

# PIONEER®

*Air Conditioning & Heat Pump Systems*

The "right choice" for those who want the "Best"....

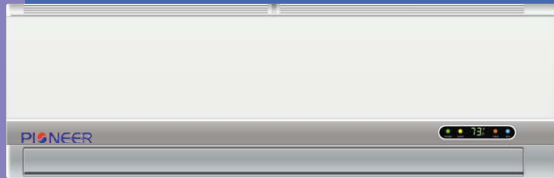
**WYD**

**13.0~13.5 SEER SPECIFICATIONS**

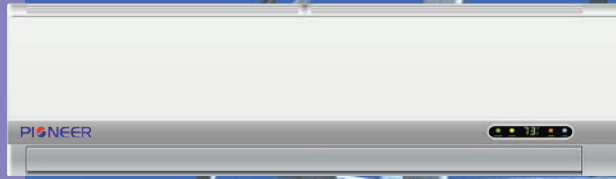
**Fixed Frequency / High Efficiency Heat Pump  
Ductless Wall Mount Split Systems**

**(9,000 through 24,000 BTU/Hr.)**

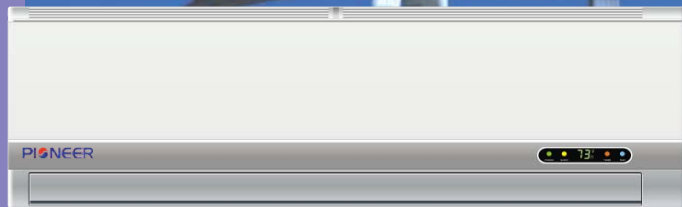
## 13 SEER - Fixed Frequency



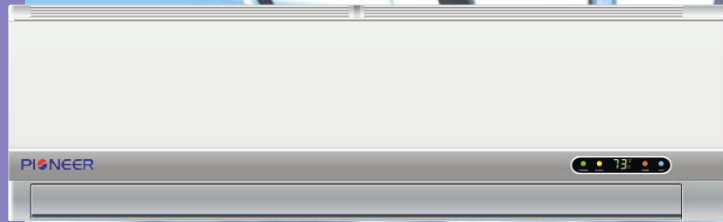
Mod. 009



Mod. 012



Mod. 018



Mod. 024



**OPTION:**  
MIRROR-GLASS DECORATIVE PANELS  
WITH ALUMINUM FRAMES, 4 COLORS



**OPTIONAL ACCESSORIES:**

- PIPING AND WIRING KIT
- CONDENSER STAND KIT
- LINE COVER KIT

**OPTIONAL AIR FILTERS:**

- ACTIVE CHARCOAL FILTER (For Deodorizing)
- CATECHIN FILTER (Anti Viral Air Treatment)
- PHOTO CATALYZER FILTER (Anti Biotic and Odor Removal)
- 3M H.A.F. FILTER (Absorbs Super Fine Particles)
- VITAMIN ENRICHMENT FILTER (Creates Healthy Air)
- NANO SILVER FILTER (Superior Air Cleansing)

**AVAILABLE VOLTAGES:**

- A : 110V~120V/1/60 (009~013)
- G : 208~230V/1/60 (All)

**AVAILABLE REFRIGERANTS:**

- F : R410A ONLY



**13 SEER FAMILY  
High Efficiency  
Fixed Frequency System**



### STANDARD FEATURES

- DESIGNED FOR STANDARD WALL HUNG INSTALLATION
- COOLING ONLY OR HEAT PUMP APPLICATIONS
- OPTIONAL ELECTRIC HEATER FOR HEAT PUMP VERSIONS
- LATEST DESIGN ATTRACTIVE APPEARANCE
- FULL ABS PLASTIC CASING FOR INDOOR UNITS
- REMOVABLE FLIP OPEN STYLE FLAT FRONT COVER
- WASHABLE RETURN AIR FILTER CARTRIDGES
- ANTI DISCOLORATION FORMULATED PLASTIC DYES
- MULTITUDE OF OPTIONAL AIR PURIFYING OPTIONS
- 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 (HEAT PUMP)
- AUTOMATIC SYNCHRONIZED DISCHARGE LOUVER
- THREE + AUTO SPEED PSC 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
- SPRING LOADED PIPE CONNECTIONS TO PREVENT KINKING
- DYNAMICALLY BALANCED ULTRA QUIET CROSSFLOW BLOWER
- ANTI MILDEW TREATMENT ON BLOWER WHEELS
- HIGH EFFICIENCY AND PERFORMANCE
- HIGH OUTPUT & QUIET COMPRESSORS FOR ALL MODELS
- VALVE COVER FOR PIPE PROTECTION
- 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
- EXTRA DURABLE, PERMANENTLY LUBRICATED OUTDOOR MOTOR
- INTERNAL OVERLOAD PROTECTION FOR MOTORS
- FLARE TYPE REFRIGERANT CONNECTIONS
- FULL OPERATING CHARGE OF REFRIGERANT
- 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

