

# PIONEER®

AIR CONDITIONING & HEAT PUMP SYSTEMS

## Ductless Wall Mount

17~19 SEER Ultra High Efficiency

DC Inverter + Heat Pump in One System

Single Zone (9,000 ~ 36,000 BTU/hr)

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



# WYT-19

## DIAMANTE SERIES

### SINGLE ZONE MINI SPLITS



## 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
- 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
- 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 (R410A)
- 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

## ACCESSORIES & OPTIONS



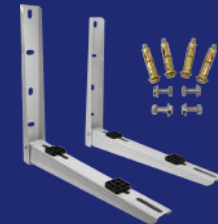
Wireless Controller



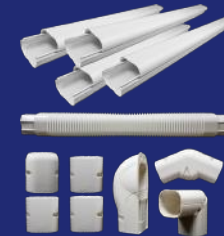
Port Adapters



Surge Protection



Mounting Brackets



Line Cover Kit



Mounting Base



Condensate Pump

Model Number		WYT009ALFI19RL	WYT012ALFI19RL	WYT009GLFI19RL	WYT012GLFI19RL	WYT018GLFI19RL	WYT024GLFI19RL	WYT036GLFI19RL	
Quick Lookup Specs		9K BTU/20 SEER/115V	12K BTU/20 SEER/115V	9K BTU/19 SEER/230V	12K BTU/19 SEER/230V	18K BTU/19 SEER/230V	24K BTU/18 SEER/230V	36K BTU/16 SEER/230V	
Type		Heat Pump Inverter	Heat Pump Inverter	Heat Pump Inverter	Heat Pump Inverter	Heat Pump Inverter	Heat Pump Inverter	Heat Pump Inverter	
Control type		Wireless Remote	Wireless Remote	Wireless Remote	Wireless Remote	Wireless Remote	Wireless Remote	Wireless Remote	
Power supply		115V/60Hz/1Ph	115V/60Hz/1Ph	208-230V/60Hz/1Ph	208-230V/60Hz/1Ph	208~230V/60Hz/1Ph	208~230V/60Hz/1Ph	208~230V/60Hz/1Ph	
Rated cooling capacity	Btu/hr	9,000	12,000	9,000	12,000	18,000	24,000	36,000	
Rated Heating capacity	Btu/hr	9,500	12,000	10,000	12,500	19,000	24,500	36,000	
SEER	Btu/W.h	20.0	20.0	19.0	19.0	19.0	18.0	17.0	
HSPF Rating (Region IV)	Btu/W.h	10.5	10.0	10.0	9.5	10.0	10.0	9.0	
EER	Btu/W.h	12.0	11	11.0	10.5	10.0	9.5	9.5	
COP	W/W	3.4	3.0	3.0	3.2	3.0	3.0	3.0	
Maximum Operation Pressure	PSIG	650	650	650	650	650	650	650	
Minimum Circuit Ampacity	A	17	19	9	10	12	18	22	
MAX FUSE	A	25	30	15	15	20	30	35	
Max Current	Cooling	A	8.5	12.1	4.6	6.1	9.7	13.1	
	Heating	A	8.7	12.1	5.5	6.1	9.7	13.1	
Max Power input	Cooling	W	940	1340	1010	1360	2150	4080	
	Heating	W	960	1340	1210	1360	2150	4180	
Rated current	Cooling	A	6.8	9.70	3.70	4.9	7.80	10.5	
	Heating	A	7.0	9.7	4.4	4.9	7.8	10.5	
Rated input	Cooling	W	750	1070	810	1,090	1,720	2,310	
	Heating	W	770	1070	970	1,090	1,720	2,310	
Annual Energy Consumption	Kw.h	375	535	405	545	860	1155	1635	
Moisture removal	Liters/h	1.1	1.6	1.1	1.6	2.45	2.6	2.6	
Indoor noise level at cooling	High	dB(A)	38	40	38	40	44	50	
	Med.	dB(A)	35	37	35	37	39	46	
	Low	dB(A)	32	34	32	34	34	42	
Outdoor noise level	dB(A)	50	52	50	52	55	58	58	
Connecting Pipe	Gas	inches	3/8"	3/8"	3/8"	3/8"	1/2"	5/8"	
	Liquid	inches	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	
Connecting Wiring	Size x Core number	4x16AWG	4x16AWG	4x16AWG	4x16AWG	4x16AWG	4x16AWG	4x16AWG	
Suitable Area	ft2	100-350	200-450	100-350	200-450	350-650	550-1000	750-1300	
Net dimensions (W x D x H)	Indoor	mm	811 x 205 x 292	811 x 205 x 292	811 x 205 x 292	811 x 205 x 292	1010 x 220 x 315	1186 x 260 x 340	1186 x 260 x 340
		inch	32" x 8-1/8" x 11.5	32" x 8-1/8" x 11.5	32" x 8-1/8" x 11.5	32" x 8-1/8" x 11.5	39-3/4" x 8-5/8" x 12-3/8"	46-5/8" x 10-1/4" x 13-3/8"	46-5/8" x 10-1/4" x 13-3/8"
