

PIONEER®

Air Conditioning & Heat Pump Systems

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

WYB-20

18.0~21.5 SEER SPECIFICATIONS

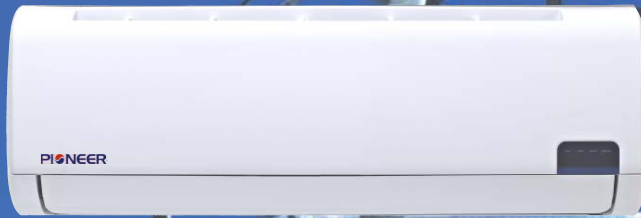
Ultra High Efficiency DC Inverter Heat Pump

Ductless Wall Mount Split Systems

Single Zone (9,000 through 24,000 BTU/Hr.)



Mod. 009-012



Mod. 018



Mod. 024



Mod. 009-012



Mod. 018



Mod. 024



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 Remover)
- 3M H.A.F. FILTER (Absorbs Super Fine Particles)
- VITAMIN ENRICHMENT FILTER (Creates Healthy Air)
- NANO SILVER FILTER (Superior Air Cleansing)

AVAILABLE VOLTAGES:

- A : 110~120/1/60 (009-012)
- G : 208~230/1/60 (009-024)

AVAILABLE REFRIGERANTS:

- F : R410A



20 SEER FAMILY
Ultra High Efficiency
DC INVERTERS



STANDARD FEATURES

- DIGITAL DISPLAY WITH COLOR LED ON FRONT PANEL
- DESIGNED FOR STANDARD WALL HUNG INSTALLATION
- REVERSE CYCLE / HEAT PUMP APPLICATION
- LATEST DESIGN ATTRACTIVE APPEARANCE 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
- 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 LOGIC
- AUTOMATIC SYNCHRONIZED DISCHARGE LOUVER
- THREE + AUTO SPEED DIGITAL 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
- SUPERIOR EFFICIENCY RATING UNDER VARIETY OF CONDITIONS
- DYNAMICALLY BALANCED ULTRA QUIET CROSSFLOW 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
- 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

