

PIONEER®

Air Conditioning & Heat Pump Systems

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

CAN / CYN

SPECIFICATIONS

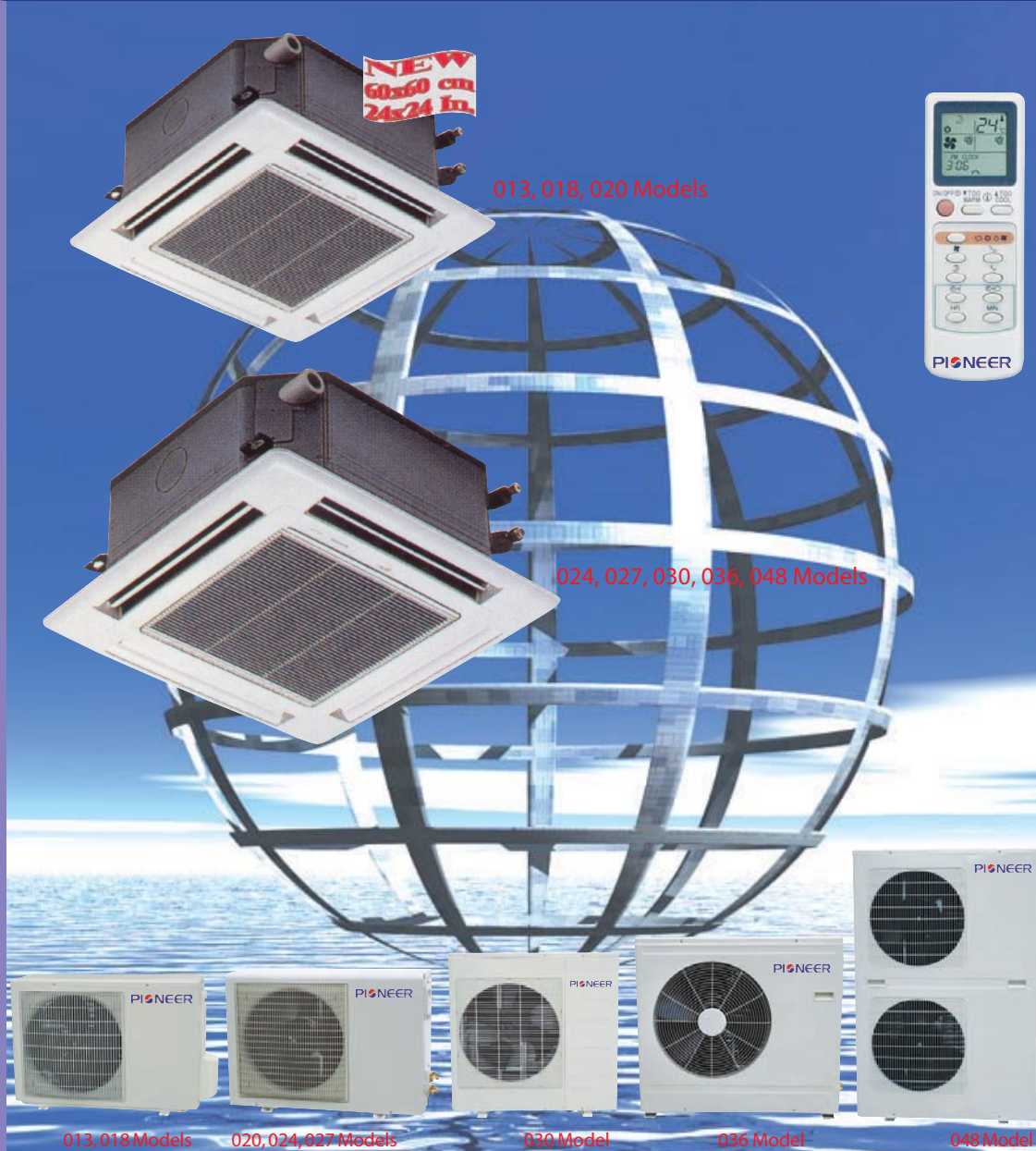
(CAN Cool Only, CYN Heat Pump)

Ductless 4-Way Ceiling Cassette Split Systems

Single & Multi Zone (13,000 through 48,000 BTU/Hr.)

