

Job Name: \_\_\_\_\_

System Reference: \_\_\_\_\_ Date: \_\_\_\_\_



Indoor Unit: MSZ-FH06NA



Wireless Remote Controller



Outdoor Unit: MUZ-FH06NA

### ACCESSORIES:

#### Indoor Unit

- Condensate Pump (BlueDiamond X87-711/721; 115/230V)
- Condensate Pump (Sauermann SI30-115/230; 115/230V)
- Replacement Platinum Deodorizing Filter (MAC-3000FT-E)
- Replacement Anti-allergy Enzyme Filter (MAC-2330FT-E)

#### Outdoor Unit

- Air Discharge Guide (MAC-889SG)
- Base Pan Heater (MAC-640BH-U)
- Drain Socket (MAC-860DS)

#### Controls

- 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)

### SPECIFICATIONS:

Rated Conditions (Capacity / Input)		
Cooling <sup>1</sup>	Btu/h / W	6,000 / 315
Heating at 47° F <sup>2</sup>	Btu/h / W	8,700 / 545

Capacity Range		Minimum	Maximum
Cooling <sup>1</sup>	Btu/h	1,700	9,000
Heating at 47° F <sup>2</sup>	Btu/h	1,600	14,000
Heating at 17° F <sup>3</sup>	Btu/h	-	10,700
Heating at 5° F <sup>4</sup>	Btu/h	-	8,700

<sup>1</sup> Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB; Outdoor: 95° F (35° C) DB / 75° F (24° C) WB  
<sup>2</sup> Heating at 47° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB; Outdoor: 47° F (8° C) DB / 43° F (6° C) WB  
<sup>3</sup> Heating at 17° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB; Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB  
<sup>4</sup> Heating at 5° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB; Outdoor: 5° F (-15° C) DB / 5° F (-15° C) WB  
 \* Rating Conditions per AHRI Standard:

Operating Conditions (Indoor Intake Air Temp.) (Max./ Min.)	
Cooling <sup>5</sup>	90° F (32° C) DB / 67° F (19° C) DB
Heating	80° F (27° C) DB / 70° F (21° C) DB

Operating Conditions (Outdoor Intake Air Temp.) (Max./ Min.)	
Cooling <sup>5</sup>	115° F (46° C) DB / 14° F (-10° C) DB
Heating	75° F (24° C) DB / -13° F (-25° C) DB**

<sup>5</sup> Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.  
 \*\* System cuts out at -18° F (-28° C) to avoid thermistor error and automatically restarts at -14° F (-26° C).

AHRI Efficiency Ratings	
SEER / HSPF	33.1 / 13.5
COP at 47° F / 17° F	4.68 / 3.46

Energy Star®	Yes
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ENERGY STAR products are third-party certified by an EPA-recognized Certification Body.

Specifications are subject to change without notice.

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz
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Minimum Circuit Ampacity (MCA)		
Indoor / Outdoor	A	1 / 11

Indoor Unit		
Blower Motor (ECM)	F.L.A.	0.67
Blower Motor Output	W	30
SHF / Moisture Removal		0.96 / 0.2 pt./h
Field Drainpipe Size O.D.	In.(mm)	5/8 (15)

Outdoor Unit		
Compressor		DC INVERTER-driven Twin Rotary
Fan Motor (ECM)	F.L.A.	0.50

Airflow Rate (Lo - Med - Hi - Super Hi - Powerful)			
Indoor (Cooling)	DRY	CFM	137-167-221-304-381
	WET		117-143-190-261-328
Indoor (Heating)	DRY		140-167-225-325-437
			1,150 / 1,280
Outdoor			

Sound Pressure Level (Lo - Med - Hi - Super Hi - Powerful)			
Indoor	Cooling	dB(A)	20-23-29-36-40
	Heating		20-24-29-36-42
Outdoor	Cooling		47
	Heating		48

External Dimensions		
Indoor (H x W x D)	In.(mm)	12 + 11/16 x 36-7/16 x 9-3/16 (305 +17 x 925 x 234)
Outdoor (H x W x D)		21-5/8 x 31-1/2 x 11-1/4 (550 x 800 x 285)

Net Weight		
Indoor	Lbs.(kg)	29 (12)
Outdoor		81 (37)

External Finish	
Indoor	Munsell 1.0Y 9.2 / 0.2
Outdoor	Munsell No. 3Y 7.8 / 1.1

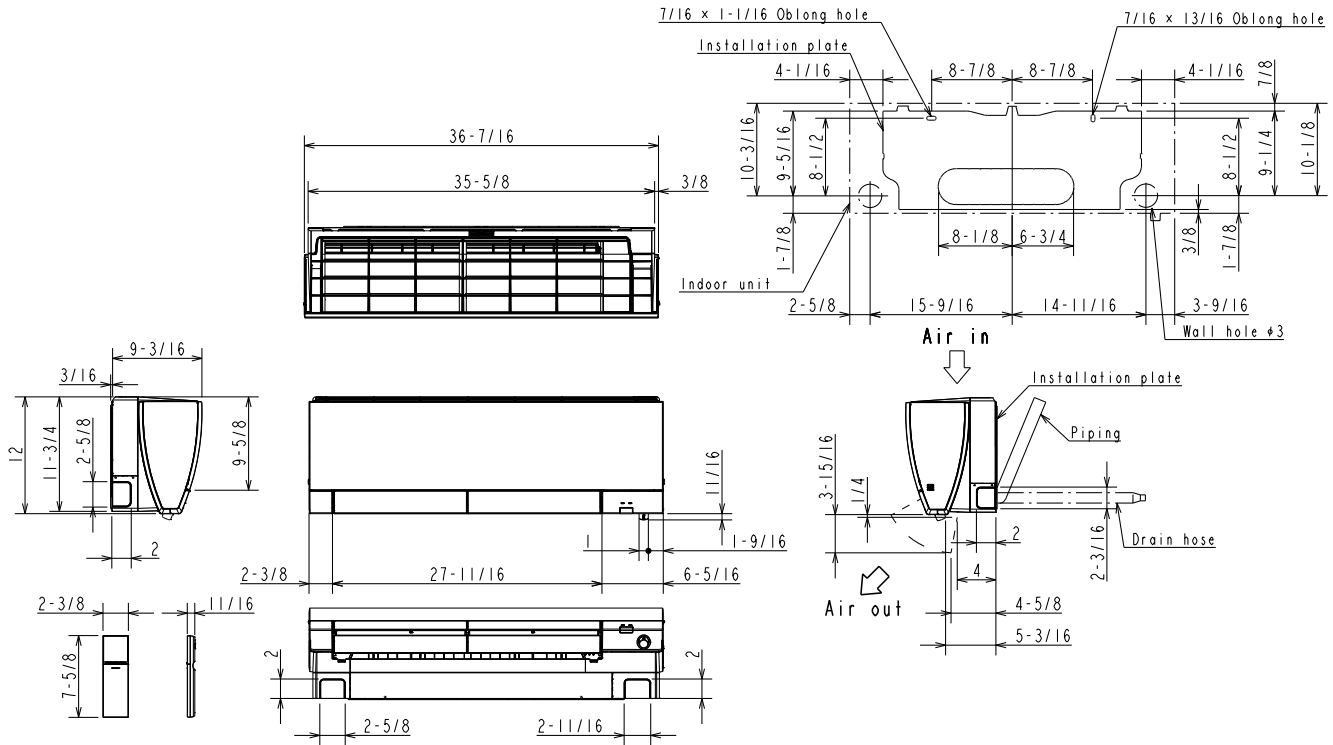
Refrigerant	R410A; 2 lb. 9 oz.
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Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	1/4 (6.35)
Gas (Low Pressure)		3/8 (9.52)
Max. Total Refrigerant Pipe Length (Height Diff.)	Ft. (m)	40 (12)
Max. Total Refrigerant Pipe Length (Length.)		65 (20)

