

**Efficiency CLASS "A"**  
**R410 DC INVERTER**  
**CE and RoHS Compliant**

- OPTIONAL ACCESSORIES:**
- PIPING AND WIRING KIT
  - CONDENSER STAND KIT
  - LINE COVER KIT
  - WIRELESS REMOTE CONTROL
  - VOLTAGE MONITOR

- HEAT EXCHANGER OPTIONS:**
- COPPER / STEEL
  - CUPRO-NICKEL / STEEL

- CONNECTION PIPING OPTIONS:**
- STANDARD FLARE TYPE
  - QUICK COUPLING TYPE (REQUIRES ACCESSORY KIT)

- AVAILABLE VOLTAGES:**
- W : 220~240/1/50

- AVAILABLE REFRIGERANTS:**
- F : R410A

- AVAILABLE AMBIENT TYPES:**
- A : Standard (T1)
  - N : Low - Nordic/Arctic



### STANDARD FEATURES

#### INDOOR SECTION:

- VARIABLE CAPACITY FOR MAXIMUM ENERGY SAVINGS
- CAN BE COUPLED WITH FLOOR HEATING AND FAN COILS
- OPTIONAL USE FOR DOMESTIC WATER AND POOL HEATING
- LCD SCREEN ELECTRONIC REMOTE CONTROL PANEL
- AUTO-RESTART WITH MEMORY FOR POWER OUTAGES
- CONTROLS TEMPERATURE THRU WATER AND INDOOR TEMPS
- TIMER FOR PRESET STARTING AND STOPPING
- AUTO CHANGEOVER, COOL AND HEAT ONLY MODES
- SEASON SENSITIVE OPERATIONAL LOGIC
- SELF LEARNING TIME-DEMAND DEFROST
- DESIGNED FOR STANDARD SPLIT SYSTEM INSTALLATION
- COOLING ONLY AND REVERSE CYCLE HEAT APPLICATIONS
- LATEST DESIGN ATTRACTIVE APPEARANCE
- WALL MOUNTED, FULL GALVANIZED CASING
- ELECTRO-STATIC POWDER PAINT
- REMOVABLE SWING OPEN STYLE FRONT COVER WITH LOCK
- HIGH TEMPERATURE CIRCULATION PUMP
- STANDARD AND CUPRO-NICKEL HEAT EXCHANGER OPTIONS
- FLARE TYPE REFRIGERANT CONNECTIONS (OPT. QUICK COUP.)

#### OUTDOOR SECTION:

- SOPHISTICATED ELECTRONICS CONTROLLING COMPRESSOR SPEED
- VARIABLE SPEED DC INVERTER DRIVER SET
- HIGH OUTPUT & QUIET ROTARY COMPRESSOR
- HIGHLY EFFICIENT R410 REFRIGERANT
- 100% ENVIRONMENTALLY FRIENDLY COMPONENTS (RoHS COMPLIANT)
- ULTRA HIGH EFFICIENCY GROOVED COPPER TUBES (OD UNIT)
- ENHANCED LOUVERED HYDROPHILIC ALUMINUM FINS (OD UNIT)
- DYNAMICALLY BALANCED ULTRA QUIET PROPELLER FAN
- VARIABLE SPEED SEALED OUTDOOR FAN MOTOR
- ULTRA GALVANIZED SHEET METAL CABINET
- HEAVY COAT OF BAKED ENAMEL PAINT FOR THE OUTDOOR UNIT
- INTERNAL OVERLOAD PROTECTION FOR MOTOR AND COMPRESSOR
- FLARE TYPE REFRIGERANT CONNECTIONS (OPT. QUICK COUPLING)
- FULL OPERATING CHARGE OF REFRIGERANT FOR 4 METER LINE SET
- LARGE CAPACITY REFRIGERANT FILTERS AND ACCUMULATOR
- EASY PIPING AND WIRING ACCESS TO THE UNIT
- HIGHEST GRADE COMPONENTS FOR LONG LIFE EXPECTANCY
- RUBBER VIBRATION ABSORBING MOUNTING FOR MOVING PARTS
- AMPLE AVAILABILITY OF SPARE PARTS AND ACCESSORIES

## UNIT SPECIFICATIONS - SPLIT REVERSE CYCLE AIR TO WATER DC INVERTER (R410A)

		<b>BIC018WTF</b>	
<b>Application</b>		<b>Air to Water Split System Heating and Cooling</b>	
Performance Data	Cooling Capacity BTU/Hr (KW)	4,400 ~ 16,500 BTU/Hr ( 1.3 ~ 5 KW)	
	Heating Capacity BTU/Hr (KW)	4,600 ~ 20,000 BTU/Hr ( 1.4 ~ 6 KW)	
	S.E.E.R. Cooling	15.0 (BTU / Watt)	
	C.O.P. Heating	4.0 (Watt / Watt)	
Electrical Data:	Input Voltage	Code W : 200 - 240 / 1 / 50 VAC	
	Acceptable Voltage Range	Code W : 180 ~ 264 VAC	
	Total Watts COOLING Nominal (Nin / Max)	1,000 (410 ~ 1,800)	
	Total Watts HEATING Nominal (Nin / Max)	940 (400 ~ 1,800)	
<b>Indoor Unit Model Number:</b>		<b>AWID018WTF</b>	
Indoor Unit Data:	Heat Exchanger Type - Quantity	Tube in Tube Coaxial (1)	
	Noise Level dB (A)	35	
	Water Connection Size (In)	G 3/4"	
	Pump Max Water Volume (L/Hr.)	2,100	
	Water Pressure Drop (m)	6 m.	
	Controller System	Programmable Digital Wired Remote Control Thermostat with LCD Screen	
	Cabinet	GI Galvanized Sheet Metal with Electro Static Powder Paint	
	Soundproofing	Full Internal Sound Absorbing Foam Set	
<b>Outdoor Unit Model Number</b>		<b>ICOD018WTF</b>	
Outdoor Unit Data:	Fan Type - Quantity	Ultra Quiet, High Volume Glass Infuzed Plastic Propeller	
	Motor Type - Quantity	Variable Speed Single Shaft PSC - 1	
	Noise Level dB (A)	53	
	Fan Motor	DC Inverter Speed Controlled Sealed Motor	
	Max Consumption (W)	85 Watt	
	Air Volume (M3/Hr)	1,750	
	Refrigerant Control	Capillary Tube Set at Outdoor Unit	
	Cabinet	EGP - Epoxy Coated Galvanized Steel	
	Coil Size	0.4 m2, 2 Rows, 14 FPI	
	Coil Type	Grooved Copper Tubes Mechanically Bonded to Slit Aluminum fins	
Refrigerant Connections:	Liquid Line, Type - Size	Flare 3/8 " (Optional Quick Coupling)	
	Suction Line, Type - Size	Flare 1/2 " (Optional Quick Coupling)	
Dimensions & Weight:	Indoor Section	Height [mm] Net / Carton	600 / 650
		Width [mm] Net / Carton	400 / 445
		Depth [mm] Net / Carton	200 / 245
		Weight [Kg] Net / Carton	20 / 23
	Outdoor Section	Length [mm] Net / Carton	780 / 920
		Width [mm] Net / Carton	255 / 340
		Height [mm] Net / Carton	590 / 600
		Weight [Kg] Net / Carton	33 / 36