PIONEER
Air Conditioning & Heat Pump Systems

CAN / CYN Series Product Line Up



013, 018, 020 Models

024, 027, 030, 036, 048 Models

013, 018 Models

020, 024, 027 Models

030 Model

036 Model

048 Model

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)
- EMERGENCY HEATER (As factory installed option only)
- VOLTAGE MONITOR

AVAILABLE VOLTAGES:

- A : 110~120/1/60 (013)
- G : 208~230/1/60 (All)
- H : 208~230/3/60 (036~048)
- W : 220~240/1/50 (013~036)
- J : 220~240/3/50 (036~048)
- Z : 380~420/3/50 (024~048)

AVAILABLE REFRIGERANTS:

- A : HCFC-22 (All)
- E : R407C (All, 50Hz)

AVAILABLE AMBIENT TYPES:

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

013 ~ 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 CEILING INSTALLATION TYPE INSTALLATION
- COOLING ONLY OR HEAT PUMP APPLICATIONS
- ULTRA SLIM EXPOSURE WITH 4 WAY AIR DISCHARGE
- LATEST DESIGN ATTRACTIVE APPEARANCE
- FULL ABS PLASTIC PANEL FOR INDOOR UNITS
- REMOVABLE FLIP OPEN STYLE RETURN GRILL
- WASHABLE RETURN AIR FILTER CARTRIDGE
- ANTI DISCOLORATION FORMULATED PLASTIC DYES
- LCD SCREEN INFRARED ELECTRONIC CONTROL
- AUTO-RESTART WITH MEMORY FOR POWER OUTAGES
- "I FEEL" TEMPERATURE CONTROL
- TIMER FOR PRESET STARTING AND STOPPING
- AUTO CHANGEVER, 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 SIROCCO BLOWER
- ANTI MILDEW TREATMENT ON BLOWER
- 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 -CEILING CASSETTE DUCTLESS SPLIT SYSTEM **Cooling Only / Heat Pump**

Model Series CAN Cool Only CYN Heat Pump	Models :	CAN-CYN	CAN-CYN	CAN-CYN	CAN-CYN	CAN-CYN	CAN-CYN	CAN-CYN	CAN-CYN
	Capacity :	013	018	020	024	027	030	036	048
	60Hz Mod. :	A / G	G	G	G	G	G	G / H / F	G / H / F
	50Hz Mod. :	W	W	W	W / Z	W / Z	W / Z	W / J / Z	W / J / Z

Application **4-Way Discharge Ceiling Casstte Type Ductless Split System**

Performance Data	Cooling Capacity (BTU/Hr)	12,600	17,500	18,500	24,000	25,500	30,000	36,000	48,000
	Heating Capacity (BTU/Hr) (Heat Pump Models Only)	13,800	19,000	20,200	25,400	27,000	31,200	37,500	50,000
	Optional Electric Heater (W)	N/A	N/A	N/A	1,700	1,700	1,700	3,000	3,000
	Air Circulation (CFM)	450	500	500	650	650	700	900	990
	Moisture Removal (Lt/Hr)	1.6	2.2	2.3	2.8	3.0	3.2	5.2	6.0

Electrical Data:	Input Voltage	Code A : 110 - 120 / 1 / 60 - Code G : 208 - 230 / 1 / 60 - Code H : 208 - 230 / 3 / 60 - Code F : 440 - 460 / 3 / 60 Code W : 200 - 240 / 1 / 50 - Code J : 200 - 240 / 3 / 50 - Code Z : 380 - 415 / 3 / 50							
	Acceptable Voltage Range	Code A : 99 ~ 132 - Code G : 187 ~ 253 - Code H : 187 ~ 253 - Code F : 396 ~ 506 Code W : 180 ~ 264 - Code J : 180 ~ 264 - Code Z : 342 ~ 456							
	Total Watts	1,300	1,840	1,970	2,450	2,680	3,150	3,750	5,080
	Rated Amps	A: 11.5 G/W: 5.9	G / W: 8.4	G / W: 9.0	G / W: 11.1 Z: 3.8	G / W: 12.2 Z: 4.2	G / W: 14.3 Z: 4.9	G / W: 17.1 H / J: 10.0 F / Z: 5.8	G: 23.1 H / J: 13.5 F / Z: 7.8

