

EXTREME

38 SEER



WALL-MOUNTED HEAT PUMPS
9, 12, 18 & 24,000 BTU

Equipped with GREE's two-stage *G10 Inverter* and *Ultra Heat* technologies, the **Extreme** achieves phenomenal efficiency levels of up to 80 % heating capacity at outdoor temperatures as low as -30 °C, keeping you reliably warm all winter long.



Ultra Heat



THE ALL NEW EXTREME WALL-MOUNTED HEAT PUMP SIMPLY THE BEST HEAT PUMP DESIGNED AND MANUFACTURED BY GREE

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.



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.

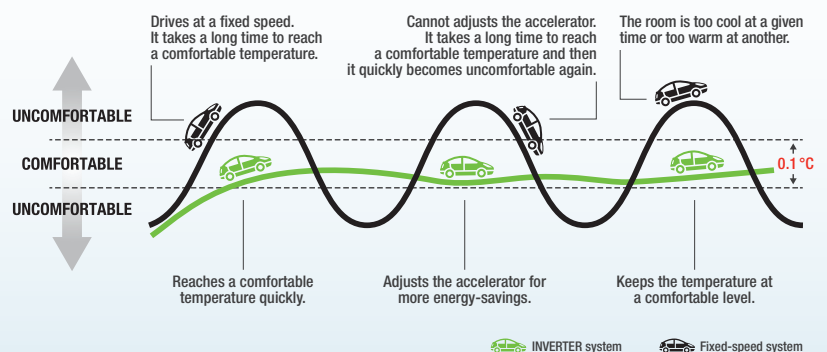


QUALITY, FROM THE FACTORY TO YOUR HOME

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.

G10 INVERTER TECHNOLOGY

GREE's G10 Inverter technology is the world leading core technology of DC Inverter air conditioners which delivers rapid cooling and heating, precise and stable temperature for optimum comfort and energy saving up to 60 %. This technology also ensures quieter operation by reducing compressor vibration and noise.



THE EXTREME THE IDEAL HEAT PUMP TO FACE OUR CANADIAN CLIMATE

GUARANTEED COMFORT DURING HEAT WAVES OR FREEZING COLD

GREE designs heat pumps adapted to the harsh conditions of our Canadian climate. The **Extreme** model offers cosy comfort, especially in periods of extreme cold, at temperatures as low as -30°C , without compromising performance and, above all, your well-being.

The outdoor units of the **Extreme** are equipped with a heated base that prevents condensate from freezing, ensuring full heating efficiency.



Base with heating element

ENERGY-SAVING TWO-STAGE COMPRESSOR

GREE self-developed *Triple-cylinder Two-stage Rotary Compressor of Variable Volume Ratio* technology achieves reliable heating performance in ultra-low ambient temperature.

	GREE TWO-STAGE COMPRESSOR	CONVENTIONAL COMPRESSOR
APPLICABLE TEMPERATURE RANGE	<p>Reliable operation within -30°C to 54°C.</p>	<p>Reliable operation within -15°C to 43°C.</p>
COOLING AND HEATING CAPACITY	<p>Heating capacity is improved by 30 %. Cooling capacity is improved by 35 %.</p>	<p>No improvement No improvement</p> <p>Heating capacity and cooling capacity is not improved.</p>
AIR OUTLET TEMPERATURE	<p>The highest temperature at outlet can reach 52°C in heating mode. The lowest temperature at air outlet is as low as 12°C in cooling mode.</p>	<p>The highest temperature at outlet can reach 40°C in heating mode. The lowest temperature at air outlet is as low as 17°C in cooling mode.</p>

