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ULTRANIXX **ULTRA HEAT** UNIVERSAL UNITARY SPLIT SYSTEM (DUEL FUEL)

With IDU of Air Handler,
A Coil & Gas Furnace



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PRODUCT LINE UP



OUTDOOR UNIT CONDENSING UNIT

Series	Capacity	Efficiency	Dimension (W*D*H)mm	Dimension (W*D*H)Inch	Refrigerant	Power Supply
ECO Series	2/3ton	17 SEER2/ 8.5 HSPF2	710*710*664	27.95*27.95*26.14	R32	208/230V~ 60Hz
	4/5ton		710*710*850	27.95*27.95*33.46		
Ultra Heat Series	2/3ton	20 SEER2/ 11 HSPF2	701*710*750	27.95*27.95*29.92		
	4/5ton		750*750*850	29.92*29.92*33.46		

AIR HANDLER

Capacity	Dimension (W*D*H)mm	Dimension (W*D*H)Inch	Max. Static Pressure	Refrigerant	Power Supply
2/3ton	445*550*1255	17.52*21.65*49.41	300Pa	R32	115/208/230V~ 60Hz
4/5ton	534*550*1395	21.02*21.65*54.92	300Pa	R32	115/208/230V~ 60Hz

A-COIL

Capacity	Dimension (W*D*H)mm	Dimension (W*D*H)Inch	Refrigerant	Power Supply
2/3ton	445*550*625	17.52*21.65*24.61	R32	24V~ 60Hz
4/5ton	534*550*755	21.02*21.65*29.72	R32	24V~ 60Hz

GAS FURNACE

Model	Dimension (W*D*H)mm	Dimension (W*D*H)Inch	Input Power (BTU/H)	Output Power (BTU/H)	Max. Outlet Temperature (°F)	Power Supply	Gas Source
GF97T080B03a	445*857*730	17.5*33.75*28.75	60 000/39 000	57 000/37 000	150	115V~ 60Hz	Natural Gas, Liquefied Gas
GF97T080B03a	445*857*730	17.5*33.75*28.75	80 000/56 000	76 000/53 000	150	115V~ 60Hz	Natural Gas, Liquefied Gas

Extreme Performance

Ultra Heat Series
G-Hyper Compressor
Super Dual-cylinder Two-stage EVI Inverter Compressor

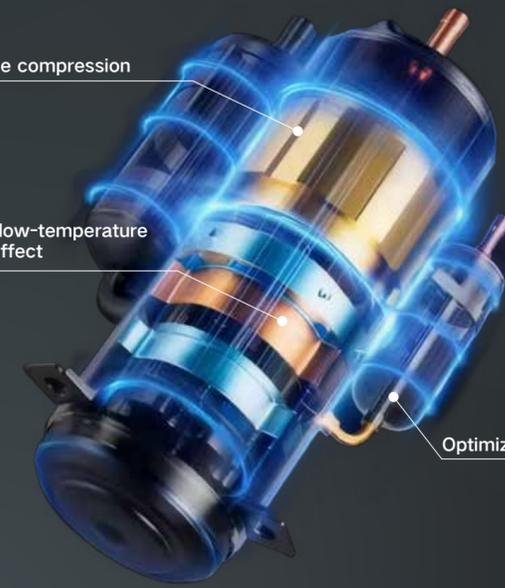
Stable operation at

-40°F(-40°C) evaporation temperature

158°F(70°C) condensation temperature

Two-stage compression

Superior low-temperature heating effect



Optimized oil circuit structure

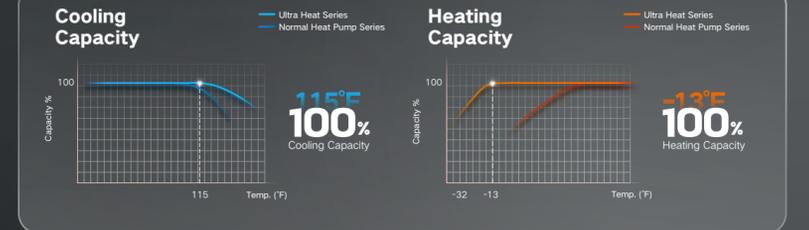
All-Climate Performance

Super Dual-cylinder Two-stage EVI Inverter Compressor

Operating Range **-32** X **130**



Ultra Cooling and Heating



*For Ultra Heat Series

20
SEER2

11
HSPF2

*For Ultra Heat Series



*The ultra-heat series is certified by AHRI-E-Star, CEE and NEEP. The ECO series is AHRI-certified and NEEP-certified, with E-Star and CEE certifications offered on some models. And Power Grid Demand Response (DR) capability is standard for both series.