Fan Coil Unit Data:	Blower Type - Quantity	High glass content, large diameter / low RPM scirocco blower for whisper quiet operation							
	Motor Type - Quantity	Single Shaft PSC - 1							
	Fan Motor Speeds	Three Speed + Auto							
	Controller	Multi function LCD wireless remote control							
	Cabinet	Ultra slim body, requiring minimal ceiling space with only the attractive outer panel exposed							
	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	4 way, automatic swing air deflector louvers for optimum distribution of supply air							

Outdoor Unit Data:	Fan Type - Quantity	Skewed design, ultra quiet type plastic propeller fan							
	Motor Type - Quantity	Totally enclosed single shaft PSC							
	Refrigerant Control / Location (Cooling)	Capillary tube Outdoor unit	Capillary tube Outdoor unit	Capillary tube Outdoor unit	Capillary tube Outdoor unit	Capillary tube Outdoor unit	FCCV 0.065" Indoor unit	FCCV 0.072" Indoor unit	FCCV 0.081" Indoor unit
	Refrigerant Control / Location (Heating)	Capillary tube Outdoor unit	Capillary tube Outdoor unit	Capillary tube Outdoor unit	Capillary tube Outdoor unit	Capillary tube Outdoor unit	FCCV 0.059" Outdoor unit	FCCV 0.062" Outdoor unit	FCCV 0.065" Outdoor unit
	Cabinet	EGP Galvanized steel with baked enamel electrostatic powder coating							
	Coil Type	Rifled copper tubes mechanically bonded to slit aluminum fins							

Refrigerant & Drain Connections:	Liquid Line, Type - Size	Flare 1/4 "	Flare 1/4 "	Flare 1/4 "	Flare 3/8 "	Flare 3/8 "	Flare 3/8 "	Flare 3/8 "	Flare 3/8 "
	Suction Line, Type - Size	Flare 1/2 "	Flare 1/2 "	Flare 1/2 "	Flare 5/8 "	Flare 5/8 "	Flare 5/8 "	Flare 3/4 "	Flare 3/4 "
	Drain Connection Size	1 " (with internal condensate removal pump)							

NET Dimensions & Weight:	Fan Coil Unit	Length [mm]	560	560	560	835	835	835	835	835
		Width [mm]	560	560	560	835	835	835	835	835
		Height [mm]	260	260	260	265	265	265	265	265
		Weight [Kg]	22	22	22	29	29	29	35	35
	4-Way Panel	Length [mm]	650	650	650	950	950	950	950	950
		Width [mm]	650	650	650	950	950	950	950	950
		Height [mm]	30	30	30	65	65	65	65	65
		Weight [Kg]	3	3	3	7	7	7	7	7
	Standard (T1) & Arctic Des. Outdoor Unit	Length [mm]	850	850	860	860	860	855	880	830
		Width [mm]	270	270	290	290	290	385	360	310
		Height [mm]	550	550	610	610	610	715	790	1,235
		Weight [Kg]	32	35	45	53	55	70	75	95
	Tropical (T3) Outdoor Unit	Length [mm]	850	860	860	860	855	855	880	830
		Width [mm]	270	290	290	290	385	385	360	310
		Height [mm]	550	610	610	610	715	715	790	1,235
		Weight [Kg]	32	45	46	54	70	70	75	95
Rust Free (Plastic) Outdoor Unit	Length [mm]	790	790	950	950	950				
	Width [mm]	290	290	330	330	330				
	Height [mm]	560	560	630	630	630				
	Weight [Kg]	31	34	44	50	53				

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.