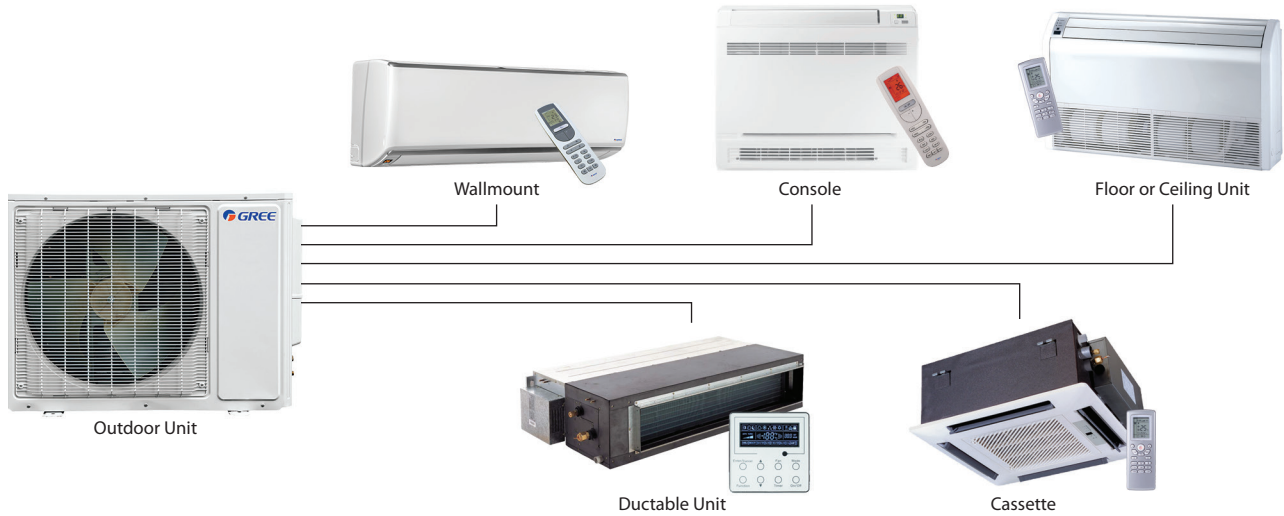




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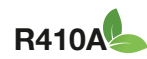
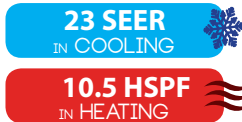
Ductless MultiZone Heat Pump



Performance up to



Up to



Features

Operation mode

- Cooling, heating, dehumidifying, fan and auto.

Nominal capacity

- 18000, 22000, 36000, 42000 BTU/hr.

Voltage

- 230/208V, 60 Hz, 1-phase.

Outdoor unit

- Variable speed rotary compressor (INVERTER), with overload protection.
- Electronic expansion valve for precise control of refrigerant flow.
- Condenser fins covered with a hydrophilic coating for improved corrosion resistance.

- Large diameter quiet axial-flow fan for more efficient heat exchange.
- Smart pan heater to prevent ice formation.
- Compressor blanket and preheating technology.

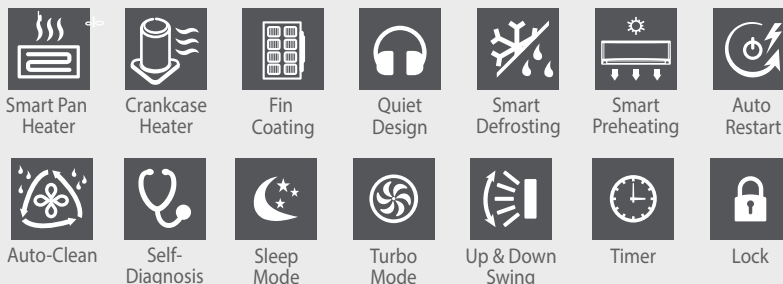
Connection piping

- Minimum piping length of 10 ft. (3 m).
- Flared connections.

Application

- Dining room-kitchen, living room, family room, commercial building, office building, condo, restaurant.

