

PIONEER® QUANTUM Ultra™

8-Way Ceiling Cassette Split Systems

23~24 SEER Ultra High Efficiency

Heat Pump + DC Inverter in One System

Single Zone (9000~24000 BTU/hr)

110~120V / 208V~230V, 60Hz, 1Ph

Wireless Access Via Free Smartphone App



INVERTER++[®]
TECHNOLOGY



Smart
Airflow

High
Efficiency

Insulated
DESIGN

Cloud
connected

DUAL
DRAINAGE

Low Noise

WORKS
WITH

Amazon Alexa

Google Assistant

Siri



Whisper-Quiet
Operation



Dual Drain
Options



LED
Display



Convenient
Maintenance



Eco-Friendly
Refrigerant



Customizable
Timer



Soft Breeze
Airflow



3D Air Flow



Ultra-Thin
Design



Power Loss
Memory Recovery



Rapid Delivery
Output



Energy
Saving



Wireless
Control

STANDARD FEATURES

- Digital Backlit LED Display On Front Panel
- Designed For Standard Wall Hung Installation
- Reverse Cycle / Heat Pump Application
- Latest Design Attractive Acrylic Flat Panel
- Full ABS Plastic Casing for Indoor Units
- Removable Flip Open Style Front Panel Cover
- Washable Return Air Filter Cartridges
- Self Learning Time-Demand Defrost Logic
- Automatic Synchronized Discharge Louver
- Three + Auto Speed Digital EC-DC Blower Motor
- Digital Motor Speed Control System
- Whisper Quiet Indoor Motor with Ball Bearings
- High Air Flow Volume for Quick Performance
- Ultra High Efficiency Grooved Copper Tubes

- Enhanced Louvered Hydrophilic Aluminum Fins
- Superior Efficiency Rating Under Variety of Conditions
- Dynamically Balanced Ultra Quiet Cross-Flow Blower
- Anti Mildew Treatment on Blower Wheels
- Internal Noise and Vibration Isolation
- High Output & Quiet Variable Speed Compressors
- Very Low Starting Current
- Anti Discoloration Formulated Plastic Dyes
- Low Ambient Condenser Heat Strip for -13°F Heating
- LCD Screen Infrared Electronic Control
- Auto-Restart with Memory for Power Outages
- Timer for Preset Starting and Stopping
- Auto Changeover, Dry and Fan Only Modes
- Season Sensitive Operational Logic

- Large Capacity Suction Accumulators
- Ultra Galvanized Sheet Metal Parts
- Heavy Coat of Baked Enamel Paint for the Outdoor Unit
- Durable Outdoor Fan with High Glass Content
- Efficient, Permanently Lubricated EC-DC Outdoor Motor
- Internal Overload Protection for Motors
- Flare Type Refrigerant Connections
- Full Operating Charge of Refrigerant (R454B)
- Standardized Cabinet Design for all Models
- Piping and Wiring Through Bottom, Sides or Rear of Unit
- Highest Grade Components for Long Life Expectancy
- Ample Availability of Spare Parts and Accessories
- Wireless Access Via Free Smartphone App Included
- Built to Withstand Extreme Ambient Climates

