

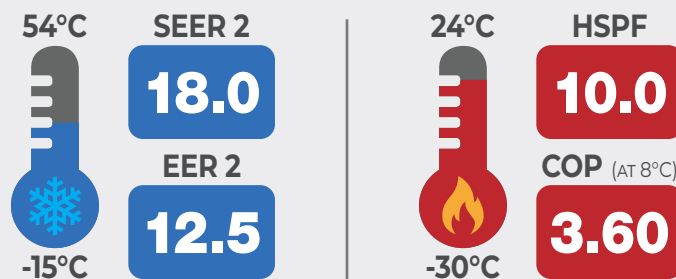
# Ultra Heat

SERIES

LET'S CURB CLIMATE CHANGE  
WITH ENERGY-EFFICIENT HEATING



The challenge for heat pumps has long been their efficiency in very cold weather. The **UNIX R32** central heat pump uses cutting-edge technologies developed by **GREE**, enabling powerful heating capacity despite outdoor temperatures as low as  $-30^{\circ}\text{C}$ . Perfect for our harsh Canadian winters!



- DC Inverter Technology
- External Service Valves and Electrical Terminals for Easy Field Installation
- Compatible with Downflow Applications
- Compatible with 24VAC Thermostats
- Compatible with RS485 Communication
- Quiet Design
- Possibility of Retrofit Installation
- Two-cylinder, Two-stage Compressor
- Environmentally-friendly R32 Refrigerant

## INSTALLATION FLEXIBILITY

- A) Install a complete **GREE** kit, or
- B) Retrofit with a third-party indoor unit, or with a furnace combined with a case coil, to reduce labor and equipment costs.

## STANDARD 24V COMMUNICATION

The **UNIX R32** series communication system is compatible with most standard 24V wired thermostats on the market.