# DIMENSIONS: MSZ-FH06NA & MUZ-FH06NA

## MSZ-FH06NA

Unit: inch

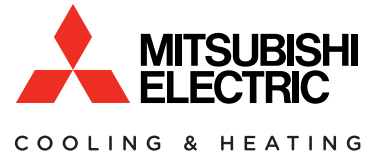
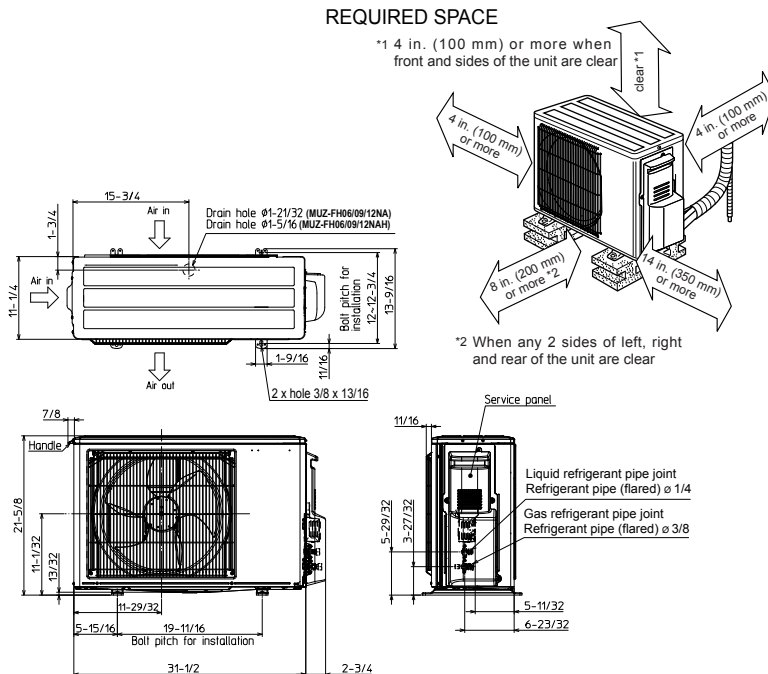


**(MSZ-FH06/09/12NA)**

Piping	Insulation	ø1-7/16 O.D.
Liquid line	ø1/4	19-11/16 (Flared connection ø1/4)
Gas line	ø3/8	16-15/16 (Flared connection ø3/8)
Drain hose	Insulation	ø1-1/8 Connected part ø5/8 O.D.

## MUZ-FH06NA

Unit: inch



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Job Name: \_\_\_\_\_

System Reference: \_\_\_\_\_ Date: \_\_\_\_\_



Indoor Unit: MSZ-FH09NA



Wireless Remote Controller



Outdoor Unit: MUZ-FH09NA

### ACCESSORIES:

#### Indoor Unit

- Condensate Pump (BlueDiamond X87-711/721; 115/230V)
- Condensate Pump (Sauermann SI30-115/230; 115/230V)
- Replacement Platinum Deodorizing Filter (MAC-3000FT-E)
- Replacement Anti-allergy Enzyme Filter (MAC-2330FT-E)

#### Outdoor Unit

- Base Pan Heater (MAC-640BH-U)
- Drain Socket (MAC-860DS)

#### Controls

- 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)

### SPECIFICATIONS:

Rated Conditions (Capacity / Input)		
Cooling <sup>1</sup>	Btu/h / W	9,000 / 560
Heating at 47° F <sup>2</sup>	Btu/h / W	10,900 / 710

Capacity Range		Minimum	Maximum
Cooling <sup>1</sup>	Btu/h	1,700	12,000
Heating at 47° F <sup>2</sup>	Btu/h	1,600	18,000
Heating at 17° F <sup>3</sup>	Btu/h	-	12,200
Heating at 5° F <sup>4</sup>	Btu/h	-	10,900

1. Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB; Outdoor: 95° F (35° C) DB / 75° F (24° C) WB\*
  2. Heating at 47° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB; Outdoor: 47° F (8° C) DB / 43° F (6° C) WB\*
  3. Heating at 17° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB; Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB\*
  4. Heating at 5° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB; Outdoor: 5° F (-15° C) DB / 5° F (-15° C) WB
- \* Rating Conditions per AHRI Standard

Operating Conditions (Indoor Intake Air Temp.) (Max./ Min.)	
Cooling <sup>5</sup>	90° F (32° C) DB / 67° F (19° C) DB
Heating	80° F (27° C) DB / 70° F (21° C) DB

Operating Conditions (Outdoor Intake Air Temp.) (Max./ Min.)	
Cooling <sup>5</sup>	115° F (46° C) DB / 14° F (-10° C) DB
Heating	75° F (24° C) DB / -13° F (-25° C) DB**

<sup>5</sup> Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.  
<sup>\*\*</sup> System cuts out at -18° F (-28° C) to avoid thermistor error and automatically restarts at -14° F (-26° C).

