

PIONEER®

Air Conditioning & Heat Pump Systems

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

WYQ-22

19.0~23.5 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



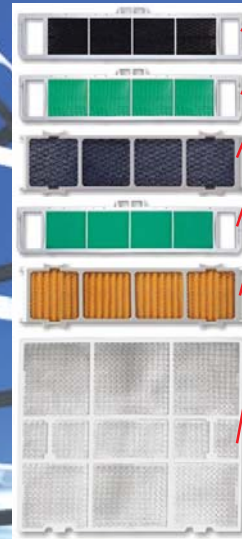
Mod. 009-012



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:

- G : 208~230/1/60 (009-024)

AVAILABLE REFRIGERANTS:

- F : R410A



22 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

PIONEER®
Air Conditioning & Heat Pump Systems

WYQ-22 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		WYQ009GMFI22RL (Code:2T0032300805)	WYQ012GMFI22RL (Code:2T0032500624)	WYQ018GMFI22RL (Code:2T0032800600)	WYQ024GMFI22RL (Code:2T0033000467)	
Indoor Unit Model Number		WQ009GMFI22HLD (Code:220032308590)	WQ012GMFI22HLD (Code:220032506930)	WQ018GMFI22HLD (Code:220032805730)	WQ024GMFI22HLD (Code:220033005030)	
Outdoor Unit Model Number		YN009GMFI22RPD (Code:220037306080)	YN012GMFI22RPD (Code:220037505540)	YN018GMFI22RPD (Code:220037804380)	YN024GMFI22RPD (Code:220038003780)	
Power supply		Ph-V-Hz	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph	208-230V~ 60Hz, 1Ph
Cooling	Nominal Capacity	Btu/h	9000	11500	17500	23000
	Min. and Max. Capacity Range	Btu/h	3950 ~ 10180	3830 ~ 12570	6320 ~ 18430	10100 ~ 25870
	Nominal Input	W	620	885	1400	1840
	Rated Current	A	2.90	4.05	6.49	8.40
	SEER	Btu/w	23.5	22.0	21.0	19.0
	EER	Btu/w	14.5	13.0	12.5	12.5
Heating	Capacity	Btu/h	11500	12000	18000	24000
	Min. and Max. Capacity Range	Btu/h	5700 ~ 11910	5640 ~ 11930	5620 ~ 18540	8060 ~ 24580
	Input	W	910	925	1440	2010
	Rated Current	A	4.16	4.22	6.66	9.14
	HSPF	Btu/w	10.0	10.0	9.5	9.0
	COP	Btu/w	12.6	13.0	12.5	12.0
MINIMUM CIRCUIT AMPACITY		A	7.5	7.5	13.0	15.0
MAX.FUSE		A	15	15	20	30
Moisture Removal		L/h	1.00	1.20	1.70	2.50
		Pints/Day	50	60	85	125
Compressor	Model		DA110S1C-30FZ	DA110S1C-30FZ	DA130M1C-31FZ	DA250S2C-30MT
	Type		ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC
	Capacity	Btu/h	11089	11089	13443	26238
	Input	W	850	850	1005	2120
	Rated Current (RLA)	A	4.45	4.45	3.95	8.85
	Thermal protector		1NT01L-4639 or KSD301	1NT01L-4639 or KSD301	----	----
	Thermal Protector Position		EXTERNAL	EXTERNAL	INTERNAL	INTERNAL
	Refrigerant Oil Type		ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74	ESTER OIL VG74
	Refrigerant Oil / Oil Charge	Ozs	17	17	16	28
ml		500	500	480	820	
Indoor Fan Motor	Model		WZDK20-38G	WZDK20-38G	WZDK58-38G	RPG50B
	Brand		Shibaura	Welling	Shibaura	Welling
	Power	W	20 (Output)	20 (Output)	58 (Output)	102
	Capacitor	uF	--	--	--	3.5
	Speed (Hi / Md / Lo)	r/min	1150 / 1000 / 700	1150 / 1000 / 700	1150 / 900 / 700	1250 / 1100 / 900
Indoor Air Flow (Hi / Md / Lo)	m3/h	750 / 650 / 450	750 / 650 / 450	1200 / 950 / 750	1450 / 1300 / 1050	
