



# Mini-Split Air Conditioning and Heating

## 115V & 208~230V Single Zone Inverter Technology

**9,000, 12,000, 18,000 & 24,000 BTU**

**High Efficiency — Up to 25 SEER**



### Select Features

- Energy Savings / Eco-Friendly
- Quiet Operation
- 24H Timer
- Super / Turbo Mode
- Auto / Smart Temp Mode
- Sleep Mode
- Display On/Off
- 2 or 4-Direction Airflow
- Fast / Turbo Cooling Mode
- Louver Position Memory
- Anti-Cold Wind
- Auto-Restart
- Self-Troubleshooting
- Celsius and Fahrenheit Display
- Independent Dehumidification
- Intelligent Defrost
- Refrigerant Leakage Detector
- Low Temperature Cooling (-15°C / 5°F)
- Low Temperature Heating (-20°C / -4°F)
- Follow Me / I Feel (Remote Thermostat)
- Emergency Button
- (8°C / 46°F) Anti-Frozen Pipe Heating



**Warranty:** 5 Years on Compressor / 1 Year on Parts

### Room Size and Dial® Mini-Split Selection Guide

| Room Size                | Mini-Split Capacity | Dial® Model Option   |
|--------------------------|---------------------|--|
| 350 to 450 square feet   | 9,000 BTU           | 9000-19S-115 / 9000-16S-230                                    |
| 450 to 550 square feet   | 12,000 BTU          | 12000-17S-115 / 12000-25S-115<br>12000-20S-230 / 12000-25S-230 |
| 700 to 1,000 square feet | 18,000 BTU          | 18000-17S-230 / 18000-23S-230                                  |
| Up to 1,500 square feet  | 24,000 BTU          | 24000-20S-230  |



