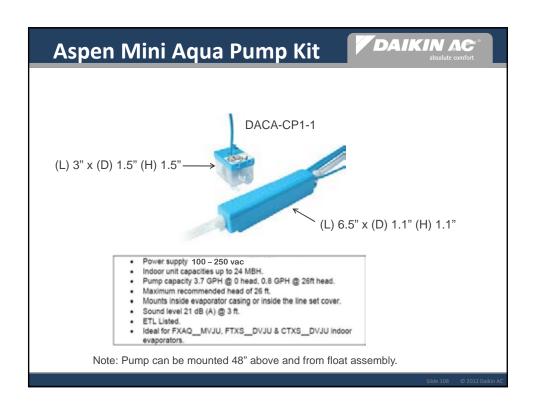
To Support You - The standard warranty provides a solid level of protection with the warranty plus program offering additional protection – the best warranty program in the ductless industry.



Daikin Warranty Schedule		Standard Warranty	Warranty Plus	
Product		C/P/L	C/P/L	
Quaternity, L-Series, Single Split and Multi-Split		7/5/0	10/7/0	
KE-series Single Split		6/2/0	7/6/0	
SkyAir Systems		7/5/0	10/7/0	
VRV Systems		6/1/0	7/5/0	
Daikin Altherma	Outdoor and Hydrobox	7/5/0	10/7/0	
	Fan Coil Unit	5/0	5/0	
	Tank	5/0	10/0	

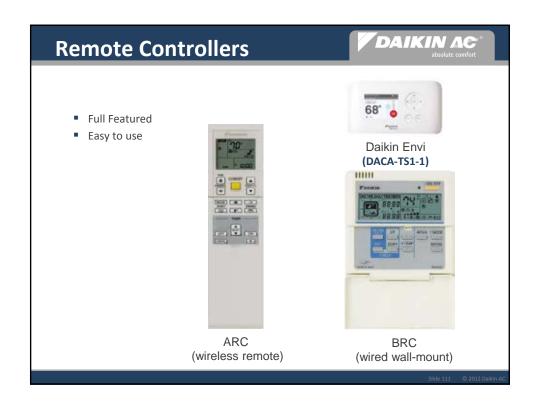
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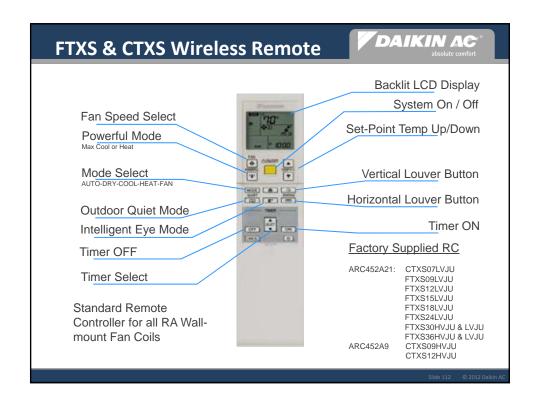


