

iGas

Presents



iAIR

THE FUTURE OF COMFORT

iAIR - iGas USA, Inc.

Tel: +1 813.443.0757

Website: [www.iair-usa.com](http://www.iair-usa.com)

Email: [sales@igasusa.com](mailto:sales@igasusa.com)

**Note:** Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.



## RESIDENTIAL HVAC PRODUCT CATALOG

# CONTENTS

## Company Profile

About iAIR 01~04

## Outdoor Unit

14.3 SEER2 Fixed Speed | Air Conditioner 05~06

14.3 SEER2 Fixed Speed | Heat Pump 07~08

## Indoor Unit

Multi-Position Standard Air Handler (STD) Unit 09~10

Wall-Mounted Air Handler Unit 11~12

## FAQ

Frequently Asked Questions 13-14



## ABOUT iAIR

**GD APLUS TECH CO. LTD, founded in 2023 and headquartered in Shunde, Foshan - iAIR is an emerging professional force backed by over 100 years of combined HVAC industry experience. The company operates a facility of approximately 200,000 square feet, including modern office buildings, and employs nearly 300 people—more than 50 of whom are dedicated R&D engineers. We specialize in delivering HVAC and refrigeration solutions that offer...**

**Better Quality, Better Comfort, and Better Value.**



## Production Facility



## iAIR Strategy

**#A Better Quality**  
Even airflow. Built to last.

**#A Better Comfort**  
Comfort that feels just right.

**#A Better Value**  
Performance, price, and support.  
All in one great package.



# Outdoor Unit

## 14.3 SEER2 Fixed Speed | Air Conditioner

Cooling capacity: 18-60kBTU/h

### Standard Features

- Eco-friendly R32 refrigerant with low GWP value. Energy-efficient scroll compressor.
- Equipped with thermal overload protection.
- High quality condenser with inner-groove copper tube and aluminum fin.
- Service valves with sweat connections and easy-access gauge ports.
- Factory-installed high-pressure switch.
- Mechanical control with no PCB. Easy for maintenance.
- AHRI certified and ETL listed.

### Cabinet Features

- Compact design allows for easy of installation, and maintenance.
- Powder-painted galvanized steel cabinet chassis.
- Protective steel louvered coil guard.
- Steel wire axial fan guard.
- Unique Fan blade for quieter operation.



Capacity	Model	Unit Dimensions & Weight					Sound Level (dB(A))
		Height (in.)/[mm]	Width (in.)/[mm]	Length (in.)/[mm]	Shipping Weight (lbs)/[kg]		
1.5	DAC5018E1000A	Unit	25[635]	23-5/8[600]	23-5/8[600]	139[63]	60
		Packing	26-1/8[665]	24-13/16[630]	24-13/16[630]		
2	DAC5024E1000A	Unit	25[635]	23-5/8[600]	23-5/8[600]	139[63]	60
		Packing	26-1/8[665]	24-13/16[630]	24-13/16[630]		
2.5	DAC5030E1000A	Unit	25[635]	23-5/8[600]	23-5/8[600]	148[67]	63
		Packing	26-1/8[665]	24-13/16[630]	24-13/16[630]		
3	DAC5036E1000A	Unit	25[635]	29-1/8[740]	29-1/8[740]	160[72.5]	63
		Packing	26-1/8[665]	30-1/2[775]	30-1/2[775]		
3.5	DAC5042E1000A	Unit	32-7/8[835]	29-1/8[740]	29-1/8[740]	195[88.6]	65
		Packing	34[865]	30-1/2[775]	30-1/2[775]		
4	DAC5048E1000A	Unit	32-7/8[835]	29-1/8[740]	29-1/8[740]	214[97]	65
		Packing	34[865]	30-1/2[775]	30-1/2[775]		
5	DAC5060E1000A	Unit	32-7/8[835]	29-1/8[740]	29-1/8[740]	214[97]	65
		Packing	34[865]	30-1/2[775]	30-1/2[775]		

