



LIVING WITH HISTORY

Certificate of Appropriateness

Milwaukee Historic Preservation Commission/200 E. Wells Street/Milwaukee, WI 53202/phone 414-286-5712/fax 414-286-3004

Property

2469 S. KINNICKINNIC AV. Avalon Theater, an individually designated historic property

Description of work

The owner is rehabilitating all of the dwelling units in the apartment building portion of the Avalon Theater Building. Included is a complete revamping of the heating system and installation of air conditioning.

The proposed work will include:

Installation of 14 Mitsubishi mini split systems with air conditioning on the rooftop as indicated.

Installation of 5 Friedrich brand through-wall sleeve air conditioning units. Two will be on the third floor north elevation facing the "courtyard" or light well. One will be on the third floor west elevation facing the alley behind the building and one will be on the second floor west elevation facing the alley behind the building.

Installation of 3 seven-ton roof top units for a future build out.

These units will not be seen from Kinnickinnic Avenue and only minimally from Homer Streets (the west wall units).

Date issued

2/3/2016

PTS ID 109077 COA HVAC at Avalon Theater Building Apartments

In accordance with the provisions of Section 320-21 (11) and (12) of the Milwaukee Code of Ordinances, the Milwaukee Historic Preservation Commission has issued a certificate of appropriateness for the work listed above. The work was found to be consistent with preservation guidelines. The following conditions apply to this certificate of appropriateness:

All units will be installed according to the plans submitted.

All work must be done in a craftsman-like manner, and must be completed within one year of the date this certificate was issued. Staff must approve any changes or additions to this certificate before work begins. Work that is not completed in accordance with this certificate may be subject to correction orders or citations. If you require technical assistance, please contact Carlen Hatala of the Historic Preservation staff as follows: Phone: (414) 286-5722 Fax: (414) 286-3004 E-mail: carlen.hatala@milwaukee.gov.

If permits are required, you are responsible for obtaining them from the Milwaukee Development Center. If you have questions about permit requirements, please consult the Development Center's web site, www.milwaukee.gov/build, or call (414) 286-8210.

A handwritten signature in black ink, appearing to read "Carlen Hatala", written over a horizontal line.

City of Milwaukee Historic Preservation Staff

Copies to: Development Center, Ald. Tony Zielinski, Contractor , Inspector Chris Buzzell (286-2519)

HVAC units to go in these locations.



Imagery ©2016 Google, Map data ©2016 Google 50 ft



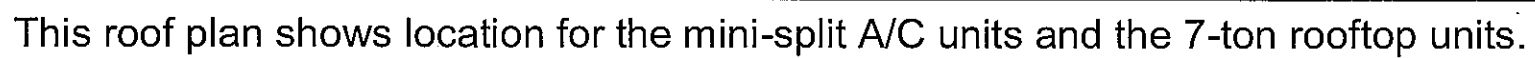
A/C
SIEVE
UNITS

This is west elevation facing alley behind building.

A/C
SLEEVE
LIMITS



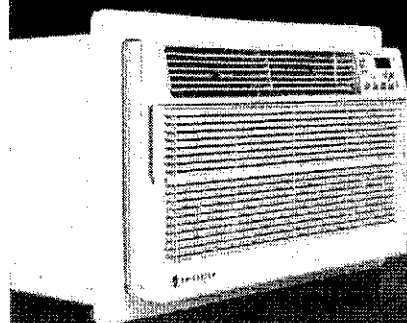
This is north elevation facing inner "courtyard" or light well.



Thru-the-wall Air Conditioners

Uni-fit™

Universal fit accommodates
a variety of competitor's sleeves
from 24 1/2" wide to 27" wide.

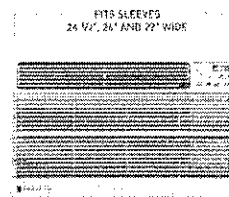


THE EXPERTS IN ROOM AIR CONDITIONING

Uni-fit®

RESIDENTIAL GRADE THRU-THE-WALL AIR CONDITIONERS

Universal fit for easy replacement in existing 24 1/2",
26" or 27" sleeves



Select MODE, FAN SPEED,
FUNKY SLEEPER™, and/or
TEMPERATURE and set the
TIMER.

IMPORTANT: 1" gap on sides and
1/2" gap at top allows installation
into varying sleeve sizes. The gap
can be covered by two pieces of trim
ring that fit over the chassis front.
Decorative finishing covers
standard with chassis.