AHRI Efficiency Ratings	
SEER	30.5
HSPF	13.5
COP at 47° F	4.5
COP at 17° F	3.33

<b>Energy Star®</b>	Yes
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Specifications are subject to change without notice.

<b>Electrical Power Requirements</b>	208 / 230V, 1-Phase, 60 Hz
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Minimum Circuit Ampacity (MCA)		
Indoor / Outdoor	A	1 / 11

Indoor Unit		
Blower Motor (ECM)	F.L.A.	0.67
Blower Motor Output	W	30
SHF / Moisture Removal		0.92 / 0.6 pt./h
Field Drainpipe Size O.D.	In.(mm)	5/8 (15)

Outdoor Unit		
Compressor		DC INVERTER-driven Twin Rotary
Fan Motor (ECM)	F.L.A.	0.50

Airflow Rate (Lo - Med - Hi - Super Hi - Powerful)			
Indoor (Cooling)	DRY	CFM	137-167-221-304-381
	WET		117-143-190-261-328
Indoor (Heating)	DRY		140-167-225-325-437
			1,150 / 1,280
Outdoor			

Sound Pressure Level (Lo - Med - Hi - Super Hi - Powerful)			
Indoor	Cooling	dB(A)	20-23-29-36-40
	Heating		20-24-29-36-42
Outdoor	Cooling		48
	Heating		49

External Dimensions		
Indoor (H x W x D)	In.(mm)	12 + 11/16 x 36-7/16 x 9-3/16 (305 +17 x 925 x 234)
Outdoor (H x W x D)		21-5/8 x 31-1/2 x 11-1/4 (550 x 800 x 285)

Net Weight		
Indoor	Lbs.(kg)	29 (12)
Outdoor		81 (37)

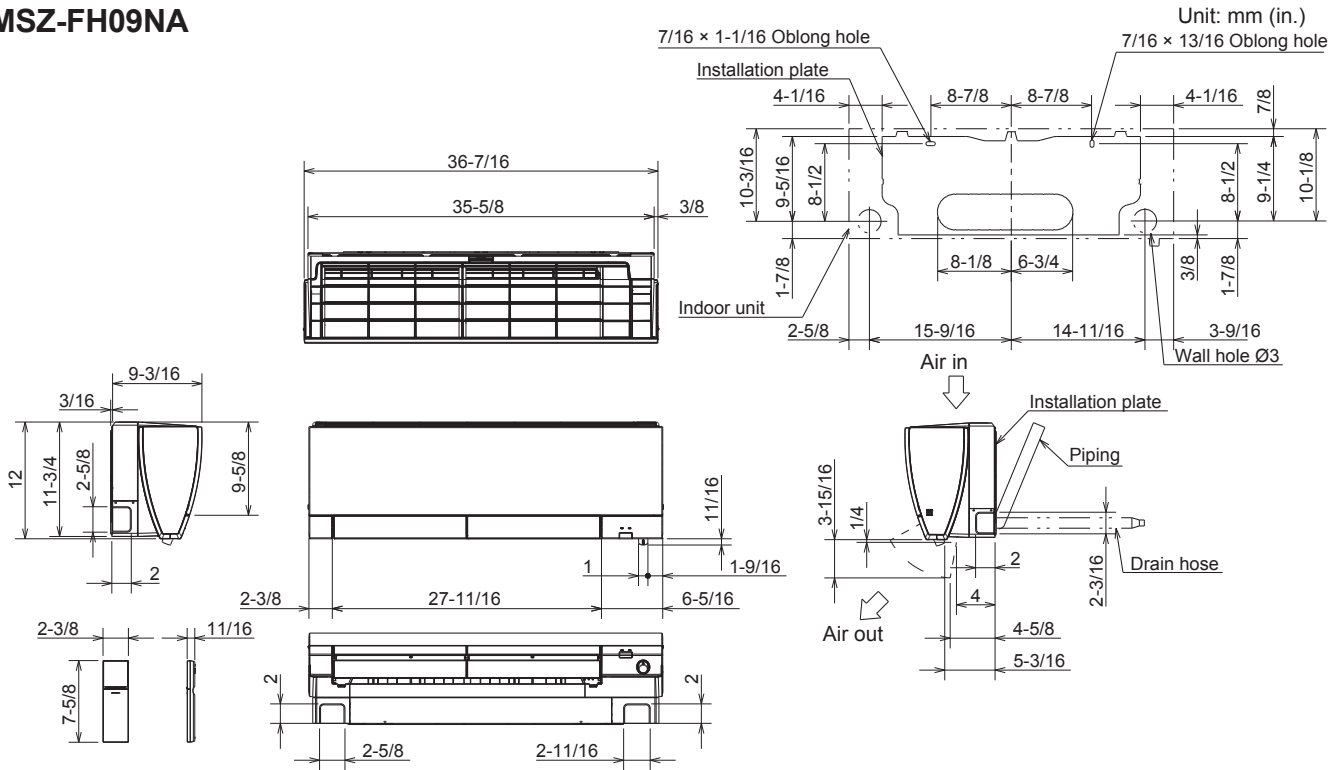
External Finish	
Indoor	Munsell 1.0Y 9.2 / 0.2
Outdoor	Munsell No. 3Y 7.8 / 1.1

