

Job Name:

System Reference:

Date:

MRCH2



MIFH2



MRC2

MRCH2 REMOTE CONTROLLER SPECIFICATIONS

- Touch panel, Backlit, easy-to-read display
- Used RedLINK™ 3.0 wireless technology
 - Not compatible with MHK1, MOS1, and MCCH1 RedLINK 2.0 wireless technology environment.
- User functions allow user to set:
 - On/Off
 - Operation modes cool, heat, drying, fan
 - Set temperature (separate dual set points for heat and cool)
 - Fan speed setting
 - Airflow direction
- Set temperature range limits (dependent on the system connected):
 - Cooling from 50° to 99° F
 - Heating from 40° to 90° F
 - Auto from 50° to 90° F with dual temperature setting
- MHK2 Scheduling options:
 - No Schedule
 - MO-SU = Every day the same
 - MO-FR, SA, SU = 5-1-1 schedule
 - MO-FR, SA-SU = 5-2 schedule
 - Each Day = Every day individual
 - Allow kumo cloud to be schedule holder
- Hold function
- Temporary or Permanent schedule override
- Lockout:
 - On
 - Off
 - Mode
 - Fan Speed
 - Set point
 - Vane Direction
- Day/Time display with a 12 or 24-hour clock
- Supports both Fahrenheit and Celsius
- RedLINK™ Wireless Connection Status
- Filter sign display
- Diagnostics: Displays and records error codes
- Adjustable auto mode deadband

- Space temperature offset adjustment
- Space humidity offset adjustment
- Hide (on screen only)
 - Indoor temperature
 - Indoor humidity
- Temperature Sensing Source
 - MHK2
 - Indoor Unit
 - RedLINK Wireless Indoor Air Sensor (IAS)
 - Average of MHK2 and RedLINK Wireless Indoor Air Sensor (IAS)
- Indoor Humidity Source
 - MHK2
 - RedLINK Wireless Indoor Air Sensor (IAS)
 - Average of MHK2 and RedLINK Wireless Indoor Air Sensor (IAS)
- Improved indoor unit function code list
 - Indoor unit type
 - Expanded to 28 indoor unit codes
- Reset to factory default
- Uses two “AA” alkaline batteries (included)
- Dimensions: 4-5/64” x 4-5/64” x 1-1/16” (104 x 104 x 27 mm)
- Operating Ambient Temperature: 32° to 120° F (0° to 48.9° C)
- Operating Relative Humidity: 5% to 90%

MIFH2 WIRELESS RECEIVER SPECIFICATIONS:

- Included in MHK2 Kit
- Mounts next to or near indoor units to allow MRCH2 Remote Controller operation
- Connects to indoor unit control board with MRC2 Cable
- Dimensions: 3-3/32” H x 1-3/4” W x 39/64” D (74.8 x 44.4 x 15.4 mm)
- Operating Ambient Temperature: -40° to 165° F (-40° to 73.9° C)
- Operating Relative Humidity: 5% to 95%

MRC2 CABLE

- Included in MHK2 Kit in the MIFH2 box
- Connects MIFH2 Wireless Receiver to the CN105 connector on indoor unit control board
- Length: 39-23/64" (1 m)

MODEL: MHK2 kumo touch™



kumo cloud & MHK2

- kumo cloud and MHK2 can work together on the same indoor unit with the following devices:
 - Wireless Interface 2
 - PAC-USWHS002-WF-2
 - Wireless Interface 2 has an additional CN105 connector on it
 - MHK2 kit
- Compatibility with indoor units:
 - All CITY MULTI®
 - All P-Series
 - All M-series

Accessories

- Wireless Interface 2 (PAC-USWHS002-WF-2)
- CN105 IT Extender (PAC-WHS01E-E)
- RedLINK 3.0 Wireless Indoor Air Sensor
- Not sold by Mitsubishi Electric Trane HVAC LLC
- Honeywell (C7189R2002-2/U)



Specifications are subject to change without notice.
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 M_Submittal_MHK2 kumo touch 03-2020

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GENERAL FEATURES

- Ducted air handler provides a solution to cool and heat larger zones
- Highly efficient completely enclosed EC motor
- Selectable external static pressure: 0.30, 0.50 and 0.80 in.WG with 3 fan speeds at each static setting
- 1 inch R4.2 fiberglass free insulation reduces condensation and increases efficiency
- Positive pressure cabinet with air leakage of less than 2.0% at 1.0 in. w.g. (Tested per ASHRAE Standard 193)
- Unique blow through design allows simple coil cleaning when the blower is removed
- Multi-position installation: horizontal (left or right), vertical (upflow)
- Optional electric heat kit for additional heating capacity
- Built-in humidifier control, ERV control and auxiliary heat control
- Optional downflow kit