WYB-20 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		WYB009AMFI20RL (Code:2T0032300881)	WYB012AMFI20RL (Code:2T0032500709)	WYB012GMFI20RL (Code:2T0032500707)	WYB018GMFI20RL (Code:2T0032800650)	WYB024GMFI20RL (Code:2T0033000520)
Indoor Unit Model Number		WB009AMFI20HLD (Code:220032309330)	WB012AMFI20HLD (Code:220032507780)	WB012GMFI20HLD (Code:220032507760)	WB018GMFI20HLD (Code:220032806210)	WB024GMFI20HLD (Code:220033005560)
Outdoor Unit Model Number		YN009AMFI20RPD (Code:220037306650)	YN012AMFI20RPD (Code:220037506260)	YN012GMFI20RPD (Code:220037506240)	YN018GMFI20RPD (Code:220037804670)	YN024GMFI20RPD (Code:220038004250)
Power supply		Ph-V-Hz	115V~ 60Hz, 1Ph	115V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph
Cooling	Nominal Capacity	Btu/h	9000	12000	12000	18000
	Min. and Max. Capacity Range	Btu/h	4300 ~ 15800	5950 ~ 18200	5950 ~ 18200	7100 ~ 21800
	Nominal Input	W	645	960	960	1440
	Rated current	A	5.80	8.60	4.40	6.70
	SEER	Btu/w	21.5	20.0	20.0	20.0
	EER	Btu/w	14.0	12.5	12.5	12.5
Heating	Nominal Capacity	Btu/h	10000	12500	13000	19000
	Min. and Max. Capacity Range	Btu/h	4800 ~ 17900	6100 ~ 19000	6200 ~ 20100	7200 ~ 24900
	Nominal Input	W	815	1250	1250	1465
	Rated current	A	7.30	11.10	5.60	6.80
	HSPF4	Btu/w	10.0	9.6	9.6	9.6
	COP	Btu/w	13.0	11.9	12.6	13.0
MINIMUM CIRCUIT AMPACITY	A	15	17	10	14	15
MAX.FUSE	A	25	30	15	20	25
Moisture Removal		l/h	1.0	1.2	1.2	1.8
		Pints/Day	50	60	60	120
Compressor	Model		DA108X1C-20FZ3	DA108X1C-20FZ3	DA108X1C-20FZ3	DA150S1C-20FZ
	Type		Rotary	Rotary	Rotary	Twin-Rotary
	Brand		GMCC	GMCC	GMCC	GMCC
Indoor fan motor	Model		WZDK30-38M	WZDK30-38M	WZDK30-38G	WZDK58-38G
	Brand		Panasonic	Panasonic	Panasonic	Shibaura
	Power	W	30 (Output)	30 (Output)	30 (Output)	58 (Output)
	Speed Control		PG Motor / SCR Control	PG Motor / SCR Control	PG Motor / SCR Control	PG Motor / SCR Control
	RLA	A	0.47	0.47	0.28	0.15
	LRA	A	/	/	/	/
	Winding Resistance	Ω	/	/	/	/
	Capacitor	uF	--	--	--	--
	Speed(Hi / Md / Lo)	r/min	1050 / 1000 / 850	1050 / 1000 / 940	1130 / 1040 / 940	1150 / 1050 / 900
Indoor air flow (Hi / Md / Lo)	m3/h	850 / 810 / 690	750 / 710 / 670	850 / 780 / 710	1100 / 1000 / 860	
	CFM	500 / 480 / 410	440 / 420 / 390	500 / 460 / 420	650 / 590 / 510	
Indoor noise level (Hi / Md / Lo)	dB(A)	41 / 37 / 33	40 / 38 / 36	42/40/36	49 / 46 / 43	
Indoor unit	Unit Net Dimensions (W*D*H)	mm	920 x 223 x 292	920 x 223 x 292	920 x 223 x 292	998 x 240 x 322
	Unit Net Dimensions (W*D*H)	Inch	36"1-4 x 8"-3/4 x 11"-1/2	36"1-4 x 8"-3/4 x 11"-1/2	36"1-4 x 8"-3/4 x 11"-1/2	39"-3/8 x 9"1/2 x 12"-5/8
	Packing Dimensions (W*D*H)	mm	1015 x 295 x 368	1015 x 295 x 368	1015 x 295 x 368	1080 x 400 x 320
	Packing Packing (W*D*H)	Inch	40" x 11"-5/8 x 14"-1/2	40" x 11"-5/8 x 14"-1/2	40" x 11"-5/8 x 14"-1/2	42"-1/2 x 15"-3/4 x 12"-5/8
	Net / Gross Weight	Kg	10.3 / 13.2	10.5 / 13.5	10.5 / 13.5	13 / 17
	Net / Gross Weight	Lbs.	22.7 / 29.1	23.2 / 29.8	23.2 / 29.8	28.7 / 37.5
Outdoor fan motor	Model		WZDK35-38G	WZDK35-38G	WZDK35-38G	WZDK50-38G
	Brand		Panasonic	Panasonic	Panasonic	Shibaura
	Power	W	35 (Output)	35 (Output)	35 (Output)	50 (Output)
	RLA	A	0.55	0.55	0.22	0.31
Outdoor air flow	Speed	r/min	800	800	800	800
	m3/h	1800	2000	2000	2500	
	CFM	1060	1180	1180	1470	
Outdoor noise level	dB(A)	55	54	57	59	
Outdoor unit	Unit Net Dimensions (W*D*H)	mm	760 x 285 x 590	760 x 285 x 590	760 x 285 x 590	845 x 320 x 700
	Unit Net Dimensions (W*D*H)	Inch	29"-7/8 x 11"-1/4 x 23"-1/4	29"-7/8 x 11"-1/4 x 23"-1/4	29"-7/8 x 11"-1/4 x 23"-1/4	33"1-4 x 12"-5/8 x 27"-1/2
	Packing Dimensions (W*D*H)	mm	887 x 355 x 645	887 x 355 x 645	887 x 355 x 645	965 x 395 x 915
	Packing Packing (W*D*H)	Inch	34"-7/8 x 14" x 25"-3/8	34"-7/8 x 14" x 25"-3/8	34"-7/8 x 14" x 25"-3/8	38 x 15"1/2 x 29"-3/4
	Net / Gross Weight	Kg	35.5 / 38	36 / 38.7	38 / 40.5	47.5 / 51
	Net / Gross Weight	Lbs.	78.3 / 83.8	79.4 / 85.3	83.8 / 89.3	104.7 / 112.4
Refrigerant type	g	R410A / 1250g	R410A / 1350g	R410A / 1350g	R410A / 1650g	
Refrigerant type	Ozs	R410A / 44 Ozs	R410A / 48 Ozs	R410A / 48 Ozs	R410A / 58 Ozs	
Refrigerant Precharge (Sufficient For Line Length)	Ft.	25	25	25	25	
Additional Charge for Each Additional Ft.	Ozs.	0.16	0.16	0.16	0.32	
Design Pressure (Indoor / Outdoor)	PSIG	550 / 340 PSIG	550 / 340 PSIG	550 / 340 PSIG	550 / 340 PSIG	
Refrigerant Piping	Liquid Side/ Gas Side (OD)	mm	Φ 6.35 / Φ 9.52	Φ 6.35 / Φ 12.7	Φ 6.35 / Φ 12.7	Φ 9.52 / Φ 15.9 (Indoor) Φ 6.35 / Φ 12.7 (Outdoor) (Special Adaptors Supplied)
		Inch	Φ 1/4" / Φ 3/8"	Φ 1/4" / Φ 1/2"	Φ 1/4" / Φ 1/2"	Φ 3/8" / Φ 5/8" (Indoor) Φ 1/4" / Φ 1/2" (Outdoor) (Special Adaptors Supplied)
	Max. Refrigerant Pipe Length	m	25	25	25	30
		Ft.	82	82	82	98
		m	10	10	10	20
Max. Difference in Level	Ft.	33	33	33	66	
					82	
Connection Wiring		16AWG x 4 (Stranded)	16AWG x 4 (Stranded)	16AWG x 4 (Stranded)	16AWG x 4 (Stranded)	16AWG x 4 (Stranded)
Thermostat Type		IR Remote Control	IR Remote Control	IR Remote Control	IR Remote Control	IR Remote Control
Operational Temperature Range	Indoor Temperature Range	°C	17~30	17~30	17~30	17~30
		° F	62~86	62~86	62~86	62~86
	Outdoor Temperature Range (Cooling / Heating)	°C	0~50 / -15~30	0~50 / -15~30	0~50 / -15~30	0~50 / -15~30
		° F	32~122 / 5~86	32~122 / 5~86	32~122 / 5~86	32~122 / 5~86
Suitable Application Area	m2	18 ~ 28	28 ~ 37	28 ~ 37	37 ~ 56	
	Sq. Ft	200 ~ 300	300 ~ 400	300 ~ 400	400 ~ 600	

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