MITSUBISHI ELECTRIC

COOLING & HEATING

SUBMITTAL DATA:

4-TON MULTI-INDOOR INVER

Job Name: Space Gallery / Goggu

System Reference:

CITY OF PORTLAND, MAINE — RESURGAM

Inspections Division

Date: 07/07/16

GENERAL FEATURES

- Quiet operation
- Built-in base pan heater to prevent ice in drain pan
- M-Net adaptor kits are available as an option*
- Limited warranty: five years parts and seven years compressors

*Included standard in PAC-MKA30/50BC Branch Box

ACCESSORIES

- ☐ Three-port Branch Box (PAC-MKA30BC)
- ☐ Five-port Branch Box (PAC-MKA50BC)
- ☐ Distribution Pipe for Flare Connection (MSDD-50AR; necessary for installing two branch boxes)
- ☐ Distribution Pipe for Brazed Connection (MSDD-50BR; necessary for installing two branch boxes)
- ☐ 3/8" x 1/2" Port Adapter (MAC-A454JP)
- ☐ 1/2" x 3/8" Port Adapter (MAC-A455JP)
- ☐ 1/2" x 5/8" Port Adapter (MAC-A456JP)
- ☐ 1/4" x 3/8" Port Adapter (PAC-493PI)
- ☐ 3/8" x 5/8" Port Adapter (PAC-SG76RJ)
- ☐ M-NET Adapter (PAC-IF01MNT-E)
- ☐ Drain Socket (PAC-SH71DS-E)
- ☐ Airflow Guide (PAC-SH96SG-E)

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

Specifications			Model Name
Unit Type			MXZ-8C48NAHZ
Cooling* (Non-ducted / Ducted)	Rated Capacity	Btu/h	48,000 / 48,000
	Capacity Range	Btu/h	6,000 - 48,000
	Rated Total Input	W	4,000 / 5,050
Heating at 47°F* (Non-ducted / Ducted)	Rated Capacity	Btu/h	54,000 / 54,000
	Capacity Range	Btu/h	7,200 - 54,000
	Rated Total Input	W	4,220 / 4,990
Heating at 17°F* (Non-ducted/Ducted)	Rated Capacity	Btu/h	40,000 / 43,000
	Maximum Capacity	Btu/h	54,000 / 54,000
	Rated Total Input	W	4,340 / 5,250
Heating at 5°F*	Maximum Capacity	Btu/h	54,000
Electrical Requirements	Power Supply	Voltage, Phase, Hertz	208 / 230V, 1-Phase, 60 Hz
	Recommended Fuse/Breaker Size	A	50
	MCA	A	42
Voltage	Indoor - Outdoor S1-S2	V	AC 208 / 230
	Indoor - Outdoor S2-S3	V	DC ±24
Compressor			Hermetic
Fan Motor (ECM)		F.L.A.	0.4+0.4
Sound Pressure Level	Cooling	dB(A)	51
	Heating		54
External Dimensions (H x W x D)		In / mm	52-11/16 x 41-11/32 x 13+1 1338 x 1050 x 330+25
Net Weight		Lbs / kg	276 / 125
External Finish			Munsell No. 3Y 7.8/11
Refrigerant Pipe Size O.D. — Eight Ports	Liquid (High Pressure)	In / mm	3/8 / 9.52
	Gas (Low Pressure)		5/8 / 15.88
Max. Refrigerant Line Length		Ft / m	492 (150)
Max. Piping Length for Each Indoor Unit		Ft / m	262 (80)
Max. Refrigerant Pipe Height Difference	If IDU is Above ODU	Ft / m	164 (50)
	If IDU is Below ODU		131 (40)
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 / 75° F (24° C) WB

Heating at 47°F | Indoor: 70° F (21° C) DB
Heating at 47°F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB

Heating at 17° F | Indoor: 70° F (21° C) DB
Heating at 17° F | Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB

Specifications are subject to change without notice.

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SPECIFICATIONS: M

Operating Range:

	Outdoor
Cooling	D.B. 23 to 115° F [D.B. −5 to 46° C]*1
Heating	D.B. −13 to 70° F [D.B. −25 to 21° C]

*1. D.B. 5 to 115° F [D.B. −15 to 46° C],
when an optional Air Outlet Guide is installed.