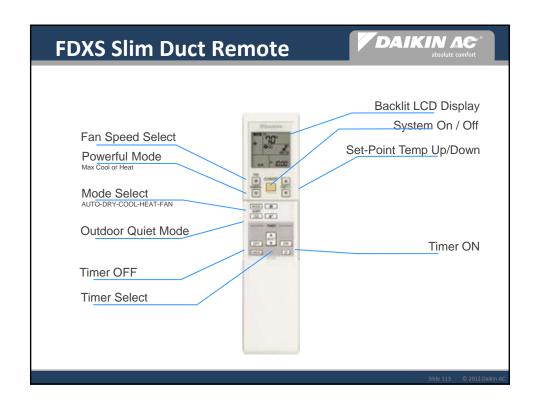






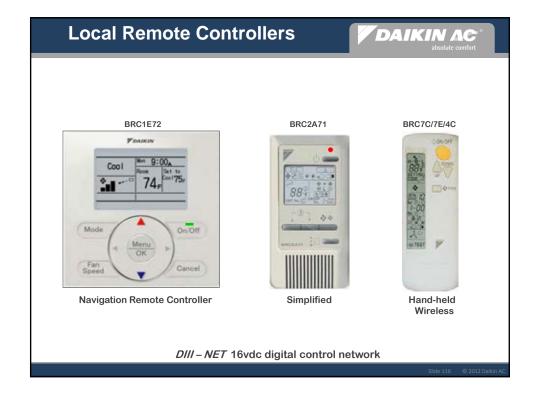


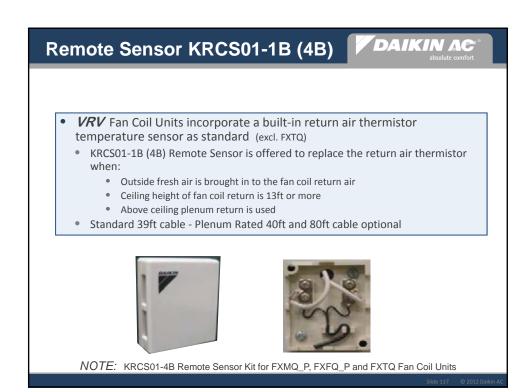




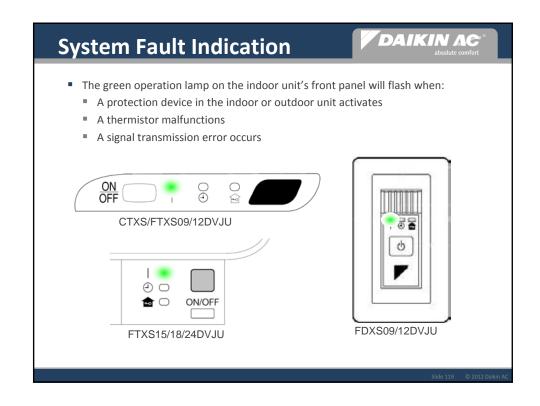


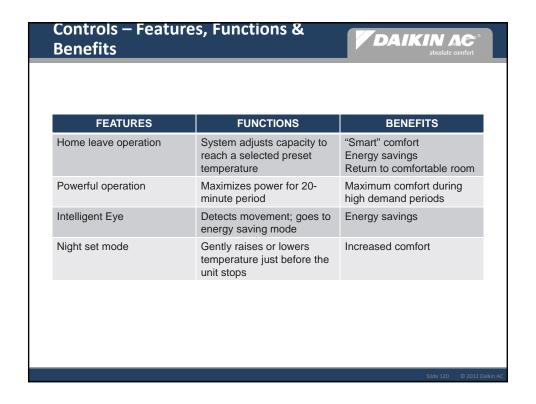












Check for Understanding – Controls



- 1. What are the two types of controllers available for the units we've reviewed today?
- 2. Which of the two types of controllers comes standard with the system?
- 3. What is visible on a remote controller that indicates normal operation?
- 4. What indication does the user get when there is a problem?
- 5. Select the controller feature you like best and in your own words, tell how you would explain the FFB to a potential buyer.

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Check for Understanding – Answers



- 1. What are the two types of controllers available for the 4 wire units we've reviewed today? <u>Hand-held wireless and wall mounted wired</u>.
- 2. Which of the two types of controllers comes standard with the system? *Hand-held wireless*.
- 3. What is visible on a remote controller that indicates normal operation? *A steady green light*.
- 4. What indication does the user get when there is a problem? *Flashing green light*.
- 5. Select the controller feature you like best and in your own words, tell how you would explain the FFB to a potential buyer.

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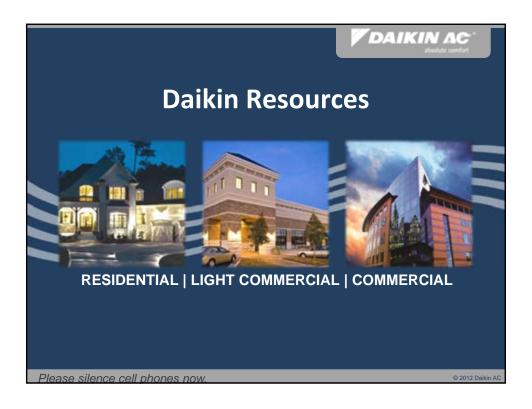
Closing & Review



- Understand the meaning of features, functions, and benefits and how to use them to your advantage in a sales setting.
- Understand and be able to discuss the full Daikin residential and light commercial family of products.
- Understand the "core" features, functions, and benefits (FFB) of Daikin products as a whole.
- Understand the FFB for each product category and be able to explain them to a potential buyer in a sales setting.