Comfort & Convenience

- 4-way air flow control
- Remote control
- 24-hour timer
- Quick filter reminder
- 3-speed fan
- Auto restart
- Highest control

Energy Management

- Money Saver® setting saves money
by turning the fan only when the
compressor is running
- ENERGY STAR® qualified models

Health and Indoor Air Quality

- Washable antimicrobial filter
- Static air exhaust

Installation Features

- Universal fit decorative trim ring
- Chassis designed to fit 24 1/2" to 27" sleeves
- USC sleeve fits standard 26" sleeve
opening. See installation manual for exact
dimensions.

DIFFERENT BRAND? NO PROBLEM UNI-FIT™ INSTALLS IN MANY EXISTING SLEEVES

Sleeve Dimensions	Friedrich USC Sleeve	Carrier Sleeve	Carrier Sleeve	Carrier Sleeve	Carrier Sleeve	Carrier Sleeve	Carrier Sleeve	Carrier Sleeve
Height (inches)	15 1/2	15 1/2	15 1/2	15 1/2	15 1/2	15 1/2	15 1/2	15 1/2
Width (inches)	24 1/2	26	26 1/2	27	26 1/2	26	26 1/2	26 1/2
Depth (inches)	14 1/2	14 1/2	14 1/2	14 1/2 or 15 1/2	15	14 1/2	14 1/2 or 15	14, 14 1/2 or 15



Model Number YSC092F3EHA**D0000000030000000000000000

Customer :
Project :
Name : Y4C 1

3-10 Ton R410A PKGD Unitary Gas/Electric Rooftop

General			
Unit function	DX cooling, gas heat	Unit efficiency	Standard efficiency
Airflow	Convertible configuration	Airflow Application	Downflow
Design Airflow	3000cfm	Fresh air selection	Econ-dry bulb 0-100% w/ bar relief 3ph
Tonnage	7.5 Ton Dual compressor	Cooling Entering DB	88.00F
Cooling Entering WB	67.00F	Ent Air Relative Humidity	51.08%
Ambient Temp	95.00F	Heating capacity	High gas heat 3ph
Heating EAT	65.00F	Voltage	208-230/60/3
Design ESP	0.500in H2O	Major design sequence	F - R-410A With Microchannel
Evaporator rows	3.00Each	Evaporator fin spacing	192Per Foot
Evaporator face area	12.36sq ft	Evaporator face velocity	243ft/min
Min. unit operating weight	847.0lb	Max. unit operating weight	1012.0lb
ASHRAE 90.1	Yes	Rated capacity (AHRI)	89.3

Sizing	
IPLY @ AHRI	13.01PLV

Main Cooling			
IPLY @ AHRI	13.01PLV	Evap Coil Leaving Air Temp (DB)	58.11F
Evap Coil Leaving Air Temp (WB)	56.86F	Cooling Leaving Unit DB	59.31F
Cooling Leaving Unit WB	57.33F	Gross Total Capacity	94.00MBh
Gross Sensible Capacity	79.93MBh	Gross Latent Capacity	23.07MBh
Net Total Capacity	91.24MBh	Net Sensible Capacity	68.17MBh
Net Sensible Heat Ratio	0.75Number	Fan motor heat	2.76MBh
Dew Point	56.05F	Refrig charge (HFC-410A) - ckt 1	3.9lb
Refrig charge (HFC-410A) - ckt 2	3.6lb	Saturated Discharge Temp Circuit 1	117.36F
Saturated Suction Temp Circuit 1	50.97F	Saturated Discharge Temp Circuit 2	117.84F
Saturated Suction Temp Circuit 2	52.67F		

400 Performance	
IPLY @ AHRI	13.01PLV

Refrigerantization	
IPLY @ AHRI	13.01PLV



Performance			
IPLY @ AHRI	13.01PLV	Input Heating Capacity	200.00MBh
Output Heating Capacity	160.00MBh	Output Heating Cap. w/Fan	162.76MBh
Heating LAT	114.60F	Heating Delta T	49.60F

Capacity/Power			
IPLY @ AHRI	13.01PLV	Component SP	0.140in H2O
Total Static Pressure	0.6399995694885	Field supplied drive kit required	None
Indoor mtr operating power	1.13bhp	Indoor RPM	725rpm
Indoor Motor Power	0.84kW	Outdoor Motor Power	0.70kW
Compressor Power	6.40kW	System Power	8.14kW
ERA @ AHRI Conditions	11.2EER	NCA	39.30A
MOP	50.00A	Compressor 1 RLA	14.50A
Compressor 2 RLA	17.60A	Condenser fan FLA	4.00A
Evaporator fan FLA	3.60A	Exhaust fan power	0.65kW
ISEN	19.00		