| Full System Model Number | | CYT009GLSI24RL | CYT012GLSI24RL | CYT018GLSI24RL | CYT024GLSI24RL |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|
|  | Indoor Unit Model Number | CT009GLSILCFHG | CT012GLSILCFHG | CT018GLSILCFHG | CT024GLSILCFHG |
| Indoor Unit Model Code | | Z2U30303001075 | Z2U30303001074 | Z2U30303001073 | Z2U30303001024 |
| Outdoor Unit Model Number | | YN009GLSI24RPG | YN012GLSI24RPG | YN018GLSI24RPG | YN024GLSI24RPG |
| Outdoor Unit Model Code | | Z2U20103009117 | Z2U20103009151 | Z4U20103038432 | Z2U20103009200 |
| System Type | QUANTUM ULTRA Series Ceiling Cassette Recessed Mount Type Split Heat Pump System | | | | |
| Modes | Cooling, Heating, Dehumidification, Ventilation | | | | |
| Control type | Standard set with IR wireless remote (Other optional controllers are available) | | | | |
| Input power supply | 208~230V~/60Hz/1P | | 208~230V~/60Hz/1P | 208~230V~/60Hz/1P | 208~230V~/60Hz/1P |
| Power supply range | 187~253 VAC | | 187~253 VAC | 187~253 VAC | 187~253 VAC |
| Energy Star Rating | ✓ | | ✓ | ✓ | ✓ |
| NEEP Rating | ✓ | | ✓ | ✓ | ✓ |
| Cooling performance | Rated cooling capacity (at 95°F) | Btu/h | 9,500 | 12,000 | 16,000 |
| | Cooling capacity range | Btu/h | 2,000~10,400 | 2,000~13,600 | 6,000~19,400 |
| | EER2 Rating | Btu/W.h | 12.5 | 11.7 | 11.0 |
| | SEER2 Rating | Btu/W.h | 23.0 | 21.0 | 20.5 |
| Heating performance | Rated Heating capacity (at 47°F) | Btu/h | 9,500 | 12,000 | 18,000 |
| | Rated Heating capacity (at 17°F) | Btu/h | 8,500 | 10,500 | 14,500 |
| | Heating capacity range | Btu/h | 2,500~12,500 | 3,100~12,700 | 4,000~21,400 |
| | HSPF2 Rating (Region IV) | Btu/W.h | 10.5 | 10.0 | 8.5 |
| | HSPF2 Rating (Region V) | Btu/W.h | 9.0 | 8.9 | 7.4 |
| | COP2 (at 47°F) | W/W | 3.8 | 3.5 | 2.9 |
| | Max. Heating capacity (at 5°F) | Btu/h | 7,400 | 9,000 | 13,200 |
| | Performance percentage | | 78% | 75% | 73% |
| | COP2 (at 5°F) | W/W | 1.95 | 1.9 | 1.8 |
| | Max. Heating capacity (at -4°F) | Btu/h | 5,890 | 7,750 | 11,160 |
| | Max. Heating capacity (at -13°F) | Btu/h | 4,750 | 6,250 | 9,000 |
| Rated power consumption | Cooling | W | 750 | 980 | 1,365 |
| | Heating | W | 720 | 960 | 1,640 |
| Rated power current | Cooling | A | 3.3 | 4.3 | 5.9 |
| | Heating | A | 3.1 | 4.2 | 7.1 |
| Min. circuit ampacity | | A | 10 | 11 | 12 |
| Max. circuit breaker | | A | 15 | 15 | 20 |
| Moisture removal | | Pint/day | 55 | 80 | 110 |
| Refrigerant and room size specifications | Type | | R454b (A2L rated refrigerant with a lower GWP rating of 466) | | |
| | Amount | Ozs | 25.0 | 35.3 | 45.5 |
| | Sufficiency for max line set length | Ft | 25 | 25 | 25 |
| | Adjustment amount per feet | Ozs | 0.11 | 0.11 | 0.11 |
| | Recommended room size | Sq.Ft | 250~350 | 350~500 | 500~750 |
| | Refrigerant leakage detector module | | Standard / Assembled in indoor unit | | |
| Air volume and sound level | Minimum room size (unit height 6') | SqF | 28 | 40 | 51 |
| | Turbo/High/Med/Low/Mute | CFM | 326/282.5/235/188/153 | 500/470/411/323/205 | 735/676/529/423/394 |
| | | dB(A) | 43/40/33/31/30 | 46/44/36/32/30 | 50/47/43/38/34 |
| Outdoor sound | | dB(A) | 50 | 52 | 53 |
| Connecting pipe | Gas | In (OD) | 3/8" | 3/8" | 1/2" |
| | Liquid | In (OD) | 1/4" | 1/4" | 1/4" |
| | Accessory line set length available | Feet | 10' / 16' / 25' / 33' / 50' (can be further extended using coupling kits). Both Standard copper and fully flexible sets are available | | |
| | Maximum allowable length | Feet | 50 | 50 | 65 |
| Indoor unit dimensions and weight | Maximum allowable vertical run | Feet | 33 | 33 | 50 |
| | Net unit dimensions (WxDxH) | Inch | 22"-1/2 x 22"-1/2 x 9"-5/8 | 22"-1/2 x 22"-1/2 x 9"-5/8 | 22"-1/2 x 22"-1/2 x 9"-5/8 |
| | Carton box dimensions (WxDxH) | Inch | 28"-1/4 x 25"-7/8 x 11"-7/8 | 28"-1/4 x 25"-7/8 x 11"-7/8 | 28"-1/4 x 25"-7/8 x 11"-7/8 |
| | Shipping factor | | 0.00323 | 0.00323 | 0.00323 |
| Panel Grill dimensions and weight | Net unit weight | Lbs | 32.0 | 32.0 | 32.0 |
| | Shipping weight | Lbs | 38.6 | 38.6 | 38.6 |
| | Net unit dimensions (WxDxH) | Inch | 25"-5/8 x 25"-5/8 x 2"-3/8 | 25"-5/8 x 25"-5/8 x 2"-3/8 | 25"-5/8 x 25"-5/8 x 2"-3/8 |
| | Carton box dimensions (WxDxH) | Inch | 28"-7/8 x 28"-7/8 x 4"-3/8 | 28"-7/8 x 28"-7/8 x 4"-3/8 | 28"-7/8 x 28"-7/8 x 4"-3/8 |
| Outdoor unit dimensions and weight | Net unit weight | Lbs | 6.0 | 6.0 | 6.0 |
| | Shipping weight | Lbs | 9.5 | 9.5 | 9.5 |
| | Net unit dimensions (WxDxH) | Inch | 31"-7/8 x 12" x 21"-5/8 | 31"-7/8 x 12" x 21"-5/8 | 36"-1/2 x 15" x 27"-1/2 |
| | Carton box dimensions (WxDxH) | Inch | 32"-7/8 x 13" x 22"-5/8 | 32"-7/8 x 13" x 22"-5/8 | 37"-3/8 x 16"-1/2 x 28"-7/8 |
| Connecting cable | | | AWG #16 x 4 Core TC-ER cable | | |
| Temperature setting range | | °F | | 62 ~ 86 | |
| Working ambient temperature range for cooling | | °F | | 5 ~ 131 | |
| Temperature setting range for heating | | °F | | -13 ~ 86 | |

Rated cooling performance data is based on standard ARI conditions of 80°F-DB/67°F-WB Indoor and 95°F Outdoor ambient conditions. Rated heating performance data is based on standard ARI conditions of 70°F-DB/60°F-WB Indoor and 47°F Outdoor ambient conditions. Variable speed inverter systems adjust their output capacity automatically based on actual indoor and outdoor temperatures, thermostat settings and other heating or cooling loads. Capacity of the system output and related power input will vary based on these conditions. System contains A2L refrigerant and the minimal room size data must be strictly adhered to for any standard installation to avoid fire risk. This data assumes the indoor unit installation height of minimum 6 feet from the floor level. Lower levels require larger min. room sizes. **Specifications and data listed herein are subject to change without notice due to constant product and engineering improvements. Always refer to the equipment nameplate for applicable exact information.**