**PIONEER®**  
*Air Conditioning & Heat Pump Systems*

**WYD Series Product Line Up**

**PARKER DAVIS HVAC SYSTEMS, INC.**  
2260 NW 102nd. Place, Doral, Florida 33172 - U.S.A.  
Tel: (305) 513-4488 - Fax: (305) 513-4499  
Web Site: www.pd-hvac.com - email: info@pd-hvac.com

System Model Number		WYD009AL3ZAR-L	WYD009GL3ZAR-L	WYD012AL3JAR-L	WYD012GL3JAR-L	WYD018GL3JAR-L	WYD024GL3JAR-L	
Indoor Unit Model Number		WD009ALFR13HL3	WD009GLFR13HL3	WD012ALFR13HL3	WD012GLFR13HL3	WD018GLFR13HL3	WD024GLFR13HL3	
Outdoor Unit Model Number		YN009ALFR13RA3	YN009GLFR13RA3	YN012ALFR13RA3	YN012GLFR13RA3	YN018GLFR13RA3	YN024GLFR13RA3	
Power supply		115V~60Hz/1P	208-230V~60Hz/1P	115V~60Hz/1P	208-230V~60Hz/1P	208-230V~60Hz/1P	208-230V~60Hz/1P	
Cooling	Rated Capacity	Btu/h	9,000	9,500	12,000	12,500	18,000	24,000
	Rated Input	Watt	800	750	1100	1000	1550	2050
	Rated Current	A.	7.3	3.4	9.5	4.6	6.7	9.7
	SEER	Btu/W.h	13.5	13.0	13.0	13.0	13.0	13.0
	EER	Btu/W.h (W/W)	11.6 (3.4)	12.7 (3.7)	10.9 (3.2)	12.5 (3.7)	11.6 (3.4)	11.7 (3.4)
Heating	Rated Capacity	Btu/h	9,500	9,000	12,500	12,000	17,300	23,500
	Rated Input	Watt	810	750	1000	1000	1500	2050
	Rated Current	A.	7.4	3.4	9	4.6	6.4	9.7
	HSPF (Region IV)	Btu/W.h	9	8.7	8.1	8.7	7.7	7.8
	COP	Btu/W.h (W/W)	12.3 (3.6)	12.0 (3.5)	12.3 (3.6)	12.0 (3.5)	11.6 (3.4)	11.6 (3.4)
MINIMUM CIRCUIT AMPACITY		A.	12	7	15	8	12	16
MAX FUSE		A.	15	15	20	15	15	20
Moisture removal		Liters/h	0.8	0.8	1.0	1.2	1.5	2.0
		Pints/Day	40	40	50.0	60	75	100
Compressor	Model		EA82X1C-1FZDU1	PA82X1C-3FZDU	EA108X1C-1FZDU1	PA108X1C-3FZDU	PA150X2CS-3KUU	PA200X2CS-3MUU
	Type		Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
Indoor Blower	Fan Motor Model		GGSDJ-04a	GGSDJ-08	GGSDJ-04a	GGSDJ-06	GGSDJ-07b	GGSDJ-11b
	Fan Motor Output	W	12 W	18 W	12 W	20 W	60 W	54 W
	Blower Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Air Volume (H)	m <sup>3</sup> / h	550	600	730	700	950	1400
		CFM	325	350	430	410	560	825
	Blower Length	mm (in)	622 (24-1/2)	622 (24-1/2)	710 (28)	710 (28)	798 (31-1/2)	954 (37-1/2)
	Blower Diameter	mm (in)	98 (3-3/4)	98 (3-3/4)	94 (3-1/4)	94 (3-1/4)	107.5 (4-1/4)	106 (4-1/8)
	Blower Design		Random Pitch, Skewed	Random Pitch, Skewed	Random Pitch, Skewed	Random Pitch, Skewed	Random Pitch, Skewed	Random Pitch, Skewed
	Speed (Hi / Md / Lo)	RPM	1300 / 1200 / 1100	1270 / 1050 / 900	1270 / 1170 / 1000	1300 / 1220 / 1150	1550 / 1230 / 1110	1550 / 1230 / 1110
	Length	mm (in)	617 (24-3/8)	617 (24-3/8)	705 (27-3/4)	705 (27-3/4)	797 (31-3/8)	962 (37-7/8)
Height	mm (in)	315 (12-3/8)	315 (12-3/8)	315 (12-3/8)	315 (12-3/8)	357 (14)	420 (16-1/2)	