<b>Refrigerant</b>	R410A ; 2 lb. 9 oz.
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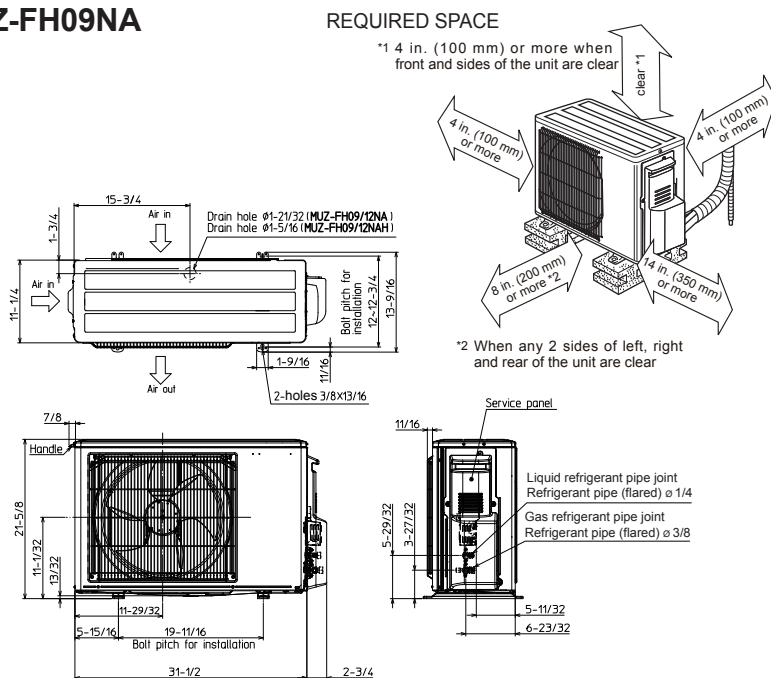
Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	1/4 (6.35)
Gas (Low Pressure)		3/8 (9.52)
Max. Total Refrigerant Pipe Length (Height Diff.)	Ft. (m)	40 (12)
Max. Total Refrigerant Pipe Length (Length.)		65 (20)

# DIMENSIONS: MSZ-FH09NA & MUZ-FH09NA

## MSZ-FH09NA



## MUZ-FH09NA



COOLING & HEATING

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Job Name: \_\_\_\_\_

System Reference: \_\_\_\_\_ Date: \_\_\_\_\_



Indoor Unit: MSZ-FH12NA



Wireless Remote Controller



Outdoor Unit: MUZ-FH12NA

### ACCESSORIES:

#### Indoor Unit

- Condensate Pump (BlueDiamond X87-711/721; 115/230V)
- Condensate Pump (Sauermann SI30-115/230; 115/230V)
- Replacement Platinum Deodorizing Filter (MAC-3000FT-E)
- Replacement Anti-allergy Enzyme Filter (MAC-2330FT-E)

#### Outdoor Unit

- Base Pan Heater (MAC-640BH-U)
- Drain Socket (MAC-860DS)

#### Controls

- 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)

### SPECIFICATIONS:

Rated Conditions (Capacity / Input)		
Cooling <sup>1</sup>	Btu/h / W	12,000 / 870
Heating at 47° F <sup>2</sup>	Btu/h / W	13,600 / 950

Capacity Range		Minimum	Maximum
Cooling <sup>1</sup>	Btu/h	2,500	13,600
Heating at 47° F <sup>2</sup>	Btu/h	3,700	21,000
Heating at 17° F <sup>3</sup>	Btu/h	-	13,600
Heating at 5° F <sup>4</sup>	Btu/h	-	13,600

1. Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB; Outdoor: 95° F (35° C) DB / 75° F (24° C) WB\*
  2. Heating at 47° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB; Outdoor: 47° F (8° C) DB / 43° F (6° C) WB\*
  3. Heating at 17° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB; Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB\*
  4. Heating at 5° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB; Outdoor: 5° F (-15° C) DB / 5° F (-15° C) WB
- \* Rating Conditions per AHRI Standard

Operating Conditions (Indoor Intake Air Temp.) (Max./ Min.)	
Cooling <sup>5</sup>	90° F (32° C) DB / 67° F (19° C) DB
Heating	80° F (27° C) DB / 70° F (21° C) DB

Operating Conditions (Outdoor Intake Air Temp.) (Max./ Min.)	
Cooling <sup>5</sup>	115° F (46° C) DB / 14° F (-10° C) DB
Heating	75° F (24° C) DB / -13° F (-25° C) DB**

<sup>5</sup> Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.  
 \*\* System cuts out at -18° F (-28° C) to avoid thermistor error and automatically restarts at -14° F (-26° C).

AHRI Efficiency Ratings	
SEER	26.1
HSPF	12.5
COP at 47° F	4.2
COP at 17° F	3.34

**Energy Star®** Yes

ENERGY STAR products are third-party certified by an EPA-recognized Certification Body.

Specifications are subject to change without notice.

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz
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Minimum Circuit Ampacity (MCA)		
Indoor / Outdoor	A	1 / 11

Indoor Unit		
Blower Motor (ECM)	F.L.A.	0.67
Blower Motor Output	W	30
SHF / Moisture Removal		0.83 / 1.9 pt./h
Field Drainpipe Size O.D.	In.(mm)	5/8 (15)

Outdoor Unit		
Compressor		DC INVERTER-driven Twin Rotary
Fan Motor (ECM)	F.L.A.	0.50

Airflow Rate (Lo - Med - Hi - Super Hi - Powerful)			
Indoor (Cooling)	DRY	CFM	137-167-221-304-398
	WET		117-143-190-261-342
Indoor (Heating)	DRY		140-167-225-325-454
Outdoor			1,190 / 1,320

Sound Pressure Level (Lo - Med - Hi - Super Hi - Powerful)			
Indoor	Cooling	dB(A)	21-24-29-36-41
	Heating		21-24-29-36-42
Outdoor	Cooling		49
	Heating		51

External Dimensions		
Indoor (H x W x D)	In.(mm)	12 + 11/16 x 36-7/16 x 9-3/16 (305 + 17 x 925 x 234)
Outdoor (H x W x D)		21-5/8 x 31-1/2 x 11-1/4 (550 x 800 x 285)

Net Weight		
Indoor	Lbs.(kg)	29 (12)
Outdoor		83 (38)

