PIONEER®

QUANTUM Ultra™

8-Way Ceiling Cassette Split Systems

CYT-24

DC INVERTER | HEAT PUMP

- 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

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 Fow | 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

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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	23,000
	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	11.0	11.7
	SEER2 Rating	Btu/W.h	23.0	21.0	20.5	22.5
Heating performance	Rated Heating capacity (at 47°F)	Btu/h	9,500	12,000	18,000	25,000
	Rated Heating capacity (at 17°F)	Btu/h	8,500	10,500	14,500	22,000
	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	10.5	10.0	8.5	10.4
	HSPF2 Rating (Region V)	Btu/W.h	9.0	8.9	7.4	9.4
	COP2 (at 47°F)	W/W	3.8	3.5	2.9	3.5
	Max. Heating capacity (at 5°F)	Btu/h	7,400	9,000	13,200	19,100
	Performance percentage		78%	75%	73%	76%
	COP2 (at 5°F)	W/W	1.95	1.9	1.8	2.0
	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
	Heating	W	720	960	1,640	1,960
Rated power current	Cooling	A	3.3	4.3	5.9	8.7
	Heating	A	3.1	4.2	7.1	8.5
Min. circuit ampacity		A	10	11	12	17
Max. circuit breaker		A	15	15	20	25
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
	Sufficiency for max line set length	Ft	25	25	25	25
	Adjustment amount per feet	Ozs	0.11	0.11	0.11	0.11
	Recommended room size	Sq.Ft	250~350	350~500	500~750	750~1,000
	Refrigerant leakage detector module		Standard / Assembled in indoor unit			
	Minimum room size (unit height 6')	**SqF**	**28**	**40**	**51**	**62**
Air volume and sound level	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
Outdoor sound		dB(A)	50	52	53	54
Connecting pipe	Gas	In (OD)	3/8''	3/8''	1/2''	5/8''
	Liquid	In (OD)	1/4''	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	65
	Maximum allowable vertical run	Feet	33	33	50	50
Indoor unit dimensions and weight	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
	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
	Shipping factor		0.00323	0.00323	0.00323	0.00645
	Net unit weight	Lbs	32.0	32.0	32.0	51.8
	Shipping weight	Lbs	38.6	38.6	38.6	59.5
Panel Grill dimensions and weight	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
	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
	Net unit weight	Lbs	6.0	6.0	6.0	13.2
	Shipping weight	Lbs	9.5	9.5	9.5	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
	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
	Shipping factor		0.00256	0.00256	0.005	0.00694
	Net unit weight	Lbs	52.7	58.4	90.4	104.7
	Shipping weight	Lbs	57.1	65.0	97.0	119.0
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.**