PIONEER®

DIAMANTE Essenza™

WYT-20U

DC INVERTER | HEAT PUMP

Ductless Wall Mount Split Systems

- 20 SEER High Efficiency
- Heat Pump + DC Inverter in One System
- Single Zone (9,000~36,000 BTU/hr)
- 110~120V / 208V~230V, 60Hz, 1Ph

AHRI CERTIFIED | ETL Intertek | ISO 9001 CERTIFIED



INVERTER TECHNOLOGY | R32

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 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
- 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
- Standard Performance Heating at 5°F Ambient
- 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
- 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
- Boxed with a full 16' installation kit (lineset+wire+10'drain)
- Full Operating Charge of Refrigerant (R32)
- Wireless Access Via Free Smartphone App Available

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Full System Model Number			WYT009ALUI20RL	WYT012ALUI20RL	WYT009GLUI20RL	WYT012GLUI20RL	WYT018GLUI20RL	WYT024GLUI20RL	WYT030GLUI20RL	WYT036GLUI20RL
	Indoor Unit Model Number		**WT009ALUI20HLE**	**WT012ALUI20HLE**	**WT009GLUI20HLE**	**WT012GLUI20HLE**	**WT018GLUI20HLE**	**WT024GLUI20HLE**	**WT030GLUI20HLE**	**WT036GLUI20HLE**
	Indoor Unit Model Code		Z2U20102081861	Z4U20102093857	Z2U20102081862	Z4U20102093856	Z4U20102093509	Z4U20102093733	Z2U20102082380	Z2U20102082380
	Outdoor Unit Model Number		**YN009ALUI20RPE**	**YN012ALUI20RPE**	**YN009GLUI20RPE**	**YN012GLUI20RPE**	**YN018GLUI20RPE**	**YN024GLUI20RPE**	**YN030GLUI20RPE**	**YN036GLUI20RPE**
	Outdoor Unit Model Code		Z2U20103081642	Z2U20103082101	Z2U20103081643	Z2U20103082102	Z4U20103092453	Z2U20103082083	Z4U20103092460	Z4U20103092460
System Type			DIAMANTE ESSENZA 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	32,000	36,000
	Cooling capacity range	Btu/h	3,400~13,000	2,000~13,900	3,400~13,500	2,000~13,900	5,100~19,000	5,100~26,000	7,500~36,000	7,500~36,000
	EER2 Rating	Btu/W.h	12.0	9.5	12.5	9.5	9.5	10.5	9.5	9.5
	SEER2 Rating	Btu/W.h	20.0	20.0	21.0	20.0	20.0	20.0	20.0	20.0
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	9,800	10,000	9,800	10,000	15,000	18,000	28,400	28,400
	Heating capacity range	Btu/h	3,400~13,900	2,000~13,900	3,400~13,500	2,000~13,900	5,100~19,000	5,100~26,000	7,500~36,000	7,500~36,000
	HSPF2 Rating (Region IV)	Btu/W.h	9.5	10.0	9.5	10.0	10.0	9.5	9.5	9.5
	HSPF2 Rating (Region V)	Btu/W.h	8.1	8.5	8.1	8.5	8.5	8.1	8.1	8.1
	COP2 (at 47°F)	W/W	3.6	3.3	3.6	3.3	3.2	2.8	3.1	3.1
	Max. Heating capacity (at 5°F)	Btu/h	8,000	8,800	8,000	8,800	12,000	16,000	23,000	23,000
	Performance percentage (at 5°F)		89%	73%	80%	73%	67%	67%	64%	64%
	COP2 (at 5°F)	W/W	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	Max. Heating capcacity (at -4°F)	Btu/h	6,500	7,200	6,500	7,200	11,000	13,000	16,800	16,800
Rated power consumption	Cooling	W	740	1,240	720	1,240	1,820	2,250	3,530	3,850
	Heating	W	875	1,150	870	1,150	1,650	2,450	3,205	3,350
Rated power current	Cooling	A	6.2	10.9	4.5	5.4	7.9	9.8	15.0	16.8
	Heating	A	7.3	9.9	3.7	4.9	7.2	10.7	13.5	14.7
Min. circuit ampacity		A	17	17	10	11	13	20	22	33
Max. circuit breaker		A	20	20	10	10	20	30	30	30
Moisture removal		Pint/day	55	80	55	80	110	130	140	150
Refrigerant and room size specifications	Type		R32 (A2L rated refrigerant with a lower GWP rating of 466)							
	Amount	Ozs	21.2	20.5	21.2	20.5	37.7	42.3	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**	**24**	**23**	**24**	**23**	**43**	**48**	**63**	**63**
Air volume and sound level	Turbo/High/Med/Low/Mute	CFM	335/312/282/265/241	342/270/235/200/152	335/312/282/265/241	342/270/235/200/152	524/453/365/288/259	647/575/517/423/382	847/705/588/470/412	847/705/588/470/412
		dB(A)	42/39/34/30/28	45/42/35/30/28	42/39/34/30/28	45/42/35/30/28	49/46/40/34/32	51/49/43/37/34	52/49/43/38/36	52/49/43/38/36
Outdoor sound		dB(A)	53	55	53	55	55	60	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 7"-3/4 x 11"-1/2	31"-7/8 x 8" x 11"-1/2	31"-7/8 x 7"-3/4 x 11"-1/2	35"-7/8 x 8"-1/8 x 11"-5/8	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
	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	38"-1/2 x 10"-7/8 x 14"-5/8	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"
	Shipping factor		0.00135	0.00135	0.00135	0.00135	0.00155	0.00208	0.00273	0.00273
	Net unit weight	Lbs	18.7	18.7	18.7	18.7	21.4	26.5	39.7	39.7
	Shipping weight	Lbs	24.3	24.3	24.3	24.3	27.6	33.7	49.5	49.5
Outdoor unit dimensions and weight	Net unit dimensions (WxDxH)	Inch	31" x 11"-1/2 x 19"-5/8	31"-1/2 x 12" x 21"-3/4	31" x 11"-1/2 x 19"-5/8	31"-1/2 x 12" x 21"-3/4	33"-5/8 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"-5/8 x 14"-1/8 x 25"	33" x 13"-3/8 x 22"-3/4	33"-5/8 x 14"-1/8 x 25"	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	0.00290	0.00278	0.00290	0.00377	0.00537	0.00699	0.00699
	Net unit weight	Lbs	50.7	52.9	50.7	51.8	66.8	88.2	105.8	105.8
	Shipping weight	Lbs	57.3	59.5	57.3	58.4	74.5	97.0	114.6	114.6
Connecting cable			AWG #16 x 4 Core TC-ER cable							
Temperature setting range		°F	61 ~ 88							
Working ambient temperature range for cooling		°F	5 ~ 127							
Temperature setting range for heating		°F	-4 ~ 75							

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.**