

PIONEER®

Air Conditioning & Heat Pump Systems

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

WYS-17

16.0~18.0 SEER SPECIFICATIONS

Ultra High Efficiency, DC Inverter + Heat Pump

Ductless Wall Mount Split Systems

Single Zone (9,000 through 36,000 BTU/Hr.)

PIONEER®
The Conditioning & Heat Pump Systems

WYS-17 Series Product Line Up

PARKER DAVIS HVAC SYSTEMS, INC.
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Web Site: www.pd-hvac.com - email: info@pd-hvac.com



AVAILABLE VOLTAGES:

- A : 110~120/1/60 (009-012)
- G : 208~230/1/60 (009-036)

AVAILABLE REFRIGERANTS:

- F : R410A

ACCESSORIES:

- PIPING AND WIRING KIT
- CONDENSER STAND KIT
- ACRYLIC COLOR PANELS
- WIFI CLOUD PROGRAMMING
- LOW HEAT (ANTIFROST MODE)
- 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)



17 SEER FAMILY
High Efficiency
DC INVERTERS

AIR CERTIFIED™
www.airdirectory.org



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
- 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 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 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
- EFFICIENT, PERMANENTLY LUBRICATED EC/DC 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

System Model Number (S Series, 17 SEER Family)		WYS009AMF17RL	WYS12AMF17RL	WYS09GMF17RL	WYS012GMF17RL	WYS018GMF17RL	WYS024GMF17RL	WYS030GMF17RL	WYS036GMF17RL	
System Product Code		22022010003693	22022010003692	22022010003536	22022010003535	22022010003534	22022010003552	22022010003572	22022010003573	
Indoor Model Number		WS009AMF17HLD	WS012AMF17HLD	WS009GMF17HLD	WS012GMF17HLD	WS018GMF17HLD	WS024GMF17HLD	WS030GMF17HLD	WS036GMF17HLD	
Indoor Product Code		22022011004199	22022011004198	22022011004062	22022011004061	22022011004060	22022011004078	22022011004098	22022011004099	
Outdoor Model Number		YN009AMF17RPD	YN012AMF17RPD	YN009GMF17RPD	YN012GMF17RPD	YN018GMF17RPD	YN024GMF17RPD	YN030GMF17RPD	YN036GMF17RPD	
Outdoor Product Code		22022016005199	22022016005198	22022016005083	22022016005082	22022016005081	22022016005099	22022016005119	22022016005120	
Power supply		Ph-V-Hz	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	
Cooling	Capacity (Range, Min-Max)	BTU/h	9000 (3780-11520)	12000 (4560-16680)	9000 (3780-11520)	12000 (4560-16680)	18000 (7560-24101)	24000 (7421-31050)	30000 (12300-42900)	36000 (15480-48960)
	Input (Range, Min-Max)	Watt	782 (292-1087)	1200 (504-1668)	900 (351-1251)	1090 (415-1548)	1635 (736-2256)	2525 (980-3601)	2857 (1120-3971)	4235 (1736-5889)
	Rated Current	A	6.8	10.4	4.0	4.8	7.2	11.2	18.5	28.5
	EER	W/W	11.5	10.5	11.5	11	11	9.5	10.5	8.5
	SEER	BTU/W	17	17.2	17	17.5	17.7	16	16	16
Heating	Capacity (Range, Min-Max)	BTU/h	9500 (4231-12031)	12000 (4560-16680)	9800 (4250-11980)	11800 (4426-16543)	18000 (7560-24101)	25000 (7820-31240)	30000 (12300-42900)	36000 (15480-48960)
	Input (Range, Min-Max)	W	925 (335-1102)	1135 (498-16601)	900 (351-1251)	1035 (401-1521)	1935 (821-2305)	2425 (965-3521)	3110 (1362-4125)	3835 (1426-5621)
	Rated current	A	8.0	9.9	4.0	4.5	8.5	10.7	13.5	16.7