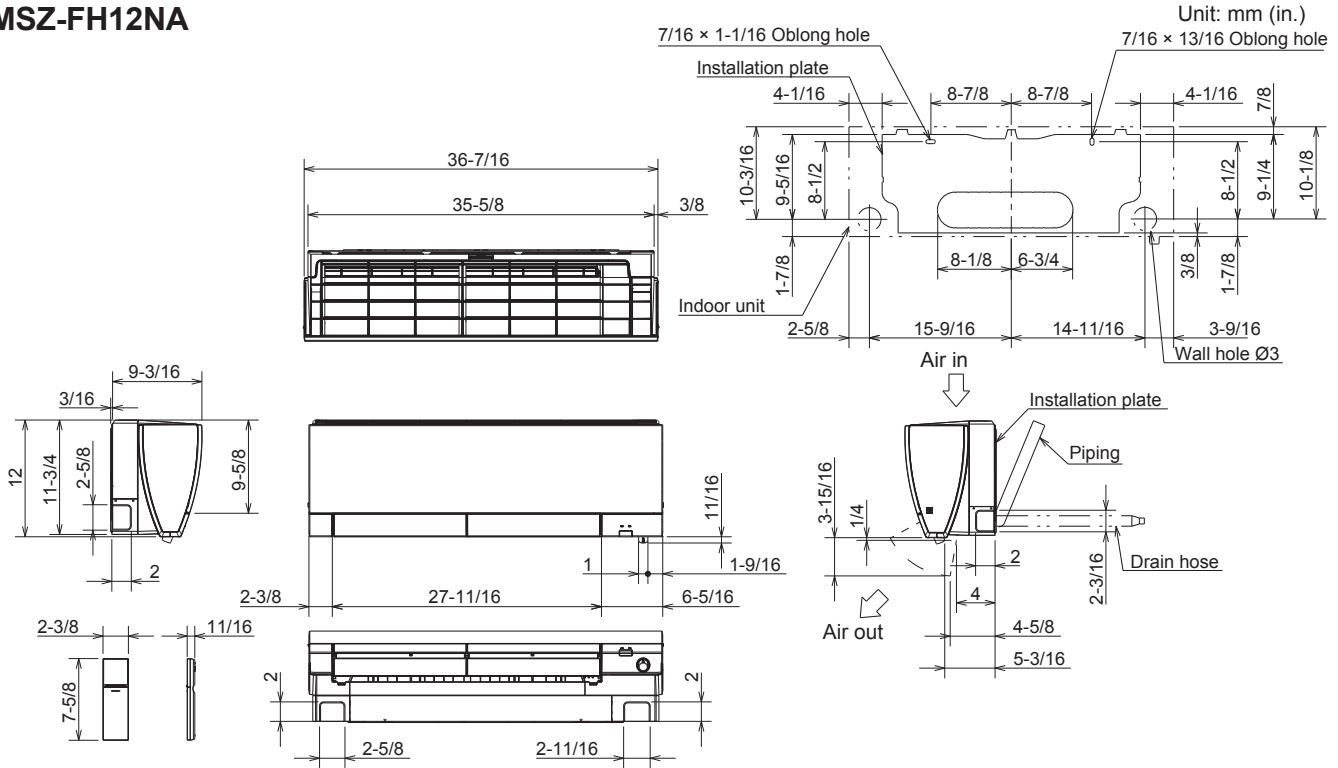
External Finish	
Indoor	Munsell 1.0Y 9.2 / 0.2
Outdoor	Munsell No. 3Y 7.8 / 1.1

Refrigerant	R410A ; 2 lb. 9 oz.
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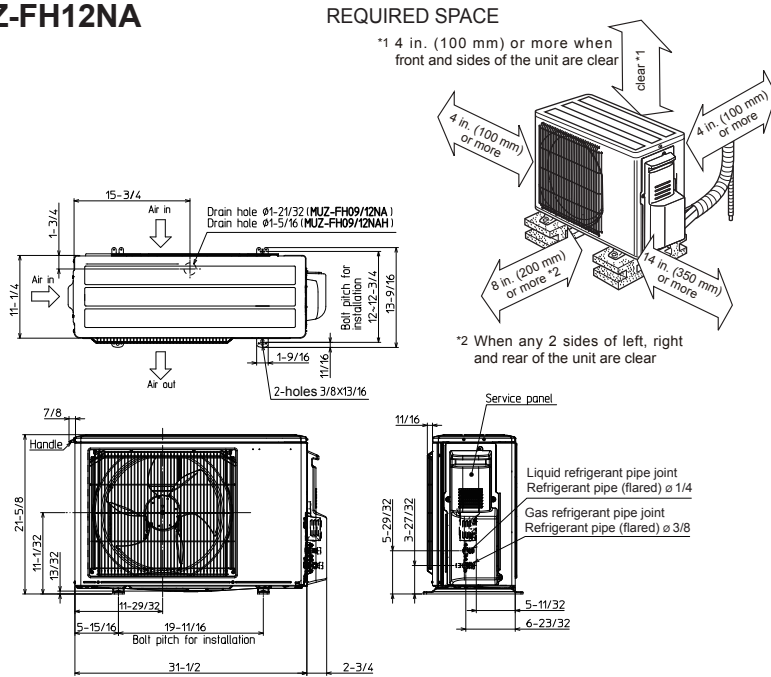
Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	1/4 (6.35)
Gas (Low Pressure)		3/8 (9.52)
Max. Total Refrigerant Pipe Length (Height Diff.)	Ft. (m)	40 (12)
Max. Total Refrigerant Pipe Length (Length.)		65 (20)

# DIMENSIONS: MSZ-FH12NA & MUZ-FH12NA

## MSZ-FH12NA



## MUZ-FH12NA



COOLING & HEATING

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Job Name: \_\_\_\_\_

System Reference: \_\_\_\_\_ Date: \_\_\_\_\_



Indoor Unit: MSZ-FH15NA



Wireless Remote Controller



Outdoor Unit: MUZ-FH15NA

### ACCESSORIES:

#### Indoor Unit

- Condensate Pump (BlueDiamond X87-711/721; 115/230V)
- Condensate Pump (Sauermann SI30-115/230; 115/230V)
- Replacement Platinum Deodorizing Filter (MAC-3000FT-E)
- Replacement Anti-allergy Enzyme Filter (MAC-2330FT-E)

#### Outdoor Unit

- Air Discharge Guide (MAC-886SG-E)
- Base Pan Heater (MAC-642BH-U)
- Drain Socket (MAC-851DS)

#### Controls

- 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)

### SPECIFICATIONS:

Rated Conditions (Capacity / Input)		
Cooling <sup>1</sup>	Btu/h / W	15,000 / 1,200
Heating at 47° F <sup>2</sup>	Btu/h / W	18,000 / 1,300

Capacity Range		Minimum	Maximum
Cooling <sup>1</sup>	Btu/h	6,450	19,000
Heating at 47° F <sup>2</sup>	Btu/h	5,150	24,000
Heating at 17° F <sup>3</sup>	Btu/h	-	18,000
Heating at 5° F <sup>4</sup>	Btu/h	-	18,000

<sup>1</sup> Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB; Outdoor: 95° F (35° C) DB / 75° F (24° C) WB  
<sup>2</sup> Heating at 47° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB; Outdoor: 47° F (8° C) DB / 43° F (6° C) WB  
<sup>3</sup> Heating at 17° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB; Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB  
<sup>4</sup> Heating at 5° F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB; Outdoor: 5° F (-15° C) DB / 5° F (-15° C) WB  
 \* Rating Conditions per AHRI Standard:

Operating Conditions (Indoor Intake Air Temp.) (Max./ Min.)	
Cooling <sup>5</sup>	90° F (32° C) DB / 67° F (19° C) DB
Heating	80° F (27° C) DB / 70° F (21° C) DB

Operating Conditions (Outdoor Intake Air Temp.) (Max./ Min.)	
Cooling <sup>5</sup>	115° F (46° C) DB / 14° F (-10° C) DB
Heating	75° F (24° C) DB / -13° F (-25° C) DB**

<sup>5</sup> Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.  
 \*\* System cuts out at -18° F (-28° C) to avoid thermistor error and automatically restarts at -14° F (-26° C).