		CAPACITY(TON)						
SPECS		1.5	2	2.5	3	3.5	4	5
RATED CAPACITY	Cooling (BTU/h)	18000	23600	27800	33000	40000	45000	55000
ELECTRICAL DATA	Power supply	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz
	Min. / Max. Voltage(V)	187/253	187/253	187/253	187/253	187/253	187/253	187/253
	Min. Circuit Amps (MCA) (A)	10.5	13.5	16.7	19.5	23.9	23.4	39.9
	Max. Overcurrent Protection (MOP) (A)	15	20	25	30	35	40	60
COMPRESSOR	Type	S scroll	S scroll	S scroll	S scroll	S scroll	S scroll	S scroll
	Rated Load Amps (RLA) (A)	7.3	9.7	11	13.5	18.4	17.5	30.7
	Locked Rotor Amps (LRA) (A)	47	65	69	86	96	102	134
	Crankcase Heater	NO	NO	NO	NO	NO	NO	NO
CONDENSER COIL	Type	Copper Tube & Aluminium Fin	Copper Tube & Aluminium Fin	Copper Tube & Aluminium Fin	Copper Tube & Aluminium Fin	Copper Tube & Aluminium Fin	Copper Tube & Aluminium Fin	Copper Tube & Aluminium Fin
FAN MOTOR	Motor Type	PSC	PSC	PSC	PSC	PSC	PSC	PSC
	Capacitor (uF)	6uF	6uF	6uF	6uF	6uF	12uF	12uF
	Horsepower (HP)	1/9	1/9	1/5	1/7	1/7	1/3	1/3
	Full Amps Load (FLA) (A)	0.8	0.8	1.5	1	1	1.5	1.5
REFRIGERATION SYSTEM	Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4	3/4	7/8	7/8
OPERATION RANGE	Cooling(°C)	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9
	Cooling(°C)	55-120	55-120	55-120	55-120	55-120	55-120	55-120
LOADING QTY 40HQ	WITH PALLET	171	171	171	135	90	90	90
	WITHOUT PALLET	228	228	228	180	135	135	135

## 14.3 SEER2 Fixed Speed | Heat Pump

Cooling capacity: 18-60kBTU/h

### Standard Features

- Eco-friendly R32 refrigerant with low GWP value.
- Energy-efficient scroll compressor.
- Equipped with thermal overload protection.
- High quality condenser with inner-groove copper tube and aluminum fin.
- Service valves with sweat connections and easy-access gauge ports.
- Factory-installed high-pressure switch.
- AHRI certified and ETL listed.

### Cabinet Features

- Compact design allows for easy installation, and maintenance.
- Powder-painted galvanized steel cabinet chassis.
- Protective steel louvered coil guard.
- Steel wire axial fan guard.
- Unique fan blade for quieter operation.



Capacity	Model	Unit Dimensions & Weight					Sound Level (dB(A))
		Height (in.) [mm]	Width (in.) [mm]	Length (in.) [mm]	Shipping Weight (lbs) [kg]		
1.5	DHP5018E1000A	Unit	25[635]	23-5/8[600]	23-5/8[600]	150[68]	60
		Packing	26-1/8[665]	24-13/16[630]	24-13/16[630]		
2	DHP5024E1000A	Unit	25[635]	23-5/8[600]	23-5/8[600]	150[68]	60
		Packing	26-1/8[665]	24-13/16[630]	24-13/16[630]		
2.5	DHP5030E1000A	Unit	25[635]	23-5/8[600]	23-5/8[600]	168[76.2]	63
		Packing	26-1/8[665]	24-13/16[630]	24-13/16[630]		
3	DHP5036E1000A	Unit	25[635]	29-1/8[740]	29-1/8[740]	181[82.1]	63
		Packing	26-1/8[665]	30-1/2[775]	30-1/2[775]		
3.5	DHP5042E1000A	Unit	32-7/8[835]	29-1/8[740]	29-1/8[740]	212[96.1]	65
		Packing	34[865]	30-1/2[775]	30-1/2[775]		
4	DHP5048E1000A	Unit	32-7/8[835]	29-1/8[740]	29-1/8[740]	234[106.1]	65
		Packing	34[865]	30-1/2[775]	30-1/2[775]		
5	DHP5060E1000A	Unit	32-7/8[835]	29-1/8[740]	29-1/8[740]	234[106.1]	65
		Packing	34[865]	30-1/2[775]	30-1/2[775]		

