



# MULTI-ZONE

BROCHURE



**GREE's** Canadian division was founded in 2011 with one purpose : to offer Canadians the best residential & commercial comfort products in the world. Because of the distinctive Canadian climate, the importance of having durable, sustainable and powerful comfort products is crucial.

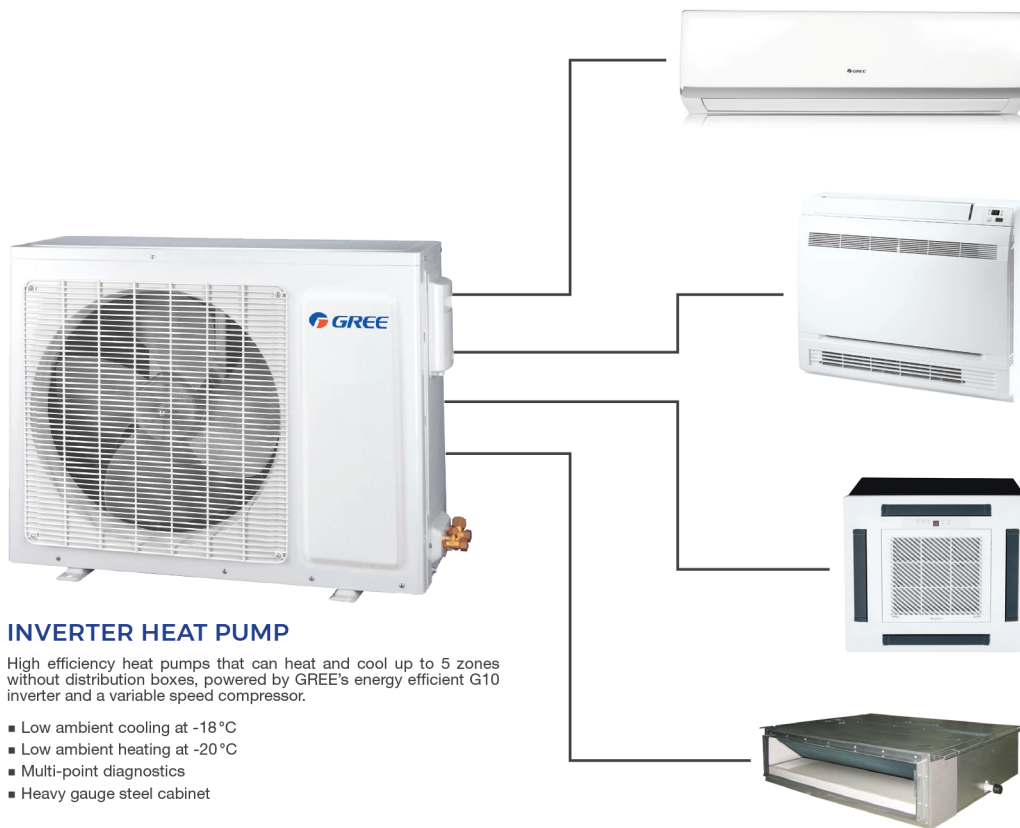
With **GREE**, this is exactly what you are going to get.

# THE MULTI-ZONE QUIET AND ENERGY EFFICIENT

## IDEAL FOR HEATING AND COOLING MULTIPLE ROOMS

### FLEXIBILITY TO SUIT YOUR COMFORT

GREE's multi-zone systems offer outstanding performance and reliable, affordable comfort in every room of your home, according on your needs. A multi-zone system is recommended for homes with a large living area in which separate comfort zones are required, as it offers greater flexibility, temperature control and a more precise comfort through a combination of two to five indoor units.



#### INVERTER HEAT PUMP

High efficiency heat pumps that can heat and cool up to 5 zones without distribution boxes, powered by GREE's energy efficient G10 inverter and a variable speed compressor.

- Low ambient cooling at -18 °C
- Low ambient heating at -20 °C
- Multi-point diagnostics
- Heavy gauge steel cabinet

#### WALL-MOUNTED UNITS

LOMO ductless wall-mounted units have a compact design, for quiet comfort and attractive appearance. The perfect option for your home or office needs.

#### FLOOR CONSOLES

GREE's floor consoles are aesthetically pleasing and the perfect size for any room. They can be mounted as low as six inches above the floor and have a front panel access to the filter for ease of cleaning.

