

PIONEER[®]

DIAMANTE Pro[™]

Ductless Wall Mount Split Systems

19~23 SEER High Efficiency

Heat Pump + DC Inverter in One System

Single Zone (9000~36000 BTU/hr)

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



WYT-20S

DC INVERTER HEAT PUMP

INVERTER+[®]
TECHNOLOGY



Smart
Airflow

High
Efficiency

Insulated
DESIGN

DUAL
DRAINAGE

Low Noise



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

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
- Anti Discoloration Formulated Plastic Dyes
- Low Ambient Condenser Heat Strip for -13F 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

- Self-Learning Time-Demand Defrost Logic
- Automatic Synchronized Discharge Louver
- Three + Auto Speed Digital EC-DC Blower Motor
- Ultra High-Efficiency Grooved Copper Tubes
- Enhanced Louvered Hydrophilic Aluminum Fins
- Superior Efficiency Rating Under a 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
- 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
- Digital Motor Speed Control System
- Whisper Quiet Indoor Motor with Ball Bearings
- High Air Flow Volume for Quick Performance
- 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 the Bottom, Sides, or Rear of the Unit
- Highest Grade Components for Long Life Expectancy
- Ample Availability of Spare Parts and Accessories
- Wireless Internet Access via Control Module Available
- Built to Withstand Very Low Ambient Temperatures

