



Heating
& Cooling

Maximum
Performance

Utmost
Efficiency



HEATING & COOLING

COMFORT AND WELLNESS, IT'S WHAT WE DO



GREE is a global leader in air treatment, developing some of the most advanced & efficient commercial and residential air conditioners in the world. GREE integrates research & development, manufacturing, sales, and service to help people be healthy and comfortable wherever they live, work or play. GREE is also fully committed to protecting our environment by designing the most ecologically friendly cooling and heating systems in the market.

1 in 3 of the world's air conditioners are made by GREE.

33

YEARS IN BUSINESS

190+

COUNTRIES / REGIONS

500+

MILLION USERS SERVED

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WHAT ARE MINI-SPLIT SYSTEMS?

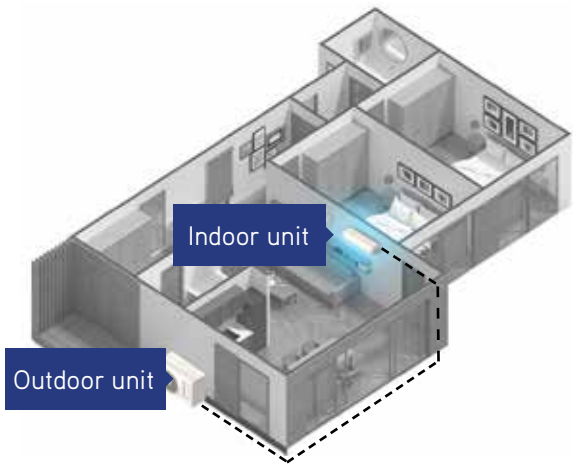


Mini-Split systems operate via an outdoor compressor unit connected to 1 or more inside air handlers with utmost efficiency and climate control in heating and cooling modes.

Ideal for
ANY SIZE ROOM
—
MORE AFFORDABLE
than replacing a central system
—
Great for
SUPPLEMENTING
a central system

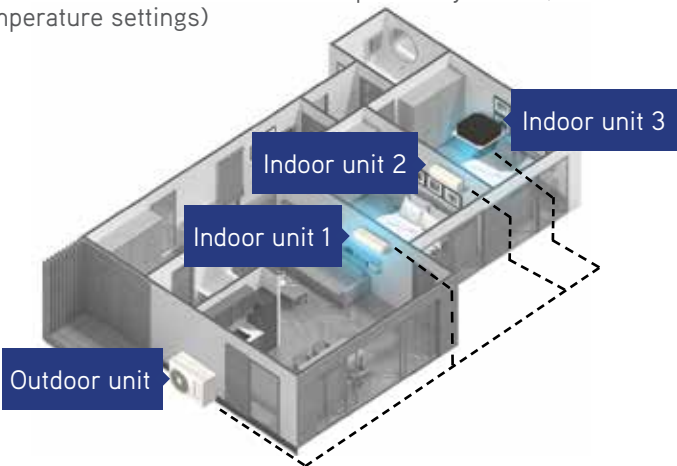
SINGLE ZONE SYSTEMS

- 1 outdoor unit
- Provides heating & cooling to 1 room/zone in a house



MULTI-ZONE SYSTEMS

- 1 outdoor unit
- Provides heating & cooling to multiple rooms/zones in a house
- Each zone has its own indoor air handler
- All air handlers are controlled independently (off/on, different temperature settings)