	COP	W/W	3.0	3.1	3.2	3.3	2.7	3.0	2.8	2.8
	HSPF4	BTU/h	9	9	9	9	9.8	9	9.6	10
	HSPF5	BTU/h	7.6	7.5	7.3	7.5	8.2	7.2	8.1	8.4
MINIMUM CIRCUIT AMPACITY	A	15	15	15	15	15	20	25	25	
MAX.FUSE	A	15	20	15	15	20	25	30	35	
Moisture Removal	L/h		1.2	1	1.2	1.8	2.4	3.0	3.5	
	Pint/Day		50	60	50	60	90	120	180	
Compressor	Model		ASN98D22UFZ	ASN98D22UFZ	ASN98D22UFZ	ASN98D22UFZ	ASM13SD23UFZ	ATF23SD22UMT	ATF25D22UMT	ATF25D22UMT
	Type		ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Capacity	BTU/h	10014	10014	10014	10014	13836	24344	25760	25760
	Input	W	748	748	748	748	1035	1970	2070	2070
Refrigerant Oil Type		ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	
Refrigerant Oil / Oil Charge	ml (Oz)		370 (12.5)	370 (12.5)	370 (12.5)	370 (12.5)	450 (15.2)	670 (22.6)	670 (22.6)	670 (22.6)
Indoor Fan Motor	Model		ZKFP-20-8-5	ZKFP-20-8-5	ZKFP-20-8-6	ZKFP-20-8-6	ZKFP-30-8-3	ZKFP-38-8-1	ZKFP-58-8-1	ZKFP-58-8-1
	Brand		Welling	Welling	Welling	Welling	Welling	Welling	Welling	Welling
	Power	W	20(Output)	20(Output)	20(Output)	20(Output)	30(Output)	58(Output)	58(Output)	58(Output)
	Speed (Hi / Md / Lo)	r / min	1050 / 850 / 650	1050 / 850 / 650	1050 / 850 / 650	1050 / 850 / 650	1100 / 900 / 700	1200 / 1050 / 950	1200 / 1050 / 750	1200 / 1050 / 750
Indoor Air Flow (Hi / Md / Lo)	m ³ / h		420 / 300 / 220	500/360/240	420/310/210	500/350/240	660/450/380	1000/780/600	1350/1050/800	1450/1100/800
	CFM		247 / 176 / 129	294/211/141	247/182/124	294/206/141	388/265/224	589/459/353	795/618/471	853/647/471
Indoor Noise Level (Hi / Lo)	dB(A)		39 / 24.5	40.5 / 24	36 / 23	40.5 / 25	45 / 29	45.5 / 33	52.5 / 44.5	54.5 / 38.5
Indoor unit	Dimension(W*D"H)	mm	722 x 187 x 290	802 x 189 x 297	722 x 187 x 290	802 x 189 x 297	965 x 215 x 319	1080 x 226 x 335	1259 x 282 x 362	1259 x 282 x 362
	Dimension(W*D"H)	In.	28"-1/2 x 7"-3/8 x 11"-3/8	31"-1/2 x 7"-3/8 x 11"-5/8	28"-1/2 x 7"-3/8 x 11"-3/8	31"-1/2 x 7"-3/8 x 11"-5/8	38" x 8"-1/2 x 12"-1/2	42"-1/2 x 8"-7/8 x 13"-1/8	49"-1/2 x 11"-1/8 x 14"-1/4	49"-1/2 x 11"-1/8 x 14"-1/4
	Packing (W*D"H)	mm	790 x 270 x 370	875 x 285 x 375	790 x 270 x 370	875 x 285 x 375	1045 X 305 X 405	1155 x 315 x 415	1340 x 450 x 380	1340 x 450 x 380
	Packing (W*D"H)	In.	31"-1/8 x 10"-5/8 x 14"-5/8	34"-1/2 x 11"-1/4 x 14"-3/4	31"-1/8 x 10"-5/8 x 14"-5/8	34"-1/2 x 11"-1/4 x 14"-3/4	41"-1/8 x 12" x 16"	45"-1/2 x 12"-3/8 x 16"-3/8	52"-3/4 x 17"-3/4 x 15	52"-3/4 x 17"-3/4 x 15
	Net/Gross weight	Kg	7.5 / 9.5	8.5 / 10.2	7.5 / 9.5	8.5 / 10.2	11.8 / 15.5	13.2 / 16.8	19.6 / 25.2	19.6 / 25.2
Net/Gross weight	Lbs	16.5 / 21	18.5 / 22.5	16.5 / 21	18.5 / 22.5	26.0 / 34	29 / 37	43 / 55.5	43 / 55.5	
Outdoor fan motor	Model		YKT-32-6-202L	YKT-32-6-202L	YKT-32-6-3L	YKT-32-6-3L	YKT-48-6-206	YKT-63-6-200L	ZKFN-120-8-2	ZKFN-120-8-2
	Power	W	32 (Output)	32 (Output)	32 (Output)	32 (Output)	48 (Output)	63 (Output)	120 (Output)	120 (Output)
Outdoor Air Flow	m ³ / h		1800	1900	1800	1900	2500	2700	4300	5000
Outdoor Air Flow	CFM		1060	1120	1060	1120	1470	1590	2530	2943
Outdoor Noise Level (High Speed)	dB(A)		56	54	57	57	57.5	59	62	63
