

**NAYWST36B112AA & NAYSST36B112AA**  
**36,000 BTU/H WALL-MOUNTED INDOOR UNIT**  
**36,000 BTU/H COOLING ONLY OUTDOOR UNIT**

*American Standard*  
HEATING & AIR CONDITIONING



Job Name:

System Reference:

Date:



Indoor Unit.....NAYWST36B112AA

Outdoor Unit.....NAYSST36B112AA

#### INDOOR UNIT FEATURES

- Dual Barrier Coating
- Slim wall-mounted indoor units provide zone comfort control
- The outdoor unit powers the indoor unit, and should a power outage occur, the system is automatically restarted when power returns
- Multiple fan speed options: Low, Medium, High, Super High
- Multiple control options available:
  - Hand-held Remote Controller (provided with unit)
  - kumo cloud® smart device app for remote access
  - Third-party interface options
  - Wired or wireless controllers
- Hot-Start Technology: no cold air rush at equipment startup or when restarting after defrost cycle
- Powerful Operation: quickly cools or heats the room by automatically adjusting fan speed and set temperature for 15 minutes
- Smart Set: recalls a preferred preset temperature setting at the touch of a button
- Wide Vane mode provides 150° of airflow

\*Auto and Powerful modes available in addition to the four fan speeds

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# SPECIFICATIONS: NAYWST36B112AA & NAYSST36B112AA

|                                          |                                                            |                     |                                               |
|------------------------------------------|------------------------------------------------------------|---------------------|-----------------------------------------------|
| Cooling at 95°F <sup>1</sup>             | Maximum Capacity                                           | BTU/H               | 33,200                                        |
|                                          | Rated Capacity                                             | BTU/H               | 33,200                                        |
|                                          | Minimum Capacity                                           | BTU/H               | 10,300                                        |
|                                          | Maximum Power Input                                        | W                   | 3,770                                         |
|                                          | Rated Power Input                                          | W                   | 3,770                                         |
|                                          | Moisture Removal                                           | Pints/h             | 9.3                                           |
|                                          | Sensible Heat Factor                                       |                     | 0.69                                          |
|                                          | Power Factor [208V / 230V]                                 | %                   | 98.0 / 99.0                                   |
| Efficiency                               | SEER   SEER2                                               |                     | 16.2   18.5                                   |
|                                          | EER <sup>1</sup>   EER2 <sup>1</sup>                       |                     | 8.8   8.8                                     |
|                                          | ENERGY STAR® Certified                                     |                     | No                                            |
| Electrical                               | Voltage, Phase, Frequency                                  |                     | 208/230, 1, 60                                |
|                                          | Guaranteed Voltage Range                                   | V AC                | 187 - 253                                     |
|                                          | Voltage: Indoor - Outdoor, S1-S2                           | V AC                | 208/230                                       |
|                                          | Voltage: Indoor - Outdoor, S2-S3                           | V DC                | 24                                            |
|                                          | Short-circuit Current Rating [SCCR]                        | kA                  | 5                                             |
|                                          | Recommended Fuse/Breaker Size (Outdoor)                    | A                   | 20                                            |
|                                          | Recommended Wire Size [Indoor - Outdoor]                   | AWG                 | 14                                            |
|                                          | Power Supply                                               |                     | Indoor unit is powered by the outdoor unit    |
| Indoor Unit                              | MCA                                                        | A                   | 1.0                                           |
|                                          | Fan Motor Full Load Amperage                               | A                   | 0.76                                          |
|                                          | Fan Motor Type                                             |                     | DC Motor                                      |
|                                          | Airflow Rate at Cooling, Dry                               | CFM                 | 374–602–699–915                               |
|                                          | Airflow Rate at Cooling, Wet                               | CFM                 | 374–602–699–915                               |
|                                          | Sound Pressure Level [Cooling]                             | dB[A]               | 32–42–49–53                                   |
|                                          | Drain Pipe Size                                            | In. [mm]            | 5/8 [15.88]                                   |