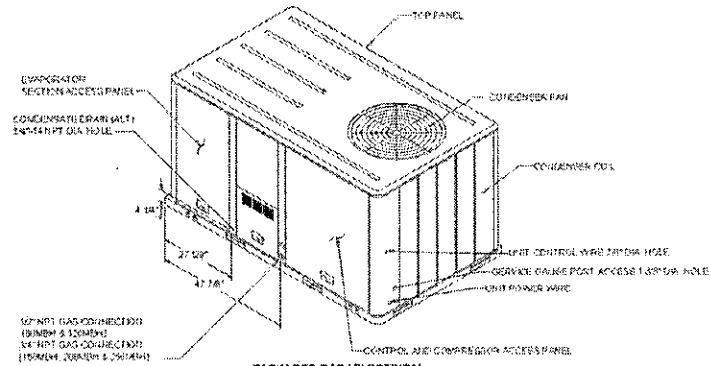
Controls	
IPLY @ AHRI	13.01PLV

24 Control/Relay/Heating/Options			
Unit controls	Electric/mechanical controls 3	Refrigeration controls	Frost/nt and crankcase heater 3ph

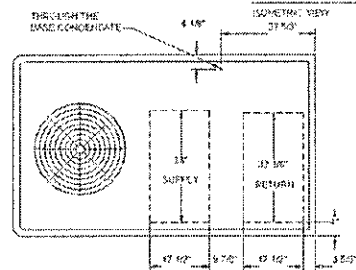
Roof Penetration Details	
Roof curb	Roof curb

Page 1

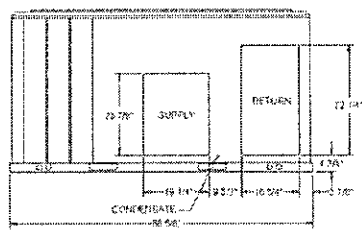
Page 2



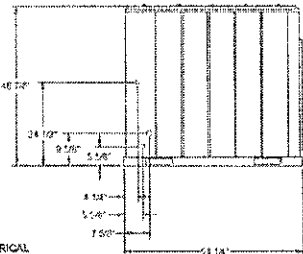
PACKAGED GAS / ELECTRICAL



PLAN VIEW UNIT
DIMENSION DRAWING



PACKAGED GAS / ELECTRICAL
DIMENSION DRAWING



- NOTES:
1. THE PACKAGED GAS/ELECTRICAL IS NOT STANDARD ON ALL UNITS.
 2. VERIFY ALL DIMENSIONS WITH INSTALLER DOCUMENTS BEFORE INSTALLATION.

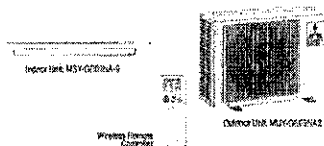
SUBMITTAL DATA: MSY-GE09NA-9 & MUY-GE09NA2

7,000 BTU/H WALL-MOUNTED AIR-CONDITIONING SYSTEM

Job Name:

System Reference:

Date:



GENERAL FEATURES

- Wall-mounted indoor unit
- Standard Hybrid Catalyst Pre-filter is included with indoor unit
- 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
- Anti-frosting Evaporator Filter
- Limited warranty: five years parts and seven years compressor

ACCESSORIES

Outdoor Unit

- Outdoor Mounting Pad (ULTRITE1)
- Drain Pan Heater (MAC-640H4U)
- 3-1/4" Mounting Base (Pain) (DSD-400P)
- Drain Pan Spigot (MAC-650D3)
- Air Outlet Guide (MAC-669D3)
- Wall Mounting Bracket (DPLS1)

Indoor Unit

- BlueDiamond MaxBlue Condensate Pump (K07-721, 230V)
- Sepeimann Condensate Pump (SISD-230, 230V)
- Anti-Allergy Evaporator Filter (MAC-408PFE)
- Platinum Catalyst Deodorizing Filter (MAC-308PFE)
- Drain Pan Level Sensor (DPLS1)

Controller Options

- Wireless Wall-mounted Remote Controller Kit (MHK1)
- Portable Control Controller (MCH1)
- Outdoor Air Sensor (MAC51)
- Wired Wall-mounted Controller (PAR-31MA requires MAC-333F)
- Simple MA Remote Controller (RUC-YT63CRAU requires MAC-333F)

*See Submittal for information on each option.

