

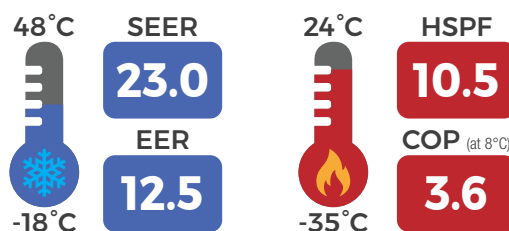


MULTI-ZONE SYSTEM

FREE MATCH

EXTREME *Ultra Heat*

SERIES



OPTIMAL PERFORMANCE IN THE HARSHTEST OF CLIMATES...

Using state-of-the-art technologies, **Free Match Extreme** high-efficiency heat pumps provide both powerful “ULTRA” heating and cooling in two to three separate areas. Each indoor unit can be independently controlled to provide the right temperature for each zone.

IDEAL FOR THE CANADIAN CLIMATE

Each coil on **Free Match Extreme** outdoor condensing units has a corrosion-resistant coating to ensure optimum energy efficiency in the most extreme climates.



FEATURES AND BENEFITS:



HIGH EFFICIENCY



COMPREHENSIVE PROTECTION



INNER COPPER GROOVES



INTELLIGENT DEFROSTING



EASY MAINTAINABILITY



TURBO MODE



SELF-DIAGNOSIS



LOW VOLTAGE START-UP



AUTO RESTART



CONTROL LOCK



TIMER



COMPACT DESIGN



WIRED CONTROLLER



INCLUDED FUNCTION



OPTIONAL FUNCTION

- Can power up to 5 indoor units
- Low voltage start-up
- Fins with anti-corrosion coating
- Self-diagnosis function
- Automatic defrost function
- Heavy gauge steel cabinet
- Eco-friendly R410A refrigerant



18 000 & 24 000 BTU/hr
condensing units



36 000 & 42 000 BTU/hr
condensing units

CONDENSING UNITS			GWHD(18)ND3J/O	GWHD(24)ND3J/O	GWHD(36)ND3J/O	GWHD(42)ND3J/O
AHRI code (without / with duct):			202557960 / 206340206	202557961 / 204630890	202557962 / 204630891	202557963 / 204630892
Connectable Indoor Units		—	2	2 to 3	2 to 4	2 to 5
Power Supply		V/Hz/Ph	208-230 / 60 / 1			
SYSTEM PERFORMANCE						
Capacity	Cooling	BTU/hr	18 000 (6 998 – 21 001)	22 000 (7 500 – 30 000)	36 000 (8 871 – 35 826)	42 000 (10 236 – 38 214)
	Heating	BTU/hr	21 000 (7 000 – 26 000)	26 000 (7 500 – 31 000)	36 000 (8 871 – 44 356)	42 000 (10 236 – 46 744)
Power Input	Cooling	W	1450	1760	4020	4660
	Heating	W	1710	2090	3300	3600
SEER	BTU/W*hr		23.0	23.0	23.0	23.0
EER	BTU/W*hr		12.5	12.5	9.0	9.0
HSPF	BTU/W*hr		10.5	10.5	10.0	10.0
COP	W/W		3.6	3.6	3.21	3.4
Energy Star®	—		YES	YES	NO	NO
OUTDOOR UNIT SPECIFICATIONS						
Ambient Temperature	Cooling	°C (°F)	-18 to 48 (0 to 118)		-18 to 46 (0 to 115)	
	Heating	°C (°F)	-35 to 24 (-31 to 75)			
Airflow Volume	m³/hr (CFM)		4300 (2531)	4300 (2531)	5200 (3060)	5200 (3060)
Sound Pressure Level	dB(A)		58	60	62	62
Minimum Circuit Ampacity (MCA)	A		23	23	36	38
Maximum Overcurrent Protection (MOP)	A		35	40	60	60
Dimensions	W x H x D	mm (in)	1003 x 790 x 417 (39-31/64 x 31-7/64 x 16-13/32)	1003 x 790 x 417 (39-31/64 x 31-7/64 x 16-13/32)	1095 x 1103 x 440 (43-7/64 x 43-27/64 x 17-21/64)	1095 x 1103 x 440 (43-7/64 x 43-27/64 x 17-21/64)
Weight	Net / Gross	kg (lb)	78 / 83 (172 / 183)	79 / 84 (174.2 / 185.2)	127 / 135 (280 / 297.7)	128 / 136 (282.2 / 299.9)
REFRIGERATION SYSTEM						
Suction Line Size	mm (in)		ø 9.52 (3/8)	ø 9.52 (3/8)	ø 9.52 (3/8)	ø 9.52 (3/8)
Liquid Line Size	mm (in)		ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)	ø 6.35 (1/4)
Minimum Pipe Length	m (ft)		3 (9.8)	3 (9.8)	3 (9.8)	3 (9.8)
Maximum Pipe Length	m (ft)		25 (82.0)	25 (82.0)	25 (82.0)	25 (82.0)
Max. Pipe Length (from ODU to last IDU)	m (ft)		50 (164.0)	70 (230.0)	75 (246.1)	80 (262.5)
Maximum Pipe Elevation	m (ft)		8 (26.2)	8 (26.2)	15 (49.2)	15 (49.2)
Refrigerant Type / Charge	kg (oz)		R410A / 2.2 (77.6)	R410A / 2.7 (95.2)	R410A / 4.5 (158.8)	R410A / 5.0 (176.4)