AHRI Efficiency Ratings	
SEER / HSPF	22 / 12
COP at 47° F / 17° F	4.06 / 3.19

Energy Star®	Yes
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Specifications are subject to change without notice.

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz
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Minimum Circuit Ampacity (MCA)		
Indoor / Outdoor	A	1 / 16

Indoor Unit		
Blower Motor (ECM)	F.L.A.	0.67
Blower Motor Output	W	30
SHF / Moisture Removal		0.70 / 4.0 pt./h
Field Drainpipe Size O.D.	In.(mm)	5/8 (15)

Outdoor Unit		
Compressor		DC INVERTER-driven Twin Rotary
Fan Motor (ECM)	F.L.A.	0.93

Airflow Rate (Lo - Med - Hi - Super Hi - Powerful)			
Indoor (Cooling)	DRY	CFM	225-262-304-355-411
	WET		194-225-261-305-354
Indoor (Heating)	DRY		201-254-317-394-497
			1,220 / 1,420

Sound Pressure Level (Lo - Med - Hi - Super Hi - Powerful)			
Indoor	Cooling	dB(A)	27-31-35-39-44
	Heating		25-29-34-39-46
Outdoor	Cooling		51
	Heating		55

External Dimensions		
Indoor (H x W x D)	In.(mm)	12 + 11/16 x 36-7/16 x 9-3/16 (305 +17 x 925 x 234)
Outdoor (H x W x D)		34-5/8 x 33-1/16 x 13 (880 x 840 x 330)

Net Weight		
Indoor	Lbs.(kg)	29 (12)
Outdoor		124 (56)

External Finish	
Indoor	Munsell 1.0Y 9.2 / 0.2
Outdoor	Munsell No. 3Y 7.8 / 1.1

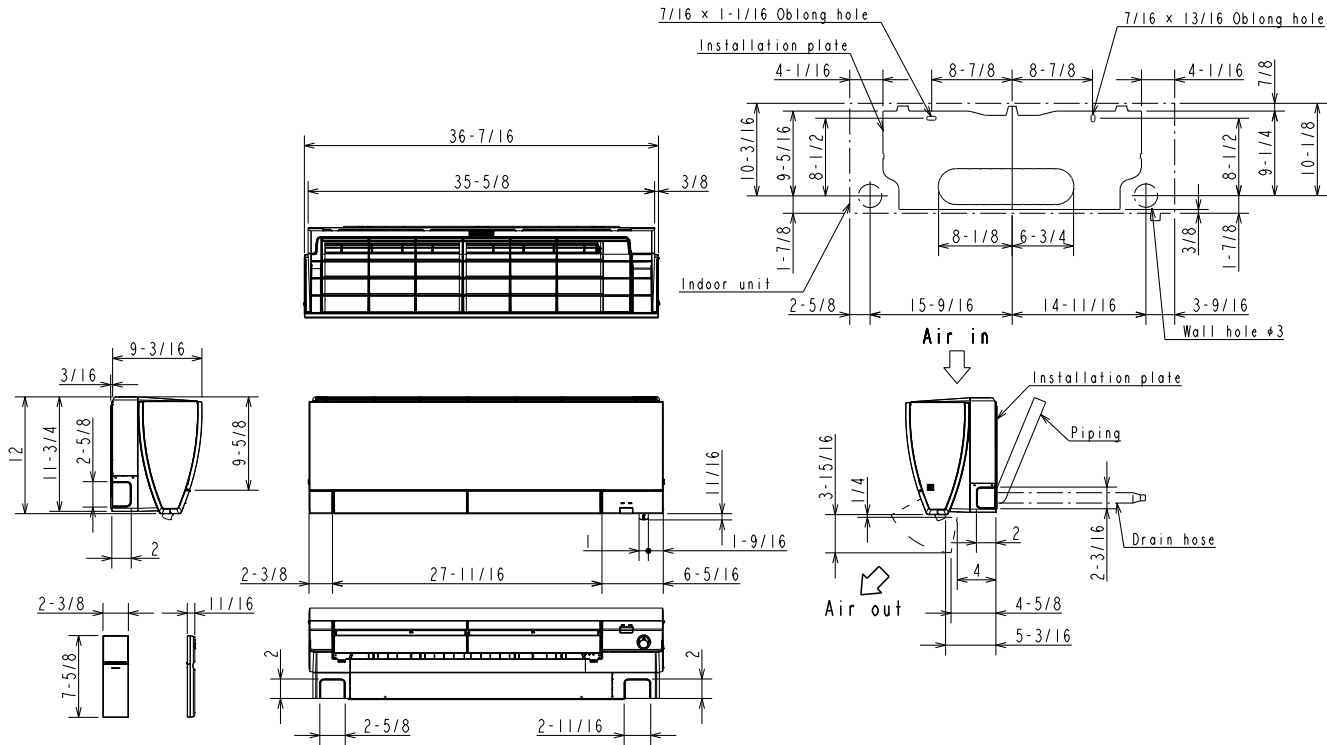
Refrigerant	R410A; 3 lb. 7 oz.
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Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	1/4 (6.35)
Gas (Low Pressure)		1/2 (12.7)
Max. Total Refrigerant Pipe Length (Height Diff.)	Ft. (m)	50 (15)
Max. Total Refrigerant Pipe Length (Length.)		100 (30)