|                                          | Coating on Heat Exchanger                                  |                     | Dual Barrier Coating                          |
|                                          | External Finish Color                                      |                     | Munsell 1.0Y 9.2/0.2 White                    |
|                                          | Unit Dimensions                                            | W x D x H: In. [mm] | 46-1/16 x 11-5/8 x 14-3/8 [1,170 x 295 x 365] |
|                                          | Package Dimensions                                         | W x D x H: In. [mm] | 51 x 18-1/2 x 14-1/4 [1,300 x 470 x 360]      |
| Indoor Unit Operating Temperature Range  | Cooling Intake Air Temp [Maximum / Minimum]*               | °F                  | 90 DB, 73 WB / 67 DB, 57 WB                   |
|                                          |                                                            |                     |                                               |
| Outdoor Unit                             | MCA                                                        | A                   | 19.0                                          |
|                                          | MOCP                                                       | A                   | 20                                            |
|                                          | Fan Motor Full Load Amperage                               | A                   | 0.93                                          |
|                                          | Fan Motor Output                                           | W                   | 50                                            |
|                                          | Airflow Rate [Cooling / Heating]                           | CFM                 | 2191                                          |
|                                          | Refrigerant Control                                        |                     | LEV                                           |
|                                          | Coating on Heat Exchanger                                  |                     | Blue Fin Coating                              |
|                                          | Sound Pressure Level, Cooling <sup>1</sup>                 | dB(A)               | 56                                            |
|                                          | Compressor Type                                            |                     | Twin Rotary                                   |
|                                          | Compressor Model                                           |                     | SNB220FQAM1T                                  |
|                                          | Compressor Rated Load Amps                                 | A                   | 13.8                                          |
|                                          | Compressor Locked Rotor Amps                               | A                   | 17.3                                          |
|                                          | External Finish Color                                      |                     | Munsell 3Y 7.8/1/1                            |
|                                          | Base Pan Heater                                            |                     | N/A                                           |
|                                          | Unit Dimensions                                            | W x D x H: In. [mm] | 33-1/16 x 13 x 34-5/8 [840 x 330 x 880]       |
|                                          | Package Dimensions                                         | W x D x H: In. [mm] | 38-3/4 x 16-3/4 x 39 [980 x 420 x 990]        |
|                                          | Unit Weight                                                | Lbs. [kg]           | 121 [55.0]                                    |
|                                          | Package Weight                                             | Lbs. [kg]           | 138 [62.5]                                    |
| Outdoor Unit Operating Temperature Range | Cooling Air Temp [Maximum / Minimum]*                      | °F                  | 115 DB / 14 DB                                |
|                                          | Cooling Thermal Lock-out / Re-start Temperatures**         | °F                  | 4 / 0                                         |
| Refrigerant                              | Type                                                       |                     | R410A                                         |
|                                          | Maximum Charge Quantity                                    | Lbs, oz             | 4.0, 16.0                                     |
|                                          | Initial Charge Quantity                                    | Ft. [m]             | 25.0 [7.5]                                    |
|                                          | Additional Refrigerant Charge Per Additional Piping Length | oz./Ft. [g/m]       | .216 [20]                                     |
| Piping                                   | Gas Pipe Size O.D. [Flared]                                | In.[mm]             | 5/8 [15.88]                                   |
|                                          | Liquid Pipe Size O.D. [Flared]                             | In.[mm]             | 1/4 [6.35]                                    |
|                                          | Maximum Piping Length                                      | Ft. [m]             | 100 [30]                                      |
|                                          | Maximum Height Difference                                  | Ft. [m]             | 50 [15]                                       |
|                                          | Maximum Number of Bends                                    |                     | 10                                            |