Includes



FREE MATCH ULTRA HEAT

Outdoor Unit Models

Product #			GWHD18ND3J0	GWHD24ND3J0	GWHD36ND3J0	GWHD42ND3J0
Technical Performance						
Number of connectable indoor unit		-	1 to 2	2 to 3	2 to 4	2 to 5
Voltage		Volts	230/208	230/208	230/208	230/208
Cooling capacity	Nominal	W (BTU/hr)	5 300 (18 000)	6 450 (22 000)	10 550 (36 000)	12 300 (42 000)
	Min. – max.	W (BTU/hr)	2 015 - 6 155 (6 998 - 21 001)	2 198 - 9 672 (7 500 - 33 000)	2 600 - 12 500 (8 871 - 42 650)	2 600 - 12 600 (10 235 - 42 990)
Heating capacity	Nominal	W (BTU/hr)	6 150 (21 000)	7 650 (26 000)	10 550 (36 000)	12 300 (42 000)
	Min. – max.	W (BTU/hr)	2 052 - 7 600 (7 000 - 26 000)	2 198 - 9 100 (7 500 - 31 000)	2 600 - 12 460 (8 871 - 42 515)	3 000 - 13 700 (10 235 - 46 744)
Used cooling power input	Nominal	W	1450	1760	4020	4660
Used heating power input	Nominal	W	1710	2090	3300	3600
MCA		A	22	26	32	32
Max. over-current protection (MOCP)		A	35	40	60	60
SEER		-	23	23	23	23
HSPF		-	10.5	10.5	10	10
EER		W/W	12.5	12.5	9	9
COP		W/W	3.6	3.6	3.2	3.4
ENERGY STAR		-	✓	✓	-	-
Air flow volume		cfm	2530	2530	3060	3060
Sound level		dB (A)	58	60	62	62
Compressor power input		W	14.9	17	27	28.5
Fan motor power output		W	90	90	90	90
Refrigerant volume (R410A)		oz (g)	77.6 (2200)	95 (2700)	158 (4500)	176 (5000)
Net weight		lb (kg)	171 (78)	171 (78)	282 (128)	282 (128)
Operating ambient temperature	Cooling	°C (°F)	-18 to 48 (0 to 118)			
	Heating	°C (°F)	-35 to 24 (-31 to 75.2)			
Connection Piping/Refrigerant						
Pre-charge length		ft. (m)	65.6 (20)	98.4 (30)	131 (40)	131 (40)
Additional refrigerant charge		oz/ft. (g/m)	0.2 (20)	0.2 (20)	0.2 (20)	0.2 (20)
Liquid pipe outer diameter		in.	1/4	1/4	1/4	1/4
Gas pipe outer diameter		in.	3/8	3/8	3/8	3/8
Max. height difference outdoor to indoor unit		ft. (m)	26.2 (8)	26.2 (8)	49.21 (15)	49.21 (15)
Max. height difference between indoor units		ft. (m)	26.2 (8)	26.2 (8)	49.21 (15)	49.21 (15)
Max. length outdoor to last indoor unit		ft. (m)	82 (25)	82 (25)	82 (25)	82 (25)
Max. total length		ft. (m)	164 (50)	229.7 (70)	246.1 (75)	262.5 (80)



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Indoor Unit Models

LOMO Wallmount

Product #			GWH09QC-D3DNB6D/I	GWH12QC-D3DNB6D/I	GWH18QD-D3DNB6G/I	GWH24QE-D3DNB6D/I
Cooling capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)	5275 (18000)	6448 (22000)
Heating capacity	Nominal	W (BTU/hr)	3224 (11000)	3810 (13000)	5800 (19800)	6741 (23000)
Dehumidification		pt/hr (l/hr)	1.69 (0.80)	2.96 (1.40)	3.80 (1.80)	4.23 (2.00)
Air flow volume	Min. - max.	cfm	171 / 377	171 / 400	335 / 559	530 / 706
Sound level	Min. - max.	dB (A)	29 / 43	29 / 45	39 / 47	36 / 48
Dimension	L x H x D	in. (mm)	33 1/4 x 11 3/8 x 8 1/4 (845 x 289 x 209)	33 1/4 x 11 3/8 x 8 1/4 (845 x 289 x 209)	38 3/16 x 11 13/16 x 8 13/16 (970 x 300 x 224)	42 7/16 x 12 13/16 x 9 11/16 (1078 x 325 x 246)
Net Weight		lb (kg)	22 (10)	22 (10)	28 (13)	34 (15)
Liquid pipe outer diameter		in.	1/4	1/4	1/4	1/4
Gas pipe outer diameter		in.	3/8	1/2	5/8	5/8

Console

Product #			GEH09AA-D3DNA1C/I	GEH12AA-D3DNA1C/I
Cooling capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)
Heating capacity	Nominal	W (BTU/hr)	2784 (9500)	3810 (13000)
Dehumidification		pt/hr (l/hr)	1.69 (0.80)	2.96 (1.40)
Air flow volume	Min. - max.	cfm	188 / 382	206 / 441
Sound level	Min. - max.	dB (A)	26 / 40	32 / 43
Dimension	L x H x D	in. (mm)	27 5/8 x 23 5/8 x 8 1/2 (701 x 599 x 216)	27 5/8 x 23 5/8 x 8 1/2 (701 x 599 x 216)
Net Weight		lb (kg)	33 (15)	33 (15)
Liquid pipe outer diameter		in.	1/4	1/4
Gas pipe outer diameter		in.	3/8	3/8