Full System Model Number			WYT009ALSIZ0RL	WYT012ALSIZ0RL	WYT009GLSIZ0RL	WYT012GLSIZ0RL	WYT018GLSIZ0RL	WYT024GLSIZ0RL	WYT030GLSIZ0RL	WYT036GLSIZ0RL
	Indoor Unit Model Number		WT009ALSIZ0HLF	WT012ALSIZ0HLF	WT009GLSIZ0HLF	WT012GLSIZ0HLF	WT018GLSIZ0HLF	WT024GLSIZ0HLF	WT030GLSIZ0HLF	WT036GLSIZ0HLF
	Indoor Unit Model Code		Z2U20102009395	Z2U20102009447	Z2U20102009394	Z2U20102009448	Z2U20102009430	Z4U20102039520	Z4U20102039671	Z4U20102039671
	Outdoor Unit Model Number		YN009ALSIZ0RPF	YN012ALSIZ0RPF	YN009GLSIZ0RPF	YN012GLSIZ0RPF	YN018GLSIZ0RPF	YN024GLSIZ0RPF	YN030GLSIZ0RPF	YN036GLSIZ0RPF
Outdoor Unit Model Code			Z2U20103009115	Z2U20103009163	Z2U20103009114	Z2U20103009164	Z2U20103009142	Z4U20103038780	Z2U20103009143	Z2U20103009143
System Type			DIAMANTE PRO Series High Wall Mount Type Split Heat Pump System (SEER2 20 / Range 19 ~ 21)							
Modes			Cooling, Heating, Dehumidification, Ventilation							
Control type			Standard set with IR wireless remote (Other optional controllers are available)							
Input power supply			110~120V~/60Hz/1P	110~120V~/60Hz/1P	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			99~132 VAC	99~132 VAC	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	9,000	12,000	9,000	12,000	18,000	24,000	31,500	36,000
	Cooling capacity range	Btu/h	2,050~11,250	3,400~13,000	2,050~10,900	3,400~13,000	4,090~18,400	5,100~25,200	7,500~36,000	7,500~36,000
	EER2 Rating	Btu/W.h	11.7	10.5	12.0	11.2	10.5	10.5	9.0	9.0
	SEER2 Rating	Btu/W.h	19.0	20.0	20.0	20.0	21.0	21.0	19.0	19.0
Heating performance	Rated Heating capacity (at 47°F)	Btu/h	10,000	12,000	10,000	12,000	18,000	24,000	33,000	36,000
	Rated Heating capacity (at 17°F)	Btu/h	8,000	10,000	8,000	10,000	13,000	17,900	22,800	23,400
	Heating capacity range	Btu/h	2,050~12,200	3,400~13,900	2,050~12,200	3,400~13,900	4,090~19,000	5,100~25,900	7,500~36,000	7,500~36,000
	HSPF2 Rating (Region IV)	Btu/W.h	9.5	9.5	10.0	9.5	9.5	9.5	9.0	9.0
	HSPF2 Rating (Region V)	Btu/W.h	8.0	8.2	8.5	8.2	8.2	8.2	7.7	7.7
	COP2 (at 47°F)	W/W	3.81	3.41	3.81	3.41	3.41	3.41	3.15	3.15
	Max. Heating capacity (at 5°F)	Btu/h	7,300	9,000	7,400	9,000	12,500	15,600	18,800	20,400
	Performance percentage (at 5°F)		73%	75%	74%	75%	66%	68%	57%	57%
	COP2 (at 5°F)	W/W	1.9	1.8	1.9	1.8	1.8	2.1	2.1	2.1
	Max. Heating capacity (at -4°F)	Btu/h	6,100	7,200	6,100	7,200	11,000	14,600	18,900	20,400
Rated power consumption	Cooling	W	750	1,050	750	1,050	1,700	2,080	3,370	3,850
	Heating	W	750	1,030	750	1,030	1,530	1,800	3,070	3,350
Rated power current	Cooling	A	6.8	9.5	3.4	4.8	7.7	9.4	15.3	17.4
	Heating	A	6.8	9.3	3.4	4.7	6.9	8.2	14.0	15.2
Min. circuit ampacity		A	16	17	10	11	12	17	18	18
Max. circuit breaker		A	25	25	15	15	20	25	30	30
Moisture removal		Pint/day	55	80	55	80	110	130	140	150
Refrigerant and room size specifications	Type		R454b (A2L rated refrigerant with a lower GWP rating of 466)							
	Amount	Ozs	23.3	30.3	23.3	30.3	35.3	45.1	55.7	55.7
	Sufficiency for max line set length	Ft	25	25	25	25	25	25	25	25
	Adjustment amount per feet	Ozs	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
	Recommended room size	Sq.Ft	250~350	350~500	250~350	350~500	500~750	750~1,000	900~1,200	1,100~1,400
	Minimum room size (unit height 6')	SqF	26	34	26	34	40	51	63	63
Air volume and sound level		CFM	342/270/235/200/152	342/270/235/200/152	342/270/235/200/152	342/270/235/200/152	617/575/511/411/382	847/705/588/470/412	847/705/588/470/412	847/705/588/470/412
	Turbo/High/Med/Low/Mute	dB(A)	42/40/35/30/28	45/42/35/30/28	43/41/36/31/29	45/42/35/30/28	49/47/42/37/32	52/50/44/38/36	52/49/43/38/36	52/49/43/38/36
Outdoor sound		dB(A)	54	55	54	55	55	58	63	63
Connecting pipe	Gas	In (OD)	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	5/8"	5/8"
	Liquid	In (OD)	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
	Standard line set length included	Feet	16							
	Maximum allowable length	Feet	50	50	50	50	65	65	100	100
	Maximum allowable vertical run	Feet	33	33	33	33	50	50	65	65
Indoor unit dimensions and weight	Net unit dimensions (WxDxH)	Inch	31"-7/8 x 8" x 11"-1/2	31"-7/8 x 8" x 11"-1/2	31"-7/8 x 8" x 11"-1/2	31"-7/8 x 8" x 11"-1/2	39"-3/4 x 9" x 12"-3/8	46"-7/8 x 10"-1/4 x 14"-1/4	46"-7/8 x 10"-1/4 x 14"-1/4	46"-7/8 x 10"-1/4 x 14"-1/4
	Carton box dimensions (WxDxH)	Inch	34"-7/8 x 10"-3/4 x 14"-3/8	34"-7/8 x 10"-3/4 x 14"-3/8	34"-7/8 x 10"-3/4 x 14"-3/8	34"-7/8 x 10"-3/4 x 14"-3/8	43"-1/8 x 11"-3/4 x 15"-3/8	49"-5/8 x 13" x 17"	49"-5/8 x 13" x 17"	49"-5/8 x 13" x 17"
	Shipping factor		0.00135	0.00135	0.00135	0.00135	0.00208	0.00273	0.00273	0.00273
	Net unit weight	Lbs	19.8	19.8	19.8	19.8	27.6	36.4	39.7	39.7
	Shipping weight	Lbs	26.5	26.5	26.5	26.5	33.7	43.0	48.5	48.5
Outdoor unit dimensions and weight	Net unit dimensions (WxDxH)	Inch	31" x 11"-1/2 x 19"-3/8	31" x 11"-1/2 x 19"-3/8	31" x 11"-1/2 x 19"-3/8	31" x 11"-1/2 x 19"-3/8	34" x 13"-3/4 x 23"-3/4	36"-1/2 x 14"-7/8 x 27"-1/2	38"-1/2 x 16"-1/2 x 31"-5/8	38"-1/2 x 16"-1/2 x 31"-5/8
	Carton box dimensions (WxDxH)	Inch	33" x 13"-3/8 x 22"-3/4	33" x 13"-3/8 x 22"-3/4	33" x 13"-3/8 x 22"-3/4	33" x 13"-3/8 x 22"-3/4	35"-1/2 x 16" x 27"	37"-3/4 x 17"-1/8 x 30"-1/2	40"-1/4 x 18"-7/8 x 32"-7/8	40"-1/4 x 18"-7/8 x 32"-7/8
	Shipping factor		0.00278	0.00278	0.00278	0.00278	0.00483	0.00538	0.00699	0.00699
	Net unit weight	Lbs	51.8	55.1	48.5	55.1	70.5	88.2	105.8	105.8
	Shipping weight	Lbs	62.8	66.1	59.5	66.1	82.7	103.6	120.2	120.2
Connecting cable			AWG #16 x 4 Core TC-ER cable							
Temperature setting range		°F	62 ~ 86							
Working ambient temperature range for cooling		°F	5 ~ 122							
Temperature setting range for heating		°F	-4 ~ 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.**