

# PIONEER®

## Air Conditioning & Heat Pump Systems

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

### WAM / WYM SPECIFICATIONS

(WAM Cool Only, WYM Heat Pump)

### Ductless Wall Mount Split Systems

Single & Multi Zone ( 9,000 through 27,000 BTU/Hr.)



009, 010 Models



013 Model



018, 020 Models



024, 027 Models



009 Model



010, 013, 018 Models



020, 024, 027 Models



#### OPTIONAL ACCESSORIES:

- PIPING AND WIRING KIT
- CONDENSER STAND KIT
- LINE COVER KIT
- ACTIVE CHARCOAL FILTER (For Deodorizing)
- PHOTO CATALYZER FILTER (Anti Biotic and odor Remover)
- CATECHIN FILTER (Anti Viral Air Treatment)
- ELECTRONIC PLASMA FILTER
- IONIZER MODULE
- VOLTAGE MONITOR

#### AVAILABLE VOLTAGES:

- A : 110~120/1/60 (009~013)
- G : 208~230/1/60 (All)
- W : 220~240/1/50 (All)
- Z : 380~420/3/50 (024~027)

#### AVAILABLE REFRIGERANTS:

- A : HCFC-22 (All)
- E : R407C (All, 50Hz)
- F : R410A (009~013, 50Hz)

#### AVAILABLE AMBIENT TYPES:

- A : Standard (T1)
- T : High - Tropical (T3)
- N : Low - Nordic/Arctic
- P : Corrosive area / Marine

010 ~ 027 models are also available with plastic RUST FREE outdoor units

(Including PE plastic casing, hot-dip galvanized metal parts, stainless steel hardware and acrylic coated coils)

#### STANDARD FEATURES

- DESIGNED FOR STANDARD WALL HUNG INSTALLATION
- COOLING ONLY OR HEAT PUMP APPLICATIONS
- LATEST DESIGN ATTRACTIVE APPEARANCE
- FULL ABS PLASTIC CASING FOR INDOOR UNITS
- REMOVABLE FLIP OPEN STYLE 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
- "I FEEL" TEMPERATURE CONTROL
- TIMER FOR PRESET STARTING AND STOPPING
- AUTO CHANGEOVER, DRY AND FAN ONLY MODES
- SEASON SENSITIVE OPERATIONAL LOGIC
- SELF LEARNING TIME-DEMAND DEFROST (HEAT PUMP)
- AUTOMATIC SYNCHRONIZED DISCHARGE LOUVER
- THREE + AUTO SPEED 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
- SPRING LOADED PIPE CONNECTIONS TO PREVENT KINKING
- DYNAMICALLY BALANCED ULTRA QUIET CROSSFLOW BLOWER
- ANTI MILDEW TREATMENT ON BLOWER WHEELS
- INTERNAL LIQUID PRESSURE CHECK PORT
- HIGH OUTPUT & QUIET COMPRESSORS FOR ALL MODELS
- INDEPENDENT COMPRESSORS FOR MULTI-SPLIT MODELS
- LARGE CAPACITY SUCTION ACCUMULATORS (ROTARY TYPES)
- 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
- LARGE CAPACITY REFRIGERANT FILTERS
- PIPING AND WIRING THROUGH BOTTOM, SIDES OR REAR OF UNIT
- HIGHEST GRADE COMPONENTS FOR LONG LIFE EXPECTANCY
- AMPLE AVAILABILITY OF SPARE PARTS AND ACCESSORIES