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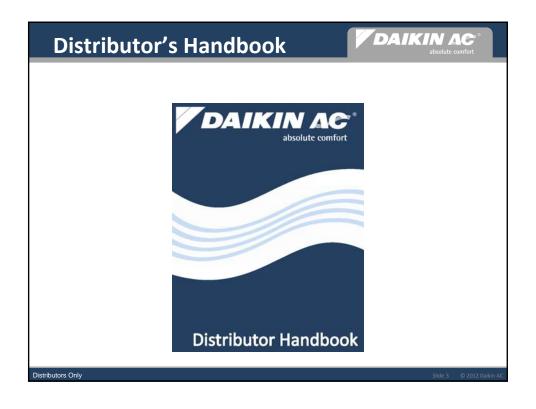


Learning Objectives



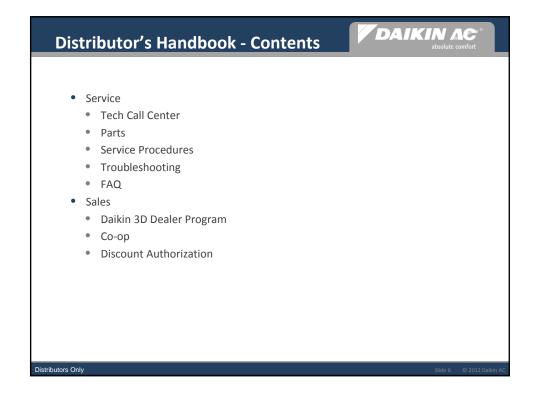
- Gain a basic understanding of the Distributor's Handbook.
- Gain a basic understanding of the Dealer's Handbook
- Understand what the Technical Resource Library (TRL) is and what it can do for you.
- Become familiar with the Dr. Daikin service and how to use it.
- Learn basic information about the Daikin Spare Parts Group and the services they provide.
- Understand who Daikin AC University is and how to use them as a resource to learn more about Daikin from technical, business and sales perspectives.

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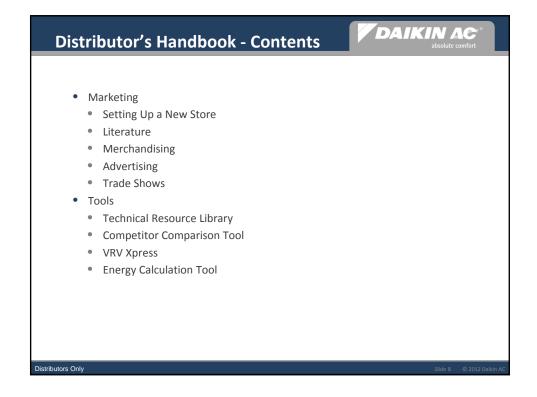


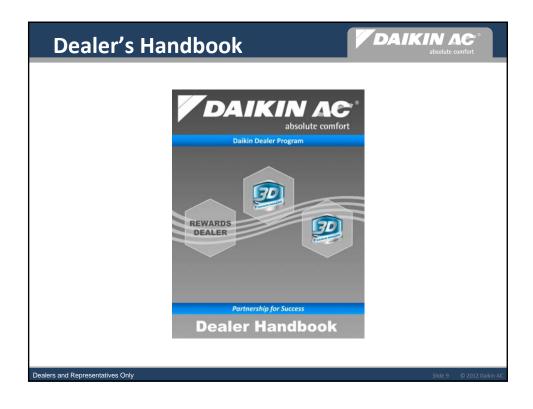
Distributor's Handbook - Highlights Output Output

Distributor's Handbook - Contents Contacts/Contact Information Product Information Portfolio Compatibility Model Nomenclature Efficiency Data Policies & Procedures Commissioning Order & Shipment Warranty Returns



Distributor's Handbook - Contents 1 Training Daikin AC University Professional Development Instructor-Led Courses/Course Descriptions On-Site Training Registration Process Web-Based Training Distributors Only





• Who? • Designed, developed, and maintained by Daikin AC for all Daikin Representatives and Dealers. • What? • An important resource for all Daikin Representatives and Dealers. • When? • In stock now. • Where? • Available through the Dealer portal, on Daikinlink.com, and provided in your dealer welcome kit.