		CAPACITY(TON)						
SPECS		1.5	2	2.5	3	3.5	4	5
RATED CAPACITY	Cooling (BTU/h)	17000	22600	27400	32400	38400	44500	55000
	Heating (BTU/h)	17600	22200	26400	33000	40000	44500	55000
ELECTRICAL DATA	Power supply	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz
	Min./ Max. Voltage(V)	187/253	187/253	187/253	187/253	187/253	187/253	187/253
	Min. Circuit Amps (MCA) (A)	10.5	13.5	18	19.5	23.9	23.4	39.9
	Max. Overcurrent Protection (MOP) (A)	15	20	30	30	35	40	60
COMPRESSOR	Type	S scroll	S scroll	S scroll	S scroll	S scroll	S scroll	S scroll
	Rated Load Amps (RLA) (A)	7.3	9.7	11	13.5	18.4	17.5	30.7
	Locked Rotor Amps (LRA) (A)	47	65	69	86	96	102	134
	Crankcase Heater	YES	YES	YES	YES	YES	YES	YES
CONDENSER COIL	Type	Copper Tube & Aluminium Fin	Copper Tube & Aluminium Fin	Copper Tube & Aluminium Fin	Copper Tube & Aluminium Fin	Copper Tube & Aluminium Fin	Copper Tube & Aluminium Fin	Copper Tube & Aluminium Fin
	Motor Type	PSC	PSC	DC	PSC	PSC	PSC	PSC
FAN MOTOR	Capacitor(µF)	6µF	6µF	/	6µF	6µF	12µF	12µF
	Horsepower (HP)	1/9	1/9	1/6	1/7	1/7	1/3	1/3
	Full Load Amps (FLA) (A)	0.8	0.8	1.3	1	1	1.5	1.5
	Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
REFRIGERATION SYSTEM	Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4	3/4	7/8	7/8
	Cooling(°C)	12.7-48.9	12.7-48.9	12.7-48.9	12.7-48.9	12.7-48.9	12.7-48.9	12.7-48.9
OPERATION RANGE	Cooling(°F)	55-120	55-120	55-120	55-120	55-120	55-120	55-120
	Heating(°C)	-15-32.2	-15-32.2	-15-32.2	-15-32.2	-15-32.2	-15-32.2	-15-32.2
	Heating(°F)	5-90	5-90	5-90	5-90	5-90	5-90	5-90
	WITH PALLET	171	171	171	135	90	90	90
LOADING QTY 40HQ	WITHOUT PALLET	228	228	228	180	135	135	135



# Indoor Unit

## Multi-Position Standard Air Handler (STD) Unit

Cooling capacity: 18-60kBTU/h

### Standard Features

- Multi-stageblowerSpeed Control to align with varying capacity demands.
- Multi-position installation: Upflow, Horizontal Right, Downflow, Horizontal Left.
- Horizontal and vertical condensate drain pans standard, primary and secondary condensate fittings.
- Optional electric heater kits: 5, 7.5, 10, 15, 20kW.
- Slide out coil design for easy maintenance.
- Integrated filter rack with toolless door access.
- All-aluminum heat exchanger prevant for formicary corrosion.
- R32 refrigerant sensor is factory-installed, ensures safe operation.



