

Hyper-Heating Technology

Hyper-Heating INVERTER® (H2i®) technology uses an enhanced compressor system to deliver significant heating performance even when it's -13° F outside. Benefits include:

- ▶ Greater efficiency.
- ▶ 100% heating at -5° F.
- ▶ Dramatic cost savings.

Power Consumption (15,000 Btu/h class):

	MFZ-KJ15NA	Competitor
0-1h	2,165	2,751
1-2h	1,968	2,399
2-3h	1,919	2,399
3h TOTAL	6,052	7,549

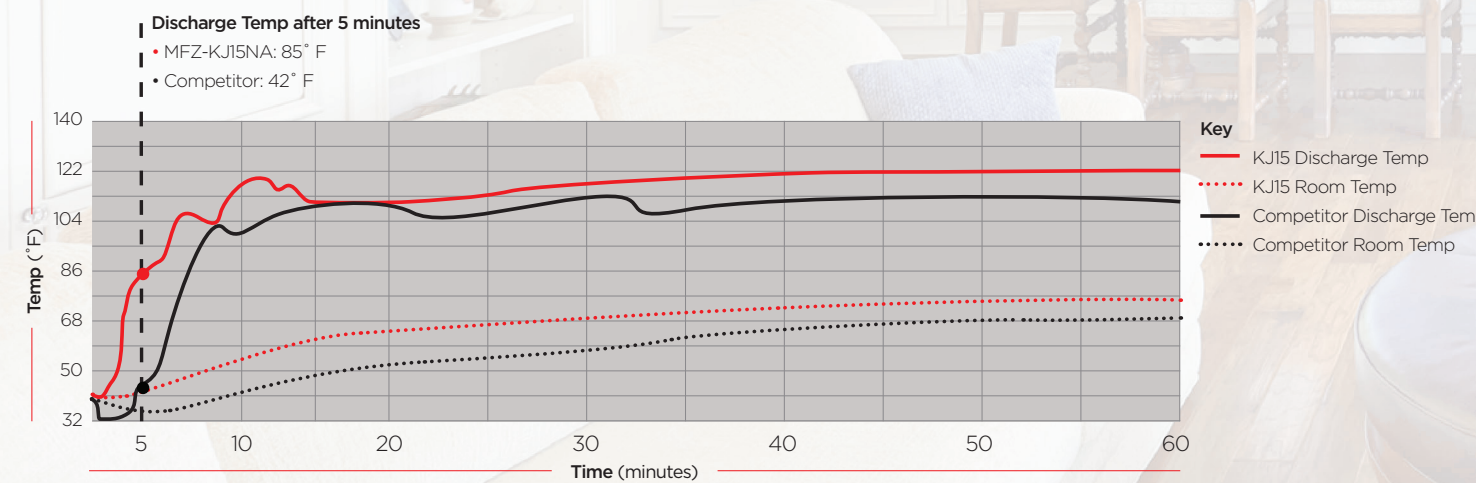
▼
Saves up to
25% more
power!

Multi-Flow Vane For Faster Heating

Airflow technology uses the lower portion of the multi-flow vane to discharge warmed air into the return vent where it is re-circulated through the heat exchanger. The rapidly heated air is then released into the room through the top portion of the multi-flow vane. This process significantly reduces the time needed to heat the room, ensuring you always enjoy superior warmth and comfort.



Discharge and Room Temperature Comparison:



WELCOME TO WHERE STYLE AND COMFORT MEET.



So many features with
comfort and savings in mind.

- ▶ ENERGY STAR® certified units.
- ▶ Available in 9,000/12,000/15,000/18,000 Btu/h capacity sizes.
- ▶ Single- and multi-zone connection.
- ▶ Hyper-Heating INVERTER® technology.
- ▶ New design with multi-flow vane.



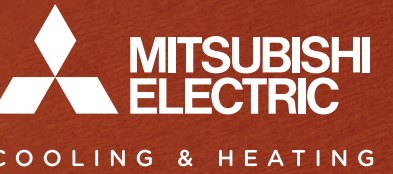
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MFZ-KJ SERIES
FLOOR-MOUNTED UNIT
STYLISH COLD-CLIMATE HEAT PUMP



mitsubishicomfort.com

Innovative and stylish.

