

PIONEER® QUANTUM Ultra™

8-Way Ceiling Cassette Split Systems

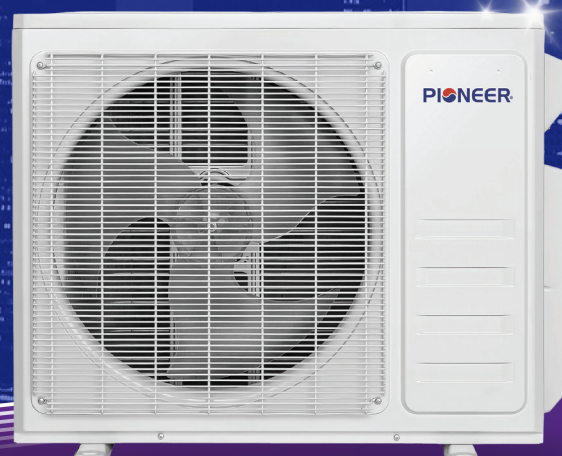
23~24 SEER Ultra High Efficiency

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



CYT-24

DC INVERTER HEAT PUMP

INVERTER++
TECHNOLOGY

R454b

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	CYT036GLSI18RL	CYT048GLSI18RL
	Indoor Unit Model Number		CT009GLSILCFHG	CT012GLSILCFHG	CT018GLSILCFHG	CT024GLSILCFHG	CT036GLSILCFHG	CT048GLSILCFHG
	Indoor Unit Model Code		Z2U30303001075	Z2U30303001074	Z2U30303001073	Z2U30303001024		
	Outdoor Unit Model Number		YN009GLSI24RPG	YN012GLSI24RPG	YN018GLSI24RPG	YN024GLSI24RPG	YN036GLSID3RUG	YN048GLSID3RUG
	Outdoor Unit Model Code		Z2U201030009117	Z2U201030009151	Z4U20103038432	Z2U201030009200		
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	208~230V~/60Hz/1P	208~230V~/60Hz/1P
Power supply range			187 ~ 253 VAC	187 ~ 253 VAC	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	23,000	36,000	48,000
	Cooling capacity range	Btu/h	2,000~10,400	2,000~13,600	6,000~19,400	7,550~25,200		
	EER2 Rating	Btu/W.h	12.5	11.7	11.7	11.7	10.0	10.0
	SEER2 Rating	Btu/W.h	23.0	22.0	20.5	22.5	18.0	18.0
Heating performance	Rated Heating capacity (at 47°F)	Btu/h	9,500	12,500	18,000	25,000	36,000	48,000
	Rated Heating capacity (at 17°F)	Btu/h	6,200	7,600	11,000	15,200	31,000	43,000
	Heating capacity range	Btu/h	2,500~12,500	3,100~12,700	4,000~21,400	8,700~28,300		
	HSPF2 Rating (Region IV)	Btu/W.h	10.0	9.5	8.5	10.4	9.5	9.5
	HSPF2 Rating (Region V)	Btu/W.h	9.0	8.5	7.4	8.4		
	COP2 (at 47°F)	W/W	4.0	3.6	3.0	3.6	3.3	3.2
	Max. Heating capacity (at 5°F)	Btu/h	7,600	9,100	13,200	19,100	30,000	42,000
	Performance percentage		80%	73%	73%	76%	83%	88%
	COP2 (at 5°F)	W/W	2.0	1.9	1.8	2.0	1.8	1.8
	Max. Heating capacity (at -4°F)	Btu/h	5,890	7,750	11,160	15,500		
	Max. Heating capacity (at -13°F)	Btu/h	4,750	6,250	9,000	12,500		
Rated power consumption	Cooling	W	750	980	1,365	2,000	3,600	4,800
	Heating	W	720	960	1,640	1,960	3,197	4,396
Rated power current	Cooling	A	3.3	4.3	5.9	8.7	17.2	23.0
	Heating	A	3.1	4.2	7.1	8.5	15.3	21.0
Min. circuit ampacity		A	10	11	12	17	30	35
Max. circuit breaker		A	15	15	20	25	45	55
Moisture removal		Pint/day	55	80	110	130		
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	55.0	122.4	141.1
	Sufficiency for max line set length	Ft	25	25	25	25	25	25
	Adjustment amount per feet	Ozs	0.11	0.11	0.11	0.11	0.27	0.27
	Recommended room size	Sq.Ft	250 ~ 350	350 ~ 500	500 ~ 750	750 ~ 1,000	1,000 ~ 1,400	1,400 ~ 1,800
	Refrigerant leakage detector module		Standard / Assembled in indoor unit					
Air volume and sound level		SqF	28	40	51	62	138	159
Outdoor sound	Turbo/High/Med/Low/Mute	CFM	326/282.5/235/188/153	500/470/411/323/205	735/676/529/423/394	735/676/529/423/394		
		dB(A)	43/40/33/31/30	46/44/36/32/30	50/47/43/38/34	50/47/43/38/34		
Connecting pipe		dB(A)	50	52	53	54	68	69
	Gas	In (OD)	3/8"	3/8"	1/2"	5/8"	5/8"	5/8"
	Liquid	In (OD)	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"
	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	65	100	165
Indoor unit dimensions and weight	Maximum allowable vertical run	Feet	33	33	50	50	50	100
	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	33"-1/8 x 33"-3/4 x 10"-3/4	33"-1/8 x 33"-3/4 x 11"-1/2	33"-1/8 x 33"-3/4 x 11"-1/2
	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	36"-7/8 x 36"-7/8 x 11"-1/2	36"-7/8 x 36"-7/8 x 13"-3/4	36"-7/8 x 36"-7/8 x 13"-3/4
	Shipping factor		0.00323	0.00323	0.00323	0.00645		
	Net unit weight	Lbs	32.0	32.0	32.0	51.8	57.3	61.5
Panel Grill dimensions and weight	Shipping weight	Lbs	38.6	38.6	38.6	59.5	68.3	72.2
	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	37"-3/8 x 37"-3/8 x 2"-7/8	37"-3/8 x 37"-3/8 x 2"-7/8	37"-3/8 x 37"-3/8 x 2"-7/8
	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	41"-1/2 x 41"-1/2 x 3"-1/2	41"-1/2 x 41"-1/2 x 3"-1/2	41"-1/2 x 41"-1/2 x 3"-1/2
	Net unit weight	Lbs	6.0	6.0	6.0	13.2	13.2	13.2
	Shipping weight	Lbs	9.5	9.5	9.5	19.8	19.8	19.8
Outdoor unit dimensions and weight	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	38"1/2 x 16"-5/8 x 31"-5/8	42"-1/2 x 19"-1/2 x 33"-3/4	40"-3/4 x 18"-1/8 x 52"-3/4
	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	40"-1/4 x 18"-7/8 x 31"-7/8	44"-3/4 x 20"-7/8 x 38"-1/4	42"-1/2 x 17" x 57"-3/8
	Shipping factor		0.00256	0.00256	0.005	0.00694		
	Net unit weight	Lbs	52.7	58.4	90.4	104.7	184.1	246.5
	Shipping weight	Lbs	57.1	65.0	97.0	119.0	191.8	260.1
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.**