Dealer's Handbook - Contents



- Training Daikin AC University, Web Based Training, On-Site Training
- Warranty Program Levels, Process Flow, Daikin Care, Standard Limited and Warranty Plus documents
- Marketing Services Advertising
- Portals Daikin Link, Daikin 3D Dealer Program Portal
- Marketing Guidelines Logos and Styles
- Product Info Product Portfolio
- Tools Competitor and Performance Comparison Tools, Energy Calculation Tool, and Daikin Altherma Tool

Dealers and Representatives Only

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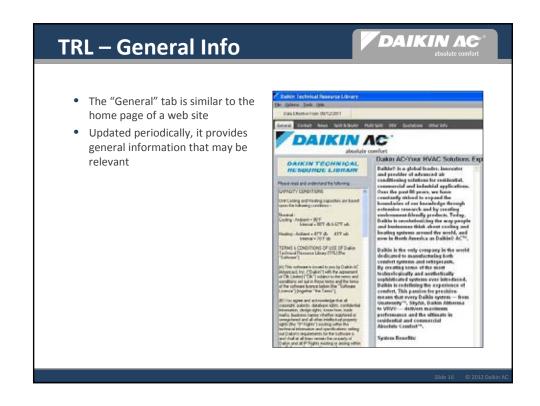
TRL - Highlights

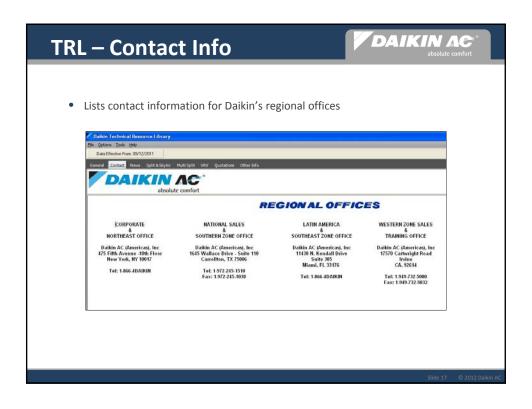


- Who?
 - Designed, developed and maintained by Daikin's Product Marketing Group for all Daikin distributors, representatives, and employees.
- What?
 - An important library of information for those same groups.
- When?
 - Available on an ongoing basis.
- · Where?
 - Downloaded to your computer.
- How?
 - Access is given by your Daikin sales representative.

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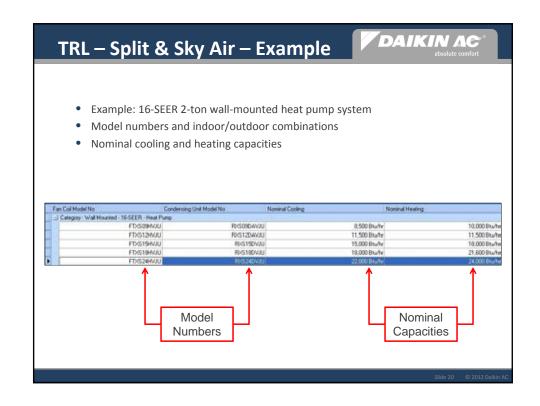


