

PIONEER®

Air Conditioning & Heat Pump Systems

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

WYB-16

14.5~17.5 SEER SPECIFICATIONS

High Efficiency DC Inverter Heat Pump
Ductless Wall Mount Split Systems
Single Zone (9,000 through 36,000 BTU/Hr.)



Mod. 009



Mod. 012



Mod. 018-024



Mod. 030-036



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:

- G : 208~230/1/60 (All)

AVAILABLE REFRIGERANTS:

- F : R410A



**16 SEER FAMILY
High Efficiency Plus
DC INVERTERS**



Mod. 009-012

Mod. 018-024

Mod. 030

Mod. 036



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
- FULL ABS PLASTIC CASING FOR INDOOR UNITS
- REMOVABLE FLIP OPEN STYLE FLAT PANEL 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 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-16 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			WYB09GMF16RL (Code:2T0032300918)	WYB012GMF16RL (Code:2T0032500729)	WYB018GMF16RL (Code:2T0032800711)	WYB024GMF16RL (Code:2T0032900573)	WYB030GMF16RL (Code:2T0033100129)	WYB036GMF16RL (Code:2T0033100128)	
Indoor Unit Model Number			WB009GMF16HLD (Code:220032309720)	WB012GMF16HLD (Code:220032508000)	WB018GMF16HLD (Code:220032806840)	WB024GMF16HLD (Code:220032905890)	WB030GMF16HLD (Code:220033101400)	WB036GMF16HLD (Code:220033101390)	
Outdoor Unit Model Number			YN009GMF16RPD (Code:220037306960)	YN012GMF16RPD (Code:220037506440)	YN018GMF16RPD (Code:220037803210)	YN024GMF16RPD (Code:220038003290)	YN030GMF16RPD (Code:220038101310)	YN036GMF16RPD (Code:220038101300)	
Power supply			Ph-V-Hz 208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	
Cooling	Nominal Capacity	Btu/h	9000	12000	18000	24000	30000	36000	
	Min. and Max. Capacity Range	Btu/h	4300 ~ 15300	5950 ~ 17900	7100 ~ 20800	11100 ~ 29900	15500 ~ 44800	17540 ~ 54000	
	Nominal Input	W	737	999	1499	2490	2931	4000	
	Rated current	A	3.20	4.34	6.52	10.83	13.10	17.80	
	SEER	Btu/w	16.4	17.2	17.5	16.0	16.0	14.5	
	EER	Btu/w	12.2	12.0	12.0	9.2	10.0	8.8	
Heating	Nominal Capacity	Btu/h	10700	13000	18900	24000	30000	36000	
	Min. and Max. Capacity Range	Btu/h	4800 ~ 17300	6200 ~ 13900	7200 ~ 23800	11200 ~ 32500	14300 ~ 49000	16540 ~ 55400	
	Nominal Input	W	891	1108	1720	2424	2424	3400	
	Rated current	A	3.87	4.82	4.78	10.54	11.00	15.20	
	HSPF4	Btu/w	9.6	9.6	9.0	9.0	9.6	9.0	
	COP	Btu/w	12.0	11.7	11.0	9.5	12.3	10.2	
MINIMUM CIRCUIT AMPACITY			A	8	8	14	15	16	20
MAX.FUSE			A	15	15	20	20	25	30
Moisture Removal			l/h	1.0	1.2	1.8	2.5	3.2	4.0
			Pints/Day	50	60	90	125	160	200
Compressor	Model		ASN108D22UEZ	ASN108D22UEZ	DA150S1C-20FZ	DA150S1C-20FZ	DA250S2C-30MT	TNB306FPGMCC-L	
	Type		ROTARY	ROTARY	Twin-rotary	ROTARY	Twin-rotary	Twin-rotary	
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC	mitsubishi	
Indoor fan motor	Model		Shibaura	Shibaura	Shibaura	Shibaura	Welling	Welling	
	Brand		20(Output)	30(Output)	58(Output)	58(Output)	113/87/68	113/87/68	
	Power	W	0.1	0.1	0.2	0.2	0.5	0.8	
	Speed Control		PG Motor / SCR Control	PG Motor / SCR Control	PG Motor / SCR Control	PG Motor / SCR Control	PSC Motor / 3 Speed	PSC Motor / 3 Speed	
	RLA	A	/	/	/	/	0.80	0.80	
	LRA	A	/	/	/	/	0.80	0.80	
	Winding Resistance	Ω	/	/	/	/	81/75.5	81/75.5	
	Capacitor	uF	---	---	---	---	3.0	3.0	
Indoor air flow (Hi / Md / Lo)	r/min		1150 / 1000 / 800	1130 / 1040 / 940	1150 / 1050 / 900	1150 / 1050 / 900	1260 / 1090 / 950	1260 / 1090 / 950	
	m3/h		650 / 560 / 450	800 / 740 / 660	1120 / 1020 / 880	1120 / 1020 / 880	1650 / 1430 / 1250	1650 / 1430 / 1250	
	CFM		380 / 330 / 265	470 / 435 / 390	660 / 605 / 520	660 / 605 / 520	970 / 840 / 740	970 / 840 / 740	