The MFZ-KJ floor-mounted unit features a contemporary slimline design and dramatically reduced depth while introducing a significant innovation in multi-flow vane technology that contributes to a faster heating process. This technology efficiently re-circulates air to quickly raise room temperature during the cooler months of the year. MFZ-KJ floor-mounted units are the perfect solution for unobtrusive heating or cooling at floor level. New advanced technology offers heating performance during low temperatures in the shortest amount of time, all while maintaining maximum energy efficiency.

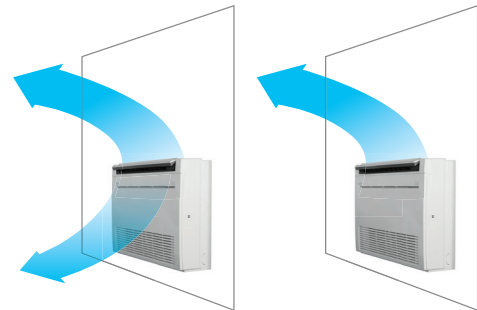
- ▶ Unique configuration featuring a flat, stylish look.
- ▶ Features a two-block structure to accommodate various installation patterns with optional wall recessing ability.
- ▶ Balanced design.
- ▶ Ingenious symmetrical design results in a low-profile air inlet & removable base section.
- ▶ Higher efficiency ratings versus competitors: Up to 28.2 SEER and 13 HSPF.
- ▶ Operates with 25% less power than competing models.
- ▶ Air distribution is 10% higher than the competition.
- ▶ Recessing is an option.



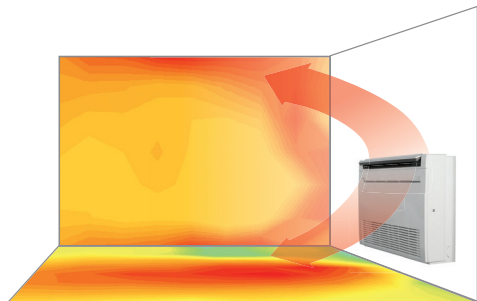
Multi-Flow Vane

Install the MFZ-KJ for improved air circulation with its multi-flow vane technology. Drafty rooms can benefit from the multi-flow vane's ability to direct warm air upward and downward, helping to eliminate cool spots and heat the room more efficiently. This unique air circulation function from Mitsubishi Electric uses a dual vane design that simultaneously directs air toward the ceiling and floor in a wide-angle distribution pattern. The MFZ-KJ unit offers the homeowner preferential control of airflow with options of up to five fan speeds and a 24-hour timer.

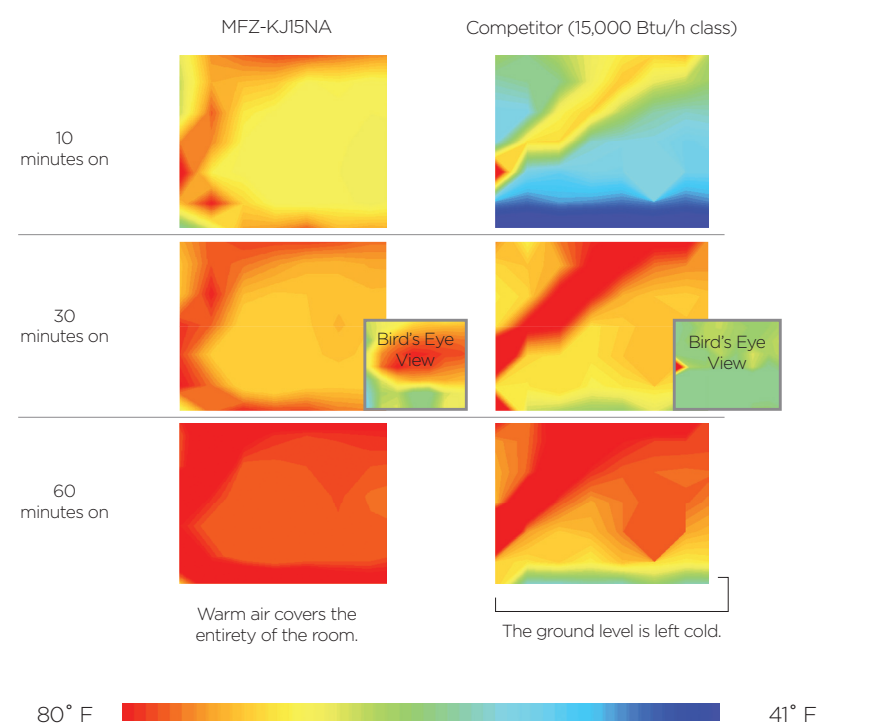
Cooling Airflow Patterns



Heating Effective Airflow Pattern



Air Distribution Comparison (15,000 Btu/h class):