ENJOY THE HEAT PUMP ADVANTAGE

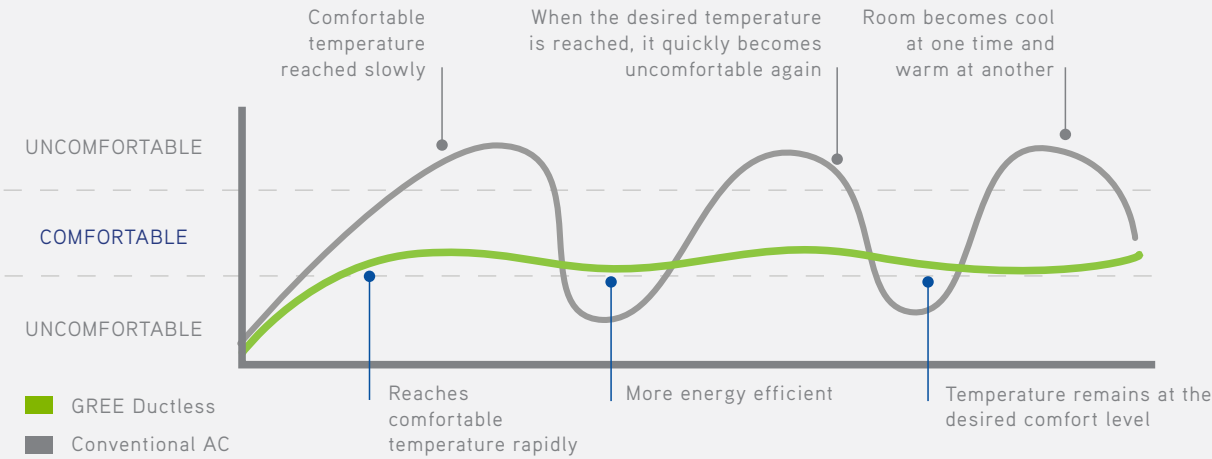
- Precisely heats & cools only desired (occupied) spaces
- Maintains a constant temperature – no wild swings or noisy HVAC starts & stops
- Delivers up to 50% energy savings (up to 27 SEER2) compared to conventional ducted systems – check for rebates
- Simplifies maintenance of filters to maintain optimal air quality
- Acts as a personalized thermostat through remote control/WIFI capabilities
- Avoids 30% heating & cooling loss from air passing through ductwork
- Easy install, no mess in home - licensed contractor installation required for Warranty Coverage

FASTER HEATING/COOLING	PRECISE CONTROL	ENERGY SAVINGS	ECO-FRIENDLY REFRIGERANT
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WHERE TO INSTALL

- Houses & rooms that require cooling, heat or both
- Sun & Season rooms
- Open-wall remodels
- Historical structures
- Vacation rentals
- Bonus space - garages, basements, attics, sheds
- Commercial spaces – offices, restaurants, classrooms, hotel/motel, dorms, etc.
- Supplement to inefficient/insufficient systems to maintain desired comfort level

INVERTER TECHNOLOGY DELIVERS OPTIMAL, STEADY COMFORT



GREE TECHNOLOGY:
EFFICIENCY
FEATURES
FOR **MAXIMUM
PERFORMANCE**



GREE'S LOAD MATCH VARIABLE
SPEED COMPRESSOR

VS.



TRADITIONAL SINGLE
SPEED COMPRESSOR

CONTROLS

- Cutting-edge micro-circuit for precise inverter control



REFRIGERATION

- Stable, reliable compressor
- Larger heat exchanger with optimized piping
- Electronic expansion valve (EEV) for precise refrigerant flow

AIRFLOW

- Enlarged air intake and outlet
- Optimized crossflow fan design with larger air volume to enhance heat exchange efficiency
- Optimized axial fan design with larger diameter for greater volume and higher efficiency control

AUTO-CLEAN FUNCTION

- Easy removal of dirt and odors through proprietary cleansing process of evaporator
- Units performs 4-stage process to remove unwanted particles from coil: condenses, frosts, sterilizes and defrosts



GREE GOES GREEN
WITH R32

LOWER CARBON EMISSIONS

R32 is recognized for its reduced environmental impact, aligning with sustainability goals.

SAFETY ASSURANCE

R32 has a proven global record as a safe, reliable refrigerant.

ENHANCED EFFICIENCY

Provides up to **10% more capacity** and **12% more efficiency** compared to R410A, optimizing system performance.

COST-EFFECTIVE SOLUTION

With no active patents, R32 is readily available, offering economic advantages for projects.

RELIABILITY
IS IN THE
DESIGN

QUIET, HIGH-EFFICIENCY FAN

Tri-Blade axial fan is resistant to high temperatures and operates quietly.

DURABLE STEEL FINISH

Outdoor unit cabinets are built with heavy gauge rolled steel and coated with weather-resistant paint to withstand harsh conditions all year round.

SELF-DIAGNOSIS

Automatic system diagnostics continuously scans for errors or malfunctions. Fault codes are shown on the unit display to facilitate troubleshooting and repair.

COIL PROTECTION

Acrylic resin coil coating maintains excellent heat transfer, resists corrosive elements and provides years of reliable service.

HIGH TEMP RESISTANCE
CIRCUIT BOARDS

Reliable printed circuit boards (PCB) operate in temperatures up to 185°F while protected by a fire-proof metal casing.