INDOOR UNITS

To allow you to tailor your comfort solution, the **Free Match Extreme** heating and cooling system can combine up to 5 indoor units from an assortment of mini floor consoles, slim ducts and ceiling cassettes (see the **Free Match** brochure for technical data on these products) as well as wall-mounted units from the following ranges:



LOMO 23 SERIES

This ductless wall-mounted unit has a compact design that blends well with any home decor, the perfect option for your home or office needs.



CROSSOVER SERIES

As one of the only heat pumps that can heat in extreme temperatures, it is your ally in dealing with our cold Canadian climates.



Remote control
VV1FB7F (included)



Wired thermostat
XE-41 (in option)



Remote control
YAP1F (included)



Wired thermostat
XE-71 (in option)

- G10 Inverter technology
- Optional WiFi module
- Swing louver control
- Multiple fan speed
- Adjustable LED display
- Control lock
- Washable dust filters

- G10 Inverter technology
- WiFi control (GREE+ app)
- Swing louver control
- Multiple fan speed
- Adjustable LED display
- Control lock
- Washable dust filters



MINI FLOOR CONSOLE

The mini-console is aesthetically pleasing and the perfect size for any room. It can be installed 15 cm (6 inches) off the floor and its front panel allows access to the filter for easy cleaning.



Remote control
YT1FF (included)

- 4-way discharge air
- Multiple fan speed
- Swing louver control
- Comfortable Sleep mode
- Dry coil mode for anti-mildew protection
- Washable dust filters



CEILING CASSETTE

The ceiling cassette offers discreet performance through an innovative design. It is suitable for any room and can be easily installed in ceilings, leaving only a decorative grille visible.



Remote control
YT1FF (included)



Wired controller
XK-19 (in option)

- Decorative grille (included)
- 4-way discharge air
- Multiple fan speed
- Control lock
- Swing louver control
- Recovery after a power failure
- Internal condensate drain pump
- Sentry float switch
- Washable dust filters



SLIM DUCT

The slim duct (high or low static) offers an extremely discreet and compact solution. In addition, this indoor unit frees up a maximum amount of space to minimize the impact on decor.



Wired controller
XK-19 (in option)

- Low static pressure capability (for low static ducts)
- High static pressure capability (for high static ducts)
- Alternate return air from bottom or rear
- Internal condensate drain pump
- Sentry float switch
- Slim line construction (7-7/8" high)

LOMO 23 WALL-MOUNT UNIT			GWH09QC-D3DNA5D/I	GWH12QC-D3DNA5D/I	GWH18QD-D3DNA5G/I	GWH24QE-D3DNA5D/I
Power Supply		V/Hz/Ph	208-230 / 60 / 1 (supplied by the outdoor unit)			
Capacity	Cooling	BTU/hr	9 000 (3 100 – 9 600)	12 000 (3 100 – 13 000)	18 000 (6 800 – 20 000)	22 000 (6 824 – 27 296)
	Heating	BTU/hr	11 000 (1 911 – 12 000)	13 000 (2 400 – 14 000)	19 800 (7 340 – 23 500)	23 000 (6 824 – 30 708)
Moisture Removal Capacity		L/hr (pt/hr)	0.80 (1.69)	1.40 (2.96)	1.80 (3.80)	2.00 (4.23)
Airflow Volume		m³/hr (CFM)	640 / 490 / 410 / 290 (377 / 288 / 241 / 171)	640 / 490 / 410 / 290 (377 / 288 / 241 / 171)	950 / 830 / 700 / 570 (559 / 488 / 412 / 335)	1200 / 1100 / 1000 / 900 (706 / 647 / 589 / 530)
Sound Pressure Level		dB(A)	43 / 39 / 35 / 29	45 / 39 / 35 / 29	47 / 43 / 40 / 39	48 / 44 / 40 / 36
Dimensions	W x H x D	mm (in)	845 x 289 x 209 (33-1/4 x 11-3/8 x 8-7/32)	845 x 289 x 209 (33-1/4 x 11-3/8 x 8-7/32)	970 x 300 x 224 (38-3/16 x 11-13/16 x 8-13/16)	1078 x 325 x 246 (42-7/16 x 12-25/32 x 9-11/16)
Weight	Net / Gross	kg (lb)	11 / 13 (24.3 / 28.7)	11 / 13 (24.3 / 28.7)	12.5 / 15.5 (27.6 / 34.2)	15.5 / 19 (34.2 / 41.9)