SINGLE-ZONE | MFZ System | Heat Pump

Model Name	Indoor Unit		MFZ-KJ09NA	MFZ-KJ12NA	MFZ-KJ15NA	MFZ-KJ18NA
	Outdoor Unit		MUFZ-KJ09NAHZ	MUFZ-KJ12NAHZ	MUFZ-KJ15NAHZ	MUFZ-KJ18NAHZ
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	15,000	17,000
	Capacity Range	Btu/h	2,300 - 14,000	2,300 - 15,000	5,300 - 19,000	5,300 - 22,500
	Rated Total Input	W	570	890	1,120	1,350
	Energy Efficiency	SEER	28.2	25.5	21.8	21.0
	Moisture Removal	Pints/h	1.4	2.7	3.9	4.4
	Sensible Heat Factor		0.790	0.700	0.660	0.650
Heating at 47° F *2	Rated Capacity	Btu/h	11,000	13,000	18,000	21,000
	Capacity Range	Btu/h	2,900 - 19,000	2,900 - 22,800	5,700 - 25,000	5,700 - 29,000
	Rated Total Input	W	750	900	1,410	1,730
	HSPF (IV)	Btu/h/W	13	12	11.6	11.3
Heating at 17° F *3	Rated Capacity	Btu/h	7,500	8,800	12,000	12,800
	Rated Total Input	W	810	930	1,300	1,430
	Maximum Capacity	Btu/h	13,400	14,800	20,500	23,000
Heating at 5° F	Maximum Capacity	Btu/h	11,000	13,000	18,000	21,000
Power Supply	Phase, Cycle, Voltage		1 Phase, 60Hz, 208/230V *4			
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V			
	Indoor - Outdoor S2 - S3		DC ±24V			
Indoor Unit	Indoor - Remote Controller		Wireless Type (Optional Wired Controller: DC12V)			
	MCA	A	1.0			
	Fan Motor FLA	A	0.62			
	Fan Motor Output	W	30			
	Airflow at Cooling (Quiet-Lo-Med-Hi-Super Hi) *1	DRY (CFM)	138-198-272-360-417		198-254-311-392-431	
		WET (CFM)	117-168-231-306-354		168-216-264-333-366	
	Airflow at Heating (Quiet-Lo-Med-Hi-Super Hi) *2	DRY (CFM)	138-191-254-328-417		212-268-328-399-470	
	Sound Pressure Level at Cooling (Quiet-Lo-Med-Hi-Super Hi) *1	dB(A)	21-27-34-41-46		28-33-38-43-47	
	Sound Pressure Level at Heating (Quiet-Lo-Med-Hi-Super Hi) *2	dB(A)	21-27-34-40-46		29-35-40-45-49	
	External Finish Color		Munsell 1.0Y 9.2 / 0.2			
	Dimension Unit	W: In.	29-17/32			
		D: In.	8-15/32			
		H: In.	23-5/8			
		Weight Unit	Lbs.	33		
	Field Drainpipe Size O.D.	In.	5/8			
Remote Controller	Type	Select from PAC-WHS01WF-E for kumo cloud™, PAC-US444CN-1, MHK1, PAR-32MAA, or PAC-YT53CRAU Remote Controllers				
Outdoor Unit	MCA	A	11		16	
	MOCP	A	15		20	
	Fan Motor FLA	A	0.50		0.93	
	Fan Motor Output	W	50		77	
	Compressor	Model (Type)	DC INVERTER-driven Twin Rotary			
		R.L.A.	8.2			
		L.R.A.	10.3			
	Airflow (Cooling / Heating)	CFM	1,215 / 1,201		1,653 / 1,730	
	Refrigerant Control	Linear Expansion Valve				
	Defrost Method	Reverse Cycle				
	Sound Pressure Level at Cooling *1	dB(A)	48		51	
	Sound Pressure Level at Heating *2	dB(A)	50		55	
	External Finish Color		Munsell No. 3Y 7.8 / 1.1			
	Dimensions	W: In.	31-1/2		33-1/16	
		D: In.	11-1/4		13	
H: In.		21-5/8		34-5/8		
Weight		Lbs.	83		124	
Refrigerant	Type	R410A				
	Charge	Lbs., Oz.	2, 10		3, 5	
	Oil	Type (fl. oz.)	FV50S (11.8)		FV50S (13.5)	
Refrigerant Pipe	Gas Side O.D.	In.	3/8		1/2	
	Liquid Side O.D.	In.	1/4			
Refrigerant Pipe Length	Height Difference (Max.)	Ft.	40		50	
	Length (Max.)	Ft.	65		100	
Connection Method	Indoor / Outdoor	Flared / Flared				