Floor or Ceiling Unit

Product #			GTH09BA-D3DNA1A/I	GTH12BA-D3DNA1A/I	GTH18BA-D3DNA1A/I	GTH24BA-D3DNA1A/I
Cooling capacity	Nominal	W (BTU/hr)	2500 (8500)	3500 (11900)	5000 (17000)	6680 (22800)
Heating capacity	Nominal	W (BTU/hr)	2800 (9500)	3850 (13100)	5500 (18700)	8030 (27400)
Dehumidification		pt/hr (l/hr)	1.69 (0.80)	2.96 (1.40)	3.80 (1.80)	5.28 (2.50)
Air flow volume	Min. - max.	cfm	265 / 383	265 / 383	294 / 559	412 / 736
Sound level	Min. - max.	dB (A)	36 / 40	36 / 40	40 / 45	44 / 48
Dimension	L x H x D	in. (mm)	48 x 27 5/8 x 8 7/8 (1219 x 701 x 226)	48 x 27 5/8 x 8 7/8 (1219 x 701 x 226)	48 x 27 5/8 x 8 7/8 (1219 x 701 x 226)	48 x 27 5/8 x 8 7/8 (1219 x 701 x 226)
Net Weight		lb (kg)	88 (40)	88 (40)	88 (40)	99 (45)
Liquid pipe outer diameter		in.	1/4	1/4	1/4	3/8
Gas pipe outer diameter		in.	3/8	1/2	1/2	5/8

Ductable Unit

Product #			GFH09EA-D3DNA1A/I	GFH12EA-D3DNA1A/I	GFH18EA-D3DNA1A/I	GFH24EA-D3DNA1A/I
Cooling capacity	Nominal	W (BTU/hr)	2491 (8500)	3488 (11900)	4484 (15300)	6975 (23800)
Heating capacity	Nominal	W (BTU/hr)	2784 (9500)	3839 (13100)	5480 (18700)	8030 (27400)
Dehumidification		pt/hr (l/hr)	1.69 (0.80)	2.96 (1.40)	3.80 (1.80)	5.28 (2.50)
Air flow volume	Min. - max.	cfm	147 / 265	176 / 324	294 / 412	324 / 588
Sound level	Min. - max.	dB (A)	31 / 37	32 / 39	33 / 41	34 / 42
Dimension	L x H x D	in. (mm)	27 5/8 x 7 7/8 x 24 3/16 (701 x 201 x 615)	27 5/8 x 7 7/8 x 24 3/16 (701 x 201 x 615)	35 3/8 x 7 7/8 x 24 3/16 (899 x 201 x 615)	43 5/16 x 7 7/8 x 24 3/16 (1100 x 201 x 615)
Net Weight		lb (kg)	49 (22)	51 (23)	60 (27)	68 (31)
Liquid pipe outer diameter		in.	1/4	1/4	1/4	3/8
Gas pipe outer diameter		in.	3/8	3/8	1/2	5/8

Cassette

Product #			GKH12BB-D3DNA3A/I	GKH18BB-D3DNA3A/I	GKH24BC-D3DNA4A/I
Cooling capacity	Nominal	W (BTU/hr)	3500 (12000)	4500 (14400)	6682 (22800)
Heating capacity	Nominal	W (BTU/hr)	3800 (13000)	5000 (16000)	8030 (27400)
Dehumidification		pt/hr (l/hr)	2.96 (1.40)	3.80 (1.80)	5.28 (2.50)
Air flow volume	Min. - max.	cfm	265 / 353	265 / 353	500 / 694
Sound level	Min. - max.	dB (A)	42 / 46	42 / 46	35 / 39
Unit Dimension	L x H x D	in. (mm)	22 3/8 x 9 1/8 x 22 3/8 (569 x 231 x 569)	22 3/8 x 9 1/8 x 22 3/8 (569 x 231 x 569)	33 1/8 x 9 1/2 x 33 1/8 (841 x 241 x 841)
Grille Dimension	L x H x D	in. (mm)	25 1/2 x 1 7/8 x 25 1/2 (648 x 48 x 648)	25 1/2 x 1 7/8 x 25 1/2 (648 x 48 x 648)	37 3/8 x 2 5/16 x 37 3/8 (950 x 58 x 950)
Net Weight		lb (kg)	40 (18)	40 (18)	62 (28)
Liquid pipe outer diameter		in.	1/4	1/4	3/8
Gas pipe outer diameter		in.	3/8	1/2	5/8

Note that each unit is individually packaged.



