



## SUBMITTAL DATA

CAS12HP230V1BC / 3VIR12HP230V1BO  
12000 BTU/H Cassette Heat Pump System

Job Name

Location

Date

Purchaser

Engineer

Submitted to

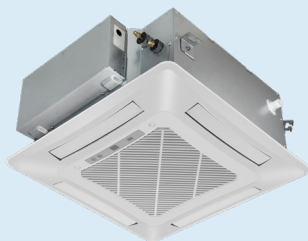
For

Unit Designation

Schedule No.



YAP1FB2F



CAS12HP230V1BC



3VIR12HP230V1BO



XE72

## GENERAL FEATURES

- AHRI Certificate: [211726653](#)
- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- 4 - Way Discharge Air
- Internal Condensate Drain Pump
- Wireless Remote with LCD Display Included
- XE72 Wi-Fi Wired Controller Included
- Low Ambient Cooling down to -20°F (Range -20°F to 122°F)
- Low Ambient Heating down to -22°F (Range -22°F to 86°F)
- (Indoor and Outdoor) Copper Tube / Aluminum Fin
- Blue Colored Fin - 500 Hrs Salt Spray Tested

SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

| SPECIFICATIONS                               |                | CAS12HP230V1BC / 3VIR12HP230V1BO                    |                             |
|----------------------------------------------|----------------|-----------------------------------------------------|-----------------------------|
| System Type                                  |                | HEAT PUMP                                           |                             |
| SYSTEM PERFORMANCE                           |                |                                                     |                             |
| Cooling                                      | Min - Max      | Btu/h                                               | 900 - 14100                 |
|                                              | Capacity @95°F | Btu/h                                               | 12000                       |
| Heating                                      | Min - Max      | Btu/h                                               | 900 - 15500                 |
|                                              | Capacity @5°F  | Btu/h                                               |                             |
|                                              | Capacity @17°F | Btu/h                                               |                             |
|                                              | Capacity @47°F | W                                                   | 12000                       |
| SEER2                                        |                | 24.0                                                |                             |
| EER2                                         |                | 12.5                                                |                             |
| HSPF2                                        |                | 8.5                                                 |                             |
| COP @5°F                                     |                |                                                     |                             |
| COP @47°F                                    |                | 4.0                                                 |                             |
| Cooling Temperature Range                    |                | °F                                                  | -20 - 122                   |
| Heating Temperature Range                    |                | °F                                                  | -22 - 86                    |
| Refrigerant Type                             |                | R410A                                               |                             |
| INDOOR UNIT                                  |                | CAS12HP230V1BC                                      |                             |
| Air flow (Min-Max)                           |                | CFM                                                 | 265 - 383                   |
| Sound Pressure Level (Min - Max)             |                | dB(A)                                               | 34 - 44                     |
| Dehumidification                             |                | pt/hr                                               | 3.0                         |
| External Dimensions (W x H x D)              |                | in                                                  | 23-1/2 x 9-1/2 x 23-1/2     |
| Package Dimension (W x H x D)                |                | in                                                  | 30-1/2 x 11-1/4 x 29        |
| Net Weight                                   |                | lbs                                                 | 55.0                        |
| Gross Weight                                 |                | lbs                                                 | 66.2                        |
| CASSETTE GRILLE                              |                | CASGRILLEBSM                                        |                             |
| Grille Dimension (W x H x D)                 |                | in                                                  | 26-3/8 x 2 x 26-3/8         |
| Package Dimension (W x H x D)                |                | in                                                  | 30 x 3-1/2 x 30             |
| Weight (Net/Gross)                           |                | lbs                                                 | 7.7/11.0                    |
| OUTDOOR UNIT                                 |                | 3VIR12HP230V1BO                                     |                             |
| Compressor Type                              |                | GREE G-10 / 2 - STAGE INVERTER                      |                             |
| Sound Pressure Level                         |                | dB(A)                                               | 52                          |
| External Dimensions (W x H x D)              |                | in                                                  | 31-5/8 x 21-7/8 x 13-13/16  |
| Package Dimension (W x H x D)                |                | in                                                  | 34-3/8 x 24-7/16 x 15-11/16 |
| Net Weight                                   |                | lbs                                                 | 70.6                        |
| Gross Weight                                 |                | lbs                                                 | 76.1                        |
| REFRIGERANT PIPING                           |                |                                                     |                             |
| Refrigerant Charge - R410A                   |                | oz                                                  | 42.3                        |
| Additional Charge                            |                | oz/ft                                               | 0.2                         |
| Line Set Sized by Indoor Unit (Liquid - Gas) |                | in                                                  | 1/4 - 3/8                   |
| Outdoor Service Valve Size (Liquid - Gas)    |                | in                                                  | 1/4 - 1/2                   |
| Pre-Charge Length                            |                | ft                                                  | 25                          |
| Pipe Length (Min - Max)                      |                | ft                                                  | 10 - 66                     |
| Max. Pipe Elevation                          |                | ft                                                  | 33                          |
| ELECTRICAL                                   |                |                                                     |                             |
| Power Supply                                 |                | 208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit) |                             |
| Voltage Range (Min - Max)                    |                | VAC                                                 | 187 - 253                   |
| Rated Current - Cooling                      |                | A                                                   | 6.3                         |
| Rated Current - Heating                      |                | A                                                   | 6.7                         |
| MCA                                          |                | A                                                   | 10                          |
| MOCP                                         |                | A                                                   | 15                          |
| Suggested Breaker Size                       |                | A                                                   | 10                          |
| Main Power Wire Size                         |                | AWG                                                 | Per Local Code              |
| Interconnecting Wire Size                    |                | AWG                                                 | 14 / 4                      |