#### CEILING CASSETTES

GREE's ceiling cassettes inconspicuously provide quiet performance through innovative design. These compact cassettes are extremely suitable for any room, and can be easily installed in suspended ceilings, leaving only a decorative grille visible.

#### SLIM DUCTS

Compact and powerful, GREE's concealed ducts offer the ultimate in flexibility and discretion. These slim ducts are designed to be concealed above suspended ceilings or within open closet spaces to deliver conditioned air via ducting and suitable ceiling or wall grilles.

## FEATURES



High Efficiency



Comprehensive Protection



Inner Copper Grooves



Intelligent Defrosting



Compact Design



Easy Maintainability



Turbo Mode



Self-Diagnosis



Lower Voltage Startup



Wide Voltage Range



Wide Operation Range



Auto Restart



Control Lock



Timer



Weekly Timer



Centralized Control



Long-Distance Monitoring



Wired Controller

## WALL-MOUNTED UNITS (LOMO 16)

### 9, 12, 18 & 24,000 BTU



Models:			GWH09QB	GWH12QC	GWH18QD	GWH24QE
Capacity	Heating	BTU/hr	9,500	13,000	19,000	23,000
	Cooling	BTU/hr	9,000	12,000	18,000	22,000
Airflow Volume		m <sup>3</sup> /hr (CFM)	540 / 490 / 410 / 290 (317 / 288 / 241 / 170)	680 / 540 / 410 / 330 (400 / 317 / 253 / 194)	800 / 685 / 580 / 480 (471 / 403 / 341 / 282)	1200 / 1100 / 1000 / 900 (706 / 647 / 588 / 529)
Noise Level		dB(A)	43 / 38 / 34 / 28	45 / 39 / 35 / 29	46 / 42 / 39 / 35	48 / 44 / 40 / 36
Dimensions	Width	mm (in)	790 (31 1/8)	845 (33 5/8)	970 (38 3/8)	1078 (42 1/2)
	Height	mm (in)	275 (10 3/4)	289 (11 1/2)	300 (11 3/4)	325 (12 3/4)
	Depth	mm (in)	200 (8 1/2)	200 (8 1/2)	224 (8 3/4)	242 (9 5/8)
Weight	Net	kg (lb)	9 (19.8)	10.5 (23.2)	13.5 (29.6)	17 (37.5)
	Gross	kg (lb)	11 (24.3)	12.5 (28.7)	16.5 (36.2)	20.5 (45.2)

## FLOOR CONSOLES

### 9, 12 & 18,000 BTU



GEH09AA	GEH12AA	GEH18AA
9,500	13,000	19,000
9,000	12,000	18,000
560 (330)	650 (383)	800 (471)
40 / 38 / 33 / 26	47 / 40 / 37 / 32	48 / 46 / 41 / 35
700 (27 5/8)	700 (27 5/8)	700 (27 5/8)
600 (23 5/8)	600 (23 5/8)	600 (23 5/8)
215 (8 1/2)	215 (8 1/2)	215 (8 1/2)
15 (33.1)	15 (33.1)	15 (33.1)
18 (39.7)	18 (39.7)	18 (39.7)

## SLIM DUCTS

### 9, 12, 18, 21 & 24,000 BTU

Models:			GFH09EA	GFH12EA	GFH18EA	GFH21EA	GFH24EA
Capacity	Heating	BTU/hr	9,500	13,100	18,700	22,600	27,400
	Cooling	BTU/hr	8,500	11,900	15,300	20,400	23,800
Airflow Volume		m <sup>3</sup> /hr (CFM)	450 / 300 / 250 (265 / 176 / 147)	550 / 400 / 300 (325 / 235 / 176)	700 / 600 / 500 (412 / 353 / 294)	1000 / 750 / 550 (589 / 441 / 323)	1000 / 750 / 550 (588 / 441 / 323)
Noise Level		dB(A)	37 / 34 / 31	39 / 35 / 32	41 / 37 / 33	42 / 38 / 34	42 / 38 / 34
Dimensions	Width	mm (in)	705 (27 3/4)	705 (27 3/4)	900 (35 3/8)	1100 (43 3/8)	1100 (43 3/8)
	Height	mm (in)	615 (24 1/4)	615 (24 1/4)	615 (24 1/4)	615 (24 1/4)	615 (24 1/4)
	Depth	mm (in)	200 (7 7/8)	200 (7 7/8)	200 (7 7/8)	200 (7 7/8)	200 (7 7/8)
Weight	Net	kg (lb)	22 (48.5)	23 (50.7)	27 (59.5)	31 (68.3)	31 (68.3)
	Gross	kg (lb)	27 (59.5)	29 (63.9)	36 (79.4)	41 (90.4)	41 (90.4)