□ System Control Interface (MAC-333F)

SPECIFICATIONS

Cooling *1

Rated Capacity 9,000 Btu/h
Capacity Range 3,600 - 12,000 Btu/h
Rated Total Input 600 W
Maximum Total Input 1,200 W
SEER 73.7 Btu/h/W

Rating Conditions

*1 Cooling Indoor: 80°F (27°C) DB/67°F (19°C) WB

*1 Cooling Outdoor: 95°F (35°C) DB/75°F (24°C) WB

Electrical Requirements

Power Supply 208 / 230V, 1-Phase, 60 Hz
Breaker Size 15 A

Voltage

Indoor - Outdoor S1-S2 AC 208 / 230V
Indoor - Outdoor S2-S3 DC 4A, 24V
Indoor - Remote Controller MHK1 DC 3V
PAR-31MA/DC 12V
PAR-YT63CRAU DC 12V

Operating Conditions

Cooling

Indoor Intake Air Temp. (Max.) 90°F (32°C) DB / 73°F (23°C) WB
(Min.) 67°F (19°C) DB / 57°F (14°C) WB
Outdoor Intake Air Temp. (Max.) 115°F (46°C) DB
(Min.) 14°F (10°C) DB

Indoor Unit

MCA 1.0 A
Blower Motor (ECM) 0.76 FLA
Blower Motor Output 30 W
Airflow (Quiet - Lo - Med - H - Super H)
Cooling 145-174-237-321-369 Dry CFM
103-134-201-280-364 Wet CFM
Sound Pressure Level (Quiet - Lo - Med - H - Super H)
Cooling 19-22-30-37-43 dB(A)
External Finish Color Munsell 1.0Y 8.2/3.2
Dimensions Unit
Inches 11-5/8 H x 31-7/16 W x 9-1/8 D
mm 295 H x 793 W x 232 D
Weight Unit 22.84 / 10kg
Field Drainpipe Size O.D. 1/2" x 15 mm

Outdoor Unit

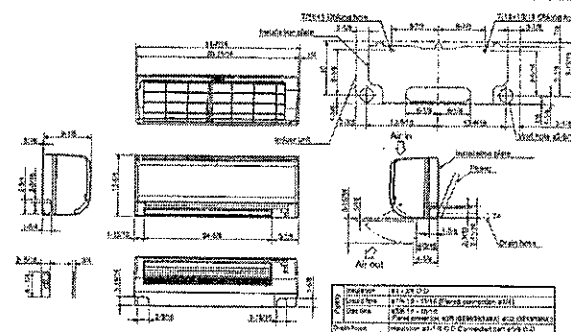
MCA 13 A
Fan Motor (ECM) 0.59 FLA
Sound Pressure Level
Cooling *1 46 dB(A)
External Finish Color Munsell 3Y 7.0/1.1
Dimensions
Inches 21-5/8 H x 31-1/2 W x 11-1/4 D
mm 550 H x 800 W x 285 D
Weight 59 lbs. / 26kg
Refrigerant Type R410A
Refrigerant Pipe
Gas Side O.D. 3/8" / 9.52 mm
Liquid Side O.D. 1/4" / 6.35 mm
Refrigerant Pipe Length
Height Difference (Max.) 40' / 12 m
Length (Max.) 65' / 20 m
Connection Method Flared

Specifications are subject to change without notice.
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DIMENSIONS: MSY-GE09NA-9 & MUY-GE09NA2

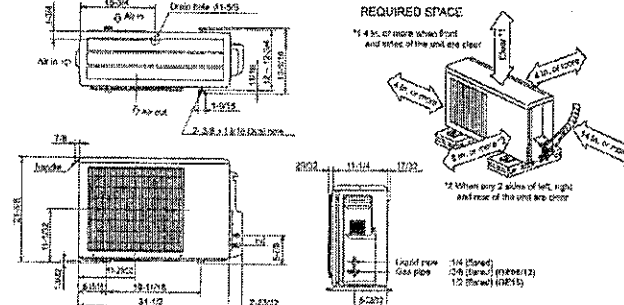
MSY-GE09NA-9

Unit: inch



MUY-GE09NA2

Unit: inch



COOLING & HEATING

1345 Central Boulevard
Denville, NJ 07834
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www.mitsubishi.com

FORM MSY-GE09NA-9 - MUY-GE09NA2 - 201503
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