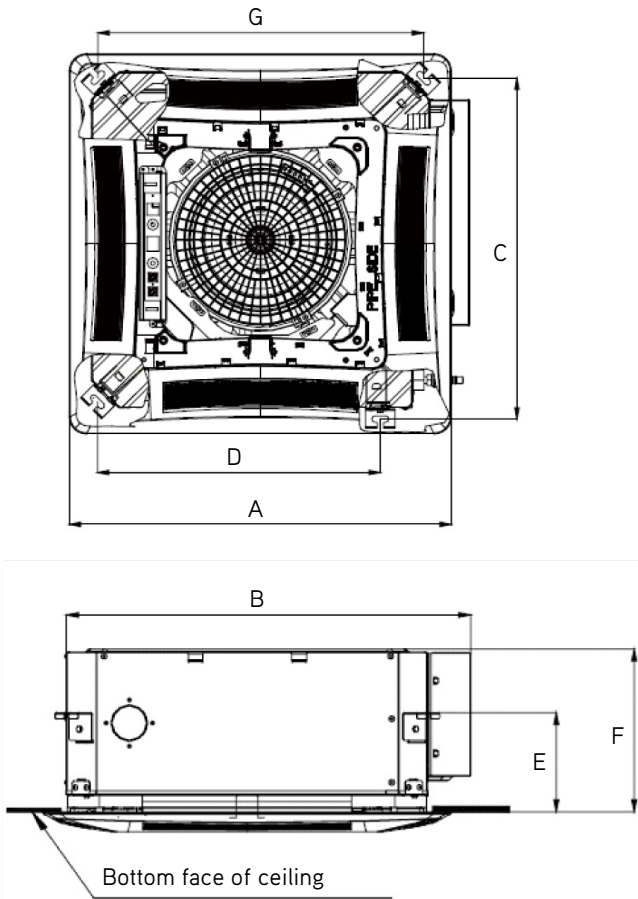
| FEATURES & FUNCTIONS SUMMARY            | CAS12HP230V1BC / 3VIR12HP230V1BO |
|-----------------------------------------|----------------------------------|
| SYSTEM FEATURES                         |                                  |
| Inverter Type                           | G10                              |
| Ultra Low Frequency Torque Control      | Yes                              |
| Power Factor Correction                 | Yes                              |
| Compressor Type - Inverter              | High Efficiency Rotary           |
| Basepan With Electric Heater            | Yes                              |
| Indoor & Outdoor Fin Coating (Blue Fin) | Yes                              |
| Intelligent Defrosting                  | Yes                              |
| Intelligent Preheating                  | Yes                              |
| Low Voltage Startup                     | Yes                              |
| Memory/Power Failure Recovery           | Yes                              |
| Self Diagnosis                          | Yes                              |
| Wired Controller Interface              | Yes                              |
| WiFi Included                           | No                               |
| Indoor Fan Type                         | Centrifugal                      |
| Multi Fan Speeds                        | 4 Speeds                         |
| Indoor Unit Display                     | Yes                              |
| Auxiliary Electrical Heater             | No                               |
| Ventilation (Outdoor Air)               | No                               |
| REMOTE CONTROLLER FUNCTIONS             |                                  |
| Auto Mode                               | Yes                              |
| Auto Fan                                | Yes                              |
| Auto Swing (Horizontal Auto Swing)      | No                               |
| Auto Swing (Vertical Auto Swing)        | Yes                              |
| Clock                                   | Yes                              |
| Dry Mode                                | Yes                              |
| Dry Anti-Mildew (X-Fan) Mode            | Yes                              |
| Energy Saving Mode                      | Yes                              |
| Dirty Filter Alert                      | No                               |
| Fan Speed Control (7 Speeds)            | Yes                              |
| I Feel Function                         | Yes                              |
| Privacy Lock                            | Yes                              |
| Quiet Mode                              | No                               |
| Room Temperature Display                | No                               |
| Sleep Mode                              | Yes                              |
| Normal Sleep Mode Options               | Yes                              |
| Timer Mode                              | Yes                              |
| Turbo Mode                              | Yes                              |
| Display On/Off Control                  | Yes                              |
| Freeze Guard Mode                       | Yes                              |
| Power Failure Mode                      | Yes                              |