NOTES: Test conditions are based on AHRI 210/240.
*1. Rating conditions (cooling)-Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).
*2. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).
*3. Rating conditions (heating)-Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 17° F (-8° C), W.B. 15° F (-9° C).
*4. Indoor units receive power from outdoor units through field-supplied interconnected wiring.

Specifications are subject to change without notice.

LIMITED WARRANTY | Five years parts and seven years compressor.

MULTI-ZONE | MFZ Indoor Units | Heat Pump

(FOR MXZ-C OUTDOOR UNITS)

Model Name	Indoor Unit		MFZ-KJ09NA	MFZ-KJ12NA	MFZ-KJ15NA	MFZ-KJ18NA
Cooling *1	Rated Capacity	Btu/h	9,000	12,000	15,000	17,000
Heating at 47° F *2	Rated Capacity	Btu/h	11,000	13,000	18,000	21,000
Power Supply	Phase, Cycle, Voltage		1-phase, 60Hz, 208 / 230V *3			
Voltage	Indoor - Outdoor S1 - S2		AC 208 / 230V			
	Indoor - Outdoor S2 - S3		DC ±24V			
Fan	MCA	A	1.0			
	Motor FLA	A	0.62			0.72
	Motor Output	W	30			40
	Airflow at Cooling (Quiet-Lo-Med-Hi-Super Hi)*1	DRY (CFM)	138-173-208-251-275			198-237-282-328-374
		WET (CFM)	117-147-177-213-234			168-201-240-279-318
Airflow at Heating (Quiet-Lo-Med-Hi-Super Hi) *2	DRY (CFM)	138-159-180-219-343			212-254-290-325-470	
Sound Pressure Level at Cooling (Quiet-Lo-Med-Hi-Super Hi) *1		dB(A)	21-25-30-34-38		28-31-36-40-43	
Sound Pressure Level at Heating (Quiet-Lo-Med-Hi-Super Hi) *2		dB(A)	21-24-27-32-41		29-34-36-39-49	
External Finish Color			Munsell 1.0Y 9.2 / 0.2			
Dimension Unit	W: In.		29-17/3			
	D: In.		8-15/3			
	H: In.		23-5/8			
Weight Unit	Lbs.		33			
Field Drainpipe Size O.D.	In.		5/8			
Remote Controller	Type		Select from PAC-WHS01WF-E for kumo cloud™, PAC-US444CN-1, MHK1, PAR-32MAA, or PAC-YT53CRAU Remote Controllers			
Refrigerant	Type		R410A			
Refrigerant Pipe	Gas Side O.D.	In.	3/8		1/2	
	Liquid Side O.D.	In.	1/4			
Connection Method	Indoor / Outdoor		Flared / Flared			

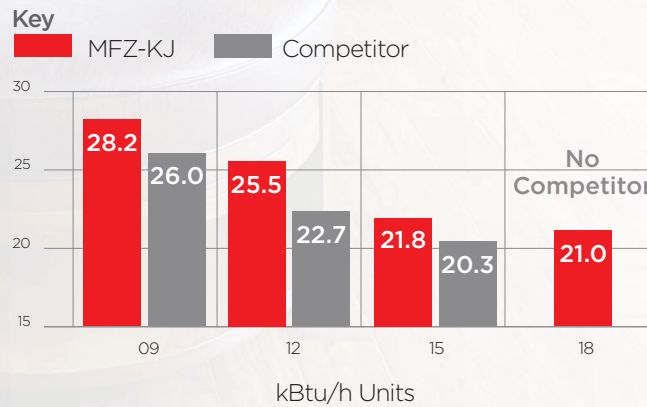
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*3. Indoor units receive power from outdoor units through field-supplied wiring.

Specifications are subject to change without notice.

LIMITED WARRANTY | Five years parts and seven years compressor.

For data on specific indoor unit combinations, visit www.mitsubishi-pro.com/multizone

SEER (vs Competitor)



HSPF (vs Competitor)