Capacity	Model	Unit Dimensions & Weight						Sound Level (dB(A))
		Height (in.)(mm)	Width (in.)(mm)	Length (in.)(mm)	Supply duct (in.)(mm)	Shipping Weight (lbs)(kg)		
1.5	D4AH4P19E1B00A	Unit	45-3/4[1162]	19-11/16[500]	22[560]	17-7/8[454]	131[59.6]	53
		Packing	47-5/8[1210]	22-13/16[580]	25-9/16[650]			
2	D4AH4P24E1B00A	Unit	45-3/4[1162]	19-11/16[500]	22[560]	17-7/8[454]	132[59.8]	53
		Packing	47-5/8[1210]	22-13/16[580]	25-9/16[650]			
2.5	D4AH4P30E1B00A	Unit	45-3/4[1162]	19-11/16[500]	22[560]	17-7/8[454]	140[63.3]	53
		Packing	47-5/8[1210]	22-13/16[580]	25-9/16[650]			
3	D4AH4P36E1B00A	Unit	45-3/4[1162]	19-11/16[500]	22[560]	17-7/8[454]	140[63.3]	55
		Packing	47-5/8[1210]	22-13/16[580]	25-9/16[650]			
3.5	D4AH4P42E1B00A	Unit	45-3/4[1162]	19-11/16[500]	22[560]	17-7/8[454]	140[63.3]	54
		Packing	47-5/8[1210]	22-13/16[580]	25-9/16[650]			
4	D4AH4P49E1B00A	Unit	53-1/8[1350]	22[560]	24-1/2[623]	19-1/2[496]	181[82]	57
		Packing	54-15/16[1395]	25-1/4[640]	27-3/4[705]			
5	D4AH4E60E1B00A	Unit	53-1/8[1350]	22[560]	24-1/2[623]	19-1/2[496]	190[86]	57
		Packing	54-15/16[1395]	25-1/4[640]	27-3/4[705]			

		CAPACITY(TON)						
SPECS		1.5	2	2.5	3	3.5	4	5
NOMINAL RATING	Cooling (BTU/h)	18000	23200	27800	32800	40000	45000	55000
	CFM (High/Low range)	820	820	910	1060	1200	1450	1520
	External Static Pressure (in.w.c) [Pa]	0.5[125]	0.5[125]	0.5[125]	0.5[125]	0.5[125]	0.5[125]	0.5[125]
ELECTRICAL DATA	Power supply	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz
	Min./ Max. Voltage(V)	187/253	187/253	187/253	187/253	187/253	187/253	187/253
	Min. Circuit Amps (MCA) (A)	2.25	2.25	2.79	2.79	3.76	3.76	7.1
	Max. Overcurrent Protection (MOP) (A)	3	3	3	3	6	6	10
FAN MOTOR	Type	PSC	PSC	PSC	PSC	PSC	PSC	ECM
	Capacitor (uF)	10 $\mu$ F	10 $\mu$ F	13 $\mu$ F	13 $\mu$ F	20 $\mu$ F	20 $\mu$ F	/
	Horsepower (HP)	1/5	1/5	3/10	3/10	2/5	2/5	3/4
	Rated RPM	855	940	865	865	925	925	1000
	Full Load Amps (FLA) (A)	1.8	1.8	2.23	2.23	3.01	3.01	6.5
FAN BLOWER	Material	Metal	Metal	Metal	Metal	Metal	Metal	Metal
	Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Diameter(in.) [mm]	11	11	11	11	11	11	11
	Height(in.) [mm]	11	11	11	11	11	11	11
	Coil Drain Connection FPT (in.)	3/4	3/4	3/4	3/4	3/4	3/4	3/4
EVAPORATOR COIL	Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
	Tube Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
REFRIGERATION CONNECTION SIZE	Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4	3/4	7/8	7/8
LOADING QTY 40HQ	WITH PALLET	144	144	144	144	144	72	72
	WITHOUT PALLET	144	144	144	144	144	106	106

## Wall-Mounted Air Handler Unit

Cooling capacity: 18-36kBTU/h

### Standard Features

- Multi-speed PSC motor design.
- Built-in wall-hanging bracket.
- Drain pans with bottom primary and secondary drain connections.
- Optional electric heater kits: 5, 7.5, 10 kW.
- Ali-aluminum heat exchanger prevent for formicary corrosion.
- R32 refrigerant sensor is factory-installed, ensures safe operation.