DIMENSIONS

INDOOR UNIT

Unit: inch

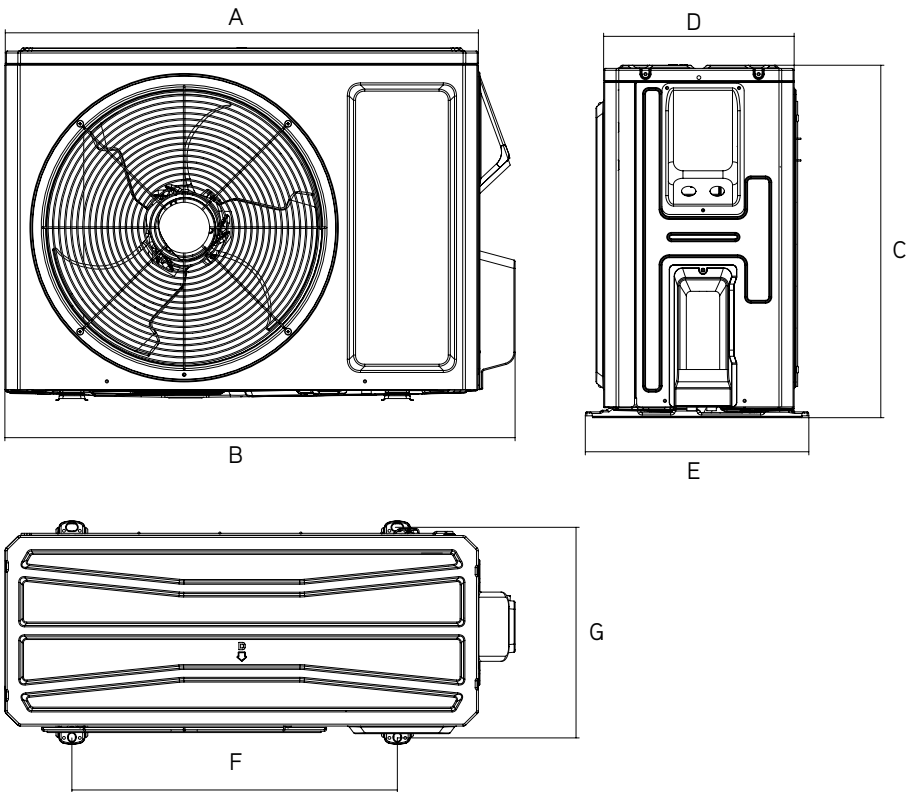
| CAS12HP230V1BC |         |
|----------------|---------|
| DIMENSIONS     |         |
| A              | 26-3/8  |
| B              | 26-3/8  |
| C              | 23-5/8  |
| D              | 19-1/2  |
| E              | 5-11/16 |
| F              | 9-1/2   |
| G              | 23-1/2  |



