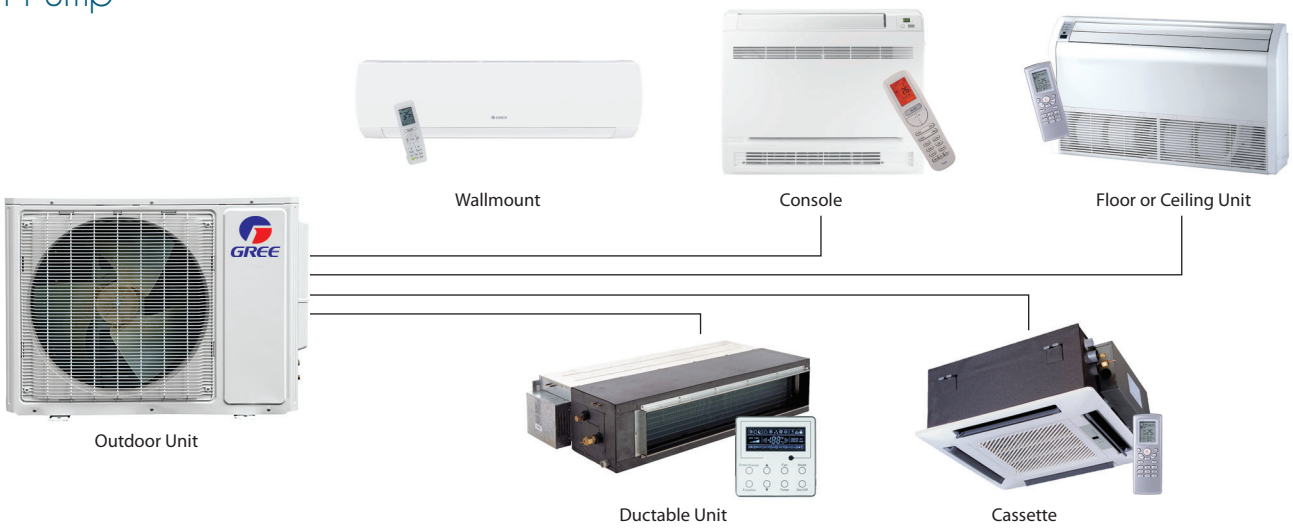
Free Match

Ductless Multizone Heat Pump



Performance up to

-30°C -22°F Cooling

-30°C -22°F Heating

Up to

21 SEER IN COOLING

10 HSPF IN HEATING

GREE

ETL c US · AHRI CERTIFIED® www.ahridirectory.org · INVERTER · R410A · ENERGY STAR

Features

Operation mode
- Cooling, heating, dehumidifying, fan and auto.

Nominal capacity
- 18000, 24000, 30000, 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

Smart Pan Heater · Crankcase Heater · Fin Coating · Quiet Design · Smart Defrosting · Smart Preheating · Auto Restart · Auto-Clean · Self-Diagnosis

Sleep Mode · Turbo Mode · Up & Down Swing · Left & Right Swing · Timer · I Feel · Lock · Wireless Remote

Optional

Wall Controller · Wi-Fi

3400, Industriel boulevard, Sherbrooke (Qc) J1L 1V8 CANADA - Phone: (819) 346-8493 - 1 800 4567-2733 - Fax: (819) 346-8468 - info@dettson.ca - www.dettson.com

Free Match

Outdoor Unit Models

Product #			GWHD(18)ND3MO	GWHD(24)ND3MO	GWHD(30)ND3MO	GWHD(36)ND3MO	GWHD(42)ND3MO
Technical Performance							
Number of connectable indoor unit		-	1 to 2	2 to 3	2 to 4	2 to 5	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 (SEER)		-	21 (21)	21 (21)	21 (21)	21 (21)	21 (21)
HSPF2 (HSPF)		-	10 (10)	10 (10)	10 (10)	10 (10)	10 (10)
EER2 (EER)		W/W	12 (3.52)	12.5 (3.66)	12.5 (3.66)	12 (3.52)	12 (3.52)
COP		W/W	3.82	3.91	3.91	3.64	3.88
AHRI number		-					
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)
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
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
Net Weight		lb (kg)	21 (9.5)	21 (9.5)	29 (13.5)	35 (16)

Note that each unit is individually packaged.

Free Match

Indoor Unit Models

Console

Product #			GEH(09)AA-D3DNA1C/I	GEH(12)AA-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)**	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
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)
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	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
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
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 #			GKH(12)BB-D3DNA3A/I	GKH(18)BB-D3DNA3A/I	GKH(24)BC-D3DNA4A/I
Cooling capacity	Nominal	**W (BTU/hr)**	3517 (12000)	4500 (15354)	6682 (22800)
Heating capacity	Nominal	**W (BTU/hr)**	3810 (13000)	4982 (17000)	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.

Free Match

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(42)ND3MO

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

Outdoor Unit

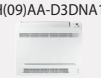
GWHD(42)ND3MO

+

Indoor Unit

GWH09AFCXD-D3DNA1A/I

GEH(09)AA-D3DNA1C/I



GTH(12)CA-D3DNA1A/I

GFH(12)EA-D3DNA1A/I

GKH(18)BB-D3DNA3A/I

Combination Table[1]

Outdoor Unit	2 Indoor Units
GWHD(18)ND3MO	09 + 09
	09 + 12

Outdoor Unit	2 Indoor Units	3 Indoor Units
GWHD(24)ND3MO	09 + 09	09 + 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
GWHD(30)ND3MO	09 + 09	09 + 09 + 09	09 + 09 + 09 + 09
	09 + 12	09 + 09 + 12	09 + 09 + 09 + 12
	09 + 18	09 + 09 + 18	09 + 09 + 12 + 12
	12 + 12	09 + 12 + 12	-
	12 + 18	09 + 12 + 18	-
	18 + 18	12 + 12 + 12	-
	-	12 + 12 + 18	-

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units
GWHD(36)ND3MO	09 + 09	09 + 09 + 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 + 18 + 18
	18 + 18	09 + 18 + 18	09 + 12 + 12 + 12
	18 + 24	09 + 18 + 24	09 + 12 + 12 + 18
	24 + 24	12 + 12 + 12	12 + 12 + 12 + 12
	-	12 + 12 + 18	-
	-	12 + 12 + 24	-
	-	12 + 18 + 18	-
	-	18 + 18 + 18	-

Outdoor Unit	2 Indoor Units	3 Indoor Units	4 Indoor Units	5 Indoor Units
GWHD(42)ND3MO	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 + 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 + 18 + 18	09 + 09 + 09 + 18 + 18
	18 + 18	09 + 18 + 18	09 + 12 + 12 + 12	09 + 09 + 12 + 12 + 12
	18 + 24	09 + 18 + 24	09 + 12 + 12 + 18	09 + 09 + 12 + 12 + 18
	24 + 24	09 + 24 + 24	09 + 12 + 12 + 24	09 + 12 + 12 + 12 + 12
	-	12 + 12 + 12	09 + 12 + 18 + 18	09 + 12 + 12 + 12 + 18
	-	12 + 12 + 18	09 + 18 + 18 + 18	12 + 12 + 12 + 12 + 12
	-	12 + 12 + 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

Dettson
3400, boulevard Industriel
Sherbrooke, Québec
J1L 1V8 Canada

T 1.819.346.8493
TF 1.800.567.2733
F 1.819.822.4227
info@dettson.ca
www.dettson.com

Specifications are subject to change without notice