Width	mm (in)	25.4 (1)	25.4 (1)	25.4 (1)	25.4 (1)	25.4 (1)	25.4 (1)	
Number of Rows		2 / 15	2 / 15	2 / 15	2 / 15	2 / 17	2 / 20	
Tube Type		Triangular inner groove	Triangular inner groove	Triangular inner groove	Triangular inner groove	Triangular inner groove	Triangular inner groove	
Tube Diameter (OD)	mm (in)	7	7	7	7	7	7	
Fins Per Inch		18	15	18	15	21	18	
Fin Type		Slit Fin	Slit Fin	Slit Fin	Slit Fin	Slit Fin	Slit Fin	
Indoor Air Flow (Hi / Md / Lo)		m <sup>3</sup> /h	550	600	730	700	950	1400
		CFM	325	350	430	410	560	825
Indoor noise level	High	dB(A)	40	40	42	42	56	57
	Med.	dB(A)	38	38	40	40	54	55
	Low	dB(A)	36	36	38	38	50	52
Indoor Unit Measurements (W x H x D)	Unit Net Dimensions	mm	800 × 280 × 185	800 × 280 × 185	900 × 280 × 202	900 × 280 × 202	1033 × 313 × 202	1250 × 325 × 245
	Unit Net Dimensions	Inches	31-1/2 x 11 x 7-3/8	31-1/2 x 11 x 7-3/8	35-1/2 x 11 x 8	35-1/2 x 11 x 8	40-5/8 x 12-3/8 x 8	49-1/4 x 12-3/4 x 9-5/8
	Packing Dimensions	mm	885 × 366 × 278	885 × 366 × 278	985 × 365 × 298	985 × 365 × 298	1103 × 400 × 300	1317 × 422 × 338
	Packing Dimensions	Inches	34-7/8 x 14-3/8 x 11	34-7/8 x 14-3/8 x 11	38-3/4 x 14-3/8 x 11-3/4	38-3/4 x 14-3/8 x 11-3/4	43-3/8 x 15-3/4 x 11-3/4	51-7/8 x 16-5/8 x 13-3/8
	Net / Gross Weight	Kgs	8 / 10	8 / 10	9 / 11	9 / 11	14 / 17	22 / 25
	Net / Gross Weight	Lbs	18 / 22	18 / 22	20 / 24	20 / 24	31 / 37	48 / 55
	Motor Model		GZSDJ-03a	GZSDJ-03b	GZSDJ-03a	GZSDJ-03b	GZSDJ-13b	GZSDJ-05b
Motor Power Output	W	31	31	31	31	76	160	
Motor Speed	RPM	860	860	860	860	750	860	
Outdoor Fan Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan	Propeller fan	Propeller fan	
Fan Diameter	mm (in)	408 (16)	408 (16)	408 (16)	408 (16)	470 (18-1/2)	490 (19-3/8)	
Fan Blade Qty.		3	3	3	3	3	6	
Length	mm (in)	708 (27-7/8)	708 (27-7/8)	775 (30-1/2)	775 (30-1/2)	910 (35-7/8)	1015 (40)	
Height	mm (in)	510 (20)	510 (20)	510 (20)	510 (20)	609 (24)	762 (30)	
Width	mm (in)	25.4 (1)	25.4 (1)	25.4 (1)	25.4 (1)	38.1 (1-1/2)	38.1 (1-1/2)	
Number of Rows		2 / 24	2 / 24	2 / 24	2 / 24	2 / 24	2 / 30	
Tube Type		Triangular inner groove	Triangular inner groove	Triangular inner groove	Triangular inner groove	Triangular inner groove	Triangular inner groove	
Tube Diameter (OD)	mm (in)	7	7	7	7	9.52 (3/8)	9.52 (3/8)	
Fins Per Inch		17	17	17	17	19	17	
Fin Type		Slit Fin	Slit Fin	Slit Fin	Slit Fin	Slit Fin	Slit Fin	
Outdoor Unit Measurements (W x H x D)	Unit Net Dimensions		760 × 552 × 256	760 × 552 × 256	760 × 552 × 256	760 × 552 × 256	902 × 650 × 315	900 × 805 × 360
	Unit Net Dimensions		30 x 21-3/4 x 10	30 x 21-3/4 x 10	30 x 21-3/4 x 10	30 x 21-3/4 x 10	35-1/2 x 25-5/8 x 12-3/8	35-1/2 x 31-5/8 x 14-1/4