GREE HEAT PUMPS...  
**TOWARDS ZERO EMISSIONS!**



Condensing Unit  
36,000 BTU/h



Condensing Unit  
60,000 BTU/h



Air Handler  
UNIX R32

UNIX R32 / AIR HANDLER			24000 (24/36)	36000 (36/36)	48000 (48/60)	60000 (60/60)
Indoor Unit:			GUD24AH2/G-D(U)	GUD36AH2/G-D(U)	GUD48AH2/G-D(U)	GUD60AH2/G-D(U)
Outdoor Unit:			GUD36W2/NhE-D(U)	GUD36W2/NhE-D(U)	GUD60W2/NhE-D(U)	GUD60W2/NhE-D(U)
AHRI Reference Code:			217120759	217120760	217120761	217120762
Power Supply		V/Hz/Ph	208-230 / 60 / 1			
SYSTEM PERFORMANCES						
Rated Capacity	Cooling	BTU/h	24,000 (12,000 – 30,000)	34,000 (18,000 – 37,000)	48,000 (34,000 – 50,000)	53,000 (35,000 – 55,000)
	Heating	BTU/h	25,000 (12,000 – 30,000)	34,000 (18,000 – 38,000)	48,000 (34,000 – 52,000)	54,000 (35,000 – 60,000)
Rated Power Input	Cooling	kW	3.2	4.6	6.4	6.7
	Heating	kW	4.2	5.6	6.8	7.0
Rated Current	Cooling	A	14.6	22.0	30.0	31.0
	Heating	A	19.2	25.6	32.0	32.0
SEER 2		BTU/W*h	18.0	18.0	19.0	18.5
EER 2		BTU/W*h	12.5	12.0	12.0	11.7
HSPF 2		BTU/W*h	10.0	10.0	10.0	10.5
COP at 8 °C (47 °F)		/	3.60	3.20	3.40	3.40
INDOOR UNIT SPECIFICATIONS						
Airflow Volume		m³/h (CFM)	1292 (760)	1700 (1000)	2040 (1200)	2550 (1500)
Sound Pressure Level		dB(A)	50	51	52	53
Rated External Static Pressure		Pa (in.w.g)	125 (0.5)	125 (0.5)	125 (0.5)	125 (0.5)
Minimum Circuit Ampacity (MCA)*		A	4.7	5.3	7.1	7.7
Maximum Overcurrent Protection (MOP)*		A	15	15	15	15
Dimensions	Length	mm (in)	460 (18-7/64)	540 (21-17/64)	630 (24-13/16)	630 (24-13/16)
	Height	mm (in)	1105 (43-1/2)	1224 (48-3/16)	1320 (51-31/32)	1320 (51-31/32)
	Depth	mm (in)	540 (21-17/64)	540 (21-17/64)	540 (21-17/64)	540 (21-17/64)
Weight	Net	kg (lb)	61.5 (135.6)	74.0 (163.1)	90.5 (199.5)	90.5 (199.5)
	Gross	kg (lb)	65.5 (144.4)	81.0 (178.6)	99.0 (218.3)	99.0 (218.3)
OUTDOOR UNIT SPECIFICATIONS						
Ambient Temperature	Cooling	°C (°F°)	-15 to 54 (5 to 129)			
	Heating	°C (°F°)	-30 to 24 (-22 to 75)			
Sound Pressure Level		dB(A)	60	61	62	62
Minimum Circuit Ampacity (MCA)		A	27.7	27.7	39.9	39.9
Maximum Overcurrent Protection (MOP)		A	30	30	45	45
Dimensions	Length	mm (in)	990 (39)	990 (39)	900 (35-25/64)	900 (35-25/64)
	Height	mm (in)	960 (37-51/64)	960 (37-51/64)	1260 (49-19/32)	1260 (49-19/32)
	Depth	mm (in)	370 (14-9/16)	370 (14-9/16)	340 (13-25/64)	340 (13-25/64)
Weight	Net	kg (lb)	85.0 (187.4)	85.0 (187.4)	109.5 (241.4)	109.5 (241.4)
	Gross	kg (lb)	96.0 (211.6)	96.0 (211.6)	119.5 (263.5)	119.5 (263.5)
REFRIGERATION SYSTEM						
Suction Line Size		mm (in)	ø 19 (3/4)	ø 19 (3/4)	ø 19 (3/4)	ø 19 (3/4)
Liquid Line Size		mm (in)	ø 9.52 (3/8)	ø 9.52 (3/8)	ø 9.52 (3/8)	ø 9.52 (3/8)
Standard Pipe Length		m (ft)	7.5 (24.6)	7.5 (24.6)	7.5 (24.6)	7.5 (24.6)
Maximum Pipe Length		m (ft)	30 (98.4)	30 (98.4)	30 (98.4)	30 (98.4)
Maximum Pipe Elevation		m (t)	15 (49.2)	15 (49.2)	15 (49.2)	15 (49.2)
Refrigerant Type / Charge		kg (oz)	R32 / 2.9 (102.3)	R32 / 2.9 (102.3)	R32 / 4.6 (162.3)	R32 / 4.6 (162.3)

\* **Note:** Optional auxiliary heater. Consult your certified technician for the MCA and MOP values required for the use of an electric auxiliary heater.

**Ultra Heat** (powerful heating at low ambient temperature): 100 % of heating capacity at -20 °C (-5 °F) / Stable operation at -30 °C (-22 °F)

**Ultra Cool** (powerful cooling at high ambient temperature): 100 % cooling capacity at 46 °C (115 °F) / Stable operation at 48 °C (118.4 °F)