# Mini-Split Air Conditioning and Heating Product Specifications

| Dial Part Number         | 80050                                   | 80100                         | 80150                         | 80200                         | 80250                         | 80300                         | 80350                         | 80400                         | 80450                         |                            |
|--------------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------------------|
| UPC                      | 02652980050 1                           | 02652980100 3                 | 02652980150 8                 | 02652980200 0                 | 02652980250 5                 | 02652980300 7                 | 02652980350 2                 | 02652980400 4                 | 02652980450 9                 |                            |
| Dial Model               | 9000-19S-115                            | 9000-16S-230                  | 12000-17S-115                 | 12000-25S-115                 | 12000-20S-230                 | 12000-25S-230                 | 18000-17S-230                 | 18000-23S-230                 | 24000-20S-230                 |                            |
| System                   | Air Conditioning Type                   | Ductless Mini-Split Heat Pump | Ductless Mini-Split Heat Pump | Ductless Mini-Split Heat Pump | Ductless Mini-Split Heat Pump | Ductless Mini-Split Heat Pump | Ductless Mini-Split Heat Pump | Ductless Mini-Split Heat Pump | Ductless Mini-Split Heat Pump |                            |
|                          | Application Room Size (sqft)            | 350 to 400                    | 350 to 400                    | 450 to 550                    | 450 to 550                    | 450 to 550                    | 450 to 550                    | 700 to 1,000                  | 700 to 1,000                  | Up to 1,500                |
|                          | Electrical Voltage, Frequency, Phase    | 115V~60Hz, 1P                 | 208-230V~60Hz, 1P             | 115V~60Hz, 1P                 | 115V~60Hz, 1P                 | 208-230V~60Hz, 1P             | 208-230V~60Hz, 1P             | 208-230V~60Hz, 1P             | 208-230V~60Hz, 1P             | 208-230V~60Hz, 1P          |
|                          | Compressor Motor Technology             | Inverter                      | Inverter                      | Inverter                      | Inverter                      | Inverter                      | Inverter                      | Inverter                      | Inverter                      | Inverter                   |
|                          | Refrigerant (pre-charge oz)             | R410A<br>28.57oz              | R410A<br>29.28oz              | R410A<br>35.27oz              | R410A<br>40.56                | R410A<br>40.92                | R410A<br>40.56                | R410A<br>49.38                | R410A<br>54.67                | R410A<br>66.32             |
|                          | Max Pre-Charged Line-Set (ft)           | 24.6                          | 24.6                          | 24.6                          | 24.6                          | 24.6                          | 24.6                          | 24.6                          | 24.6                          | 24.6                       |
|                          | Max Line-Set Length <sup>(1)</sup> (ft) | 65.4                          | 65.4                          | 65.4                          | 50.0                          | 65.4                          | 50.0                          | 65.4                          | 65.4                          | 65.4                       |
|                          | Max Height (ft) Indoor & Outdoor        | 32                            | 32                            | 32                            | 16.4                          | 32                            | 16.4                          | 32                            | 32                            | 32                         |
|                          | Liquid Pipe (Diameter-inch)             | 1/4                           | 1/4                           | 1/4                           | 1/4                           | 1/4                           | 1/4                           | 1/4                           | 1/4                           | 3/8                        |
|                          | Suction Line (Diameter-inch)            | 3/8                           | 3/8                           | 3/8                           | 3/8                           | 3/8                           | 3/8                           | 1/2                           | 1/2                           | 5/8                        |
| Performance              | Cooling Capacity (BTU/H)                | 9,000                         | 9,000                         | 12,000                        | 12,000                        | 12,000                        | 12,000                        | 18,000                        | 18,000                        | 24,000                     |
|                          | Heating Capacity (BTU/H)                | 10,000                        | 10,000                        | 13,200                        | 12,000                        | 13,000                        | 12,000                        | 20,000                        | 19,000                        | 24,200                     |
|                          | SEER (Cooling) BTU/W.h                  | 19.3                          | 16.3                          | 17.9                          | 25                            | 20.5                          | 25                            | 17.6                          | 23.3                          | 20.5                       |
|                          | HSPF (Heating) BTU/W.h                  | 10.5                          | 9.1                           | 9.35                          | 10                            | 10.8                          | 10                            | 10.1                          | 11.6                          | 10.5                       |
|                          | EER (Cooling) BTU/W.h                   | 11.00                         | 10.50                         | 10.00                         | 14                            | 13.00                         | 14.5                          | 10.90                         | 13.00                         | 11.60                      |
|                          | COP W/W                                 | 3.20                          | 3.00                          | 3.28                          | 4                             | 3.40                          | 4                             | 3.20                          | 3.40                          | 3.40                       |
|                          | Air Circulation m3/Hr (CFM)             | 550 (323)                     | 550 (323)                     | 620 (364)                     | 950 (565)                     | 620 (364)                     | 860 (506)                     | 1000 (588)                    | 1100 (647)                    | 1200 (706)                 |
|                          | Moisture Removal per Hr (Dehumidifier)  | 0.9L / 0.24gal                | 0.9L / 0.24gal                | 1.2L / 0.32gal                | 1.6L / 0.42gal                | 1.2L / 0.32gal                | 1.6L / 0.42gal                | 2.0L / 0.53gal                | 1.5L / 0.4gal                 | 2.4 L / 0.63gal            |
| Indoor Unit              | Dimensions (LxWxH) (inches)             | 29 5/16 x 10 5/8 x 8 7/16     | 29 5/16 x 10 5/8 x 8 7/16     | 32 1/16 x 10 5/8 x 8 7/16     | 35 9/16 x 11 1/64 x 7 61/64   | 32 7/8 x 11 x 8 11/16         | 35 9/16 x 11 1/64 x 7 61/64   | 36 x 12 3/8 x 9 5/16          | 43 5/16 x 12 13/16 x 9 5/8    | 43 5/16 x 12 13/16 x 9 5/8 |
|                          | Weight (lbs)                            | 18.74                         | 18.74                         | 19.84                         | 22.05                         | 19.84                         | 22.05                         | 27.56                         | 31.97                         | 31.97                      |
|                          | Airflow (SI/H/M/L) CFM                  | 365/318/265/206               | 365/318/265/206               | 365/318/265/206               | 341/331/311/294               | 424/382/323/247               | 306/297/280/263               | 588/530/440/341               | 618/565/482/382               | 735/665/559/441            |
|                          | Air flow (Direction) Vertical / 4-way   | Vertical                      | Vertical                      | Vertical                      | 4-Way                         | Vertical                      | 4-Way                         | Vertical                      | Vertical                      | Vertical                   |
|                          | Sound Level (H/M/L) dB (A)              | 39/36/33                      | 39/36/33                      | 40/36/33                      | 43/39/35                      | 39/32/29                      | 43/39/35                      | 45/43/38                      | 45/41/37                      | 48/45/40                   |
|                          | Outdoor Unit                            | Dimensions (LxWxH) (inches)   | 28 1/8 x 19 x 9 7/16          | 28 1/8 x 19 x 9 7/16          | 28 1/8 x 19 x 9 7/16          | 30.71 x 23.82 x 11.42         | 31 7/8 x 23 x 11              | 30.71 x 23.82 x 11.42         | 31 7/8 x 23 x 11              | 33 7/8 x 25 9/16 x 12 3/16 |
| Weight (lbs)             |   | 55.12                         | 55.12                         | 59.52                         | 74.00                         | 72.75                         | 74.00                         | 85.98                         | 99.21                         | 123.46                     |
| Sound Level dB (A)       |   | 53                            | 54                            | 54                            | 55                            | 53                            | 55                            | 56                            | 55                            | 58                         |
| Electrical               | Current Input Cooling (A)               | 7.4                           | 3.7                           | 10.8                          | 7.4                           | 4.1                           | 4.5                           | 7.6                           | 6.3                           | 9.2                        |
|                          | Current Input Heating (A)               | 7.4                           | 3.9                           | 10.8                          | 7.8                           | 5.0                           | 5.0                           | 9.0                           | 7.2                           | 9.3                        |
|                          | Max Current Cooling (A)                 | 12.0                          | 7.0                           | 15.0                          | 9.5                           | 7.0                           | 5.9                           | 12.0                          | 12.0                          | 13.0                       |
|                          | Current Range Heating (A)               | 12.0                          | 7.0                           | 15.0                          | 10.2                          | 7.0                           | 6.5                           | 12.0                          | 12.0                          | 13.0                       |
|                          | Power Input-Cooling (W)                 | 818                           | 857                           | 1200                          | 810                           | 923                           | 780                           | 1651                          | 1385                          | 2069                       |
|                          | Power Input-Heating (W)                 | 916                           | 977                           | 1179                          | 865                           | 1121                          | 894                           | 1832                          | 1638                          | 2086                       |
| Approval & Certification | Industry Certification                  | ETL / AHRI                    | ETL / AHRI                    | ETL / AHRI                    | ETL / AHRI                    | ETL / AHRI                    | ETL / AHRI                    | ETL / AHRI                    | ETL / AHRI                    | ETL / AHRI                 |
|                          | Energy Saving Energy Star V5.0          | Energy Saving                 | Energy Saving                 | Energy Saving                 | Energy Star 5.0 Rating        | Energy Star 5.0 Rating        | Energy Star 5.0 Rating        | Energy Saving                 | Energy Star 5.0 Rating        | Energy Saving              |
| Warranty                 | Parts/Compressor (Years)                | 1 / 5                         | 1 / 5                         | 1 / 5                         | 1 / 5                         | 1 / 5                         | 1 / 5                         | 1 / 5                         | 1 / 5                         | 1 / 5                      |

<sup>(1)</sup> Requires additional refrigerant charge