UNIT SPECIFICATIONS - WALL MOUNT DUCTLESS SPLIT SYSTEM						Cooling Only / Heat Pump			
Model Series WAM Cool Only WYM Heat Pump		WAM-WYM 009 A/G/W	WAM-WYM 010 A/G/W	WAM-WYM 013 A/G/W	WAM-WYM 018 G/W	WAM-WYM 020 G/W	WAM-WYM 024 G/W/Z	WAM-WYM 027 G/W/Z	
<b>Application</b>		<b>Wall Mounted Ductless Split System</b>							
Performance Data	Cooling Capacity (BTU/Hr)	9,000	9,500	12,600	17,500	19,000	24,000	25,500	
	Heating Capacity (BTU/Hr) (Heat Pump Models Only)	9,750	10,400	13,800	19,000	21,200	25,400	27,000	
	Air Circulation (CFM)	270	270	350	500	500	600	600	
	Moisture Removal (Lt/Hr)	1.2	1.3	1.6	2.2	2.3	2.5	2.6	
Electrical Data:	Input Voltage	Code A : 110 - 120 / 1 / 60 - Code G : 208 - 230 / 1 / 60 Code W : 200 - 240 / 1 / 50 - Code Z : 380 - 415 / 3 / 50							
	Acceptable Voltage Range	Code A : 99 ~ 132 - Code G : 187 ~ 253 - Code W : 180 ~ 264 - Code Z : 342 ~ 460							
	Total Watts	930	970	1,300	1,770	1,880	2,290	2,480	
	Rated Amps	A: 7.8 G/W: 4.0	A: 7.9 G/W: 4.1	A: 11.5 G/W: 5.9	G/W: 8.1	G/W: 8.5	G/W: 10.5 Z: 3.5	G/W: 11.0 Z: 3.8	
Fan Coil Unit Data:	Blower Type - Quantity	High glass content, random pitch cross flow fan for whisper quiet operation							
	Motor Type - Quantity	Single Shaft PSC - 1 (most models with digital PCB driven motors and two way data interchange)							
	Fan Motor Speeds	Three Speed + Auto							
	Controller	Multi function LCD wireless remote control (Optional wired remote also available)							
	Cabinet	Ultra modern EGP plastic casing with flip-open front panel grill							
	Coil Type	Ultra high efficiency rifled copper tubes mechanically bonded to slit aluminum fins							
	Air Filtration	Washable polypropylene net + Optional additional filtering medium also available							
	Supply Air Adjustment	Automatic air deflector louvers with multiple fixed angle and auto sweep modes							
Outdoor Unit Data:	Fan Type - Quantity	Skewed design, ultra quiet type plastic propeller fan							
	Motor Type - Quantity	Totally enclosed single shaft PSC							
	Refrigerant Control	Capillary tube at outdoor unit (other expansion devices and options available)							
	Cabinet	EGP Galvanized steel with baked enamel electrostatic powder coating							
	Coil Type	Rifled copper tubes mechanically bonded to slit aluminum fins							
Refrigerant and Drain Connections:	Liquid Line, Type - Size	Flare 1/4 "	Flare 1/4 "	Flare 1/4 "	Flare 1/4 "	Flare 1/4 "	Flare 3/8 "	Flare 3/8 "	
	Suction Line, Type - Size	Flare 3/8 "	Flare 3/8 "	Flare 3/8 "	Flare 1/2 "	Flare 1/2 "	Flare 5/8 "	Flare 5/8 "	
	Drain Connection Size	1/2 "							
NET Dimensions & Weight:	Fan Coil Unit	Length [mm]	668	668	780	925	925	1,032	1,032
		Width [mm]	180	180	180	197	197	203	203
		Height [mm]	205	205	260	275	287	313	313
		Weight [Kg]	8	8	9	13	13	15	15
	Outdoor Unit	Length [mm]	600	850	850	850	860	860	860
		Width [mm]	230	270	270	270	290	290	290
		Height [mm]	490	550	550	550	610	610	610
		Weight [Kg]	28	30	32	35	45	55	56
SHIPPING Dimensions & Weight:	Fan Coil Unit	Length [mm]	750	750	850	980	980	1,070	1,070
		Width [mm]	240	240	240	275	275	275	275
		Height [mm]	280	280	350	360	360	390	390
		Weight [Kg]	10	10	10	15	15	17	17
	Outdoor Unit	Length [mm]	755	930	930	930	985	985	985
		Width [mm]	330	340	340	340	420	420	420
		Height [mm]	520	600	600	600	680	680	680
		Weight [Kg]	30	32	34	38	48	58	59

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.