Indoor noise level (Hi / Md / Lo)			dB(A)	41 / 37 / 31	42 / 40 / 36	49 / 47 / 42	49 / 47 / 42	50 / 47 / 43	50 / 46 / 42
Indoor unit	Unit Net Dimensions (W*D*H)	mm	790 x 198 x 265	920 x 223 x 292	998 x 240 x 322	998 x 240 x 322	1445 x 277 x 340	1445 x 277 x 340	
	Unit Net Dimensions (W*D*H)	Inch	31"-1/8 x 7"-3/4 x 10"-3/8	36"-1/4 x 8"-3/4 x 11"-1/2	39"-1/4 x 9"-1/2 x 12"-5/8	39"-1/4 x 9"-1/2 x 12"-5/8	56"-7/8 x 10"-7/8 x 13"-3/8	56"-7/8 x 10"-7/8 x 13"-3/8	
	Packing Dimensions (W*D*H)	mm	875 x 265 x 335	1015 x 295 x 368	1080 x 400 x 320	1080 x 400 x 320	1530 x 420 x 365	1530 x 420 x 365	
	Packing Packing (W*D*H)	Inch	34"-1/2 x 10"-3/8 x 13"-1/4	40" x 11"-5/8 x 14"-1/2	42"-1/2 x 15"-3/4 x 12"-5/8	42"-1/2 x 15"-3/4 x 12"-5/8	60"-1/4 x 16"-1/2 x 14"-3/8	60"-1/4 x 16"-1/2 x 14"-3/8	
	Net / Gross Weight	Kg	7.7 / 9.6	10.5 / 13.4	12.3 / 15.9	12.3 / 15.9	24 / 32	24 / 32	
	Net / Gross Weight	Lbs.	17 / 21	23 / 29.5	27 / 35	27 / 35	53 / 71	53 / 71	
Outdoor fan motor	Model		YDK24-6GB	YDK24-6GB	YDK53-6FB	YDK53-6FB(B)	YDK53-6NB	YDK180-8GB	
	Brand		Welling	Welling	Welling	Welling	Welling	Welling	
	Power	W	75/66	75/66	166/105	136/130	157.3/93.8	299/223	
	RLA	A	0.3	0.4	0.7	0.5	0.8	1.4	
Outdoor air flow	r/min		940 / -- / 835	940 / -- / 835	800 / -- / 600	930 / -- / 830	790 / -- / 540	750 / -- / 615	
	m3/h		1800	2200	2500	2700	3500	3800	
	CFM		1060	1290	1470	1590	2060	2240	
Outdoor noise level			dB(A)	53	55	59	62	59	65
Outdoor unit	Unit Net Dimensions (W*D*H)	mm	760 x 285 x 590	760 x 285 x 590	845 x 320 x 700	845 x 320 x 700	900 x 315 x 860	990 x 345 x 965	
	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	33"-1/4 x 12"-5/8 x 27"-1/2	33"-1/4 x 12"-5/8 x 27"-1/2	35"-3/8 x 12"-3/8 x 33"-7/8	39" x 13-5/8 x 38	
	Packing Dimensions (W*D*H)	mm	887 x 355 x 645	887 x 355 x 645	965 x 395 x 755	965 x 395 x 755	1043 x 395 x 915	1120 x 435 x 1100	
	Packing Packing (W*D*H)	Inch	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	38 x 15"-1/2 x 29"-3/4	41" x 15"-1/2 x 36"	44"-1/8 x 17"-1/8 x 43"-3/8	
	Net / Gross Weight	Kg	32.5 / 34.9	32.7 / 35.1	46.5 / 49.8	46.5 / 49.8	71 / 75	76 / 87	
	Net / Gross Weight	Lbs.	72 / 77	72 / 78	103 / 110	103 / 110	156.53/165.35	168 / 192	
Refrigerant type			g	R410A / 1100	R410A / 1250	R410A / 1660	R410A / 1950	R410A / 2550g	R410A / 2750g
Refrigerant type			Ozs	R410A / 39	R410A / 44	R410A / 59	R410A / 69	R410A / 90	R410A / 97
Refrigerant Precharge (Sufficient For Line Length)			Ft.	25	25	25	25	25	25
Additional Charge for Each Additional Ft.			Ozs.	0.16	0.16	0.32	0.32	0.32	0.32
Design Pressure (Indoor / Outdoor)			PSIG	550/340 PSIG	550/340 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 9.52 / Φ 15.9	Φ 9.52 / Φ 15.9	Φ 9.52 / Φ 15.9	Φ 9.52 / Φ 15.9	
		Inch	Φ 1/4" / Φ 3/8"	Φ 1/4" / Φ 1/2"	Φ 3/8" / Φ 5/8"	Φ 3/8" / Φ 5/8"	Φ 3/8" / Φ 5/8"	Φ 3/8" / Φ 5/8"	
	Max. Refrigerant Pipe Length	m	25	25	30	30	50	65	
		Ft.	82	82	98	98	164	213	
		m	10	10	20	20	25	30	
Max. Difference in Level	Ft.	33	33	66	66	82	98		
Connection Wiring				16AWG x 4 (Stranded)	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 (Cooling / Heating)	°C	17~30	17~30	17~30	17~30	17~30	17~30	
		°F	62~86	62~86	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	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	32~122 / 5~86	32~122 / 5~86	
Suitable Application Area			m2	18 ~ 28	28 ~ 37	37 ~ 56	56 ~ 74	74 ~ 94	94 ~ 112
			Sq. Ft	200 ~ 300	300 ~ 400	400 ~ 600	600 ~ 800	800 ~ 1000	1000 ~ 1200

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.