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To order

1 Choose the outdoor unit based on the system capacity required.

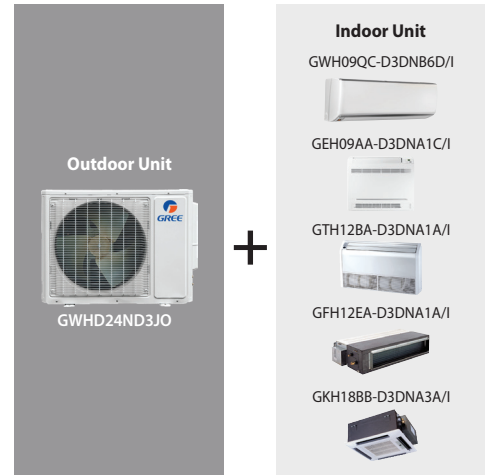
2 Choose the appropriate indoor unit combination by referring to the combination table below.
Refer to the legend to find the product # of the indoor units you want to order.

Note that each unit is individually packaged.

Example:

Outdoor unit required:
GWHD24ND3JO

Indoor unit combination chosen:
09 + 09 + 12 + 12 + 18



Combination Table

Outdoor Unit	2 Indoor Units
GWHD18ND3JO	09 + 09
	09 + 12
	12 + 12

Outdoor Unit	2 Indoor Units	3 Indoor Units
	GWHD24ND3JO	09 + 09
09 + 12		09 + 09 + 12
09 + 18		09 + 09 + 18
12 + 12		09 + 12 + 12
12 + 18		12 + 12 + 12
18 + 18		-

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units
	GWHD36ND3JO	09 + 09	09 + 09 + 09
09 + 12		09 + 09 + 12	09 + 09 + 09 + 12
09 + 18		09 + 09 + 18	09 + 09 + 09 + 18
09 + 24		09 + 09 + 24	09 + 09 + 09 + 24
12 + 12		09 + 12 + 12	09 + 09 + 12 + 12
12 + 18		09 + 12 + 18	09 + 09 + 12 + 18
12 + 24		09 + 12 + 24	09 + 09 + 12 + 24
18 + 18		09 + 18 + 18	09 + 09 + 18 + 18
18 + 24		09 + 18 + 24	09 + 12 + 12 + 12
24 + 24		12 + 12 + 12	09 + 12 + 12 + 18
-		12 + 12 + 18	12 + 12 + 12 + 12
-		12 + 12 + 24	12 + 12 + 12 + 18
-		12 + 18 + 18	-
-		12 + 18 + 24	-
-	18 + 18 + 18	-	

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units	5 Indoor Units
	GWHD42ND3JO	09 + 09	09 + 09 + 09	09 + 09 + 09 + 09
09 + 12		09 + 09 + 12	09 + 09 + 09 + 12	09 + 09 + 09 + 09 + 12
09 + 18		09 + 09 + 18	09 + 09 + 09 + 18	09 + 09 + 09 + 09 + 18
09 + 24		09 + 09 + 24	09 + 09 + 09 + 24	09 + 09 + 09 + 09 + 24
12 + 12		09 + 12 + 12	09 + 09 + 12 + 12	09 + 09 + 09 + 12 + 12
12 + 18		09 + 12 + 18	09 + 09 + 12 + 18	09 + 09 + 09 + 12 + 18
12 + 24		09 + 12 + 24	09 + 09 + 12 + 24	09 + 09 + 09 + 18 + 18
18 + 18		09 + 18 + 18	09 + 09 + 18 + 18	09 + 09 + 12 + 12 + 12
18 + 24		09 + 18 + 24	09 + 09 + 18 + 24	09 + 09 + 12 + 12 + 18
24 + 24		09 + 24 + 24	09 + 12 + 12 + 12	09 + 12 + 12 + 12 + 12
-		12 + 12 + 12	09 + 12 + 12 + 18	09 + 12 + 12 + 12 + 18
-		12 + 12 + 18	09 + 12 + 12 + 24	12 + 12 + 12 + 12 + 12
-		12 + 12 + 24	09 + 12 + 18 + 18	-
-		12 + 18 + 18	09 + 12 + 18 + 24	-
-		12 + 18 + 24	09 + 18 + 18 + 18	-
-		12 + 24 + 24	12 + 12 + 12 + 12	-
-		18 + 18 + 18	12 + 12 + 12 + 18	-
-		18 + 18 + 24	12 + 12 + 12 + 24	-
-	-	12 + 12 + 18 + 18	-	

Legend

Code	BTU/hr
09	9000 BTU/hr
12	12000 BTU/hr
18	18000 BTU/hr
24	24000 BTU/hr



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