	Outdoor	mm	728 x 285 x 550	728 x 285 x 550	715 x 240 x 492	715 x 240 x 492	780 x 290 x 605	845 x 380 x 699	900 x 360 x 805
		inch	28-5/8" x 11-1/4" x 21-5/8"	28-5/8" x 11-1/4" x 21-5/8"	28-1/8" x 9-1/2" x 19-3/8"	28-1/8" x 9-1/2" x 19-3/8"	30-3/4" x 11-3/8" x 23-3/4"	33-1/4" x 15" x 27-1/2"	35-1/2" x 14-1/4" x 31-3/4"
Net weight	Indoor	kg/lbs	8/17.6	8/17.6	8/17.6	13/28.7	17/37.5	17.5/38.6	
	Outdoor	kg/lbs	27/59.5	29/63.9	24.5/54.1	27/59.5	33.5/73.8	45/99.2	62/136.7
Packing dimensions (W x D x H)	Indoor	mm	885 x 366 x 278	885 x 366 x 278	885 x 366 x 278	885 x 366 x 278	1094 x 386 x 300	1265 x 415 x 338	1265 x 415 x 338
		inch	34-7/8" x 14-1/2" x 11"	34-7/8" x 14-1/2" x 11"	34-7/8" x 14-1/2" x 11"	34-7/8" x 14-1/2" x 11"	43" x 15-1/4" x 11-7/8"	49-7/8" x 16-3/8" x 13-3/8"	49-7/8" x 16-3/8" x 13-3/8"
	Outdoor	mm	835 x 585 x 340	835 x 585 x 340	818 x 520 x 325	818 x 520 x 325	890 x 628 x 385	960 x 732 x 430	1028 x 705 x 430
		inch	32-7/8" x 23" x 13-3/8"	32-7/8" x 23" x 13-3/8"	32-1/4" x 20-1/2" x 12-3/4"	32-1/4" x 20-1/2" x 12-3/4"	35" x 24-3/4" x 15-1/4"	37-3/4" x 28-7/8" x 17"	40.5" x 27-3/4" x 17"
Gross weight	Indoor	kg/lbs	10/22.1	11/24.2	10/22.1	11/24.2	16/35.3	21/46.3	21.5/47.4
	Outdoor	kg/lbs	30/66.1	32/70.5	27/59.5	31/68.3	37/81.5	50/110.2	69/152.1
<b>*** Indoor Unit ***</b>									
Indoor Motor	Motor Brand	Weilling/Broad-Ocean	Weilling/Broad-Ocean	Weilling/Broad-Ocean	Weilling/Broad-Ocean	Weilling/Broad-Ocean	Weilling/Broad-Ocean	Weilling/Broad-Ocean	
	Motor Model(Factory Code)	AC	AC	AC	AC	DC	DC	DC	
Indoor Air Circulation (High)	CFM	353	383	323	394	606	883	982	
Evaporator	mm	Φ7x2	Φ7x2	Φ7x2	Φ7x2	Φ7x2	Φ7x2	Φ7x3	
<b>*** Outdoor Unit ***</b>									
Compressor Brand		GMCC	GMCC	GMCC	GMCC	SANYO	SANYO	SANYO	
Compressor Model		ASN98D32UEZ	ASN98D32UEZ	ASN98D32UEZ	ASN98D32UEZ	C-6RZ146H1DJ	C-6RZ210H1BAF	ATF250D22UMT	
Outdoor Motor	Motor Brand	Weilling/Broad-Ocean/SHIBURA	Weilling/Broad-Ocean/SHIBURA	Weilling/Broad-Ocean/SHIBURA	Weilling/Broad-Ocean/SHIBURA	Weilling/Broad-Ocean	Weilling/Broad-Ocean	Weilling/Broad-Ocean	
	Motor Model	DC	DC	DC	DC	DC	DC	DC	
Condenser	mm	Φ7x1	Φ7x2	Φ7x1	Φ7x2	Φ7x2	Φ7x2	Φ7x3	
Factory Refrigerant Charge(for up to 25 ft pipe)	g/oz	810g / 28.57ozs	1002g / 35.34ozs	800g / 28.22ozs	950g / 33.51ozs	1150g / 40.56ozs	1550g / 54.67ozs	2600g / 91.71ozs	
Factory Precharge Line	(m/ft)	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25	
Maximum Line Length	(m/ft)	15 / 50	15 / 50	15 / 50	15 / 50	15 / 50	15 / 50	15 / 50	
Maximum Height Difference Between Indoor and Outdoor	(m/ft)	5 / 16.4	5 / 16.4	5 / 16.4	5 / 16.4	5 / 16.4	5 / 16.4	5 / 16.4	
Operation temperature	°F	62-86	62-86	62-86	62-86	62-86	62-86	62-86	
Room temperature	Indoor(cooling/ heating)	°F	>=62/<=86	>=62/<=86	>=62/<=86	>=62/<=86	>=62/<=86	>=62/<=86	
	Outdoor(cooling/heating)	°F	5-122 / -13-86	5-122 / -13-86	5-122 / -13-86	5-122 / -13-86	5-122 / -13-86	5-122 / -13-86	

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. Ratings are based on laboratory tests, performed in accordance with the applicable AHRI Standards for Variable Speed Mini Split Single Zone Heat Pump Systems.