## CEILING CASSETTES

### 12, 18 & 24,000 BTU



GKH12BA	GKH18BA	GKH24BA
13,000	16,000	27,400
12,000	14,400	22,800
600 / 500 / 450 (353 / 294 / 265)	600 / 500 / 450 (353 / 294 / 265)	1180 / 950 / 850 (694 / 559 / 500)
42 / 39 / 37	43 / 41 / 39	44 / 42 / 40
570 (22 13/32)	570 (22 13/32)	840 (33 1/8)
570 (22 13/32)	570 (22 13/32)	840 (33 1/8)
230 (9 1/16)	230 (9 1/16)	240 (9 13/32)
18 (39.7)	18 (39.7)	28 (61.7)
23 (50.7)	23 (50.7)	35 (77.2)

## OUTDOOR UNITS – 18, 24, 30, 36 & 42,000 BTU



Models:			GWHD18ND3G-0	GWHD24ND3G-0	GWHD30ND3G-0*	GWHD36ND3G-0*	GWHD42ND3G-0*
Capacity	Heating	BTU/hr	19,000	26,000	30,000	42,500	45,004
	Cooling	BTU/hr	18,000	24,000	28,400	34,000	39,000
Connectable IDUs		–	2	2 to 3	2 to 4	2 to 5	2 to 5
SEER		BTU/W*hr	22	21	21	21	21
HSPF		BTU/W*hr	10.5	10.5	10.5	10.5	10.2
Maximum Overcurrent Protection		A	25	30	30	35	40
Airflow Volume		m <sup>3</sup> /hr (CFM)	3200 (1883)	4000 (2354)	4000 (2354)	7700 (4531)	7700 (4531)
Sound Level		dB(A)	56	59	59	61	61
Maximum Pipe Length (total)		m (ft)	20 (66)	60 (197)	70 (230)	75 (246)	75 (246)
Maximum Pipe Length (from ODU to last IDU)		m (ft)	10 (33)	20 (66)	25 (82)	25 (82)	25 (82)
Maximum Pipe Elevation (between ODU and IDUs)		m (ft)	10 (33)	10 (33)	15 (50)	15 (50)	15 (50)
Maximum Pipe Elevation (between IDUs)		m (ft)	10 (33)	10 (33)	8 (25)	8 (25)	8 (25)
Dimensions	Width	mm (in)	955 (37 19/32)	980 (38 9/16)	980 (38 9/16)	1087 (42 13/16)	1087 (42 13/16)
	Height	mm (in)	700 (27 9/16)	790 (31 1/8)	790 (31 1/8)	1103 (43 7/16)	1103 (43 7/16)
	Depth	mm (in)	396 (15 19/32)	427 (16 13/16)	427 (16 13/16)	440 (17 11/32)	440 (17 11/32)
Weight	Net	kg (lb)	52 (114.6)	69.5 (153.2)	70 (154.3)	90 (198.4)	90 (198.4)
	Gross	kg (lb)	56.5 (124.6)	74.5 (164.2)	75 (165.3)	98 (216.1)	98 (216.1)

All combinations are ENERGY STAR qualified, with the exception of combinations including a ducted indoor unit and/or a 42,000 BTU outdoor unit.

\* See table on the following page for allowable combinations within this connectable capacity range.

# ALLOWABLE COMBINATIONS AND CAPACITIES

GWHD18ND3			
Zone 1	Zone 2	Total BTU	Capacity
9,000	9,000	18,000	100%
9,000	12,000	21,000	116.7%

GWHD24ND3				
Zone 1	Zone 2	Zone 3	Total BTU	Capacity
9,000	9,000	0	18,000	75%
9,000	12,000	0	21,000	87.5%
9,000	15,000	0	24,000	100%
9,000	18,000	0	27,000	112.5%
12,000	12,000	0	24,000	100%
12,000	15,000	0	27,000	112.5%
12,000	18,000	0	30,000	125%
9,000	9,000	9,000	27,000	112.5%
9,000	9,000	12,000	30,000	125%

