36 Richards Ave, Portsmouth NH 03801

ReVision Energy, Inc. in conjunction with our customer, Rhonda Stacy-Coyle, are requesting a variance to install a 24,000 BTU Mitsubishi Multi-Indoor Inverter Heat-Pump System on the parcel of land stamped Map 136 Lot 14, 36 Richards Ave.

Granting the variance would not be contrary to the public interest because the unit is clean, efficient, and environmentally safe. The unit is stationary and poses no threat to public safety. It will not be visible from the road or abutting properties due to decorative fencing surrounding the unit, which has been agreed upon by both our customer and the Historic District Committee.

The spirit of the ordinance is observed because the unit will not hinder, nor harm the general public and will have no substantial effect on surrounding properties. The heat pump system will provide energy efficient heating and cooling to the home. It will create minimal noise, and no smoke, glare, traffic obstructions, or a demand on water.

Substantial justice will be done due to the limited outdoor space. There is a single location for ideal placement. These circumstances are related to the constraints of the property and are not a common hardship. The residence itself is outside setback parameters.

The values of surrounding properties will not be diminished. The outdoor unit will be hidden from view. It also does not create odors, smoke, gas, dust, glare, heat or other pollutants.

Literal enforcement of the provisions of the Ordinance would result in an unnecessary hardship because of the limited outdoor space available. The outdoor unit will sit in a flower bed located behind the stairs that lead to the entrance of the residence.

The Historical District Committee has approved the installation of the unit with the condition there be a decorative fence surrounding it. Both the unit and the fencing are fully on the property but come close to the edge of the property line.



Permit Authorization

Owner:

Rhonda Stacy-Coyle 36 Richards Ave Portsmouth, NH 03801

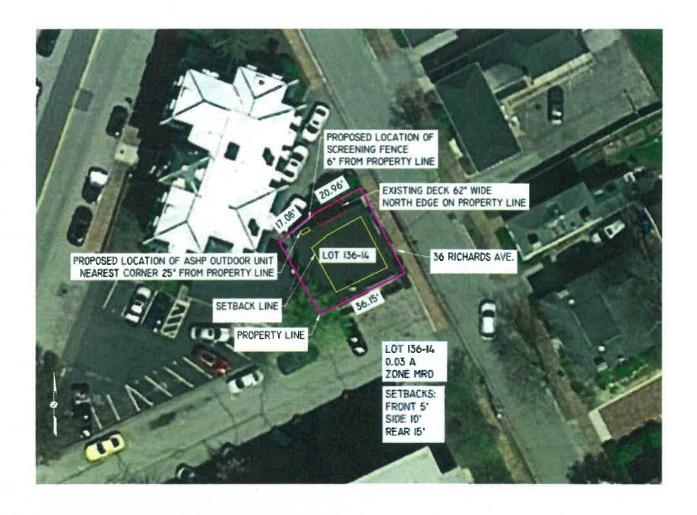
7/16/2020

Owner hereby authorizes ReVision Energy to act as Owner's Agent for the limited purpose of applying for and obtaining any permit or approval from each Authority Having Jurisdiction that may be required for the installation of the Air Source Heat Pump System described in this Contract to be located on Owner's property.

Owner Signature

36 RICHARDS AVE PHOTOS

AERIAL PHOTO WITH PLACEMENT AND MEASUREMENTS



PLACEMENT OF OUTDOOR UNIT





EXAMPLE OF INSTALLED OUTDOOR UNIT



EXAMPLE OF SURROUNDING FENCING



M-Series

MULTI-INDOOR INVERTER HEAT-PUMP (STEM



Job Name:

System Reference:

Date:



ACCESSORIES

The outdoor unit is delivered with the base pan heater factory installed. Airflow Guide (PAC-SH96SG-E)

3/8" x 1/2" Port Adapter (MAC-A454JP-E)

1/2" x 3/8" Port Adapter (MAC-A455JP-E)

1/2" x 5/8" Port Adapter (MAC-A456JP-E)

M-NET Adapter (PAC-IF01MNT-E)

Outdoor Unit: MXZ-3C24NAHZ2

(For data on specific indoor units, see the MXZ-C Technical and Service Manual.)