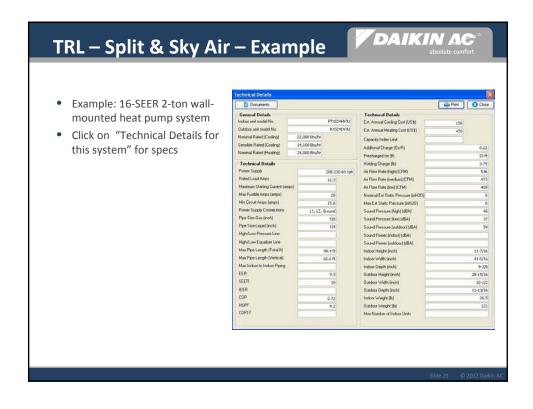


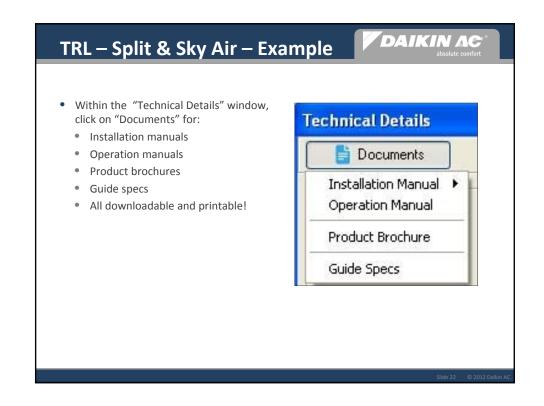


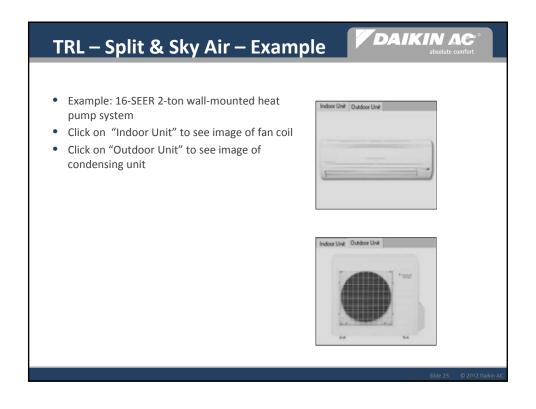


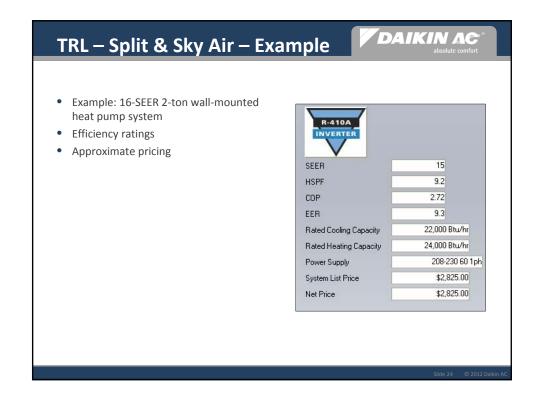




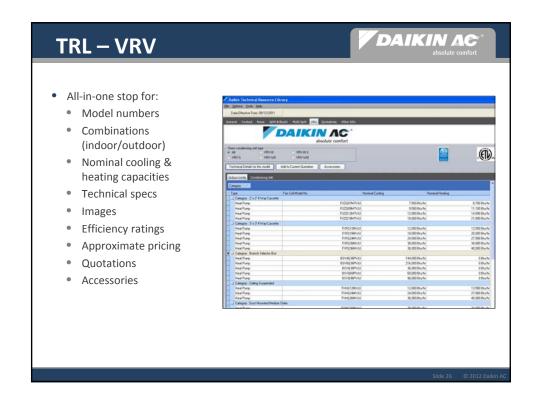


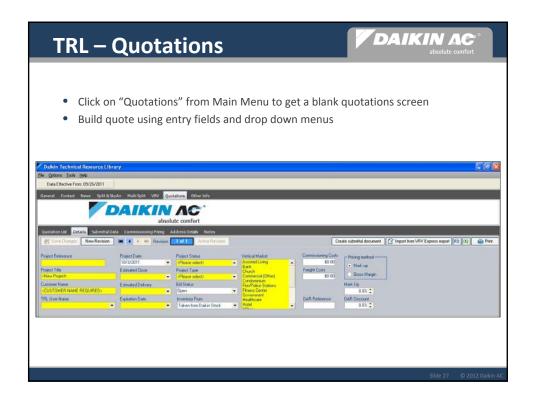


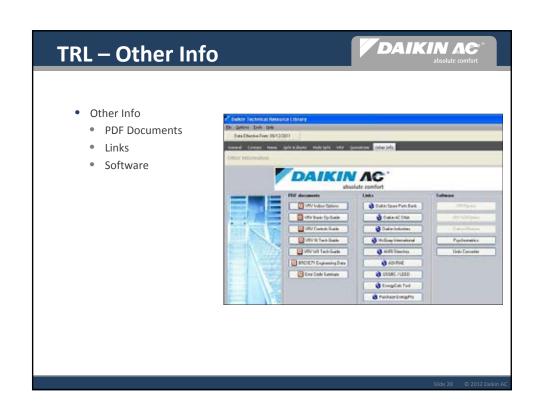












Daikin eQuip App



- Please note: Access to modules requires registration through the Daikin eQuip app (Wifi or Cellular service required). Users will be designated a user type based on registration criteria and will have access to select modules and functions.
- How do I get it? Search "Daikin eQuip" in the Apple App Store or Android Market for a quick and easy download. Best of all, it's free!
- Is my smart phone or tablet compatible with Daikin eQuip? Daikin eQuip is available for Apple devices running iOS 5.0 or higher and Android devices running Android 4.1 or higher.
- Features Fit for Your On-the-Go Needs Instantly search, share, and send information via email or text such as:
 - Technical data
 - Product manuals and documents
 - Marketing flyers and brochures
 - Pricing and availability of spare parts and generated quotations
 - Daikin 3D Dealers by city along with their direct contact information



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Dr. Daikin



- Quick and easy way to identify fault codes related to Daikin VRV, SkyAir and RA systems
- Instantly receive information related to error code
- Unlimited 24 x 7 x 365 access to Dr. Daikin at no charge via three methods:
 - Web via PC www.drdaikin.com
 - Mobile web via smart phone <u>www.mobile.drdaikin.com</u>
 - SMS text messaging (standard SMS text rates per carrier apply) to 32705

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Spare Parts Group



- Other key responsibilities include:
 - Parts inventory
 - Parts sales history for past 5 years
 - Stocking levels of parts (minimum & maximums, lead times)
 - Warranty failure rates by part, model, region
 - Identify functional importance of each part
 - Quickly respond to customer's inquiries and needs

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Spare Parts Group – Contact Info



1645 Wallace Drive, Suite 110 Carrollton, Texas, 75006

Tel: 1-866-4DAIKIN Tel: 972-512-1957

Fax: 1-866-367-4750 Fax: 972-245-1038

Web: www.daikinac.com

E-mail: spareparts@daikinac.com



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Daikin AC University – Our Mission



