

# PIONEER®

*Air Conditioning & Heat Pump Systems*

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

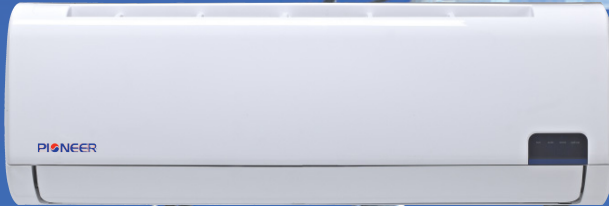
## WB/YM-GMF16

### DC INVERTER SPECIFICATIONS

16 S.E.E.R. Reverse Cycle Heat Pump  
Ductless Wall Mount Multi Split Systems  
MULTI ZONE (18,000, 27,000 and 36,000 BTU/Hr.)



Mod. 009



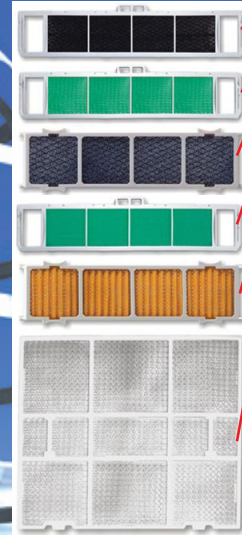
Mod. 012



Mod. 018



# INVERTER



**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



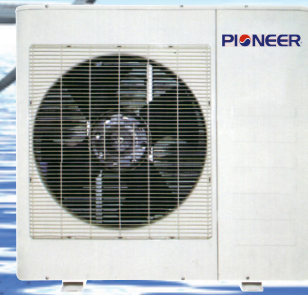
**DUO Model Combinations:**  
009+009, 009+012, 012+012

**TRIO Model Combinations:**  
009+012, 009+018, 012+012, 012+018,  
009+009+009, 009+009+012, 009+009+018  
009+012+012, 012+012+012, 012+012+018  
and more dual or triple combinations.

**QUAD Model Combinations:**  
009+012+018, 012+012+018, 012+018+018  
009+009+009+009, 009+009+012+012,  
009+009+009+018, 009+009+012+018  
009+012+018+018, 012+012+012+012,  
009+009+018+018, 012+012+018+018  
and more dual, triple or quad combinations.



Mod. 008-027 (Duo-Trio)



Mod. 036 (Quad)

#### 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 FLAT 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



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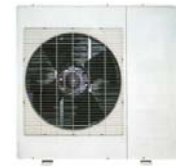
WB/YM-GMF16 Series Product Line Up

**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](http://www.pd-hvac.com) - email: [info@pd-hvac.com](mailto:info@pd-hvac.com)



Multi Outdoor Unit Model Number			YM018GMFI6R2AD	YM027GMFI6R2AD	YM036GMFI6R2AD
Power supply			Ph-V-Hz 1Ph, 230V~, 60Hz	1Ph, 230V~, 60Hz	1Ph, 230V~, 60Hz
MAX. CAPACITY	Cooling	Btu/h	18000	27000	36000
	Heating	Btu/h	19000	26000	38000
MINIMUM CIRCUIT AMPACITY		A	11.4	14.0	15.4
MAX.FUSE		A	15.0	20.0	20.0
Cooling Efficiency		S.E.E.R.	16.0	16.0	16.0
Compressor	Model		DA130S1C-20FZ	DA150S1C-20FZ	TNB306FPGMC-L
	Type		Rotary	ROTARY	ROTARY
	Brand		GMCC	GMCC	mitsubishi
Outdoor fan motor	Model		YDK70-6FB	YDK70-6FB	YDK180-8GB
	Brand		Welling	Welling	Welling
	Input	W	166/105	166/105	299/223
	Capacitor	uF	3	3	10
	Speed	r/min	800/600	800/600	750 / - / 615
Outdoor coil	a.Number of rows		1.5	2	2
	b.Tube pitch(a)x row pitch(b)	mm (In)	21x13.37 (7/8"x1/2")	21x13.37 (7/8"x1/2")	22x19.05 (7/8"x3/4")
	c.Fin spacing	mm (FPI)	1.4 (18)	1.4 (18)	1.5 (17)
	d.Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	e.Tube outside dia.and type	mm	Φ7, innergroove tube	Φ7, innergroove tube	Φ7.94,inner groove tube
	f.Coil length x height x width	mm	785x651x13.37 + 461x651x13.37 (31"x25-5/8"x1/2" + 18-1/8+25-	779x651x26.74 (30-5/8"x25-5/8"x1-1/8")	895x902x38.1 (35 1/4"x35-1/2"x1-1/2")
	g.Number of circuits		4	4	8
Outdoor air flow		m3/h (CFM)	2500 (1475)	2500 (1475)	3800 (2235)
Outdoor noise level		dB(A)	53	55	61
Outdoor unit	Dimension (W*D*H)	mm (In)	845x320x700 (33-1/4"x12-5/8"x27-5/8")	845x320x700 (33-1/4"x12-5/8"x27-5/8")	990x345x965 (39"x13-5/8"x38")
	Packing (W*D*H)	mm (In)	965x395x755 (38"x15-1/2"x29-1/4")	965x395x755 (38"x15-1/2"x29-1/4")	1120x435x1100 (44"x17-1/8"x43-1/4")
	Net/Gross weight	Kg (Lbs)	53.5/57 (118/125)	57/60.5 (125/132)	86 / 90
Refrigerant type		g (Ozs)	R410A/1450g (26)	R410A/2000g (35)	R410A/2700g (48)
Design pressure		Mpa (Psig)	3.80/2/35 (550/340)	3.80/2/35 (550/340)	3.80/2/35 (550/340)
Refrigerant piping	Liquid side/ Gas side	mm (in)	2 X φ6.35/φ9.52 (1/4"/3/8")	3 X φ6.35/φ9.52 (1/4"/3/8")	4 X φ6.35/φ9.52 (1/4"/3/8")
	Max. refrigerant pipe length (each indoor unit)	m (Ft)	20 (65)	20 (65)	20 (65)
	Max. difference in level (each indoor unit)	m (Ft)	8 (26)	8 (26)	8 (26)
Thermostat type			Remote control	Remote control	Remote control
Operation temp		°C (F)	17 / 30 (63 / 86)	17 / 30 (63 / 86)	17 / 30 (63 / 86)
Ambient temp (cooling/heating)		°C (F)	0~50 / -15~34 (32~122 / 5~93)	0~50 / -15~34 (32~122 / 5~93)	0~50 / -15~34 (32~122 / 5~93)