OUTDOOR UNIT

Unit: inch

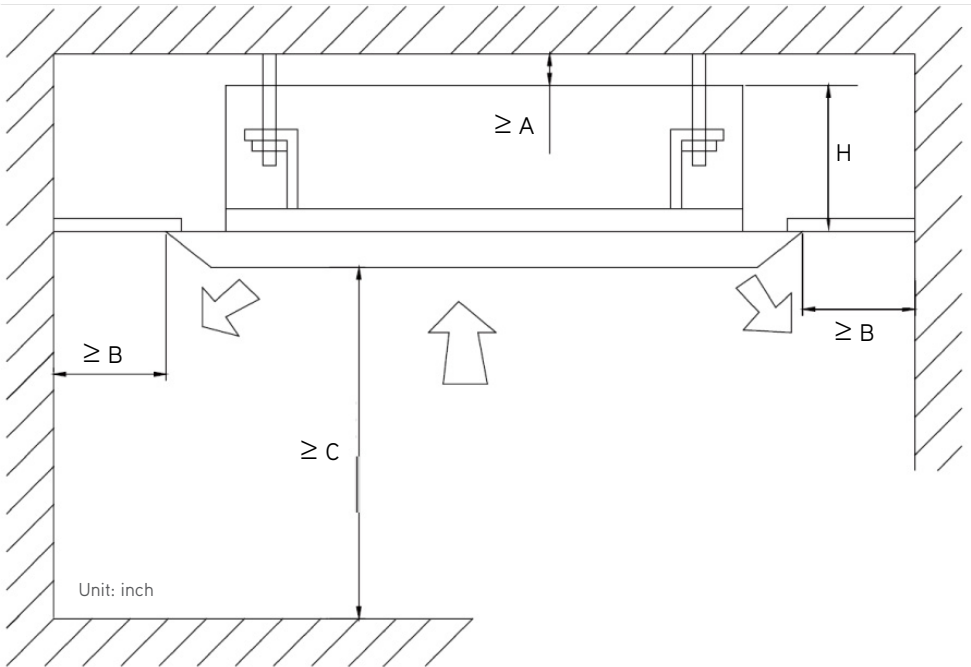
| 3VIR12HP230V1B0 |          |
|-----------------|----------|
| DIMENSIONS      |          |
| A               | 29-21/64 |
| B               | 31-37/64 |
| C               | 21-27/32 |
| D               | 11-13/16 |
| E               | 13-25/32 |
| F               | 20-5/32  |
| G               | 13-5/64  |