GWHD30ND3					
Zone 1	Zone 2	Zone 3	Zone 4	Total BTU	Capacity
9,000	9,000	0	0	18,000	60%
9,000	12,000	0	0	21,000	70%
9,000	15,000	0	0	24,000	80%
9,000	18,000	0	0	27,000	90%
12,000	12,000	0	0	24,000	80%
12,000	15,000	0	0	27,000	90%
12,000	18,000	0	0	30,000	100%
15,000	15,000	0	0	30,000	100%
15,000	18,000	0	0	33,000	110%
18,000	18,000	0	0	36,000	120%
9,000	9,000	9,000	0	27,000	90%
9,000	9,000	12,000	0	30,000	100%
9,000	9,000	15,000	0	33,000	110%
9,000	9,000	18,000	0	36,000	120%
9,000	12,000	12,000	0	33,000	110%
9,000	12,000	15,000	0	36,000	120%
12,000	12,000	12,000	0	36,000	120%
9,000	9,000	9,000	9,000	36,000	120%

GWHD36ND3						
Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Total BTU	Capacity
9,000	9,000	0	0	0	18,000	50%
9,000	12,000	0	0	0	21,000	58.3%
9,000	15,000	0	0	0	24,000	66.7%
9,000	18,000	0	0	0	27,000	75%
9,000	21,000	0	0	0	30,000	83.3%
9,000	24,000	0	0	0	33,000	91.7%
12,000	12,000	0	0	0	24,000	66.7%
12,000	15,000	0	0	0	27,000	75%
12,000	18,000	0	0	0	30,000	83.3%
12,000	21,000	0	0	0	33,000	91.7%
12,000	24,000	0	0	0	36,000	100%
15,000	15,000	0	0	0	30,000	83.3%
15,000	18,000	0	0	0	33,000	91.7%
18,000	18,000	0	0	0	36,000	100%
18,000	21,000	0	0	0	39,000	108.3%
18,000	24,000	0	0	0	42,000	116.7%
21,000	21,000	0	0	0	42,000	116.7%
21,000	24,000	0	0	0	45,000	125%
9,000	9,000	9,000	0	0	27,000	75%
9,000	9,000	12,000	0	0	30,000	83.3%
9,000	9,000	15,000	0	0	33,000	91.7%
9,000	9,000	18,000	0	0	36,000	100%
9,000	9,000	21,000	0	0	39,000	108.3%
9,000	9,000	24,000	0	0	42,000	116.7%
9,000	12,000	12,000	0	0	33,000	91.7%
9,000	12,000	15,000	0	0	36,000	100%
9,000	12,000	18,000	0	0	39,000	108.3%
9,000	12,000	21,000	0	0	42,000	116.7%
9,000	12,000	24,000	0	0	45,000	125%
9,000	15,000	15,000	0	0	39,000	108.3%
9,000	15,000	18,000	0	0	42,000	116.7%
9,000	18,000	18,000	0	0	45,000	125%
12,000	12,000	12,000	0	0	36,000	100%
12,000	12,000	15,000	0	0	39,000	108.3%
12,000	12,000	18,000	0	0	42,000	116.7%
12,000	12,000	21,000	0	0	45,000	125%
9,000	9,000	9,000	9,000	0	36,000	100%
9,000	9,000	9,000	12,000	0	39,000	108.3%
9,000	9,000	9,000	15,000	0	42,000	116.7%
9,000	9,000	9,000	18,000	0	45,000	125%
9,000	9,000	12,000	12,000	0	42,000	116.7%
9,000	9,000	9,000	9,000	9,000	45,000	125%
9,000	12,000	12,000	12,000	0	45,000	125%



All combinations are ENERGY STAR qualified, with the exception of combinations including a ducted indoor unit and/or a 42,000 BTU outdoor unit.

