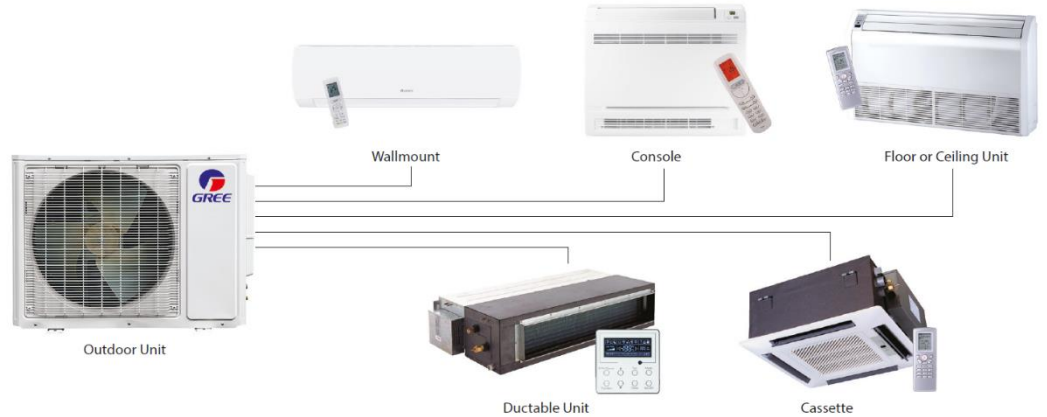


Free Match

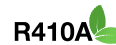
Ductless Multizone Heat Pump



Performance up to



Up to



Eligible for certain government programs¹

Features

Operation mode
Nominal capacity
Voltage
Outdoor unit

- Cooling, heating, dehumidifying, fan and auto.
- 18000, 24000, 30000, 36000, 42000 BTU/hr.
- 230/208V, 60 Hz, 1-phase.
- 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.

Warranty

- **10+2 year parts and 10+2 year compressor basic warranty (labor not included).***

Application

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

¹ Validate your eligibility for government programs base on your regions and heat pump model.

Includes



Optional



*10 year standard warranty. Additional 2 year extended warranty when product is registered and/or proof of installation

Outdoor Unit Models

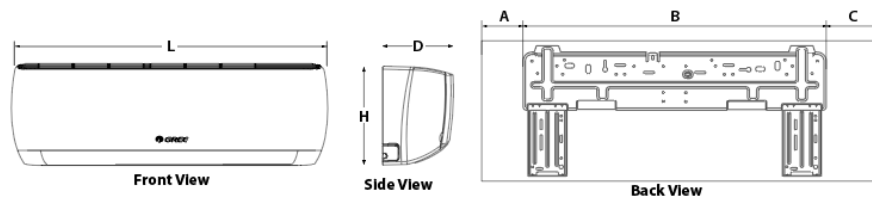
Product #			GWHD(18)ND3MO	GWHD(24)ND3MO	GWHD(30)ND3MO	GWHD(36)ND3MO	GWHD(42)ND3MO
Qty							
Technical Performance							
Number of connectable indoor unit		-	1 to 2	2 to 3	2 to 4	2 to 4	2 to 5
Voltage		Volts	230/208	230/208	230/208	230/208	230/208
Cooling capacity	Nominal	W (BTU/hr)	4982 (17000)	6800 (23200)	8300 (28400)	9970 (34000)	10550 (36000)
	Min. – max.	W (BTU/hr)	2052 - 5744 (7000 - 19600)	2200 - 9200 (7500 - 31400)	2400 - 10000 (8190 - 34100)	2600 - 10500 (8871 - 35826)	2600 - 12000 (8871 - 40944)
Heating capacity	Nominal	W (BTU/hr)	5275 (18000)	7030 (24000)	8792 (30000)	10550 (36000)	11720 (40000)
	Min. – max.	W (BTU/hr)	2052 - 5744 (7000 - 19600)	2200 - 9200 (7500 - 31400)	2400 - 12000 (8188 - 40900)	2600 - 13000 (8871 - 44356)	2600 - 13500 (8871 - 46062)
Used cooling power input	Nominal	W	1420	1860	2270	2830	3000
Used heating power input	Nominal	W	1380	1800	2250	2900	3020
MCA	A		20	25	30	30	30
Max. over-current protection (MOCP)	A		20	25	35	45	45
SEER2	-		21	21	21	21	21
HSPF2	-		10	10	10	10	10
EER	W/W		3.52	3.66	3.66	3.52	3.52
COP	W/W		3.82	3.91	3.91	3.64	3.88
AHRI number	-		208786089	208786090	208786091	208786087	208786088
ENERGY STAR	-		✓	✓	✓	✓	✓
Air flow volume	cfm		1354	2236	3413	3413	3413
Sound level	dB (A)		64	68	74	74	74
Compressor power input	W		1295	1887	2047	2294	2294
Compressor LRA	A		-	-	-	-	-
Compressor RLA	A		9.95	12.1	14.25	18.2	18.4
Fan motor power output	W		30	60	130	130	130
Refrigerant volume (R410A)	oz (g)		45.9 (1300)	84.7 (2400)	105.8 (3000)	130.5 (3700)	134 (3800)
Dimension L x H x D	in. (mm)		32 3/8 x 21 11/16 x 13 7/8 (822 x 550 x 352)	37 15/16 x 26 x 15 13/16 (964 x 660 x 402)	40 1/8 x 32 1/2 x 17 5/16 (1020 x 826 x 427)	40 1/8 x 32 1/2 x 17 5/16 (1020 x 826 x 427)	40 1/8 x 32 1/2 x 17 5/16 (1020 x 826 x 427)
Net weight	lb (kg)		77 (35)	115 (52)	152 (69)	172 (78)	174 (79)
Operating ambient temperature	Cooling	°C (°F)	-30 to 48 (-22 to 118)				
	Heating	°C (°F)	-30 à 24 (-22 à 75)				
Connection Piping/Refrigerant							
Pre-charge length	ft. (m)		33 (10)	98 (30)	131 (40)	131 (40)	131 (40)
Additional refrigerant charge	oz/ft. (g/m)		0.2 (20)	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	1/4
Gas pipe outer diameter	in.		3/8	3/8	3/8	3/8	3/8
Max. height difference outdoor to indoor unit	ft. (m)		49 (15)	49 (15)	82 (25)	82 (25)	82 (25)
Max. total length	ft. (m)		131 (40)	197 (60)	262 (80)	262 (80)	328 (100)