Condensing Unit  
36,000 BTU/h



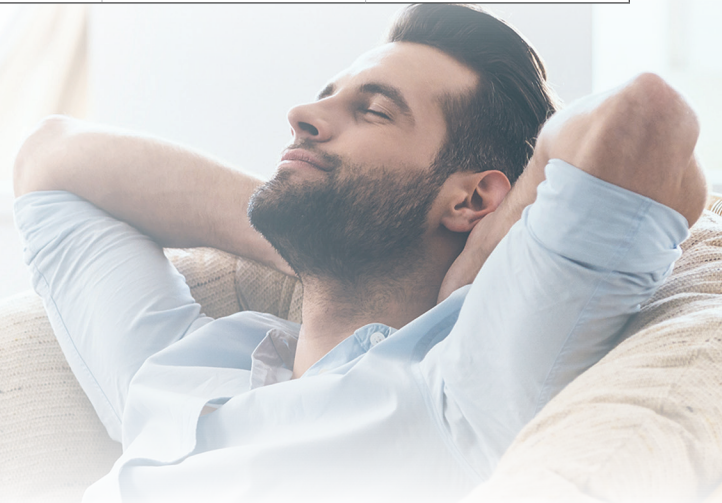
Condensing Unit  
60,000 BTU/h



Cased Coil  
UNIX R32

UNIX R32 / CASED COIL			24000 (24/36)	36000 (36/36)	48000 (48/60)	60000 (60/60)
Indoor Unit:			GCAC24F/NhA	GCAC36F/NhA	GCAC48H/NhA	GCAC60H/NhA
Outdoor Unit:			GUD36W2/NhE-D(U)	GUD36W2/NhE-D(U)	GUD60W2/NhE-D(U)	GUD60W2/NhE-D(U)
AHRI Reference Code:			216768109	216765692	216768110	216765694
Power Supply		V/Hz/Ph	208-230 / 60 / 1			
<b>SYSTEM PERFORMANCES</b>						
Rated Capacity	Cooling	BTU/h	23,000 (6,900 – 25,300)	32,000 (9,600 – 35,200)	48,000 (14,100 – 51,700)	52,000 (15,600 – 57,200)
	Heating	BTU/h	24,000 (7,200 – 26,400)	35,000 (10,500 – 38,500)	48,000 (14,400 – 52,800)	53,000 (16,200 – 59,400)
Rated Power Input	Cooling	kW	4.6	4.6	6.7	6.7
	Heating	kW	5.6	5.6	7.0	7.0
Rated Current	Cooling	A	22	22	31	31
	Heating	A	25.6	25.6	32	32
SEER 2		BTU/W·h	16.0	16.0	15.2	15.2
EER 2		BTU/W·h	11.0	11.0	10.0	9.5
HSPF 2		BTU/W·h	8.5	8.5	8.5	8.5
CoP at 8°C (47°F)		/	3.20	3.20	3.20	3.10
<b>INDOOR UNIT SPECIFICATIONS</b>						
Airflow Volume		m³/h (CFM)	1190 (700)	1291 (760)	1869 (1100)	2039 (1200)
Moisture Removal Capacity		L/h (pt/h)	3.66 (7.73)	5.33 (11.26)	7.10 (15.01)	8.15 (17.22)
Condensate Drain Diameter		mm (po)	ø 19 (3/4)	ø 19 (3/4)	ø 19 (3/4)	ø 19 (3/4)
Dimensions	Length	mm (in)	445 (17-1/2)	445 (17-1/2)	622 (24-1/2)	622 (24-1/2)
	Height	mm (in)	584 (23)	584 (23)	724 (28-1/2)	724 (28-1/2)
	Depth	mm (in)	540 (21-1/4)	540 (21-1/4)	540 (21-1/4)	540 (21-1/4)
Weight	Net	kg (lb)	34.0 (75.0)	34.0 (75.0)	50.0 (110.0)	50.0 (110.0)
	Gross	kg (lb)	38.0 (83.8)	38.0 (83.8)	56.0 (123.5)	56.0 (123.5)
<b>OUTDOOR UNIT SPECIFICATIONS</b>						
Ambient Temperature	Cooling	C° (F°)	-15 to 54 (5 to 129)			
	Heating	C° (F°)	-30 to 24 (-22 to 75)			
Sound Pressure Level		dB(A)	60	61	62	62
Minimum Circuit Ampacity (MCA)		A	27.7	27.7	39.9	39.9
Maximum Overcurrent Protection (MOP)		A	30	30	45	45
Dimensions	Length	mm (in)	990 (39)	990 (39)	900 (35-25/64)	900 (35-25/64)
	Height	mm (in)	960 (37-51/64)	960 (37-51/64)	1260 (49-19/32)	1260 (49-19/32)
	Depth	mm (in)	370 (14-9/16)	370 (14-9/16)	340 (13-25/64)	340 (13-25/64)
Weight	Net	kg (lb)	85.0 (187.4)	85.0 (187.4)	109.5 (241.4)	109.5 (241.4)
	Gross	kg (lb)	96.0 (211.6)	96.0 (211.6)	119.5 (263.5)	119.5 (263.5)
<b>REFRIGERATION SYSTEM</b>						
Suction Line Size		mm (in)	ø 19 (3/4)	ø 19 (3/4)	ø 19 (3/4)	ø 19 (3/4)
Liquid Line Size		mm (in)	ø 9.52 (3/8)	ø 9.52 (3/8)	ø 9.52 (3/8)	ø 9.52 (3/8)
Standard Pipe Length		m (ft)	7.5 (24.6)	7.5 (24.6)	7.5 (24.6)	7.5 (24.6)
Maximum Pipe Length		m (ft)	30 (98.4)	30 (98.4)	30 (98.4)	30 (98.4)
Maximum Pipe Elevation		m (t)	15 (49.2)	15 (49.2)	15 (49.2)	15 (49.2)
Refrigerant Type / Charge		kg (oz)	R32 / 2.9 (102.3)	R32 / 2.9 (102.3)	R32 / 4.6 (162.3)	R32 / 4.6 (162.3)