	CFM	440 / 380 / 265	440 / 380 / 265	705 / 560 / 440	855 / 765 / 620	
Indoor Noise Level (Hi / Md / Lo)	dB(A)	43 / 37 / 31	43 / 37 / 31	47 / 40 / 31	50 / 45 / 40	
Indoor unit	Unit Net Dimensions (W*D*H)	mm	835 x 198 x 280	835 x 198 x 280	990 x 218 x 315	1186 x 258 x 340
	Unit Net Dimensions (W*D*H)	Inch	32"-7/8 x 7"-3/4 x 11"	32"-7/8 x 7"-3/4 x 11"	39" x 8"-5/8 x 12"-3/8	46"-5/8 x 10"-1/8 x 13"-3/8
	Packing Dimensions (W*D*H)	mm	910 x 270 x 355	910 x 270 x 355	1065 x 300 x 400	1265 x 420 x 340
	Packing Dimensions (W*D*H)	Inch	35"-7/8 x 10"-5/8 x 14"	35"-7/8 x 10"-5/8 x 14"	41"-7/8 x 11"-3/4 x 15"-3/4	49"-3/4 x 16"-1/2 x 13"-3/8
	Net / Gross Weight	Kg	8 / 10	8.5 / 11	12 / 14	18.5 / 23
	Net / Gross Weight	Lbs.	17.5 / 22	18.5 / 24	26.5 / 31	41 / 50
Outdoor fan motor	Model		WZDK35-38G(H)	WZDK35-38G(H)	WZDK50-38G	WZDK72-38G
	Brand		Shibaura	Shibaura	PANASONIC	Panasonic
	Power	W	35 (Output)	35 (Output)	50 (Output)	72 (Output)
	Speed	r/min	850	850	750	850
Outdoor air flow	m3/h	1800	2000	2500	3500	
	CFM	1060	1180	1470	2060	
Outdoor noise level	dB(A)	54	54	60	60	
Outdoor unit	Unit Net Dimensions (W*D*H)	mm	760 x 285 x 590	760 x 285 x 590	845 x 320 x 700	900 x 315 x 860
	Unit Net Dimensions (W*D*H)	Inch	30" x 11"-1/4 x 23"-1/4	30" x 11"-1/4 x 23"-1/4	33"-1/4 x 12"-5/8 x 27"-1/2	35"-3/8 x 12"-3/8 x 33"-7/8
	Packing Dimensions (W*D*H)	mm	887 x 355 x 645	887 x 355 x 645	965 x 395 x 755	1043 x 395 x 915
	Packing Dimensions (W*D*H)	Inch	35" x 14" x 25"-3/8	35" x 14" x 25"-3/8	39" x 15"-1/2 x 29"-3/4	41" x 15"-1/2 x 36"
	Net / Gross Weight	Kg	33.5 / 35	33.5 / 35	46.5 / 50.5	59 / 63
	Net / Gross Weight	Lbs.	74 / 77	74 / 77	102 / 111	130 / 138
Refrigerant Type and Amount		g	R410A / 1250g	R410A / 1250g	R410A / 1900g	R410A / 2430g
		Ozs.	R410A / 44 Ozs	R410A / 44 Ozs	R410A / 67 Ozs	R410A / 87 Ozs.
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	Φ6.35 / Φ9.52	Φ6.35 / Φ12.7	Φ6.35 / Φ12.7	Φ9.52 / Φ15.9
		Inch	1/4" x 3/8"	1/4" x 1/2"	1/4" x 1/2"	3/8" x 5/8"
	Max. refrigerant pipe length	m	20	20	20	25
		Ft.	65	65	65	82
	Max. difference in level	m	8	8	8	10
		Ft.	26	26	26	33
Internal Connection Wiring			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
Operational Temperature Range	Indoor Temperature Setting Range	°C	17 ~ 30	17 ~ 30	17 ~ 30	17 ~ 30
		°F	62 ~ 86	62 ~ 86	62 ~ 86	62 ~ 86
	Outdoor Ambient 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	37 ~ 56	56 ~ 74
		Sq/ Ft.	200 ~ 300	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 laboratory tests, performed in accordance with the applicable AHRI Standards for Variable Speed Mini Split Single Zone Heat Pump Systems.