SELF-DRAINING BASE PAN

Condensate water drains freely to help prevent freezing in base pan.

Note: Not all GREE products have each one of these features. Consult individual product guides for specific features and functions.

ULTRA
CAPABILITIES
FOR **EXTREME**
CONDITIONS



THE **PROOF**
IS IN THE **COMFORT...**



LOW NOISE

Noise lower than typical library sound levels for the ultimate in quiet unobtrusiveness.

INTELLIGENT DEFROSTING

While traditional defrosting activates for a set time period (for example, 10 minutes every hour), GREE's Intelligent Defrost only operates when needed: getting the job done efficiently without wasting energy.

TURBO COOLING

Press "Turbo" button on remote controller to maximize air flow and reach desired temperature in the shortest possible time.

4-WAY AIR FLOW

Louvers can be vertically or horizontally adjusted to direct airflow towards anywhere in the room to maximize room comfort.

I-FEEL

Senses temperature at the remote controller instead of at the indoor unit. Adjusts airflow & temperature accordingly for personal comfort and energy savings.

MULTIPLE FAN SPEEDS

Choose your desired airflow, from super low to turbo. The SAPPHIRE models have 7 discrete fan speeds.



- FIELD-ORIENTED CONTROL (FOC) ALGORITHM
- PRECISE LOAD ADAPTATION
- ADVANCED VOLTAGE STABILIZATION
- OPTIMIZED LOW-LOAD PERFORMANCE
- INTELLIGENT NOISE REDUCTION



Save on Energy. Get a GREE.

HEAT PUMP SYSTEMS

Heat pumps are the optimal solution for **cooling and heating** your home. Unlike traditional furnaces that create heat from burning oil or gas, heat pumps use the refrigeration cycle to transfer thermal energy.

WHAT DOES THIS MEAN FOR YOU?

- ✓ Consume up to 50% less energy
- ✓ Reduce load on electric grid
- ✓ Support shift from fossil fuels to renewable energy sources
- ✓ Available energy rebates & tax credits to save on cost of purchase

MAXIMIZE SAVINGS WITH GREE

Boost efficiency and savings for your customers—and your business. Many GREE systems qualify for local utility rebates based on efficiency ratings. Check available incentives in your area at greecomfort.com/rebates and give customers another reason to choose GREE.

KEY FACTORS FOR **HIGH** **EFFICIENCY**

INTEGRATED EVAPORATOR
Compact design minimizes indoor unit size while greatly enhancing coil performance.

INTEGRATED DESIGN
Integrated rear chassis and water tray avoids water leakage & reduces noise.

DUAL SIDE INSTALLATION
Choose left or right piping outlet for easier installation.

LOW VOLTAGE START UP
Unit can operate from 187V to 253V, adapting to unstable power supply while providing better PCB protection.

AUTO RESTART
After power outage, unit automatically recovers to previous settings.