Our mission is to offer our customers the best training in the industry, exhibited by a variety of quality training programs designed to provide the tools and resources needed for our customers to be successful.



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We embrace and stand by this commitment through the development of our state-of-the-art training centers, highly trained and experienced instructional staff and professionally developed curriculum.

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Daikin AC University - Curriculum



- Courses designed by training professionals around specific objectives based on industry needs and job task analysis
- Choice of instructional settings based on the program goals and our students' needs including:
 - On-line/on-demand web-based training (WBT)
 - Instructor-led webinars
 - Instructor-led on-site training
 - Instructor-led classroom training at Daikin Authorized training facilities.



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Professional Development Hours



- The majority of states require professional engineers and others to complete professional development hours for license renewal.
- Ten professional development hours count towards one continuing education unit.
- Daikin AC is pleased to provide professional development hours in most states



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NATE Testing





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Daikin AC University – Contact Info



1645 Wallace Drive, Suite 110 Carrollton, Texas, 75006

Tel: 1-866-4DAIKIN Tel: 972-245-1510

Fax: 972-245-1038

Web: www.daikinuniversity.com

E-mail: training@daikinac.com



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Closing & Review



- Learning Objectives:
 - Gain a basic understanding of the Distributor's Handbook.
 - Understand what the Technical Resource Library (TRL) is and what it can do for you.
 - Become familiar with the Dr. Daikin service and how to use it.
 - Gain a basic understanding of the Daikin Spare Parts Group and how to use them as a resource.
 - Understand who Daikin AC University is and what they can do for you.

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RLC Product & Applications SA-RLC-0113-TTK-01A



2013

Scheduled Time	Activity		
Day 1			
Pre-Class	Coffee/Continental Breakfast		
	Velcome, Logistics, Introductions, Etc.		
	Module 1.0: Introduction to Daikin		
	Module 2.0: Market Opportunities		
	Module 3.0: The Daikin Difference		
	Module 4.0: Features, Functions, & Benefits		
	Module 5.0: Daikin Resources		