Indoor Unit Models Wallmounted

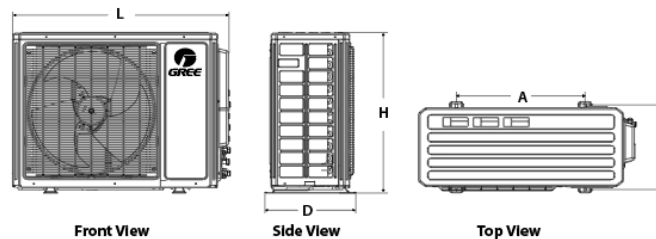
Product #		GWH09AFCXD-D3DNA1A/I	GWH12AFCXD-D3DNA1A/I	GWH18AFDXF-D3DNA1A/I	GWH24AFEXH-D3DNA1A/I	
Qty						
Cooling capacity	Nominal	W (BTU/hr)	2667 (9100)	3517 (12000)	5275 (18000)	6450 (22000)
	Min. – max.	W (BTU/hr)	450 - 3150 (1535 - 10748)	900 - 4132 (3070 - 14100)	1500 - 6200 (5118 - 21154)	2600 - 8200 (8870 - 28000)
Heating capacity	Nominal	W (BTU/hr)	3077 (10500)	3517 (12000)	5275 (18000)	7040 (24000)
	Min. – max.	W (BTU/hr)	1000 - 4300 (3412 - 14671)	900 - 4543 (3071 - 15500)	1500 - 6200 (5118 - 21154)	2100 - 9000 (7200 - 30708)
Dehumidification		pt/hr (l/hr)	1.69 (0.8)	2.96 (1.4)	3.8 (1.8)	5 (2.40)
Air flow volume		cfm	353 / 323 / 294 / 264 / 235 / 176 / 158	400 / 364 / 329 / 288 / 264 / 247 / 229	589 / 500 / 441 / 412 / 383 / 353 / 324	736 / 588 / 530 / 471 / 441 / 412 / 383
Sound level		dB (A)	50 / 47 / 45 / 42 / 39 / 36 / 35	53 / 48 / 46 / 44 / 42 / 40 / 37	59 / 53 / 51 / 50 / 47 / 43 / 39	62 / 54 / 52 / 49 / 48 / 46 / 44
Fan motor power output		W	15	15	45	60
Fan motor RLA		A	0.22	0.20	0.35	0.30
Deflector stepper motor power output		W	1.5	1.5	1.5	1.5
Dimension L x H x D		in. (mm)	32 1/2 x 11 1/2 x 7 23/32 (825 x 293 x 196)	32 1/2 x 11 1/2 x 7 23/32 (825 x 293 x 196)	39 3/16 x 12 1/4 x 8 11/16 (995 x 311 x 221)	43 1/2 x 13 7/64 x 9 11/16 (1105 x 333 x 246)
Net weight		lb (kg)	21 (9.5)	21 (9.5)	29 (13.5)	35 (16)
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

Note that each unit is individually packaged.

