

PIONEER®

Air Conditioning & Heat Pump Systems

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

WYC-20

20.0~21.0 SEER SPECIFICATIONS

Ultra + High Efficiency DC Inverter Heat Pump

Ductless Wall Mount Split Systems

Single Zone (9,000 through 12,000 BTU/Hr.)

PIONEER®
Air Conditioning & Heat Pump Systems

WYC-20 Series Product Line Up

PARKER DAVIS HVAC SYSTEMS, INC.

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Mod. 009



Mod. 012

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)

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 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 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

System Model Number (C Series, 20 SEER Family)			WYC009AMFI20RL	WYC012AMFI20RL
System Product Code			22022010001222	22022010000328
Indoor Model Number			WC009AMFI20HLD	WC012AMFI20HLD
Indoor Product Code			22022011001679	22022011001262
Outdoor Model Number			YN009AMFI20RPD	YN012AMFI20RPD
Outdoor Product Code			22022016003692	22022016002097
Power supply		Ph-V-Hz	115V-60Hz, 1Ph	115V-60Hz, 1Ph
Cooling	Capacity	BTU/h	9000	12000
	Input	Watt	665	920
	Rated current	A	5.8	8.0
	EER	W/W	13.5	13
	SEER	BTU/W	21	20
Heating	Capacity	BTU/h	9500	12000
	Input	W	825	1090
	Rated current	A	7.2	9.5
	COP	W/W	3.37	3.22
	HSPF4	BTU/h	10	9.6
	HSPF5	BTU/h	8	8
MINIMUM CIRCUIT AMPACITY		A	15.0	15.0
MAX.FUSE		A	20.0	25.0
Moisture Removal		L/h	1	1.2
		Pint/Day	50	60
Compressor	Model		ASN98D22UEZ	ASM108D1UFZA
	Type		ROTARY	ROTARY
	Brand		GMCC	GMCC
	Capacity	BTU/h	9878	11178
	Input	W	742	840
	Refrigerant Oil Type		Ester Oil VG74	ESTER OIL VG74
	Refrigerant Oil / Oil Charge	ml (Oz)	370 (12.5)	370 (12.5)
Indoor Fan Motor	Model		WZDK20-38M	WZDK20-38M
	Brand		Shibaura	Shibaura
	Power	W	20 (Output)	20 (Output)
	Speed (Hi / Md / Lo)	r / min	1200 / 1050 / 800	1250 / 1050 / 800
Indoor Air Flow (Hi / Md / Lo)		m3 / h	610 / 530 / 400	625 / 525 / 400
		CFM	360 / 310 / 235	370 / 310 / 235
Indoor Noise Level (Hi / Lo)		dB(A)	42.4 / 36 / 29.7	43.6 / 36.1 / 28.6
Indoor unit	Dimension(W*D*H)	mm	800 x 188 x 275	800 x 188 x 275
	Dimension(W*D*H)	In.	31"-1/2 x 7"-3/8 x 10"-7/8	31"-1/2 x 7"-3/8 x 10"-7/8
	Packing (W*D*H)	mm	865 x 265 x 350	865 x 265 x 350
	Packing (W*D*H)	In.	34" x 10"-3/8 x 13"-3/4	34" x 10"-3/8 x 13"-3/4
	Net/Gross weight	Kg	7.3 / 9.4	7.5/9.3
	Net/Gross weight	Lbs	16 / 21	16.5 / 20.5
Outdoor fan motor	Model		WZDK35-38G	WZDK40-38G-1
	Brand		Panasonic	Shibaura
	Power	W	35(Output)	40(Output)
Outdoor Air Flow		m3 / h	1800	2000
Outdoor Air Flow		CFM	1060	1175
Outdoor Noise Level (High Speed)		dB(A)	57.5	55.4
Outdoor Unit	Dimension (W*D*H)	mm	780 x 250 x 540	810 x 310 x 558
	Dimension (W*D*H)	In.	30"-3/4 x 9"-7/8 x 21"-1/4	31"-7/8 x 12"-1/4 x 22"
	Packing (W*D*H)	mm	910 x 335 x 585	930 x 400 x 615
	Packing (W*D*H)	In.	35"-7/8 x 13"-1/4 x 23"	36"-5/8 x 15"-3/4 x 24"-1/4
	Net / Gross Weight	Kg	30 / 32.5	36 / 39
	Net / Gross Weight	Lbs.	66 / 71.5	79 / 85.5
Refrigerant Type		g	R410A / 1200g	R410A / 1150g
		Ozs	R410A / 42.3	R410A / 30.0
Refrigerant Precharge for Tubing Length		Ft.	25	25
Additional Charge for Each Additional Feet		Ozs	0.161	0.161
Design Test Pressure		MP (PSIG)	550 / 340 PSIG	550 / 340 PSIG
Refrigerant piping	Liquid Side/ Gas Side	mm (In.)	Φ6.35 / Φ9.52 (1/4" / 3/8")	Φ6.35 / Φ12.7 (1/4" / 1/2")
	Max. Piping Length	m	25	25
		Ft.	82	82
	Max Level Difference	m	10	10
Ft.		33	33	
Connection Wiring			16AWG*4 Stranded, Unshielded	16AWG*4 Stranded, Unshielded
System Controller			Digital Wireless	Digital Wireless
Operation Temperature Range	Indoor Temperature Setting (Cooling / Heating)	°C	17~32	17 ~ 32
		°F	62~90	62 ~ 90
	Frost Prevention Mode / Indoor Low Heat Setting	°C	8	8
		°F	46	46
	Outdoor Ambient Range (Cooling / Heating)	°C	0~50 / -15~30	0~50 / -15~30
		°F	32~122 / 5~86	32~122 / 5~86
Recommended Application Area (Est.)		m2	18 ~ 28	18 ~ 28
		Sq. Ft	200 ~ 300	300 ~ 400
Loadable Quantity 20' /40' /40'HQ		Sets	112 / 235 / 265	98 / 200 / 220

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.