Intelligent Communication & Control

Dual Fuel

Intelligently and automatically switch heat sources

- Based on thermal comfort, electricity vs. gas cost economics.
- Heat pump selected under moderate room temperature & economical electricity
 - Gas heating selected under low room temperature & economical gas
 - Real-time calculation via cloud computing through weather forecasts



RS485 & 24V Dual Communication

Convenient for engineering wiring & meet the market demand for replacement



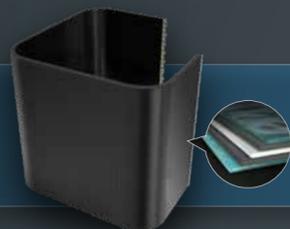
Reliability & Safety



Heat Dissipation of Refrigerant

Anti-Corrosion Design

Black anti-corrosion fins
2,000 hours
of neutral salt spray test



3-layer structure:
• Substrate
• Anti-corrosion layer
• Hydrophilic layer

Dual Electric Heating Belt

The outdoor unit is equipped with dual electric heating belts, ensuring reliable heating in low ambient temperature.

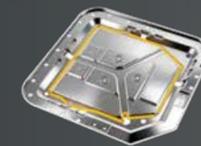


Electric heating belt of compressor crankcase

- Preheat the compressor
- Effectively ensure the superheat of oil temperature during low-temperature startup to prevent liquid slugging startup

Chassis electric heating

- Conduct defrosting for the chassis
- Prevent abnormal fan operation caused by snow accumulation and icing
- Ensures reliable heating of the unit



Indoor Units

Air Handler

Input power voltage level self-check and adaptation technology

Self-check input power voltage: 115V or 208V or 230V
Adaptable to different installation environments
No power supply renovation required during installation & reducing renovation cost



300Pa high static pressure

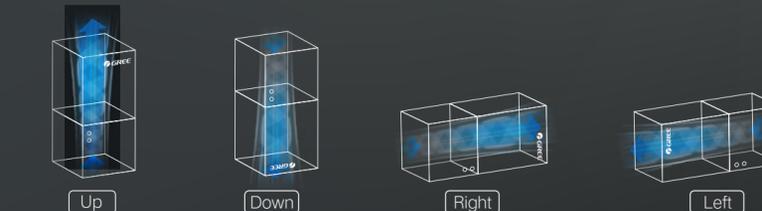


Standard internal rotor fan

New external rotor DC fan

Air handler's static pressure up to 300 Pa
Multiple static pressure settings
Long-distance air distribution throughout the whole house

4 air outlet ways for various installation direction



A-Coil

16 SEER2

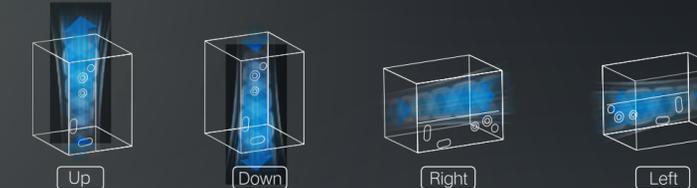
Flexibly connect different series of outdoor units
COIL-ONLY certification
Aluminum tube evaporator

- **1000** hours of SWAAT salt spray test
- A-COIL with painted zinc-aluminum tubes
- Excellent corrosion resistance



4 air outlet ways for various installation direction

The A-COIL, when paired with the third-party furnace, can achieve top, bottom, left, and right air discharge.



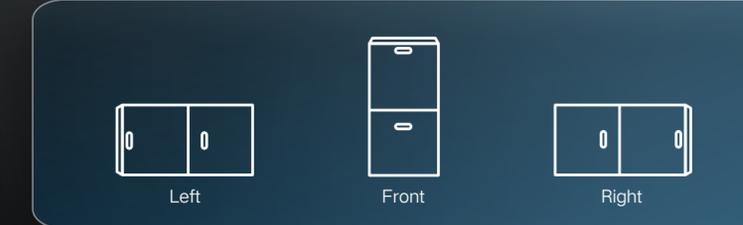
Gas Furnace



High-efficiency heating

60k/80k
high power | **96%**
high efficiency

3 directional installation



Dual Fuel

Flexible dual fuel supply of natural gas and liquefied gas

Constant air volume control

Stable air discharge with pressure variation to achieve comfortable constant temperature