CROSSOVER WALL-MOUNT UNIT			GWH09AGCXD-D3DNA2A/I	GWH12AGCXD-D3DNA2A/I	GWH18AGDXF-D3DNA2A/I	GWH24AGEXH-D3DNA2A/I
Power Supply		V/Hz/Ph	208-230 / 60 / 1 (supplied by the outdoor unit)			
Capacity	Cooling	BTU/hr	9100 (1535 – 10748)	12000 (3071 – 14098)	18000 (5118 – 21154)	22000 (8870 – 28000)
	Heating	BTU/hr	10500 (3412 – 14672)	12000 (3071 – 15501)	18000 (5118 – 21154)	24000 (7200 – 30708)
Moisture Removal Capacity		L/hr (pt/hr)	0.80 (1.69)	1.40 (2.96)	1.80 (3.80)	2.40 (5.07)
Airflow Volume		m³/hr (CFM)	600/550/500/450/400/300/270 (353/324/294/265/235/177/159)	680/620/560/490/450/420/390 (400/365/330/288/265/247/230)	1000/850/750/700/650/600/550 (589/500/441/412/383/353/324)	1250/1000/900/800/750/700/650 (736/588/530/471/441/412/383)
Sound Pressure Level		dB(A)	40 / 37 / 35 / 32 / 29 / 26 / 25	43 / 38 / 36 / 34 / 32 / 30 / 27	49 / 43 / 41 / 40 / 37 / 33 / 29	52 / 44 / 42 / 39 / 38 / 36 / 34
Dimensions	W x H x D	mm (in)	825 x 293 x 196 (32-1/2 x 11-1/2 x 7-11/16)	825 x 293 x 196 (32-1/2 x 11-1/2 x 7-11/16)	982 x 311 x 221 (38-5/8 x 12-1/4 x 8-3/4)	1075 x 333 x 246 (42-5/16 x 13-1/8 x 9-11/16)
Weight	Net / Gross	kg (lb)	9.5 / 11.5 (20.9 / 25.4)	9.5 / 11.5 (20.9 / 25.4)	13.5 / 16.0 (35.3 / 29.8)	16.0 / 19.0 (35.3 / 41.9)

MINI FLOOR CONSOLE			GEH(09)AA-D3DNA1C/I	GEH(12)AA-D3DNA1C/I	GEH(18)AA-D3DNA1C/I
Power Supply		V/Hz/Ph	208-230 / 60 / 1 (powered by the outdoor unit)		
Capacity	Cooling	BTU/hr	8 873	11 946	18 089
	Heating	BTU/hr	9 556	12 969	19 795
Moisture Removal Capacity		L/hr (pt/hr)	0.80 (1.69)	1.40 (2.96)	1.80 (3.80)
Airflow Volume		m³/hr (CFM)	500 / 430 / 410 / 330 / 280 / 230 (294 / 253 / 241 / 194 / 165 / 147)	600 / 520 / 481 / 400 / 360 / 280 (353 / 306 / 283 / 235 / 212 / 165)	650 / 620 / 550 / 410 / 320 (383 / 365 / 324 / 265 / 241 / 188)
Sound Pressure Level		dB(A)	40 / 38 / 36 / 33 / 30 / 27 / 25	42 / 40 / 38 / 37 / 35 / 32 / 27	48 / 46 / 44 / 41 / 37 / 35 / 32
Dimensions	Width	mm (in)	700 (27-9/16)	700 (27-9/16)	700 (27-9/16)
	Height	mm (in)	600 (23-5/8)	600 (23-5/8)	600 (23-5/8)
	Depth	mm (in)	215 (8-1/2)	215 (8-1/2)	215 (8-1/2)
Weight	Net	kg (lb)	15 (33)	15 (33)	15 (33)
	Gross	kg (lb)	18 (40)	18 (40)	18 (40)