Capacity	Model	Unit Dimensions & Weight					Shipping Weight (lbs)(kg)	Sound Level (dB(A))
		Height (in.)(mm)	Width (in.)(mm)	Length (in.)(mm)	Supply duct (in.)(mm)			
1.5	DWM5P181B00A	Unit	36-1/2[928]	20-3/5[524]	16-3/5[421]	15-4/5[402]	103[46.7]	53
		Packing	39-3/4[1010]	23-1/4[591]	19-7/16[494]			
2	DWM5P241B00A	Unit	36-1/2[928]	20-3/5[524]	16-3/5[421]	15-4/5[402]	103[46.7]	54
		Packing	39-3/4[1010]	23-1/4[591]	19-7/16[494]			
2.5	DWM5P311B00A	Unit	39-3/5[1006]	22[559]	19[485]	18-4/5[477]	119[53.9]	55
		Packing	42-15/16[1090]	24-5/8[625]	22-1/4[565]			
3	DWM5P361B001	Unit	39-3/5[1006]	22[559]	19[485]	18-4/5[477]	119[53.9]	57
		Packing	42-15/16[1090]	24-5/8[625]	22-1/4[565]			

		CAPACITY(TON)			
SPECS		1.5	2	2.5	3
NOMINAL RATING	Cooling (BTU/h)	17400	23600	26800	33000
	CFM (High/Low range)	630	710	960	1100
	External Static Pressure (in.w.c) [Pa]	0.58[145]	0.58[145]	0.58[145]	0.58[145]
ELECTRICAL DATA	Power Supply	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz	208-230V/1N/60Hz
	Min./ Max. Voltage(V)	187/253	187/253	187/253	187/253
	Min. Circuit Amps (MCA) (A)	2.25	2.25	2.79	2.79
	Max. Overcurrent Protection (MOP) (A)	3	3	3	3
FAN MOTOR	Type	PSC	PSC	PSC	PSC
	Capacitor (uF)	10uF	10uF	15uF	15uF
	Horsepower (HP)	1/5	1/5	3/10	3/10
	Rated RPM	900	900	865	865
	Full Load Amps (FLA) (A)	1.8	1.8	2.23	2.23
FAN BLOWER	Material	Metal	Metal	Metal	Metal
	Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Diameter(in.)(mm)	9	9	11	11
	Height(in.)(mm)	7	7	10	10
	Coil Drain Connection FPT (in.)	3/4	3/4	3/4	3/4
EVAPORATOR COIL	Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
	Tube Material	Aluminum	Aluminum	Aluminum	Aluminum
	Tube Size (in.)	9/32	9/32	9/32	9/32
REFRIGERATION CONNECTION SIZE	Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8
	Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4
LOADING QTY 40HQ	WITH PALLET	160	160	144	144
	WITHOUT PALLET	224	224	156	156

# Frequently Asked Questions

1. Are iAIR AC units ETL listed?

Yes - All units are ETL listed through APLUS (manufacturer)

2. Are iAIR AC units AHRI certified?

Yes - All units are AHRI listed through APLUS (manufacturer)

3. What is the warranty for an iAIR AC unit?

5-Years: Standard parts warranty

10-Years: After registration where applicable in the United States

<https://warranty.aplus-air.com>

4. Where does iAIR ship from?

Orlando, Florida USA

5. What is the minimum for pre-paid freight?

\$50,000 USD



The logo for iGas features a small blue sun-like icon with rays above the letter 'i'. The text 'iGas' is written in a blue, serif font.

iGas

Presents



**IAAIR**

**THE FUTURE OF COMFORT**