SPECIFICATIONS: SVZ-KP30NA

Cooling Capacity ^{1, 3}		BTU/H	27,000
Heating Capacity ^{2, 3}		BTU/H	30,000
Electrical	Voltage, Phase, Frequency		208/230V, 1 phase, 60Hz
	Guaranteed Voltage Range		V AC 187-253
	Voltage: Indoor - Outdoor, S1-S2		V AC 208/230
	Voltage: Indoor - Outdoor, S2-S3		V DC 24
	Voltage: Indoor - Remote controller		V DC 12
MCA		A	4.13
Fan Motor Full Load Amperage		A	3.3
Fan Motor Output		W	244
Airflow Rate at Cooling, Dry		CFM	875-744-613
Airflow Rate at Heating, Dry		CFM	875-744-613
Sound Pressure Level (Cooling) ¹		dB(A)	40-46-32
Sound Pressure Level (Heating) ²		dB(A)	40-46-32
External Static Pressure		in.WG	0.30-0.50-0.80
Drain Pipe Size		In. (mm)	3/4 (19)
Heat Exchanger Type			Plate fin coil
External Finish Color			Black
Unit Dimensions	W: In. (mm)		21 (533)
	D: In. (mm)		21-5/8 (549)
	H: In. (mm)		43-3/4 (1,111)
Package Unit Dimensions	W: In. (mm)		22 (558)
	D: In. (mm)		28-3/4 (730)
	H: In. (mm)		48-3/8 (1,228)
Unit Weight		Lbs. (kg)	119 (54)
Package Unit Weight		Lbs. (kg)	141 (64)
Refrigerant	Type		R410A
	Charge		Lbs, oz 4, 14
Piping	Gas Pipe Size O.D. (Flared)		In.(mm) 5/8 (12.88)
	Liquid Pipe Size O.D. (Flared)		In.(mm) 3/8 (9.52)

Notes:

Nominal Conditions	¹ Cooling (Indoor // Outdoor)	°F	80 DB, 67 WB // 95 DB, 75 WB
	² Heating at 47°F (Indoor // Outdoor)	°F	70 DB, 60 WB // 47 DB, 43 WB

³Capacity varies based on the number of indoor units operating and the model of the Multi-zone Outdoor Unit. For reference to connected capacity charts, please refer Multi-zone Outdoor Unit Operational Performance.