# DIMENSIONS: MSZ-FH15NA & MUZ-FH15NA

## MSZ-FH15NA

Unit: inch

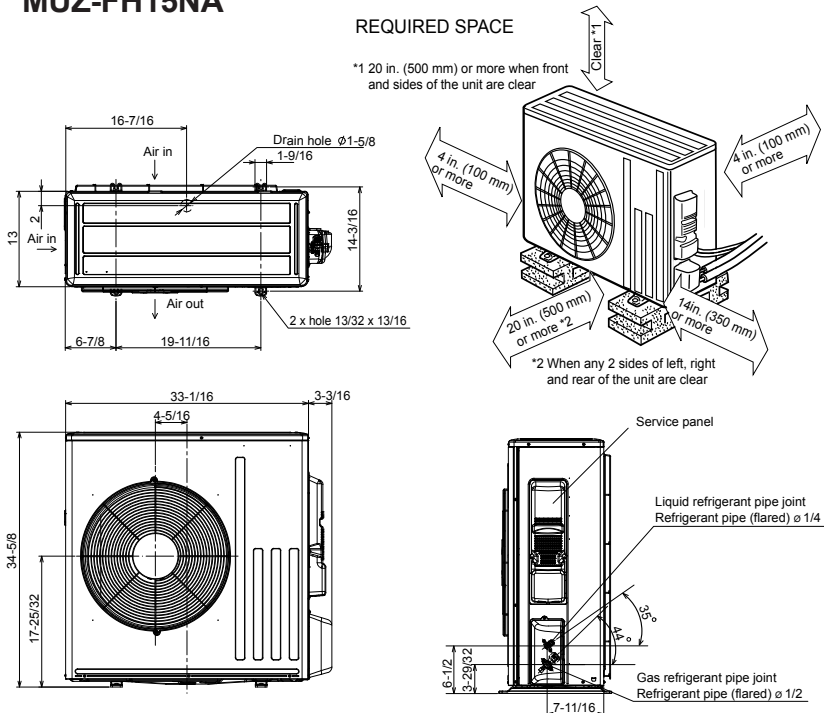


**(MSZ-FH15/18NA/18NA2)**

Piping	Insulation	Ø1-7/16 O.D
	Liquid line	Ø1/4 19-11/16 (Flared connection Ø1/4)
	Gas line	Ø3/8 16-15/16 (Flared connection Ø1/2)
	Drain hose	Insulation Ø1-1/8 Connected part Ø5/8 O.D

## MUZ-FH15NA

Unit: inch



COOLING & HEATING

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Job Name: \_\_\_\_\_

System Reference: \_\_\_\_\_ Date: \_\_\_\_\_



Indoor Unit: MSZ-FH18NA



Wireless Remote Controller



Outdoor Unit: MUZ-FH18NA

### ACCESSORIES:

#### Indoor Unit

- Condensate Pump (BlueDiamond X87-711/721; 115/230V)
- Condensate Pump (Sauermann SI30-115/230; 115/230V)
- Replacement Platinum Deodorizing Filter (MAC-3000FT-E)
- Replacement Anti-allergy Enzyme Filter (MAC-2330FT-E)

#### Outdoor Unit

- Base Pan Heater (MAC-642BH-U)
- Drain Socket (MAC-860DS)

#### Controls

- Wireless Controller (MHK1)
- Advanced Wired Controller (PAR-31MAA requires MAC-333IF)
- Simple Wired Controller (PAC-YT53CRAU requires MAC-333IF)
- M-NET Adapter (PAC-SF83MA-E)
- System Control Interface (MAC-333IF)

### SPECIFICATIONS:

Rated Conditions (Capacity / Input)		
Cooling <sup>1</sup>	Btu/h / W	17,200 / 1,430
Heating at 47° F <sup>2</sup>	Btu/h / W	20,300 / 1,720

Capacity Range		Minimum	Maximum
Cooling <sup>1</sup>	Btu/h	6,450	21,000
Heating at 47° F <sup>2</sup>	Btu/h	5,150	30,000
Heating at 17° F <sup>3</sup>	Btu/h	-	20,300
Heating at 5° F <sup>4</sup>	Btu/h	-	20,300

1. Cooling | Indoor: 80° F(27° C)DB / 67° F(19° C)WB; Outdoor: 95° F(35° C)DB / 75° F(24° C)WB\*
  2. Heating at 47° F | Indoor: 70° F(21° C)DB / 60° F(16° C)WB; Outdoor: 47° F(8° C)DB / 43° F(6° C)WB\*
  3. Heating at 17° F | Indoor: 70° F(21° C)DB / 60° F(16° C)WB; Outdoor: 17° F(-8° C)DB / 15° F(-9° C)WB\*
  4. Heating at 5° F | Indoor: 70° F(21° C)DB / 60° F(16° C)WB; Outdoor: 5° F(-15° C)DB / 5° F(-15° C)WB\*
- \* Rating Conditions per AHRI Standard

Operating Conditions (Indoor Intake Air Temp.) (Max./ Min.)	
Cooling	90° F (32° C) DB / 67° F (19° C) DB
Heating	80° F (27° C) DB / 70° F (21° C) DB

Operating Conditions (Outdoor Intake Air Temp.) (Max./ Min.)	
Cooling	115° F (46° C) DB / 14° F (-10° C) DB
Heating	75° F (24° C) DB / -13° F (-25° C) DB**

\*\* System cuts out at -18° F (-28° C) to avoid thermistor error, but recovers from cutout operation and automatically restarts at -14° F (-26° C).

AHRI Efficiency Ratings	
SEER	21
HSPF	12
COP at 47° F	3.46
COP at 17° F	3.04

Electrical Power Requirements	208 / 230V, 1-Phase, 60 Hz
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Minimum Circuit Ampacity (MCA)		
Indoor / Outdoor	A	1 / 16

Indoor Unit		
Blower Motor (ECM)	F.L.A.	0.67
Blower Motor Output	W	30
SHF / Moisture Removal		0.67 / 5.1 pt./h
Field Drainpipe Size O.D.	In.(mm)	5/8 (15)

Outdoor Unit		
Compressor		DC INVERTER-driven Twin Rotary
Fan Motor (ECM)	F.L.A.	0.93

Airflow Rate (Lo - Med - Hi - Super Hi - Powerful)			
Indoor (Cooling)	DRY	CFM	225-262-304-355-437
	WET		194-225-261-305-376
Indoor (Heating)	DRY		201-254-317-394-514
Outdoor			1,692 / 1,634

