

PIONEER[®] DIAMANTE Essenza[™]

Ductless Wall Mount Split Systems

17 SEER High Efficiency

Heat Pump + DC Inverter in One System

Single Zone (12000~36000 BTU/hr)

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



WYT-17

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
- 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
- Standard Performance Heating at 5°F Ambient
- 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 (R32)
- 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 Available
- Boxed with Full 16' Installation Kit (Lineset+Wire+10' Drain)

Full System Model Number			WYT012ALUI17RL	WYT012GLUI17RL	WYT018GLUI17RL	WYT024GLUI17RL	WYT036GLUI17RL
	Indoor Unit Model Number		WT012ALUI17HLD	WT012GLUI17HLD	WT018GLUI17HLD	WT024GLUI17HLD	WT036GLUI17HLD
	Indoor Unit Model Code		Z2U20101010440	Z4U20101041122	Z4U20101040343	Z4U20101040659	Z4U20101042775
	Outdoor Unit Model Number		YN012ALUI17RPD	YN012GLUI17RPD	YN018GLUI17RPD	YN024GLUI17RPD	YN036GLUI17RPD
	Outdoor Unit Model Code		Z2U20103009868	Z2U20103010656	Z4U20103047821	Z4U20103048175	Z2U20103010899
System Type			DIAMANTE ESSENZA Series High Wall Mount Type Split Heat Pump System (SEER2 17)				
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	208~230V~/60Hz/1P	208~230V~/60Hz/1P	208~230V~/60Hz/1P	208~230V~/60Hz/1P
Power supply range			99 ~ 132 VAC	187 ~ 253 VAC	187 ~ 253 VAC	187 ~ 253 VAC	187 ~ 253 VAC
Cooling performance	Rated cooling capacity (at 95°F)	Btu/h	11,500	11,500	17,000	23,000	35,000
	Cooling capacity range	Btu/h	2,050 ~ 12,000	2,050 ~ 12,000	4,095 ~ 17,700	5,120 ~ 24,500	7,500 ~ 36,000
	EER2 Rating	Btu/W.h	9.5	9.5	9.5	9.5	9.5
	SEER2 Rating	Btu/W.h	17	17	17	17	17
Heating performance	Rated Heating capacity (at 47°F)	Btu/h	11,500	11,500	16,500	22,400	35,400
	Rated Heating capacity (at 17°F)	Btu/h	6,800	6,800	10,000	13,500	20,400
	Heating capacity range	Btu/h	2,050 ~ 12,500	2,050 ~ 12,500	4,095 ~ 17,700	5,120 ~ 24,500	7,500~36,000
	HSPF2 Rating (Region IV)	Btu/W.h	9.5	8.3	8.5	9.5	8.5
	HSPF2 Rating (Region V)	Btu/W.h	8.1	7.1	7.2	8.5	7.5
	COP2 (at 47°F)	W/W	3.3	3.2	3.2	3.3	3.2
	Max. Heating capacity (at 5°F)	Btu/h	8,000	7,000	9,500	12,000	18,000
	Performance percentage		70%	61%	58%	54%	51%
	COP2 (at 5°F)	W/W	1.90	1.75	1.80	1.80	1.80
	Rated power consumption	Cooling	W	1,180	1,170	1,770	2,365
Heating		W	1,005	1,100	1,440	1,900	3,000
Rated power current	Cooling	A	10.4	5.1	7.7	10.3	14.6
	Heating	A	8.8	4.8	6.3	8.4	13.2
Min. circuit ampacity		A	17	11	12	17	23
Max. circuit breaker		A	25	15	20	25	35
Moisture removal		Pint/day	65	65	80	120	150
Refrigerant and room size specifications	Type		R32 (A2L rated refrigerant with a lower GWP rating of 675)				
	Amount	Ozs	17.6	17.6	23.6	36.7	56.1
	Sufficiency for max line set length	Ft	25	25	25	25	25
	Adjustment amount per feet	Ozs	0.11	0.11	0.11	0.11	0.11
	Recommended room size	Sq. Ft	350 ~ 500	350 ~ 500	500 ~ 750	750 ~ 1,000	1,000 ~ 1,400
	Minimum room size (unit height 6')	SqF	20	20	27	41	63
Air volume and sound level	Turbo/High/Med/Low/Mute	CFM	276/265/241/224/206	294/264/235/206/159	412/364/294/235/208	676/629/505/412/352	882/741/564/458/411
		dB(A)	43/40/36/33/29	45/42/39/35/33	49/45/40/34/32	50/48/46/40/37	55/52/46/41/39
Outdoor sound		dB(A)	53	55	57	56	63
Connecting pipe	Gas	In (OD)	3/8"	3/8"	3/8"	1/2"	5/8"
	Liquid	In (OD)	1/4"	1/4"	1/4"	1/4"	1/4"
	Standard line set length included	Feet			16		
	Maximum allowable length	Feet	50	50	50	65	100
	Maximum allowable vertical run	Feet	33	33	33	50	65
Indoor unit dimensions and weight	Net unit dimensions (WxDxH)	Inch	30"-1/2 x 7"-7/8 x 9"-3/4	30"-1/2 x 7"-7/8 x 9"-3/4	35"-3/4 x 8"-1/8 x 11"-1/2	39"-3/4 x 8"-3/4 x 12"-3/8	46"-7/8 x 10"-1/4 x 14"-1/4
	Carton box dimensions (WxDxH)	Inch	33"-1/8 x 10"-1/4 x 12"-3/8	33"-1/8 x 10"-1/4 x 12"-3/8	38"-1/8 x 10"-7/8 x 14"-5/8	43"-1/8 x 11"-3/4 x 15"-3/8	49"-5/8 x 12"-7/8 x 16"-7/8
	Shipping factor		0.00107	0.00107	0.00155	0.00208	0.00273
	Net unit weight	Lbs	16.5	16.5	20.9	26.5	38.6
	Shipping weight	Lbs	20.9	20.9	27.6	33.1	46.3
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"-7/8 x 12" x 21"-5/8	34" x 13"-3/4 x 23"-5/8	38"-1/2 x 16"-1/2 x 31"-5/8
	Carton box dimensions (WxDxH)	Inch	33" x 13"-1/4 x 22"-3/4	33" x 13"-1/4 x 22"-3/4	33"-1/2 x 14"-1/4 x 25"-1/8	35"-1/2 x 15"-7/8 x 26"-7/8	40"-1/4 x 18"-7/8 x 32"-7/8
	Shipping Factor		0.00278	0.00278	0.00294	0.00483	0.00699
	Net unit weight	Lbs	50.7	50.7	57.3	70.5	105.8
	Shipping weight	Lbs	61.7	61.7	68.8	82.7	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	54 ~ 122				
Working ambient temperature range for heating		°F	5 ~ 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.**