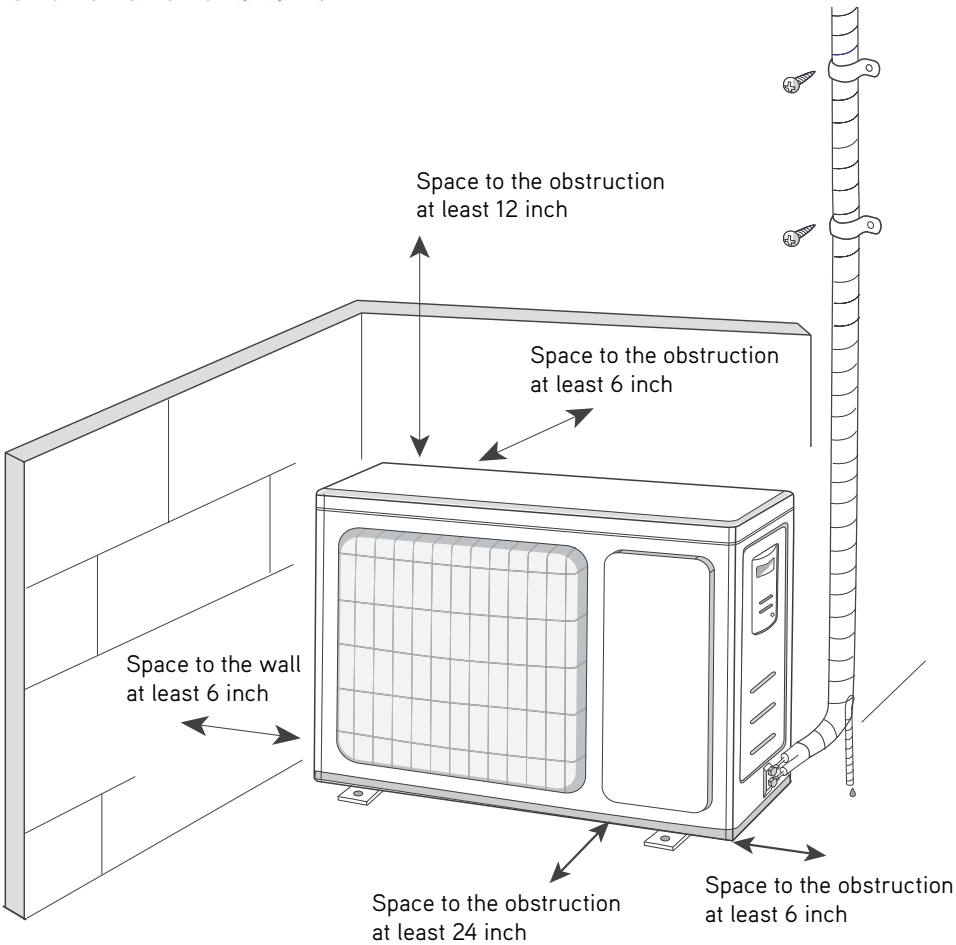
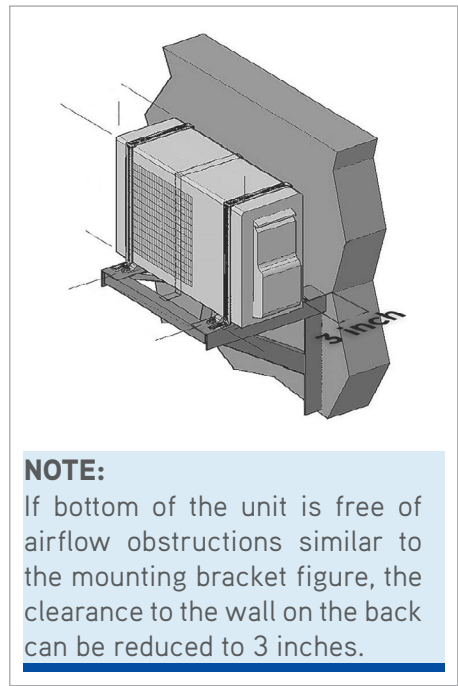
CLEARANCES

INDOOR UNIT  
Minimum clearance

| CLEARANCES |     |
|------------|-----|
| A          | 7/8 |
| B          | 60  |
| C          | 98  |
| H          | 10  |



OUTDOOR UNIT  
Minimum clearance



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