CEILING CASSETTE			GKH(12)BB-D3DNA3A/I	GKH(18)BB-D3DNA3A/I	GKH(24)BC-D3DNA4A/I
Power Supply	V/Hz/Ph		208-230 / 60 / 1 (powered by the outdoor unit)		
Capacity	Cooling	BTU/hr	12000	14400	22800
	Heating	BTU/hr	13000	16000	27400
Moisture Removal Capacity	L/hr (pt/hr)		1.40 (2.96)	1.80 (3.80)	2.50 (5.28)
Airflow Volume	m³/hr (CFM)		560 / 520 / 450 (330 / 306 / 265)	670 / 590 / 450 (394 / 347 / 265)	1220 / 1100 / 880 (718 / 647 / 518)
Sound Pressure Level	dB(A)		44 / 41 / 38 / 34	47 / 45 / 41 / 35	47 / 45 / 41 / 36
Dimensions	Width	mm (in)	595 (23-1/2)	595 (23-1/2)	840 (33-1/16)
	Height	mm (in)	595 (23-1/2)	595 (23-1/2)	840 (33-1/16)
	Depth	mm (in)	241 (9-1/2)	241 (9-1/2)	241 (9-1/2)
Weight	Net	kg (lb)	20.0 (44.1)	20.0 (44.1)	26.0 (57.3)
	Gross	kg (lb)	24.0 (52.9)	24.0 (52.9)	32.0 (70.6)
DECORATIVE GRILLE SPECIFICATIONS			TC03	TC03	TC04
Dimensions	Width	mm (in)	670 (26-3/8)	670 (26-3/8)	950 (37-9/16)
	Height	mm (in)	670 (26-3/8)	670 (26-3/8)	950 (37-9/16)
	Depth	mm (in)	50 (2)	50 (2)	60 (2-3/8)
Weight	Net	kg (lb)	1.37 (3.5)	1.37 (3.5)	3.18 (7)
	Gross	kg (lb)	2.28 (5)	2.28 (5)	4.99 (11)

LOW STATIC SLIM DUCT			GFH(09)EA-D3DNA1A/I	GFH(12)EA-D3DNA1A/I	GFH(18)EA-D3DNA1A/I	GFH(21)EA-D3DNA1A/I	GFH(24)EA-D3DNA1A/I
Power Supply	V/Hz/Ph		208-230 / 60 / 1 (powered by the outdoor unit)				
Capacity	Cooling	BTU/hr	8533	11946	15359	20478	24232
	Heating	BTU/hr	9556	13140	18772	22526	27304
Moisture Removal Capacity	L/hr (pt/hr)		0.80 (1.69)	1.40 (2.96)	1.80 (3.80)	2.50 (5.28)	2.50 (5.28)
Airflow Volume	m³/hr (CFM)		450 / 300 / 250 (265 / 177 / 147)	500 / 400 / 300 (294 / 235 / 177)	700 / 600 / 500 (412 / 353 / 294)	1000 / 750 / 550 (589 / 441 / 324)	1000 / 750 / 550 (589 / 441 / 324)
Sound Pressure Level	dB(A)		37 / 34 / 31	39 / 35 / 32	41 / 37 / 33	42 / 38 / 34	42 / 38 / 34
Rated External Static Pressure	Pa (in.w.g)		10 (0.04)	10 (0.04)	10 (0.04)	15 (0.06)	15 (0.06)
Dimensions	Width	mm (in)	700 (27-3/4)	700 (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)

HIGH STATIC SLIM DUCT			GFH(09)DA-D3DNA1A/I	GFH(12)DA-D3DNA1A/I	GFH(18)DB-D3DNA1A/I	GFH(24)DB-D3DNA1A/I
Power Supply	V/Hz/Ph		208-230 / 60 / 1 (powered by the outdoor unit)			
Capacity	Cooling	BTU/hr	9000	12000	18000	24000
	Heating	BTU/hr	9500	13000	19000	27000
Moisture Removal Capacity	L/hr (pt/hr)		0.80 (1.69)	1.40 (2.96)	1.80 (3.80)	2.50 (5.28)
Airflow Volume	m³/hr (CFM)		550 / 430 / 360 / 320 (324 / 253 / 212 / 188)	600 / 490 / 420 / 360 (353 / 288 / 247 / 211)	1000 / 700 / 530 / 490 (588 / 412 / 312 / 288)	1250 / 950 / 770 / 690 (735 / 559 / 453 / 406)
Sound Pressure Level	dB(A)		36 / 30 / 27 / 25	38 / 35 / 30 / 26	39 / 33 / 29 / 26	42 / 36 / 32 / 28
Rated External Static Pressure	Pa (in.w.g)		60 (0.24)	60 (0.24)	90 (0.36)	90 (0.36)
Dimensions	Width	mm (in)	830 (32-43/64)	830 (32-43/64)	1130 (44-31/64)	1130 (44-31/64)
	Height	mm (in)	754 (29-11/16)	754 (29-11/16)	754 (29-11/16)	754 (29-11/16)
	Depth	mm (in)	300 (11-13/16)	300 (11-13/16)	300 (11-13/16)	300 (11-13/16)
Weight	Net	kg (lb)	32 (70.6)	32 (70.6)	42 (92.6)	42 (92.6)
	Gross	kg (lb)	38 (83.8)	38 (83.8)	48.5 (106.9)	48.5 (106.9)

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