Indoor Unit



Outdoor Unit



Indoor Unit	L		H		D		A		B		C	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
GWH09AFCXD-D3DNA1A/I GWH12AFCXD-D3DNA1A/I	32 1/2	825	11 1/2	293	7 23/32	196	5 7/8	149	21 5/16	542	8 1/32	204
GWH18AFDXF-D3DNA1A/I	39 3/16	995	12 1/4	311	8 11/16	221	8 1/2	203	27	686	9 1/4	235
GWH24AFEXH-D3DNA1A/I	43 1/2	1105	13 7/64	333	9 11/16	246	8 1/2	203	27	686	9 1/4	235

Outdoor Unit	L		H		D		A		B	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
GWHD(18)ND3MO	32 3/8	822	21 11/16	550	13 7/8	352	20 5/32	512	13 5/64	332
GWHD(24)ND3MO	37 15/16	964	26	660	15 13/16	402	22	559	14 1/2	368
GWHD(30)ND3MO GWHD(36)ND3MO GWHD(42)ND3MO	40 1/8	1020	32 1/2	826	17 5/16	427	24 13/16	630	14 13/16	376

Console

Product #			GEH(09)AA-D3DNA1C/I	GEH(12)AA-D3DNA1C/I
Qty				
Cooling capacity	Nominal	W (BTU/hr)	2638 (9000)	3517 (12000)
Heating capacity	Nominal	W (BTU/hr)	2784 (9500)	3810 (13000)
Dehumidication		pt/hr (l/hr)	1.69 (0.8)	2.96 (1.40)
Air flow volume	Min. - max.	cfm	188 / 382	206 / 441
Sound level	Min. - max.	dB (A)	25 / 40	27 / 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 #			GTH(09)CA-D3DNA1A/I	GTH(12)CA-D3DNA1A/I	GTH(18)CA-D3DNA1A/I	GTH(24)CB-D3DNA2A/I
Qty						
Cooling capacity	Nominal	W (BTU/hr)	2491 (8500)	3488 (11900)	4982 (17000)	6682 (22800)
Heating capacity	Nominal	W (BTU/hr)	2784 (9500)	3839 (13100)	5480 (18700)	8030 (27400)
Dehumidication		pt/hr (l/hr)	1.69 (0.8)	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	3/8	1/2	5/8

Ductable Unit

Product #			GFH(09)EA-D3DNA1A/I	GFH(12)EA-D3DNA1A/I	GFH(18)EA-D3DNA1A/I	GFH(24)EA-D3DNA1A/I
Qty						
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)
Dehumidication		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
ESP		InWg	0.25/0.4	0.3/0.4	0.32/0.4	0.35/0.4
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 #			GKH12EB-D3DNA5A/I	GKH18EB-D3DNA5A/I	GKH24EC-D3DNA6A/I
Qty					
Cooling capacity	Nominal	W (BTU/hr)	3517 (12000)	4500 (15354)	6682 (22800)
Heating capacity	Nominal	W (BTU/hr)	3810 (13000)	4982 (17000)	8030 (27400)
Dehumidication		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.

Free Match - Gree

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: GWHD(24)ND3M-O

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



Legend

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

Combination Table

Outdoor Unit	2 Indoor Units
GWHD18ND3MO	09 + 09
	09 + 12
	12 + 12

Outdoor Unit	2 Indoor Units	3 Indoor Units
GWHD24ND3MO	09 + 09	09 + 09 + 09
	09 + 12	09 + 09 + 12
	09 + 18	-
	12 + 12	-
	12 + 18	-

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units
MPD30KCH21SB-O	09 + 09	09 + 09 + 09	09 + 09 + 09 + 09
	09 + 12	09 + 09 + 12	09 + 09 + 09 + 12
	09 + 18	09 + 09 + 18	-
	12 + 12	09 + 12 + 12	-
	12 + 18	09 + 12 + 18	-
	18 + 18	12 + 12 + 12	-

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units	5 Indoor Units
GWHD36ND3MO	09 + 09	09 + 09 + 09	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 + 24	09 + 09 + 24	09 + 09 + 12 + 12	-
	12 + 12	09 + 12 + 12	09 + 09 + 12 + 18	-
	12 + 18	09 + 12 + 18	09 + 12 + 12 + 12	-
	12 + 24	09 + 12 + 24	12 + 12 + 12 + 12	-
	18 + 18	09 + 18 + 18	-	-
	18 + 24	09 + 18 + 24	-	-
	24 + 24	12 + 12 + 12	-	-
	-	12 + 12 + 18	-	-
	-	12 + 12 + 24	-	-
	-	12 + 18 + 18	-	-
	-	12 + 18 + 24	-	-

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units	5 Indoor Units
GWHD42ND3MO	09 + 09	09 + 09 + 09	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 + 12 + 12
	12 + 12	09 + 12 + 12	09 + 09 + 12 + 12	09 + 09 + 12 + 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 + 09 + 18 + 24	-
	24 + 24	09 + 24 + 24	09 + 12 + 12 + 12	-
	-	12 + 12 + 12	09 + 12 + 12 + 18	-
	-	12 + 12 + 18	09 + 12 + 12 + 24	-
	-	12 + 12 + 24	09 + 12 + 18 + 18	-
	-	12 + 18 + 18	09 + 12 + 18 + 24	-
	-	12 + 18 + 24	09 + 18 + 18 + 18	-
	-	18 + 18 + 18	12 + 12 + 12 + 12	-
	-	-	12 + 12 + 12 + 18	-

The combinations in red represent the combinations that offer 100% performance of the system in heating mode.

It is important that the sum power of the indoor units does not exceed 133% of the power of the outdoor unit.

Specifications may change without prior notice

Project:	Approval Information
Consultant Engineer:	
Electrical Contractor:	
Distributor:	
Date:	
Contact Airtek:	
Comments:	