## GENERAL FEATURES
- Compact and Quiet Design
- High Efficiency DC Inverter Technology
- Vertical Swing Louver
- Wireless Remote with LCD Display
- XK-41 Wired Tether Controller (Sold Separately)
- Low Ambient Cool to 0 deg F
- Blue Fin Condenser Coil
- 5 year Limited Parts Warranty
- 7 year Limited Compressor Warranty

## System Ratings

### Cooling
- **Rated Capacity**: 18,000 BTU/H
- **Capacity Range**: 6,800-20,000 BTU/H
- **Power Input (Max)**: 2,600 W
- **SEER**: 20.0
- **EER**: 12.5

### Heating at 47° F
- **Rated Capacity**: 19,800 BTU/H
- **Capacity Range**: 7,340-23,500 BTU/H
- **Power Input (Max)**: 2,600 W
- **HSPF**: 11.0
- **COP**: 4.7

### Heating at 17° F
- **Rated Capacity**: 12,400 BTU/H

### Operating Range
- **Cooling (Max)**: 115°F (46 C)
- **Cooling (Min)**: 0°F (-18 C)
- **Heating (Max)**: 75°F (24 C)
- **Heating (Min)**: -4°F (-20 C)

## Refrigerant Piping Data
- **Gas Pipe Size (OD)**: 5/8-in
- **Liquid Pipe Size (OD)**: 1/4-in
- **Connection Method**: Flared
- **Factory Charge**: 56.4 oz
- **Additional Charge**: 0.54 oz
- **Pre-Charge Length**: 25-ft
- **MAX Refrigerant Pipe Length**: 82-ft
- **MIN Refrigerant Pipe Length**: 10-ft
- **MAX Refrigerant Pipe Elevation**: 33-ft

## Indoor Unit Data
- **Fan Motor**: Cross-Flow
- **Type**: Output Power 60 W, FLA 0.24 A

### Airflow
- **Cooling Wet (Lo/Hi)**: 335/559 CFM
- **Heating Dry (Lo/Hi)**: 335/559 CFM

### Sound Pressure Level
- **Cooling (Min/Max)**: 39/47 db(A)
- **Heating (Min/Max)**: 39/47 db(A)

### Dehumidification
- **3.80 pt/hr**

## Outdoor Unit Data
- **Compressor**: Type DC Inverter Driven Rotary
- **RLA**: 12.1 A

### Refrigerant Type
- **R410A**

### Fan Motor
- **Output Power**: 60 W, FLA 0.49 A

### Sound Pressure
- **Cooling/Heating**: 55/55 db(A)

## Electrical Data
- **Normal Operational Voltage**: 208/230 V, 1 Phase, 60 Hz
- **Voltage Range**: 187 - 253 V
- **MCA**: 16.0 A
- **MOCB/Breaker Size**: 25 A
- **Main Power Wire Size**: 10-2 AWG

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### EXTENDED RATINGS

#### COOLING PERFORMANCE (BtuH)*

<table>
<thead>
<tr>
<th>Outdoor Ambient DB</th>
<th>Indoor Ambient Temperature</th>
<th>68F DB (20C)</th>
<th>73F DB (23C)</th>
<th>80F DB (27C)</th>
<th>82F DB (28C)</th>
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<td>TC</td>
<td>SHC</td>
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### HEATING PERFORMANCE (BtuH)*

<table>
<thead>
<tr>
<th>Outdoor Ambient DB</th>
<th>Indoor Ambient Temperature</th>
<th>68F DB (20C)</th>
<th>73F DB (23C)</th>
<th>80F DB (27C)</th>
<th>86F DB (30C)</th>
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</table>

* Maximum system capacity

TC- Total Capacity (BtuH)
SHC- Sensible Capacity (BtuH)
MINIMUM SPACING REQUIREMENTS

**INDOOR**

- From Ceiling: 6 (152)
- From Wall: 6 (152)
- From Floor: 60 (1520)

**OUTDOOR**

- From Any Structure: 20 (508)
- Discharge: 78 (1980)
- Inlet: 12 (305)

Units: inch (mm)
INDOOR UNIT DIMENSIONS

Model No: VIR18HP230V1AH

Units: inch

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>A</th>
<th>B</th>
<th>C</th>
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</thead>
<tbody>
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<td>38.2</td>
<td>11.8</td>
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</table>

Weight (Net/Gross) 28.7/35.3 lbs

Liquid Line Valve 1/4-in OD Flared
Gas Line Valve 5/8-in OD Flared
Drain Connector 5/8-in OD

OUTDOOR UNIT DIMENSIONS

Model No: VIR18HP230V1AO

Units: inch

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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Weight (Net/Gross) 115.0/125.0 lbs

Liquid Line Valve 1/4-in OD Flared
Gas Line Valve 5/8-in OD Flared

Notes:
1. Recommended Interconnecting Cable Type 14 AWG-4 Stranded Copper Conductors THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes.
3. Test conditions are based on AHRI 210/240.