## NOTES:

AHRI Rated Conditions

(Rated data is determined at a fixed compressor speed)

<sup>1</sup>Cooling (Indoor // Outdoor)

<sup>2</sup>Heating at 47°F (Indoor // Outdoor)

<sup>3</sup>Heating at 17°F (Indoor // Outdoor)

°F 80 DB, 67 WB // 95 DB, 75 WB

°F 70 DB, 60 WB // 47 DB, 43 WB

°F 70 DB, 60 WB // 17 DB, 15 WB

\*Indoor/Outdoor Unit Operating Temperature Range (Cooling Air Temp [Maximum / Minimum]):

• Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions.

\*\*Outdoor Unit Operating Temperature Range (Cooling Thermal Lock-out / Re-start Temperatures):

• System cuts out in heating mode to avoid thermistor error and automatically restarts at these temperatures.

## INDOOR UNIT ACCESSORIES: NAYWST36B112AA

|                            |                                                                                             |                   |
|----------------------------|---------------------------------------------------------------------------------------------|-------------------|
| Control Interface          | BACnet® and Modbus® Interface                                                               | PAC-UKPRC001-CN-1 |
|                            | IT Extender                                                                                 | PAC-WHS01IE-E     |
|                            | kumo station® for kumo cloud®                                                               | TAC-WHS01HC-E     |
|                            | System Control Interface                                                                    | MAC-334IF-E       |
|                            | Thermostat Interface                                                                        | PAC-US445CN-1     |
|                            | USNAP Adapter                                                                               | PAC-WHS01UP-E     |
|                            | Wireless Interface for kumo cloud®                                                          | PAC-USWHS002-WF-2 |
| Remote Sensor              | Wired Remote Sensor                                                                         | M21EAA307         |
|                            | Wireless temperature and humidity sensor for kumo cloud®                                    | PAC-USWHS003-TH-1 |
| Wired Remote Controller    | Deluxe Wired MA Remote Controller†                                                          | AAR-40MAAU        |
|                            | Simple MA Remote Controller†                                                                | PAC-YT53CRAU-J    |
|                            | Touch MA Controller†                                                                        | PAR-CT01MAU-SB    |
| Wireless Remote Controller | kumo touch™ RedLINK™ Wireless Controller                                                    | MHK2              |
|                            | Lockdown bracket for remote controller                                                      | RCMKP1CB          |
| Condensate                 | Blue Diamond (Advanced) Mini Condensate Pump w/ Reservoir & Sensor (208/230V) [recommended] | X87-721           |
|                            | Blue Diamond (MegaBlue Advanced) Condensate Pump w/ Reservoir & Sensor                      | X87-835           |
|                            | Blue Diamond Alarm Extension Cable — 6.5 Ft.                                                | C13-192           |
|                            | Blue Diamond MultiTank — collection tank for use with multiple pumps                        | C21-014           |
|                            | Blue Diamond Sensor Extension Cable — 15 Ft.                                                | C13-103           |
|                            | Drain Pan Level Sensor/Control                                                              | SS610E            |
|                            | Refco Condensate Pump (100-240 VAC)                                                         | GOBI-II           |
|                            | Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H                                     | COMBI             |
|                            | Sauermann Condensate Pump                                                                   | SI30-230          |
| Disconnect Switch          | (30A/600V/UL) [fits 2" X 4" utility box] - Black                                            | TAZ-MS303         |
|                            | (30A/600V/UL) [fits 2" X 4" utility box] - White                                            | TAZ-MS303W        |
| Lineset                    | 100' x 1/4" x 100' x 5/8" Lineset (Twin-Tube Insulation)                                    | MLS145812T-100    |
|                            | 15' x 1/4" x 15' x 5/8" Lineset (Twin-Tube Insulation)                                      | MLS145812T-15     |
|                            | 30' x 1/4" x 30' x 5/8" Lineset (Twin-Tube Insulation)                                      | MLS145812T-30     |
|                            | 50' x 1/4" x 50' x 5/8" Lineset (Twin-Tube Insulation)                                      | MLS145812T-50     |
|                            | 65' x 1/4" x 65' x 5/8" Lineset (Twin-Tube Insulation)                                      | MLS145812T-65     |

### NOTES:

†Requires MAC-334IF-E

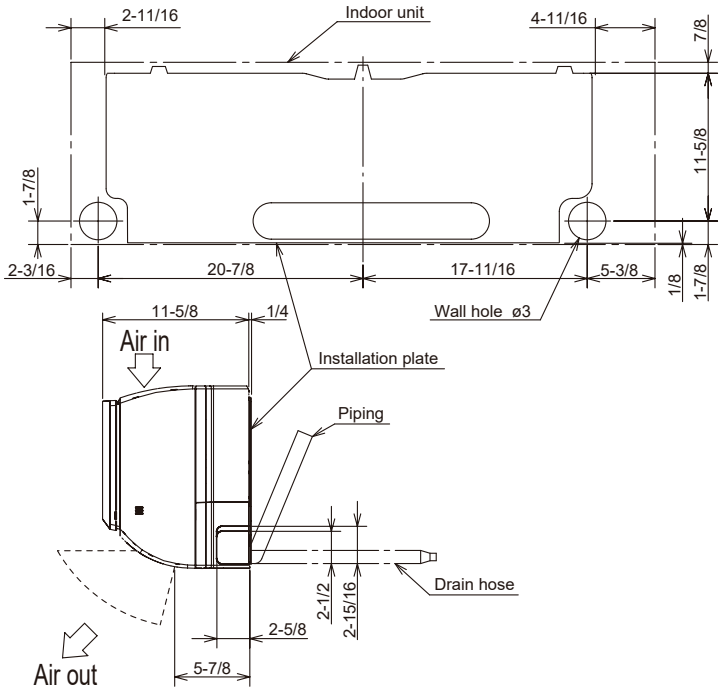
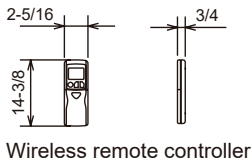
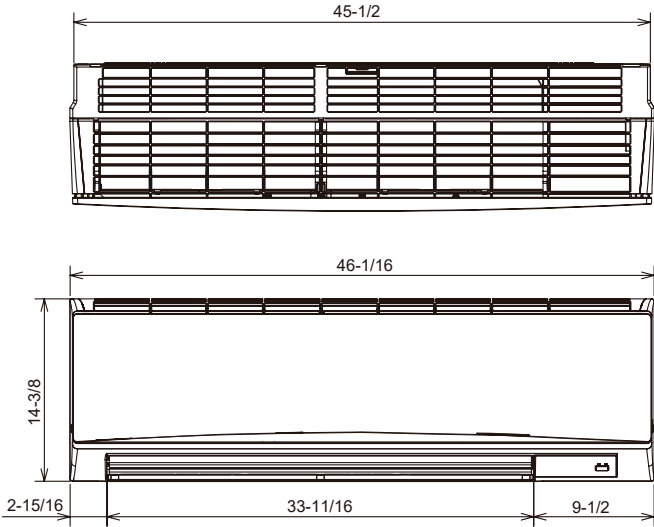
- Nv-Series EZ FIT® Recessed Ceiling Cassette, Floor-mount and Wall-mount  
Allows indoor units to connect to an MA Controller:  
Deluxe MA Remote Controller  
Simple MA Controller  
Touch MA Controller