« **ONE-THIRD** OF THE  
WORLD'S AIR CONDITIONERS  
ARE **GREE-MADE.** »





## COMFORT EXPERTS AND WORLD-CLASS HEAT PUMPS

**GREE** Electric Appliances Inc. is the world's largest manufacturer of air conditioning and heating units.

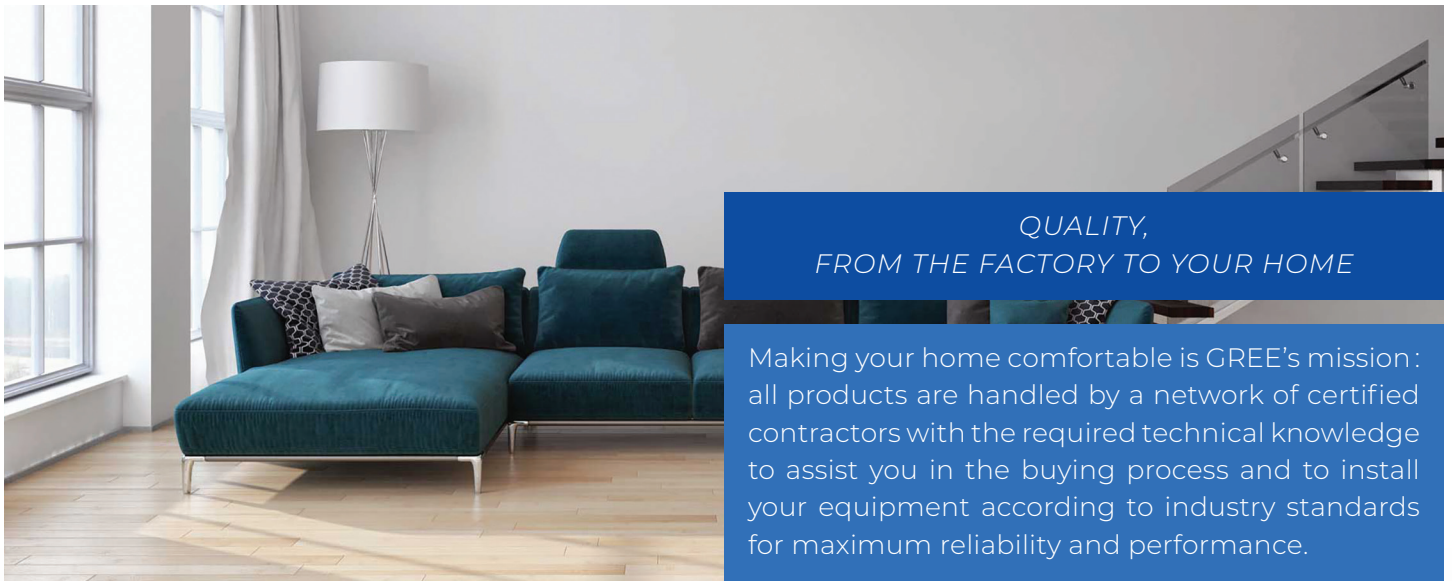
Wherever you go, on every continent, you will meet people who experience **GREE** comfort. In fact, 1 in 3 air conditioners sold worldwide is made by **GREE**. Think about it: it would be impossible to reach a 33% market share without a series of high quality control testing, innovative technologies and proven reliability.



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## 3,000 PATENTS, 300 LABS, 3 RESEARCH CENTRES, 5,000 ENGINEERS

Recognized as a world leader, **GREE** has earned this title with its advanced technology and innovation. Research and development are at the heart of the company's operations: **GREE** designs, develops and manufactures the various components of its products and thanks to specialized research institutes and product development centres, **GREE** is able to ensure the quality, consistency, reliability and energy efficiency of each of its products.



QUALITY,  
FROM THE FACTORY TO YOUR HOME

Making your home comfortable is GREE's mission: all products are handled by a network of certified contractors with the required technical knowledge to assist you in the buying process and to install your equipment according to industry standards for maximum reliability and performance.

*Affordable comfort you  
can trust from the world's  
largest manufacturer of air  
conditioners.*



Authorized Dealer

**GREE Canada** products are subject to continuous improvements. **GREE Canada** reserves the right to modify product design, specifications and information without notice and without incurring obligations.

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