Outdoor Unit	Dimension (W*D"H)	mm	770 x 300 x 555	770 x 300 x 555	770 x 300 x 555	770 x 300 x 555	770 x 300 x 555	845 x 363 x 702	946 x 420 x 810	946 x 420 x 810
	Dimension (W*D"H)	In.	30"-3/8 x 11"-7/8 x 21"-7/8	30"-3/8 x 11"-7/8 x 21"-7/8	30"-3/8 x 11"-7/8 x 21"-7/8	30"-3/8 x 11"-7/8 x 21"-7/8	30"-3/8 x 11"-7/8 x 21"-7/8	33"-1/4 x 14"-3/8 x 27"-5/8	37"-1/4 x 16"-1/2 x 31"-7/8	37"-1/4 x 16"-1/2 x 31"-7/8
	Packing (W*D"H)	mm	900 x 345 x 585	900 x 345 x 585	900 x 345 x 585	900 x 345 x 585	900 x 345 x 585	965 x 395 x 755	1090 x 500 x 865	1090 x 500 x 865
	Packing (W*D"H)	In.	35"-3/8 x 13"-5/8 x 23"	35"-3/8 x 13"-5/8 x 23"	35"-3/8 x 13"-5/8 x 23"	35"-3/8 x 13"-5/8 x 23"	35"-3/8 x 13"-5/8 x 23"	38" x 15"-1/2 x 29"-3/4	42"-7/8 x 19"-5/8 x 34"	42"-7/8 x 19"-5/8 x 34"
	Net / Gross Weight	Kg	29 / 31.5	29.5 / 32	29 / 31.5	29.5 / 32	36.5/39.5	62/66.8	62.5/67	65/69.5
Net / Gross Weight	Lbs.	64 / 69	65.0 / 70.5	64 / 69	65 / 70.5	80.5 / 87	136.5 / 147	138.5 / 148	143 / 153	
Refrigerant Type	g		R410A / 799g	R410A / 961g	R410A / 799g	R410A / 961g	R410A / 1500g	R410A / 1800g	R410A / 2750g	R410A / 3399g
	Ozs		R410A / 28.2	R410A / 33.9	R410A / 28.2	R410A / 33.9	R410A / 52.9	R410A / 63.5	R410A / 97.0	R410A / 119.9
Refrigerant Precharge for Tubing Length	Fl.		25	25	25	25	25	25	25	
Additional Charge for Each Additional Feet	Ozs		0.16	0.16	0.16	0.16	0.16	0.32	0.32	
Design Test Pressure	MP (PSIG)		550 / 340 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	mm (in.)	Φ6.35 / Φ6.52 (1/4" / 3/8")	Φ6.35 / Φ12.7 (1/4" / 1/2")	Φ6.35 / Φ6.52 (1/4" / 3/8")	Φ6.35 / Φ12.7 (1/4" / 1/2")	Φ6.35 / Φ12.7 (1/4" / 1/2")	Φ6.52 / Φ15.9 (3/8" / 5/8")	Φ6.52 / Φ15.9 (3/8" / 5/8")	Φ6.52 / Φ15.9 (3/8" / 5/8")
	Max. Piping Length	m	25	25	25	30	30	50	30	65
		FL	80	80	80	80	100	100	165	210
	Max Level Difference	m	10	10	10	10	20	20	25	30
		FL	33	33	33	33	65	65	80	100
Connection Wiring			16AWG*4 Stranded, Unshielded	16AWG*4 Stranded, Unshielded	16AWG*4 Stranded, Unshielded	16AWG*4 Stranded, Unshielded	16AWG*4 Stranded, Unshielded	16AWG*4 Stranded, Unshielded	16AWG*4 Stranded, Unshielded	
System Controller			Digital Wireless	Digital Wireless	Digital Wireless	Digital Wireless	Digital Wireless	Digital Wireless	Digital Wireless	
Operation Temperature Range	Indoor Temperature Setting (Cooling / Heating)	°C	17 ~ 32	17 ~ 32	17 ~ 32	17 ~ 32	17 ~ 32	17 ~ 32	17 ~ 32	
		°F	62 ~ 90	62 ~ 90	62 ~ 90	62 ~ 90	62 ~ 90	62 ~ 90	62 ~ 90	
	Frost Prevention Mode / Indoor Low Heat Setting	°C	8	8	8	8	8	8	8	
		°F	46	46	46	46	46	46	46	
Outdoor Ambient 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	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	32 ~ 122 / 5 ~ 86	32 ~ 122 / 5 ~ 86	
Recommended Application Area (Est.)	m ²		18 ~ 28	18 ~ 28	18 ~ 28	18 ~ 28	37 ~ 56	56 ~ 74	74 ~ 93	
	Sq. Ft		200 ~ 300	300 ~ 400	200 ~ 300	300 ~ 400	400 ~ 600	600 ~ 800	800 ~ 1000	1000 ~ 1200
Loadable Quantity 20' /40' /40HQ	Sets		115 / 235 / 260	105 / 220 / 248	115 / 235 / 260	105 / 220 / 248	78 / 168 / 190	67 / 138 / 150	36 / 78 / 99	

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.