Sound Pressure Level (Lo - Med - Hi - Super Hi - Powerful)			
Indoor	Cooling	dB(A)	27-31-35-39-44
	Heating		25-29-34-39-46
Outdoor	Cooling		52
	Heating		55

External Dimensions		
Indoor (H x W x D)	In.(mm)	12 + 11/16 x 36-7/16 x 9-3/16 (305 + 17 x 925 x 234)
Outdoor (H x W x D)		34-5/8 x 33-1/16 x 13 (880 x 840 x 330)

Net Weight		
Indoor	Lbs.(kg)	29 (12)
Outdoor		124 (56)

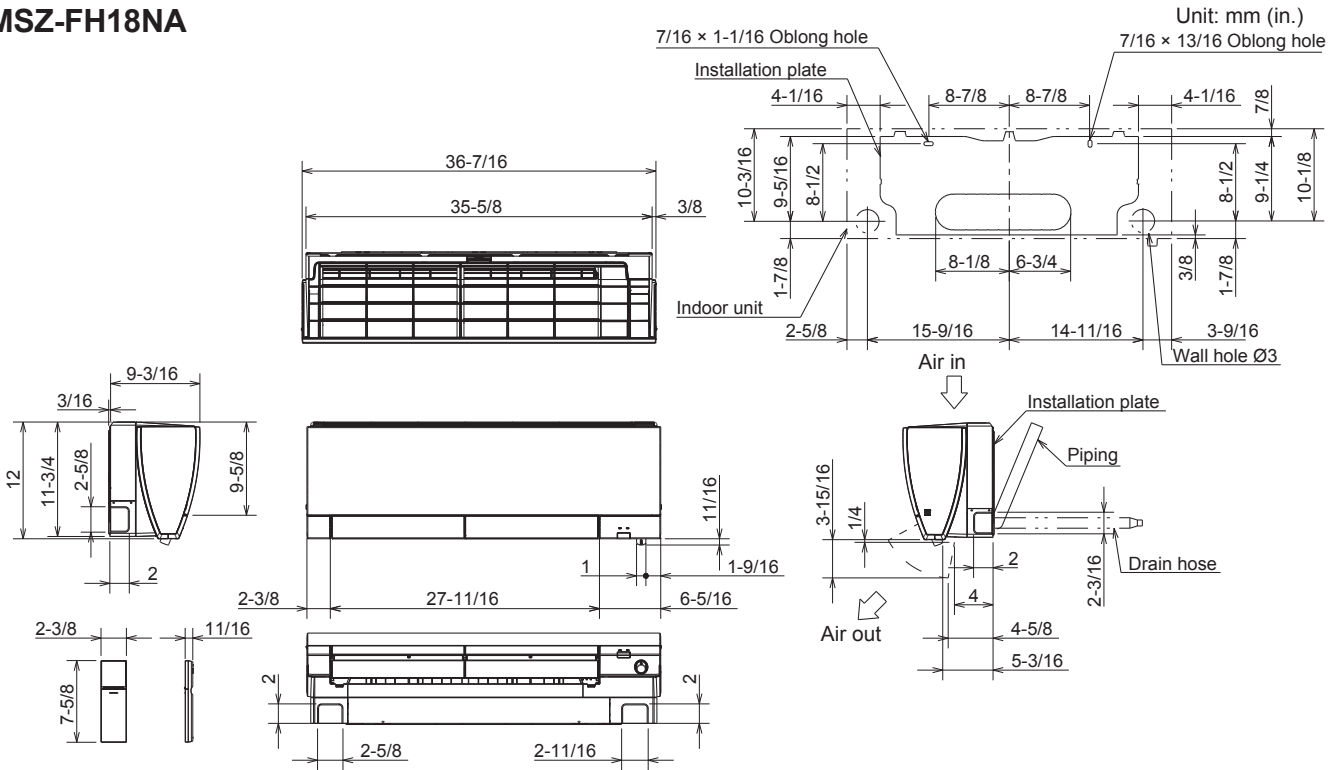
External Finish	
Indoor	Munsell 1.0Y 9.2 / 0.2
Outdoor	Munsell No. 3Y 7.8 / 1.1

Refrigerant	R410A ; 3 lb. 7 oz.
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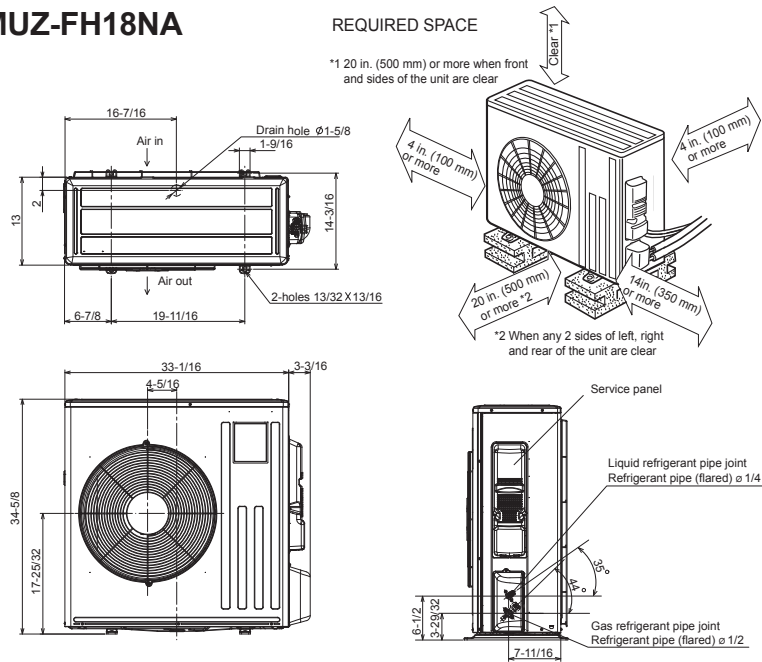
Refrigerant Piping (Flared)		
Liquid (High Pressure)	In.(mm)	1/4 (6.35)
Gas (Low Pressure)		1/2 (12.7)
Max. Total Refrigerant Pipe Length (Height Diff.)	Ft. (m)	50 (15)
Max. Total Refrigerant Pipe Length (Length.)		100 (30)

# DIMENSIONS: MSZ-FH18NA & MUZ-FH18NA

## MSZ-FH18NA



## MUZ-FH18NA



COOLING & HEATING

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