

New Daikin 4-Ton 8 Zone Super Multi PLUS System (RMXS) and New Multi-Split Indoor Units

Daikin AC is pleased to introduce the new 8 Zone Super Multi PLUS System targeting residential and light commercial markets. The Super Multi PLUS complements and expands our current multi-split portfolio and provides superior efficiency and flexibility with the ability to connect 2 to 8 indoor units from a variety of indoor unit options including Daikin's new 2' X 2' ceiling cassette units (9 – 18 MBH), wall mounted units (7 MBH – 24 MBH), and new extended range of slim duct units (9 – 24 MBH).

Product Overview

The Super Multi PLUS system is available from April 2013 and the launch will include the following new models: -

RMXS48LVJU 4.0 Ton Super Multi PLUS Condensing Unit

BPMKS048A2U 2 Zone Branch Provider Box

BPMKS049A3U 3 Zone Branch Provider Box

CDXS24LVJU 2.0 Ton Slim Duct Built-in Unit

FFQ09LVJU 0.75 Ton 2' X 2' Ceiling Cassette Unit




FFQ12LVJU 1.0 Ton 2' X 2' Ceiling Cassette Unit

FFQ15LVJU 1.25 Ton 2' X 2' Ceiling Cassette Unit

FFQ18LVJU 1.5 Ton 2' X 2' Ceiling Cassette Unit



Daikin AC's new Branch Provider (BP) unit allows the Super Multi PLUS to connect from 2 to 8 indoor units with indoor unit capacities up to 130% (62,000 Btu/h) of the outdoor unit

Product Image	Model Number	Outdoor Unit				Standard Controller			Optional Controller			
		2MXS18GVJU	3MXS24JVJU	4MXS32GVJU	RMXS48LVJU	ARC452A9	ARC452A21	ARC452A23	Daikin ENVi	BRC7E530W	BRC944B2	BRC1E72
 Wall Mounted	CTXS07LVJU	✓	✓	✓	✓	✓			✓		✓	
	CTXS09HVJU	✓	✓	✓	✓	✓			✓		✓	
	CTXS12HVJU		✓	✓	✓				✓		✓	
	FTXS15LVJU		✓	✓	✓				✓		✓	
	FTXS18LVJU		✓	✓	✓			✓	✓		✓	
FTXS24LVJU			✓	✓	✓		✓	✓	✓		✓	
 Ducted	FDXS09LVJU	✓	✓	✓	✓			✓	✓		✓	
	FDXS12LVJU		✓	✓	✓			✓	✓		✓	
	CDXS15LVJU		✓	✓	✓		✓	✓	✓		✓	
	CDXS18LVJU		✓	✓	✓			✓	✓		✓	
	CDXS24LVJU			✓	✓	✓			✓		✓	
 Cassette	FFQ09LVJU	✓	✓	✓	✓					✓		✓
	FFQ12LVJU		✓	✓	✓					✓		✓
	FFQ15LVJU		✓	✓	✓					✓		✓
	FFQ18LVJU		✓	✓	✓	✓				✓		✓

✓ Official combination

Product Information

The new Super Multi can serve up to 8 rooms with the addition of indoor units extending our current range of indoor unit availability to include a total of 15 models in 3 different types for design flexibility with individual comfort control.

Product class leading efficiency levels (4-Ton Multi-Split Heat Pump) are available with ratings up to SEER 18.8 for non-ducted combinations and up to HSPF 11.3.



2' X 2' Ceiling Cassette (New)

To meet the growing demand of the market and to satisfy the requests of customers, Daikin AC is pleased to introduce the new 2' X 2' ceiling cassette, FFQ_LVJU, for multisplit systems only to complement our current range of indoor units. These units provide customizable comfort with four-way directional airflow and easy adjustments for corner or corridor installation. Compact with an easy-to-clean grille and sophisticated decoration panel, these units are designed to fit nearly flush with or into a standard ceiling tile for an unobtrusive interior finish. Ideal for both residential and light commercial applications, the 2' X 2' is great for new or retrofit homes, offices, and retail spaces.



The 2' X 2' is compatible with the new Navigation Remote Controller BRC1E72. The configurable display offers 3 options with an advanced display great for residential applications and a simplified display ideal for applications such as hotels wanting to only provide the necessary buttons to users for comfort without confusion.