	Specifications		Model Name	
	Unit Type		MXZ-3C24NAHZ2	
	Rated Capacity	Btu/h	22,000 / 23,600	
Cooling* (Non-ducted / Ducted)	Capacity Range	Btu/h	12,600 - 23,600	
(Non-ducted / Ducted)	Rated Total Input	W	1,630 / 2,360	
	Rated Capacity	Btu/h	25,000 / 24,600	
Heating at 47°F* (Non-ducted / Ducted)	Capacity Range	Btu/h	11.400 - 30.600	
Non-addied / Ducted)	Rated Total Input	W	1,725 / 1,871	
	Rated Capacity	Btu/h	14,000 / 14,000	
Heating at 17°F* (Non-ducted/Ducted)	Maximum Capacity	Btu/h	25,000 / 24,600	
[Non-ducted/Ducted]	Rated Total Input	W	1,622 / 1,635	
Heating at 5°F*	Maximum Capacity	Btu/h	25,000	
Connectable Capacity		Btu/h	12,000 - 27,000	
Energy Star® (ENERGY STAR p	products are third-party certified by an EPA	-recognized Certification Body.)	Yes	
	Power Supply	Voltage, Phase, Hertz	208 / 230V, 1-Phase, 60 Hz	
Electrical Requirements	Recommended Fuse/Breaker Size	Α .	40	
	MCA	Α	30.5	
The Real Property of the Control of	Indoor - Outdoor S1-S2	V	AC 208 / 230	
Voltage	Indoor - Outdoor S2-S3	V	DC ±24	
Compressor			DC INVERTER-driven Twin Rotary	
Fan Motor (ECM)		F.L.A.	2.43	
0 10	Cooling	dB(A)	54	
Sound Pressure Level	Heating	dB(A)	58	
External Dimensions (H x W x D)		in mm	41-9/32 x 37-13/32 x 13 1048 x 950 x 330	
Net Weight		Lbs / kg	189 / 86	
External Finish			Munsell No. 3Y 7.8/11	
Defice went Dine Cine O.D.	Liquid (High Pressure)	In / mm	1/4 / 6.35	
Refrigerant Pipe Size O.D.	Gas (Low Pressure)	In / mm	A:1/2 / 12.7 ; B,C: 3/8 / 9.52	
Max. Refrigerant Line Length		Ft/m	230 / 70	
Max. Piping Length for Each Indoor Unit		Ft/m	82 / 25	
Max. Refrigerant Pipe Height	If IDU is Above ODU	Ft/m	49 / 15	
Difference	If IDU is Below ODU	Ft/m	49 / 15	
Connection Method			Flared/Flared	
Refrigerant			R410A	

^{*} Rating Conditions per AHRI Standard:

Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB Cooling | Outdoor: 95° F (35° C) DB / W.B. 23.9° C (75° F) Heating at 47°F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB Heating at 17° F | Indoor: 70° F (21° C) DB

SPECIFICATIONS: MXZ-3C24NAHZ2

OPERATING RANGE:

	Outdoor
Cooling	D.B. 14 to 115° F [D.B10 to 46° C]*1
Heating	W.B13 to 65° F [W.B25 to 18° C]

^{*1.} D.B. 5 to 115° F [D.B. $\neg 15$ to 46° C], when an optional Air Outlet Guide is installed.

ENERGY EFFICIENCIES:

Indoor Unit Type	SEER	EER	HSPF	COP @ 47°F	COP @ 17°F
Non-ducted (06 + 06 + 09)	19.0	13.5	10.0	4.25	2.53
Ducted and Non-ducted	17.3	11.75	9.5	4.03	2.52
Ducted (09 + 09 + 09)	15.5	10.0	9.0	3.80	2.51

NOTES:

- Minimum of two Indoor Units must be connected to the MXZ-3C24NAHZ2.
- Minimum installed capacity cannot be less than 12,000 Btu/h.
- · Total connected capacity must not exceed 130% of outdoor unit capacity.
- · System can operate with only one Indoor Unit turned on.
- · Information provided at 208/230V.
- · For Reference:

NOTES:

- MXZ-C Technical & Service Manual for detailed specifications and additional information per Indoor Unit Combination.
- MXZ Series Multi-Zone Indoor/Outdoor Combination Table for allowed unit combinations.

MVZ CONNECTION RULES:

- · Only 1 MVZ may be used on any system.
- When an MVZ is connected, total connected capacity must be 100% or less.
- · When an MVZ is connected, no P-Series indoor units can be used (PCA, PLA, or PEAD).

MXZ-3C24NAHZ2 OPERATIONAL PERPORMANCE

NON-DUCTED:

# of indoor	or Capacity (Phylip) Indoor Unit Combinations		Operational Performance for Indoor Unit Combinations	Cooling Capacity Range (Btu/h) Heating Capacity Range (Btu/h)			
unit	(x1000 Btu/h)	Capacity (Btu/h)	(Unit A + Unit B + Unit C)	Unit A	Unit B	Unit C	
1	6	6,000	-6	6,000	-	-	
	Ů	7,400		7,400			
1	9	9,000	9	9,000	-	-	
	, ,	11,000	0	11,000	-	-	
1	12	12,000	12	12,000	_	-	
	12	14,400		14,400	in in	-	
1	15	14,000	- 15	14,000	-	-	
	10	18,000		18,000		-	
1	18	17,200	18	17,200	-	-	
		21,600	1,0	21,600	-	-	
2	12	12,000	6+6	6,000	6,000	-	
	12	14,800		7,400	7,400	-	
2	15	15,000	6+9	6,000	9,000	-	
		18,400		7,400	11,000	-	
2	18	18,000	6 + 12	6,000	12,000	-	
	10	22,000	0 12	7,500	14,500		
2	18	18,000	9+9	9,000	9,000	-	
	10	22,000	0.0	11,000	11,000	**	
2	21	20,000	6 + 15	6,000	14,000	-	
-	<i>د</i> ۱	22,000	0 1 10	6,400	15,600	-	
2	21	20,000	9 + 12	8,600	11,400	-	
	۷۱	22,000	0 1 12	9,500	12,500	-	
2	24	21,800	6 + 18	5,600	16,200		
	27	22,000	0 . 10	5,600	16,400	-	
2	24	21,800	9 + 15	8,500	13,300		
	£-T	22,000	0 10	8,300	13,700	-	
2	24	21,800	12 + 12	10,900	10,900	-	
	27	22,000	12 12	11,000	11,000	-	
2	27	21,800	9 + 18	7,500	14,300	-	
		22,000		7,400	14,600	-	
2	27	21,800	12 + 15	10,100	11,700	-	
		22,000	12 10	9,800	12,200	_	
3	18	18,000	6+6+6	6,000	6,000	6,000	
J	10	22,200	0.0.0	7,400	7,400	7,400	
3 21	21	18,000	6+6+9	5,100	5,100	7,700	
<u> </u>		24,800	0.0.0	7,100	7,100	10,600	
3 24	24	22,000	6+6+12	5,500	5,500	11,000	
<u> </u>	£-7	25,000	T V	6,300	6,300	12,300	
3	24	22,000	6+9+9	5,500	8,300	8,300	
J		25,000	T	6,300	9,400	9,400	
3	27	24,000	6+6+15	5,500	5,500	12,900	
3 27	25,000	0 7 0 7 10	5,600	5,600	13,700		
3	27	24,000	6 + 9 + 12	5,300	8,000	10,700	
J	۲1	25,000	0.07.12	5,600	8,400	11,000	
3	27	24,000	9+9+9	8,000	8,000	8,000	
J	۷1	25,000	0.0.0	8,300	8,300	8,300	

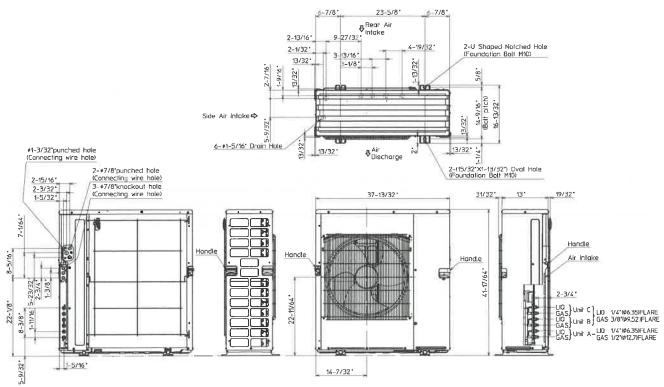
MXZ-3C24NAHZZ OPERATIONAL PERFORMANCE, CONTD.

DUCTED:

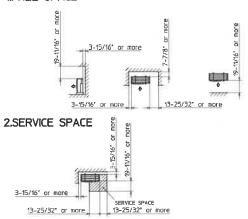
# of indoor unit	Total Nominal Capacity (x1000 Btu/h)	Canacity (Rty/h) Indoor U	Operational Performance for Indoor Unit Combinations	Cooling Capacity Range (Btu/h) Heating Capacity Range (Btu/h)		
			(Unit A + Unit B + Unit C)	Unit A	Unit B	Unit C
		9,000		9,000	-	
1	9	10,900	9	10,900	-	-
	12	12,000	12	12,000		-
1	12	13,600	712	13,600	•	-
_	45	15,000	45	15,000		-
1	15	18,000	15	18,000		-
	40	17,200	40	17,200	-	-
1	18	21,600	18	21,600		
	40	18,000	9 + 9	9,000	9,000	-
2 18	18	21,800		10,900	10,900	-
_	0.4	21,000	0 . 12	9,000	12,000	-
2	21	21,800	9 + 12	9,700	12,100	-
	24	21,800	0 . 45	8,200	13,600	-
2	24	21,800	9 + 15	8,200	13,600	-
	24	21,800	12 + 12	10,900	10,900	-
2		21,800		10,900	10,900	-
_	077	21,800	9 + 18	7,500	14,300	-
2	27	21,800		7,300	14,500	in the
_		21,800	10 . 45	9,700	12,100	-
2	27	21,800	12 + 15	9,400	12,400	-
	27	23,600	0.0.0	7,900	7,900	7,900
3		24,600	9+9+9	8,200	8,200	8,200

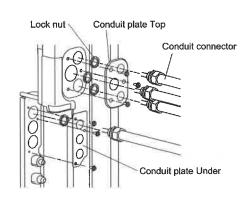
DIMENSIONS: MXZ-3C24NAHZ2

Unit: inch



1.FREE SPACE







COOLING & HEATING

1340 Satellite Boulevard. Suwanee, GA 30024 Toll Free: 800-433-4822 www.mehvac.com