Matching Indoor Unit Model Number			WB009GMFIOBAL3	WB012GMFIOBAL3	WB018GMFIOBAL3
Power supply			Ph-V-Hz 230V~ 60Hz, 1Ph	230V~ 60Hz, 1Ph	230V~ 60Hz, 1Ph
Cooling	Capacity	Btu/h	9000	12000	18000
	Input	W	36	40	53
	Rated current	A	0.2	0.2	0.3
	SEER		16.0	16.0	16.0
Heating	Capacity	Btu/h	9800	12700	18900
	Input	W	36	40	53
	Rated current	A	0.2	0.2	0.3
	HSPF		9.0	9.1	8.8
Indoor fan motor	Model		RPG20B	RPG20B	RPG28H
	Brand		Welling	Welling	Welling
	Input	W	43	43	58.5
	Capacitor	uF	1.2	1.5	1.5
	Speed(Hi/Mi/Lo)	r/min	1150/950/800	1150/1000/850	1130/1040/940
Indoor coil	a.Number of rows		2	2	2
	b.Tube pitch(a)x row pitch(b)	mm (In)	21x13.37 (7/8"x1/2")	21x13.37 (7/8"x1/2")	21x13.37 (7/8"x1/2")
	c.Fin spacing	mm (FPI)	1.3 (20)	1.3 (20)	1.3 (20)
	d.Fin type (code)		Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
	e.Tube outside dia.and type	mm	Φ7, innergroove tube	Φ7, innergroove tube	Φ7, innergroove tube
	f.Coil length x height x width	mm (In)	538x252x26.74 (21-1/4"x10"x1")	637x294x26.74 (25"x11-5/8"x1")	755x336x26.74 (29-3/4"x13-1/4"x1")
	g.Number of circuits		2	2	4
Indoor air flow (Hi/Mi/Lo)		m3/h (CFM)	450/370/320 (265/220/190)	570/500/420 (335/295/250)	880/820/730 (520/485/430)
Indoor noise level (Hi/Mi/Lo)		dB(A)	35/30/25	37/32/27	42/37/34
Indoor unit	Dimension(W*D*H)	mm (In)	710x190x250 (28"x7-1/2"x10")	790x198x265 (31-1/8"x7-1/8"x10-1/2")	920x223x292 (36-1/4"x8-3/4"x11-1/2")
	Packing (W*D*H)	mm (In)	770x265x318 (30-3/8"x10-1/2"x12-1/2")	875x265x335 (34-1/2"x10-1/2"x13-1/4")	1015x295x368 (40"x11-5/8"x16-3/8")
	Net/Gross weight	Kg (Lbs)	8 / 9.5 (18 / 21)	9 / 11 (20 / 24)	11.5 / 15 (26 / 33)
	Liquid side/ Gas side	mm (In)	Φ6.35 / Φ9.52 (1/4" / 3/8")	Φ6.35 / Φ12.7 (1/4" / 1/2")	Φ6.35 / Φ12.7 (1/4" / 1/2")
Thermostat type			Remote Control	Remote Control	Remote Control

NOMINAL CAPACITIES ARE BASED ON ARI CONDITIONS @ 95° F. O.A., 80° F. DB, 67° F. WB. FOR COOLING AND @ 47° F. O.A., 70° F. DB, 60° F. WB. FOR HEAT PUMP APPLICATION. CONTINUING ENGINEERING RESEARCH RESULTS IN STEADY IMPROVEMENTS. THEREFORE, THESE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALWAYS CONSULT EQUIPMENT NAMEPLATE FOR EXACT ELECTRICAL REQUIREMENTS.