Indoor Units - CTXS_HVJU, CTXS_LVJU, and FTXS_LVJU Wall Mounted Units							
Model Name		CTXS07LVJU	CTXS09HVJU	CTXS12HVJU	FTXS15LVJU	FTXS18LVJU	FTXS24LVJU
Cooling Capacity (Nominal)	Btu/h	7,000	9,000	12,000	15,000	18,000	21,000
Heating Capacity (Nominal)	Btu/h	8,500	12,000	14,400	18,000	21,600	25,400
Airflow-Wet (H/M/L/SL)	CFM	332/261/194/145	388/335/283/-	388/335/283/-	568/477/385/360	583/484/385/360	643/494/350/328
Airflow-Dry (H/M/L/SL)	CFM	350/290/233/219	400/357/314/-	400/357/314/-	593/505/417/371	625/526/431/399	699/572/445/403
Sound Pressure - Cooling	dB(A)	38/32/25/22	44/40/35/-	45/41/36/-	45/40/35/32	46/41/36/33	51/44/37/34
Sound Pressure - Heating	dB(A)	38/33/28/25	44/39/34/-	45/40/35/-	43/38/33/30	45/40/35/32	48/42/37/34
Piping Connections	Liquid (O.D.)	in.	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4
	Gas (O.D.)	in.	Ø 3/8	Ø 3/8	Ø 1/2	Ø 1/2	Ø 5/8
	Condensate Drain	in.	Ø 5/8	Ø 11/16	Ø 11/16	Ø 5/8	Ø 5/8
Dimensions (H x W x D)	in.	11-5/8 x 31-1/2 x	11-7/16 x 31-5/16 x 9-3/8			13-3/8 x 41-5/8 x 9-3/4	
Net Weight	lbs.	20.0	20.0	20.0	31.0	31.0	31.0
Indoor Units - FDXS_LVJU and CDXS_LVJU Slim Duct Units							
Model Name			FDXS09LVJU	FDXS12LVJU	CDXS15LVJU	CDXS18LVJU	CDXS24LVJU
Cooling Capacity (Nominal)	Btu/h		8,500	11,500	15,000	18,000	21,000
Heating Capacity (Nominal)	Btu/h		10,000	11,500	18,000	21,600	25,400
External Static Pressure	"W.G.		0.12	0.12	0.16	0.16	0.16
Airflow-Wet (H/M/L/SL)	CFM		305/280/260/235	305/280/260/235	424/388/353/297	424/388/353/297	565/523/477/395
Airflow-Dry (H/M/L/SL)	CFM		305/280/260/235	305/280/260/235	424/388/353/297	424/388/353/297	565/523/477/395
Sound Pressure - Cooling	dB(A)		35/33/31/-	35/33/31/-	37/35/33/31	37/35/33/31	38/36/34/32
Sound Pressure - Heating	dB(A)		35/33/31/-	35/33/31/-	37/35/33/31	37/35/33/31	38/36/34/32
Piping Connections	Liquid (O.D.)	in.	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4
	Gas (O.D.)	in.	Ø 3/8	Ø 3/8	Ø 1/2	Ø 1/2	Ø 5/8
	Condensate Drain	in.	Ø 25/32	Ø 25/32	Ø 25/32	Ø 25/32	Ø 25/32
Dimensions (H x W x D)	in.		7-7/8 x 27-9/16 x 24-7/16			7-7/8 x 35-7/16 x 24-7/16	
Net Weight	lbs.		47.0	47.0	60.0	60.0	60.0
Indoor Units - FFQ_LVJU 2' X 2' Ceiling Cassette Units							
Model Name			FFQ09LVJU	FFQ12LVJU	FFQ15LVJU	FFQ18LVJU	
Cooling Capacity (Nominal)	Btu/h		9,500	12,000	15,000	18,000	
Heating Capacity (Nominal)	Btu/h		11,100	14,000	17,500	21,500	
Power Supply			Single phase				
Airflow Rate (H/L)	CFM		318/230	353/230	424/283	530/353	
Sound Pressure - Cooling (H/M/L/SL)	dB(A)		35/33/31/-	35/33/31/-	37/35/33/31	37/35/33/31	
Sound Pressure - Heating (H/M/L/SL)	dB(A)		35/33/31/-	35/33/31/-	37/35/33/31	37/35/33/31	
Piping Connections	Liquid (O.D.)	in.	Ø 1/4	Ø 1/4	Ø 1/4	Ø 1/4	
	Gas (O.D.)	in.	Ø 3/8	Ø 3/8	Ø 1/2	Ø 1/2	
	Condensate Drain	in.	Ø 1-1/32	Ø 1-1/32	Ø 1-1/32	Ø 1-1/32	
Dimensions (H x W x D)	in.		11-1/4 x 22-5/8 x 22-5/8				
Net Weight	lbs.		38.5	38.5	38.5	38.5	



Wall Mount (Extended Range) and Slim Duct (New) Units

The new slim duct, CDXS24LVJU, and addition of the current LV-Series wall mount, FTXS24LVJU, extends the indoor unit capacity range up to 24 MBH, enhancing the versatility of the Super Multi and offering solutions for larger spaces having more cooling or heating requirements. Indoor units are provided with a wireless controller as standard or can be utilized with the new optional Daikin ENVi controller for smart comfort available April 2013 (more information to come at the end of January). Please note indoor units in 24 MBH capacities are only available with the Super Multi PLUS.



Branch Provider (BP) Unit

The BPMKS Branch Provider boxes allow indoor units of different capacities to be connected and then vary refrigerant volume to meet cooling and heating requirements of individual room zones. Available in 2 and 3 port units, up to 3 BP units can be connected to the Super Multi PLUS for initial full system integration or phased installation. To simplify installation the BP boxes come with flare connections removing the need for brazing at the box location.

Outdoor Unit			
Model Name		Outdoor Unit	RMXS48LVJU
Cooling Capacity	Nominal	Btu/h	48,000
	Maximum	Btu/h	54,000
Heating Capacity	Nominal	Btu/h	54,000
	Maximum	Btu/h	61,000
SEER / HSPF		Non Ducted	18.8 / 11.3
		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 Outdoor 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	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
	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		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

BP Box					
Model Name		BPMKS048A2U	BPMKS049A3U		
Power Supply		Single phase 60Hz 208/230V			
Power Consumption		W	10		
Running Current		A	0.05		
Sound Pressure - (Cooling/Heating)		dB(A)	32/32		
Number of Connectable Indoor Units		1 to 2	1 to 3		
Min. Connection Combination		7,000	7,000		
Max. Connection Combination		48,000	62,000		
Piping Connections (O.D.)	Liquid	Outdoor Unit Side	in.	Ø 1/4 x 2	Ø 1/4 x 3
		Indoor Unit Side	in.	Ø 1/4 x 2	Ø 1/4 x 3
	Gas	Outdoor Unit Side	in.	Ø 5/8 x 2	Ø 5/8 x 3
		Indoor Unit Side	in.	Ø 5/8 x 2	Ø 5/8 x 3
Dimensions (H x W x D)		in.	7-1/16 x 11-9/16 x 13-3/4		
Net Weight		lbs.	18.0	20.0	