ACCESSORIES: SVZ-KP30NA

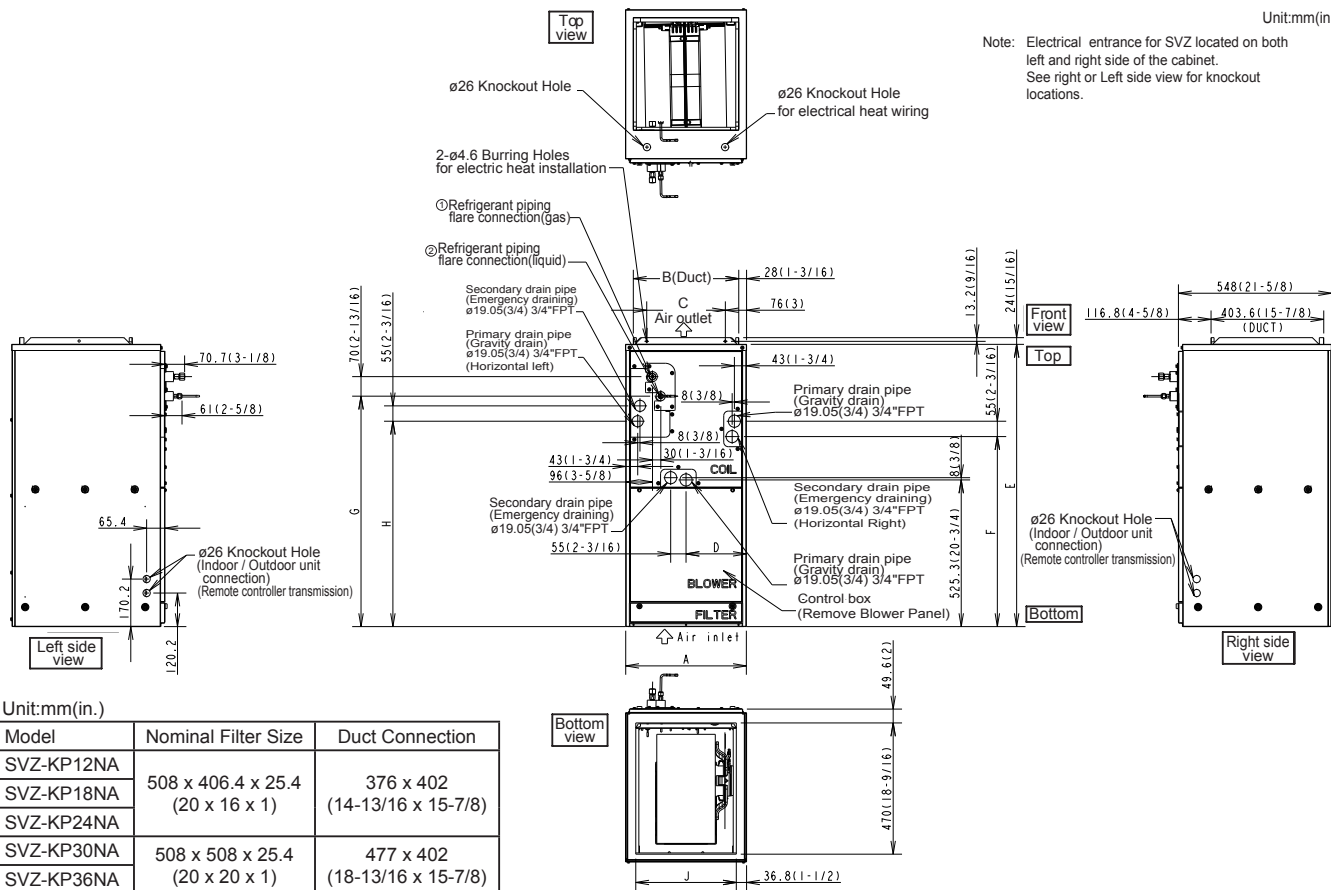
Wireless Signal Receiver	□ PAR-FA32MA-W
Wireless Signal Receiver	□ PAR-FL32MA-E
Wireless Remote Controller	□ PAR-FL32MA-E
kumo touch™ RedLINK™ Wireless Controller	□ MHK2
Portable Central Controller	□ MCCH1
Deluxe MA Remote Controller	□ PAR-40MAAU
Simple MA Controller	□ PAC-YT53CRAU-J
Touch MA Controller	□ PAR-CT01MAU-SB
Airzone ZBS Wired Blueface Principal Controller White	□ AZZBSBLUEFACECB
Airzone ZBS Wired Think Controller White	□ AZZBSTHINKCB
Airzone ZBS Wireless Think Controller White	□ AZZBSTHINKRB
Airzone ZBS Wired Lite Controller White	□ AZZBSLITECB
Airzone ZBS Wireless Lite Controller White	□ AZZBSLITERB
Wired Remote Sensor	□ PAC-SE41TS-E
Wireless Temperature and Humidity Sensor	□ PAC-USWHS003-TH-1
Outside Air Sensor for MHK1	□ MOS1
Flush Mount Remote Temperature Sensor	□ PAC-USSEN001-FM-1
Wireless Interface 2	□ PAC-USWHS002-WF-2
Thermostat Interface	□ PAC-US444CN-1
kumo station®	□ PAC-WHS01HC-E
USNAP Interface	□ PAC-WHS01UP-E
IT Extender	□ PAC-WHS01IE-E
BACnet® and MODBUS® Interface	□ PAC-UKPRC001-CN-1
External Fan / Heater Control Relay Adapter	□ CN24RELAY-KIT-CM3
Connector cable for remote display	□ PAC-SA88HA-EP
Remote Operation Adapter ¹	□ PAC-SF40RM-E
MegaBlue Advanced Blue Diamond Condensate Pump w/ Reservoir & Sensor	□ X87-835 - 110 to 250V
MaxiBlue Advanced Blue Diamond Mini Condensate Pump w/ Reservoir & Sensor (110V) up to 48,000 BTU/H[recommended]	□ X87-711 - 110V
Advanced Blue Diamond Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended]	□ X87-721 - 208/230V
Drain Pan Level Sensor	□ SS610E
(30A/600V/UL) [fits 2" X 4" utility box] - Black	□ TAZ-MS303
(30A/600V/UL) [fits 2" X 4" utility box] - White	□ TAZ-MS303W
Separate Power Terminal Block Kit	□ SPTB1
Electric Heat Lockout Control	□ ETC-211000-MIT
Downflow Kit	□ DFK-M
5kW Electric Heater	□ EH05-SVZ-M
8kW Electric Heater	□ EH08-SVZ-M
10kW Electric Heater	□ EH10-SVZ-M

¹ Unable to use with wireless remote controller

DIMENSIONS: SVZ-KP30NA

Unit:mm(in.)

Note: Electrical entrance for SVZ located on both left and right side of the cabinet.
See right or Left side view for knockout locations.



Unit:mm(in.)

Model	Nominal Filter Size	Duct Connection
SVZ-KP12NA	508 x 406.4 x 25.4 (20 x 16 x 1)	376 x 402 (14-13/16 x 15-7/8)
SVZ-KP18NA		
SVZ-KP24NA		
SVZ-KP30NA	508 x 508 x 25.4 (20 x 20 x 1)	477 x 402 (18-13/16 x 15-7/8)
SVZ-KP36NA		

Model	A	B	C	D	E	F	G	H	J	Gas Pipe	Liquid pipe
SVZ-KP12NA	432 (17)	376 (14-13/16)	281 (11-1/8)	224 (8-7/8)	1,010.8 (39-13/16)	680 (26-13/16)	823 (32-7/16)	735.5 (29)	360 (14-3/16)	\varnothing 9.52 (3/8)	\varnothing 6.35 (1/4)
SVZ-KP18NA										\varnothing 12.7 (1/2)	
SVZ-KP24NA											
SVZ-KP30NA	534 (21)	477 (18-13/16)	382.6 (15-1/8)	266.5 (10-1/2)	1,113.8 (43-7/8)	737 (29-1/16)	953.5 (37-9/16)	792 (31-3/16)	461 (18-3/16)	\varnothing 15.88 (5/8)	\varnothing 9.52 (3/8)
SVZ-KP36NA											