## OUTDOOR UNIT ACCESSORIES: NAYSST36B112AA

|                      |                                                                |             |
|----------------------|----------------------------------------------------------------|-------------|
| Air Outlet Guide     | Air Outlet Guide                                               | MAC-890SG-E |
| Condensate           | Refco Condensate Pump (100-240 VAC) up to 120,000 BTU/H        | COMBI       |
| Control/Service Tool | M- & P-Series Maintenance Tool Cable Set                       | M21EC0397   |
|                      | USB/UART Conversion Cable (Required for all laptop connection) | M21EC1397   |
| Drain Socket         | Drain Socket                                                   | MAC-871DS   |
| Hail Guards          | Hail Guard                                                     | HG-A7       |
| Mini-Split Wire      | 14 Gauge, 4 wire MiniSplit Cable—250 ft. roll                  | SW144-250   |
|                      | 14 Gauge, 4 wire MiniSplit Cable—50 ft. roll                   | SW144-50    |
|                      | 16 Gauge, 4 wire MiniSplit Cable—250 ft. roll                  | SW164-250   |
|                      | 16 Gauge, 4 wire MiniSplit Cable—50 ft. roll                   | SW164-50    |
| Mounting Pad         | Condensing Unit Mounting Pad: 16" x 36" x 3"                   | ULTRILITE1  |
|                      | Outdoor Unit 3-1/4 inch Mounting Base (Pair) - Plastic         | DSD-400P    |
| Stand                | 18" Single Fan Stand                                           | QSMS1801M   |
|                      | 24" Single Fan Stand                                           | QSMS2401M   |
|                      | Condenser Wall Bracket                                         | QSWB2000M-1 |
|                      | Condenser Wall Bracket - Stainless Steel Finish                | QSWBSS      |
|                      | Outdoor Unit Stand — 12" High                                  | QSMS1201M   |

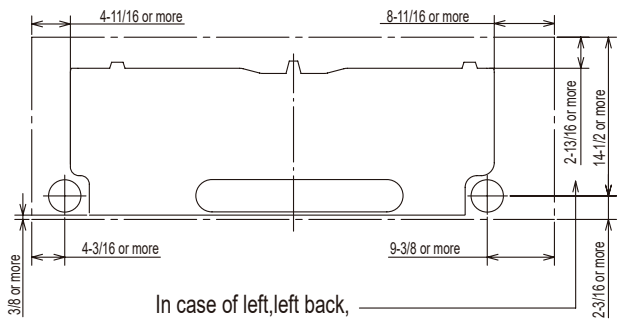
**INDOOR UNIT DIMENSIONS: NAYWST36B112AA**

Unit : inch



|             | PIPING                                        | INSULATION                |
|-------------|-----------------------------------------------|---------------------------|
| LIQUID LINE | φ3/8 - 19-11/16<br>(FLARED CONNECTION φ1/4)   | φ1-1/4 O.D<br>φ9/16 I.D   |
| GAS LINE    | φ15/32 - 17-13/16<br>(FLARED CONNECTION φ5/8) | φ1-7/16 O.D<br>φ13/16 I.D |
| DRAIN HOSE  | INSULATION φ1-1/8 CONNECTED PART φ5/8 O.D     |                           |

### Required Space (Indoor Unit)



In case of left, left back, \_\_\_\_\_  
or left under piping (using spacer) 5-1/8 or more

OUTDOOR UNIT DIMENSIONS: NAYSST36B112AA

Unit: inch

REQUIRED SPACE