GWHD42ND3						
Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Total BTU	Capacity
9,000	9,000	0	0	0	18,000	42.9%
9,000	12,000	0	0	0	21,000	50%
9,000	15,000	0	0	0	24,000	57.1%
9,000	18,000	0	0	0	27,000	64.3%
9,000	21,000	0	0	0	30,000	71.4%
9,000	24,000	0	0	0	33,000	78.6%
12,000	12,000	0	0	0	24,000	57.1%
12,000	15,000	0	0	0	27,000	64.3%
12,000	18,000	0	0	0	30,000	71.4%
12,000	21,000	0	0	0	33,000	78.6%
15,000	21,000	0	0	0	36,000	85.7%
12,000	24,000	0	0	0	36,000	85.7%
15,000	24,000	0	0	0	39,000	92.9%
15,000	15,000	0	0	0	30,000	71.4%
18,000	18,000	0	0	0	36,000	85.7%
18,000	21,000	0	0	0	39,000	92.9%
18,000	24,000	0	0	0	42,000	100%
21,000	21,000	0	0	0	42,000	100%
21,000	24,000	0	0	0	45,000	107.1%
24,000	24,000	0	0	0	48,000	114.3%
9,000	9,000	9,000	0	0	27,000	64.3%
9,000	9,000	12,000	0	0	30,000	71.4%
9,000	9,000	15,000	0	0	33,000	78.6%
9,000	9,000	18,000	0	0	36,000	85.7%
9,000	9,000	21,000	0	0	39,000	92.9%
9,000	9,000	24,000	0	0	42,000	100%
9,000	12,000	12,000	0	0	33,000	78.6%
9,000	12,000	15,000	0	0	36,000	85.7%
9,000	12,000	18,000	0	0	39,000	92.9%
9,000	12,000	21,000	0	0	42,000	100%
9,000	12,000	24,000	0	0	45,000	107.1%
9,000	15,000	15,000	0	0	39,000	92.9%
9,000	15,000	18,000	0	0	42,000	100%
9,000	18,000	18,000	0	0	45,000	107.1%
9,000	15,000	21,000	0	0	45,000	107.1%
9,000	18,000	21,000	0	0	48,000	114.3%
9,000	15,000	24,000	0	0	48,000	114.3%
9,000	18,000	24,000	0	0	51,000	121.4%
9,000	21,000	21,000	0	0	51,000	121.4%
12,000	12,000	12,000	0	0	36,000	85.7%
12,000	12,000	15,000	0	0	39,000	92.9%
12,000	12,000	18,000	0	0	42,000	100%
12,000	12,000	21,000	0	0	45,000	107.1%
12,000	12,000	24,000	0	0	48,000	114.3%
12,000	15,000	15,000	0	0	39,000	92.9%
12,000	15,000	18,000	0	0	42,000	100%
12,000	15,000	21,000	0	0	45,000	107.1%
12,000	15,000	24,000	0	0	48,000	114.3%
12,000	18,000	21,000	0	0	48,000	114.3%
12,000	18,000	24,000	0	0	51,000	121.4%
9,000	9,000	9,000	9,000	0	36,000	85.7%
9,000	9,000	9,000	12,000	0	39,000	92.9%
9,000	9,000	9,000	15,000	0	42,000	100%
9,000	9,000	9,000	18,000	0	45,000	107.1%
9,000	9,000	9,000	21,000	0	48,000	114.3%
9,000	9,000	9,000	24,000	0	51,000	121.4%
9,000	9,000	12,000	12,000	0	42,000	100%
9,000	9,000	12,000	15,000	0	45,000	107.1%
9,000	9,000	12,000	18,000	0	48,000	114.3%
9,000	9,000	12,000	21,000	0	51,000	121.4%
9,000	9,000	12,000	24,000	0	54,000	128.6%
9,000	12,000	12,000	18,000	0	48,000	114.3%
9,000	12,000	12,000	21,000	0	51,000	121.4%
9,000	12,000	12,000	24,000	0	54,000	128.6%
9,000	12,000	15,000	15,000	0	51,000	121.4%
9,000	12,000	15,000	18,000	0	54,000	128.6%
9,000	12,000	15,000	21,000	0	57,000	135.7%
9,000	12,000	15,000	24,000	0	60,000	142.9%
9,000	15,000	15,000	15,000	0	54,000	128.6%
9,000	15,000	15,000	18,000	0	57,000	135.7%
9,000	15,000	15,000	21,000	0	60,000	142.9%
9,000	15,000	15,000	24,000	0	63,000	150%
9,000	15,000	18,000	15,000	0	60,000	142.9%
9,000	15,000	18,000	18,000	0	63,000	150%
9,000	15,000	18,000	21,000	0	66,000	157.1%
9,000	15,000	18,000	24,000	0	69,000	164.3%
9,000	18,000	18,000	18,000	0	63,000	150%
9,000	18,000	18,000	21,000	0	66,000	157.1%
9,000	18,000	18,000	24,000	0	69,000	164.3%
9,000	18,000	21,000	18,000	0	72,000	171.4%
9,000	18,000	21,000	21,000	0	75,000	178.6%
9,000	18,000	21,000				