

# 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



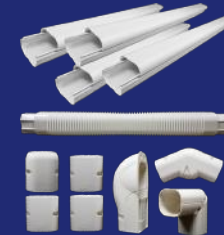
Port Adapters



Surge Protection



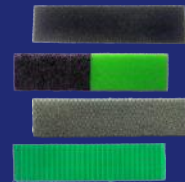
Mounting Brackets



Line Cover Kit



Vibration Absorbers



Air Filters

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
Rated Heating capacity		Btu/hr	9,500	12,000	10,000	12,500	19,000	24,500
SEER		Btu/W.h	20.0	20.0	19.0	19.0	19.0	16.0
HSPF Rating (Region IV)		Btu/W.h	10.5	10.0	10.0	9.5	10.0	10.0
EER		Btu/W.h	12.0	11	11.0	10.5	10.0	9.5
COP		W/W	3.4	3.0	3.0	3.2	3.0	3.0
Maximum Operation Pressure		PSIG	650.0	650.0	650.0	650.0	650.0	650.0
Maximum Fuse Size		A	25	25	15	20	20	20
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	2890
	Heating	W	960	1340	1210	1360	2150	2890
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
Moisture removal		Liters/h	1.1	1.6	1.1	1.6	2.45	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	42	42
Outdoor noise level		dB(A)	50	52	50	52	55	58
Connecting Pipe	Gas	inches	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"
	Liquid	inches	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"
Connecting Wiring		Size x Core number	4x16AWG	4x16AWG	4x16AWG	4x16AWG	4x16AWG	4x16AWG
Suitable Area		ft2	100-350	200-450	100-350	200-450	350-650	550-1000
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
		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"
	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
		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 27-1/2" x 15"
Net weight	Indoor	kg/lbs	8/17.6	8/17.6	8/17.6	8/17.6	13/28.7	17/37.5
	Outdoor	kg/lbs	27/59.5	29/63.9	24.5/54.1	27/59.5	33.5/73.8	45/99.2
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
		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"
	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
		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 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
	Outdoor	kg/lbs	30/66.1	32/70.5	27/59.5	31/68.3	37/81.5	50/110.2
*** Indoor Unit ***								
Indoor Motor	Motor Brand		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
Indoor Air Circulation (High)		CFM	353	383	323	394	606	883
Evaporator		mm	Ø7x2	Ø7x2	Ø7x2	Ø7x2	Ø7x2	Ø7x3
*** Outdoor Unit ***								
Compressor Brand			GMCC	GMCC	GMCC	GMCC	SANYO	SANYO
Compressor Model			ASN98D32UEZ	ASN98D32UEZ	ASN98D32UEZ	ASN98D32UEZ	C-6RZ2146H1DJ	C-6RZ210H1BAF
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
	Motor Model		DC	DC	DC	DC	DC	DC
Condenser		mm	Ø7x1	Ø7x2	Ø7x1	Ø7x2	Ø7x2	Ø7x3
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
Factory Precharge Line		(m/ft)	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
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
Operation temperature		°F	62-86	62-86	62-86	62-86	62-86	62-86
Room temperature	Indoor(cooling/ heating)	°F	>=62/<=86	>=62/<=87	>=62/<=88	>=62/<=89	>=62/<=90	>=62/<=91
	Outdoor(cooling/heating)	°F	5-122 / -13-86	5-122 / -13-87	5-122 / -13-88	5-122 / -13-89	5-122 / -13-90	5-122 / -13-91

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.