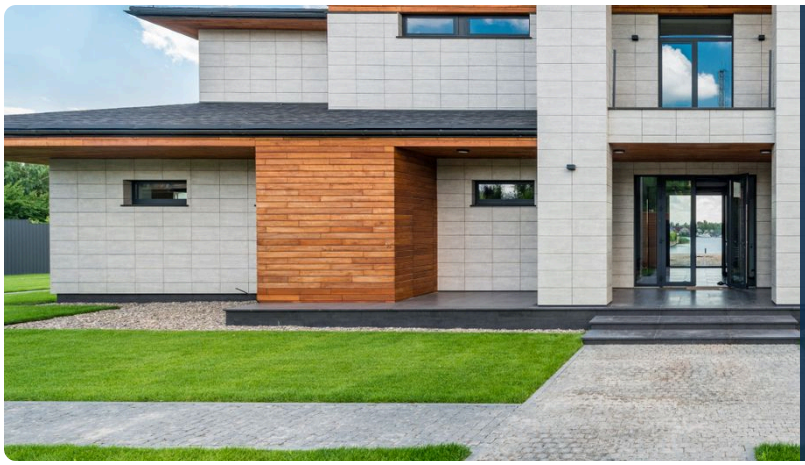
DUAL AIR by USAquamax

1 866 682 9276

PROUDLY BUILT IN THE USA

Water Source & Geothermal Heat Pumps

R454B Refrigerant



Geothermal Heating and Cooling for Home and Industry



HEATING AND COOLING IN ONE UNIT

Dual Air water source and geothermal heat pumps, in vertical and horizontal configurations, in six sizes from DA/ CFF024 to DA/ CFF060.

Saving the environment for future generations

Distributed by Green Planet Supply, 6947 Coal Creek Parkway SE, PMB 111, Newcastle, WA 98059 | Phone: 1-888-205-7866 | www.heatpumpsuppliers.com

Heating and cooling from the steady temperature of the earth

Below the surface, the ground stays at a steady temperature through the year. A Dual Air geothermal heat pump uses that steady temperature as its starting point. In winter it draws heat from the ground or a water loop and moves it indoors. In summer it reverses, moving heat out of the building and back into the ground or the loop.

1. THE LOOP

Water circulates through a ground loop, a ground water system, or a building water loop, carrying heat to or from the unit.

2. THE UNIT INDOORS

The Dual Air unit is installed indoors, where it exchanges heat between the loop and the building air.

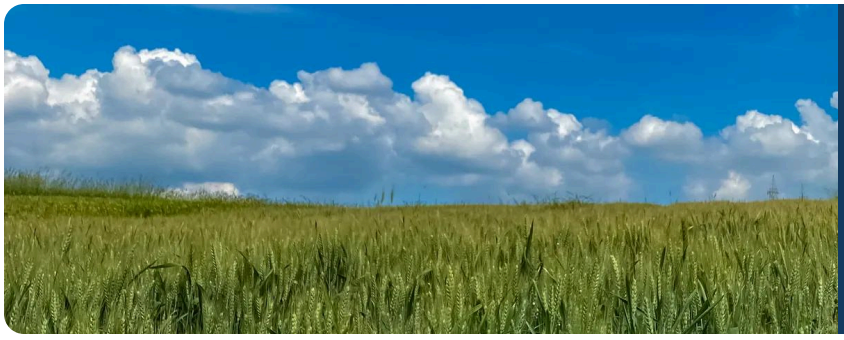
3. HEATING AND COOLING

One unit does both jobs, heating in winter and cooling in summer, using R454B refrigerant.

Rated Capacities from the Dual Air Specification Data Sheets

Model	Water Loop Cooling	Water Loop Heating	Ground Loop Cooling	Ground Loop Heating
DA/ CFF024	24,000	27,000	25,000	16,000
DA/ CFF031	30,500	35,500	31,200	19,500
DA/ CFF036	35,500	38,000	35,500	25,500
DA/ CFF041	40,500	43,000	40,500	26,000
DA/ CFF049	48,000	50,000	49,000	31,000
DA/ CFF060	59,000	68,000	63,000	43,000

Capacities in BTU per hour, as listed under the Water Loop and Ground Loop columns of each model specification data sheet. Every model in the line is rated EER 15.5 for Water Loop cooling and COP 4.3 for Water Loop heating.



The ground does the steady work, season after season

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Built for homes and commercial buildings



The same Dual Air line serves a single home and a commercial building. Six sizes cover capacities from 24,000 to 68,000 BTU per hour, and each unit is built to be installed indoors, in the configuration that fits the space.

VERTICAL AND HORIZONTAL CONFIGURATIONS

Choose the vertical cabinet or the horizontal cabinet to fit the mechanical space. Both configurations are offered across the line.

HEATING AND COOLING IN ONE UNIT

One Dual Air unit heats in winter and cools in summer, working with a ground loop, ground water, or a building water loop.

INDOOR INSTALLATION

The unit is installed indoors, out of the weather, with the loop doing the work underground or through the building water system.

R454B REFRIGERANT

Every model in the DA/ CFF Series, from DA/ CFF024 to DA/ CFF060, uses R454B refrigerant.

SIX SIZES

DA/ CFF024, DA/ CFF031, DA/ CFF036, DA/ CFF041, DA/ CFF049 and DA/ CFF060, with air flow from 800 to 1,900 CFM and water flow from 6 to 15.0 GPM.





Vertical Dual Air unit, top. Commercial building, bottom.

DA/ CFF Series Specifications

Dual Air water source and geothermal heat pumps are offered in six models. The table below gives the rated capacities and flows for each model, taken from the Dual Air specification data sheets. All models use R454B refrigerant and are available in vertical and horizontal configurations.

Model	Water Loop Cooling Capacity	EER	Water Loop Heating Capacity	COP	Ground Loop Cooling	Ground Loop Heating	Air CFM	Water GPM
DA/ CFF024	24,000	15.5	27,000	4.3	25,000	16,000	800	6
DA/ CFF031	30,500	15.5	35,500	4.3	31,200	19,500	1,000	7.5
DA/ CFF036	35,500	15.5	38,000	4.3	35,500	25,500	1,200	9
DA/ CFF041	40,500	15.5	43,000	4.3	40,500	26,000	1,400	10.5
DA/ CFF049	48,000	15.5	50,000	4.3	49,000	31,000	1,600	12.0
DA/ CFF060	59,000	15.5	68,000	4.3	63,000	43,000	1,900	15.0

Capacities in BTU per hour. Air flow shown as CFM and water flow as GPM, as listed on each model specification data sheet.

One indoor unit, heating and cooling, for home and industry



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As a result of continuing research and development, specifications are subject to change without notice. Please contact factory for up-to-date values.