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Multi-zone Indoor/Outdoor Combination Table

	MSZ-FH*	MSZ-GE*	MFZ*	MVZ*
MXZ-8C48NAHZ	OK	OK	OK	OK

*** Refer to indoor unit submittal.**

RESURGAM. CITY OF PORTLAND, MAINE

Inspections Division

Date: 07/07/16

Notes:

- Minimum of two Indoor Units must be connected to the MXZ-8C48N
- Minimum installed capacity cannot be less than 12,000 Btu/h.
- System can operate with only one Indoor Unit turned on.
- May connect to any style indoor unit or combination.
- Information provided at 208/230V.
  Refer to the MXZ-C Technical & Service Manual for detailed specifications and additional information per Indoor Unit Combination.

Notes:

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M-SERIES

SUBMITTAL DATA

24,000 BTU/H WALL-MOUNTED INDOOR UNIT F

Job Name: Space Gallery / Goggin Ener

System Reference:

Indoor Unit: MSZ-GE24NA

Wireless Remote Controller

CITY OF PORTLAND, MAINE — RESURGAM

Inspections Division

Date: 07/07/16

GENERAL FEATURES

- Wall-mounted indoor unit
- Nano Platinum and and Anti-allergy Enzyme filters are included
- Quiet operation
- Auto fan speed control: Quiet, Low, Medium, High, and Super High
- Hand-held Wireless Remote Controller
- Indoor unit powered from outdoor unit using A-Control
- Auto restart following a power outage
- Limited warranty: five years parts and seven years compressor

ACCESSORIES

Indoor Unit

- ☐ Condensate Pump (BlueDiamond X87-711/721; 115/230V)
- ☐ Condensate Pump (Sauermann SI30-115/230; 115/230V)
- ☐ Anti-Allergy Enzyme Filter (MAC-2310FT-E)
- ☐ Drain Pan Level Sensor (DPLS2)

Controller Options

- ☐ Wireless Controller (MHK1)
- ☐ Wired Remote Controller PAR-31MAA (Requires MAC-333IF-E)
- ☐ Wireless Interface for kumo cloud™ (PAC-WHS01WF-E)
- ☐ Thermostat Interface (PAC-US444CN-1)

Electrical Requirements

Power Supply . . . . . 208 / 230V, 1-Phase, 60 Hz
MCA . . . . . 1 A

Voltage

Indoor - Outdoor S1-S2 . . . . . AC 208 / 230V
Indoor - Outdoor S2-S3 . . . . . DC ±24V
Indoor - Remote Controller . . . . . MHK1 DC 3V
PAR-31MAA DC 12V
PAC-YT53CRAU DC 12V

Blower Motor (ECM) . . . . . 0.76 F.L.A.

Airflow (Quiet - Lo - Med - Hi - Super Hi)
Cooling . . . . . 388 - 469 - 628 - 738 Dry CFM
347 - 420 - 562 - 661 Wet CFM
Heating . . . . . 388 - 469 - 628 - 738 Dry CFM

Sound Pressure Level (Quiet - Lo - Med - Hi - Super Hi)
Cooling . . . . . 34 - 41 - 49 - 53 dB(A)
Heating . . . . . 32 - 41 - 49 - 52 dB(A)

DIMENSIONS	UNIT INCHES / MM
W	43-5/16 / 1,116
D	9-3/8 / 238
H	12-13/16 / 325

Weight . . . . . 37 lbs. / 17 kg
External Finish . . . . . Munsell No. 1.0Y 9.2 / 0.2
Field Drainpipe Size O.D. . . . . 5/8" / 15.88 mm

Refrigerant Type R410A

Refrigerant Pipe Size O.D.
Gas Side . . . . . 5/8" / 15.88 mm
Liquid Side . . . . . 3/8" / 6.35 mm

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DIMENSIONS:

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Piping	Insulation	Ø2 O.D
	Liquid line	Ø3/8 19-11/16 (Flared connection Ø3/8)
	Gas line	Ø1/2 16-15/16 (Flared connection Ø5/8)
Drain hose		Insulation Ø1-1/8 Connected part Ø5/8 O.D

MITSUBISHI ELECTRIC

COOLING & HEATING

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AHRI CERTIFIED www.ahridirectory.org Unitary Small HP AHRI Standard 210/240

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