	Packing Dimensions	mm (in)	863 × 598 × 376	863 × 598 × 376	863 × 598 × 376	863 × 598 × 376	1037 × 705 × 433	1031 × 925 × 447
	Packing Dimensions		34 x 23-1/2 x 14-3/4	34 x 23-1/2 x 14-3/4	34 x 23-1/2 x 14-3/4	34 x 23-1/2 x 14-3/4	40-7/8 x 27-3/4 x 17-1/8	40-5/8 x 36-3/8 x 17-5/8
	Net / Gross Weight	kg (Lbs)	33 / 36	30 / 33	33 / 37	32 / 35	52 / 55	62 / 66
Net / Gross Weight	kg (Lbs)	72 / 78	66 / 72	72 / 80	70 / 77	114 / 120	136 / 145	
Outdoor noise level		dB(A)	50	50	52	52	54	59
Refrigerant Type / Charged Weight		g	R410A / 950	R410A / 950	R410A / 1020	R410A / 1020	R410A / 2000	R410A / 2670
		Ozs.	R410A / 34	R410A / 34	R410A / 36	R410A / 36	R410A / 71	R410A / 94
Refrigerant Charged for Sufficient Length		Ft.	20	20	20	20	20	20
Additional Charge Each Additional Length		Ozs.	0.22	0.22	0.22	0.22	0.35	0.35
Design Pressure (Indoor Outdoor)		PSIG	550 / 340 PSIG	550 / 340 PSIG	550 / 340 PSIG	550 / 340 PSIG	550 / 340 PSIG	550 / 340 PSIG
Connecting Pipe	Liquid Side / Gas Side (OD)	mm	Φ 6.35 / Φ 9.52	Φ 6.35 / Φ 9.52	Φ 6.35 / Φ 9.52	Φ 6.35 / Φ 9.52	Φ 6.35 / Φ 12.7	Φ 9.52 / Φ 15.9
		Inch	Φ 1/4" / Φ 3/8"	Φ 1/4" / Φ 3/8"	Φ 1/4" / Φ 3/8"	Φ 1/4" / Φ 3/8"	Φ 1/4" / Φ 1/2"	Φ 3/8" / Φ 5/8"
	Max. Refrigerant Pipe Length	m	17	17	17	17	17	20
		Ft.	50	50	50	50	50	60
	Max. Difference in Level	m	5	5	5	5	5	6
	Ft.	16	16	16	16	16	20	
Connecting Wiring	Cores x Size mm (AWG)		4 × 1.5 + 2 × 1.5 (2 × 14 + 2 × 14)	4 × 1.5 + 2 × 1.5 (2 × 14 + 2 × 14)	4 × 1.5 + 2 × 1.5 (2 × 14 + 2 × 14)	4 × 1.5 + 2 × 1.5 (2 × 14 + 2 × 14)	4 × 1.5 + 2 × 1.5 (2 × 14 + 2 × 14)	4 × 1.5 + 2 × 1.5 (2 × 14 + 2 × 14)
Control type			Wireless Remote	Wireless Remote	Wireless Remote	Wireless Remote	Wireless Remote	Wireless Remote
Operational Temperature Range	Indoor Temp. Range (Cooling / Heating)	°C	16~31	16~31	16~31	16~31	16~31	16~31
		°F	61~88	61~88	61~88	61~88	61~88	61~88
	Outdoor Temp. Range (Cooling / Heating)	°C	16~43 / -5~22	16~43 / -5~22	16~43 / -5~22	16~43 / -5~22	16~43 / -5~22	16~43 / -5~22
		°F	60~109 / 23~81	60~109 / 23~81	60~109 / 23~81	60~109 / 23~81	60~109 / 23~81	60~109 / 23~81
Suitable Area (Average / Estimate)		m <sup>2</sup>	18 ~ 28	18 ~ 28	28 ~ 37	28 ~ 37	37 ~ 56	56 ~ 74
		Sq. Ft.	200 ~ 300	200 ~ 300	300 ~ 400	300 ~ 400	400 ~ 600	600 ~ 800

Specification 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 AHRI Standards 210/240, with 95° F Outdoor, 80° F Dry Bulb / 67° F Wet Bulb Indoor Temperatures for Cooling and 47° F Outdoor, 70° F Dry Bulb / 60° F Wet Bulb Indoor Temperatures for Heat Pump Applications.