FEATURES



Timer



Auto Cleaning



Automatic Operation



LED Display



Intelligent Defrosting



Compact Design



Clock Display



Turbo Mode



Sleep Mode



Cold Air Prevention



Self-Diagnosis



Auto Restart



Control Lock



Low Ambient Cooling



Low Ambient Heating



3D Airflow



WiFi Control



I Feel Mode



Health Filters



Wired Controller

○ Standard
● Optional

TECHNICAL SPECIFICATIONS

		HEAT PUMPS			
		9,000	12,000	18,000	24,000
Indoor Unit		GWH09AAD-D3DNA2A-I	GWH12AAD-D3DNA2A-I	GWH18AAE-D3DNA2A-I	GWH24AAE-D3DNA2A-I
Outdoor Unit		GWH09YD-D3DNA1A-O	GWH12YD-D3DNA1A-O	GWH18YE-D3DNA1A-O	GWH24YE-D3DNA1A-O
PERFORMANCE RATING / ELECTRICAL DATA					
Cooling capacity	BTU/hr	9,000 (1,535 – 12,966)	12,000 (3,100 – 13,000)	18,000 (7,165 – 20,001)	22,000 (6,824 – 27,296)
Heating capacity	BTU/hr	9,000 (2,388 – 13,648)	12,200 (3,071 – 18,766)	19,800 (7,336 – 23,498)	23,000 (6,824 – 30,708)
Voltage / Frequency	V/Hz/Ph	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1	208-230 / 60 / 1
Max. over current protection	A	15	15	30	35
SEER	BTU/W*hr	38	30.5	24.5	21.5
HSPF	BTU/W*hr	15.0	14.0	12.0	12.0
EER	BTU/W*hr	16.67	15.3	13.54	13.0
Cooling operating range	°C (°F)	-18 – 54 (0 – 129)	-18 – 54 (0 – 129)	-18 – 54 (0 – 129)	-18 – 54 (0 – 129)
Heating operating range	°C (°F)	-30 – 24 (-22 – 75)	-30 – 24 (-22 – 75)	-30 – 24 (-22 – 75)	-30 – 24 (-22 – 75)
Moisture removal	L/hr (pt/hr)	0.80 (1.69)	1.40 (2.96)	1.80 (3.8)	2.00 (4.23)
Indoor air circulation (SH/H/MH/M/ML/L/SL)	m³/h (CFM)	720 / 650 / 600 / 550 / 500 / 450 / 350 (424 / 383 / 353 / 324 / 294 / 265 / 206)	850 / 800 / 750 / 600 / 550 / 450 / 400 (500 / 471 / 441 / 353 / 324 / 265 / 235)	1250 / 1150 / 1050 / 950 / 850 / 780 / 600 (736 / 677 / 618 / 559 / 500 / 459 / 353)	1400 / 1300 / 1200 / 1100 / 1000 / 850 / 650 (824 / 765 / 706 / 647 / 588 / 500 / 383)
Indoor noise level (SH/H/MH/M/ML/L/SL)	dB(A)	45 / 40 / 38 / 36 / 33 / 31 / 19	49 / 46 / 43 / 40 / 37 / 34 / 22	51 / 48 / 45 / 42 / 39 / 36 / 34	54 / 49 / 46 / 43 / 40 / 37 / 34
Outdoor noise level	dB(A)	53	53	59	59
REFRIGERATION SYSTEM					
Liquid line	mm (in)	φ6 (1/4)	φ6 (1/4)	φ6 (1/4)	φ6 (1/4)
Suction line	mm (in)	φ12 (1/2)	φ12 (1/2)	φ16 (5/8)	φ16 (5/8)
Maximum line length	m (ft)	15 (49 7/32)	30 (98 13/32)	40 (131 7/32)	50 (164)
Maximum height difference	m (ft)	10 (32 13/16)	15 (49 7/32)	20 (65 19/32)	30 (98 1/2)
INDOOR UNIT					
Dimensions (W x H x D)	mm (in)	996 × 301 × 225 (39 7/32 × 11 27/32 × 8 27/32)	996 × 301 × 225 (39 7/32 × 11 27/32 × 8 27/32)	1101 × 327 × 249 (43 11/32 × 12 7/8 × 9 13/16)	1080 × 325 × 245 (42 1/2 × 12 13/16 × 9 21/32)
Net weight	kg (lb)	13.5 (29.8)	13.5 (29.8)	16.5 (36.4)	16 (35.3)
Gross weight	kg (lb)	16.5 (36.4)	16.5 (36.4)	20 (44.1)	19.5 (41.9)
OUTDOOR UNIT					
Dimensions (W x H x D)	mm (in)	899 × 596 × 378 (35 13/25 × 23 1/2 × 14 7/8)	899 × 596 × 378 (35 13/25 × 23 1/2 × 14 7/8)	980 × 790 × 427 (38 9/16 × 31 1/8 × 16 13/16)	980 × 790 × 427 (38 9/16 × 31 1/8 × 16 13/16)
Net weight	kg (lb)	45 (99.2)	45 (99.2)	64 (141.1)	67 (147.7)
Gross weight	kg (lb)	48 (105.8)	48 (105.8)	69 (152.1)	72 (158.8)

Affordable comfort you can trust from the world's largest air conditioner manufacturer.

To get comfortable, visit **GREE.CA**



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

Authorized dealer