GREE PRODUCT LINE UP

SINGLE ZONE



MULTI ZONE



CENTRAL AIR



MULTI PRO

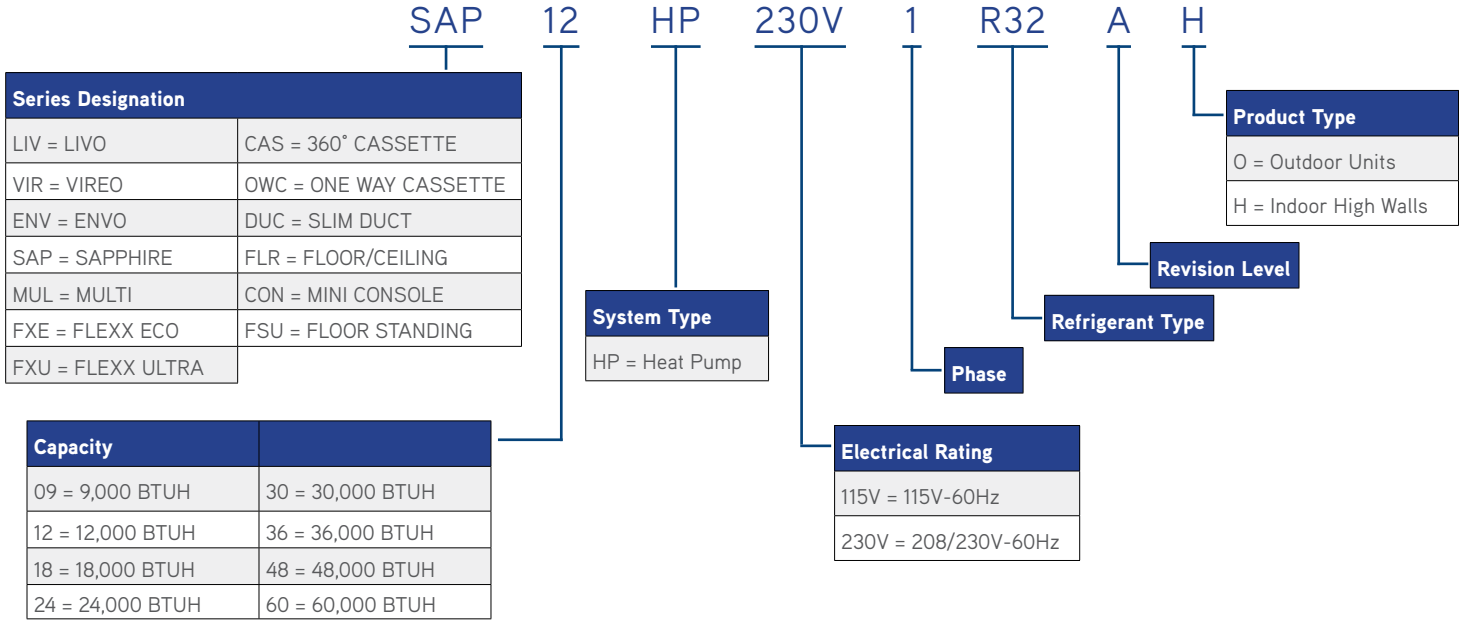


PACKAGED



PRODUCT NOMENCLATURE

EXAMPLE: SAP12HP230V1R32AH



MULTI-ZONE

A WHOLE HOME SOLUTION

- ✓ Option to connect just 1 or up to 10 indoor units with each outdoor system
- ✓ Potential energy savings of up to 30% compared to even the most-efficient models on the market, with up to 23 SEER2
- ✓ Qualifies for most energy rebates & federal tax credits
- ✓ The best heat pump heating performance on the market with up to 100% of heating capacity down to -22°F



WALL
MOUNT

65°

OFF

CEILING
CASSETTE

70°

SLIM
DUCT

AIR
HANDLER

73°

OUTDOOR
UNIT

MULTIPRO

YOUR COMPLETE
COMFORT SOLUTION

THE MULTIPRO FOR THE ULTIMATE IN
COMFORT & FLEXIBILITY

The GREE MultiPRO is ideal for handling today’s challenging spaces. With the outdoor unit’s small footprint and long piping capabilities, the system provides optimal installation flexibility and efficiency. Connect to a conventional-style multi-position air handler, high wall, or any of the other 7 ducted and ductless indoor unit options. With ULTRA heating & cooling options, the MultiPRO can also handle up to 10 zones with just one outdoor unit.

- UP TO 23.0 SEER2 / 13.0 EER2 / 9.8 HSPF2 EFFICIENCY
- COOLING RANGE: 0°F - 129°F
- HEATING RANGE: -22°F - 81°F
- MAXIMUM LINE LENGTH: 492 FT.

- Up to 10 indoor units with each outdoor unit
 - CAN-Bus communication network technology
 - Automatic address setting
- Wide operating range
 - Advanced torque control
 - Automatic fault detection
 - Small installation footprint

SYSTEM TYPE		HEAT PUMP					ULTRA HEAT MODELS		
Model		GMV-24WL/C-T(U)	GMV-28WL/C-T(U)	GMV-36WL/C-T(U)	GMV-48WL/C-T(U)	GMV-60WL/C-T(U)	GMV-V36WL/C-T(U)	GMV-V48WL/C-T(U)	GMV-V60WL/C-T(U)
Maximum Number of Zones		4	4	7	8	10	7	8	10
SYSTEM PERFORMANCE - Non-Ducted Indoor Units									
Cooling - Capacity @95°F	Btu/h	24000	28000	37600	48000	60000	36000	48000	60000
Heating - Capacity @17°F	Btu/h	16000	20000	25000	32000	41000	22000	32000	42000
Heating - Capacity @5°F	Btu/h	14000	13400	21000	27000	32000	25200	33600	42000
Heating - Capacity @47°F	Btu/h	28000	32000	42000	54000	64000	36000	48000	60000
SEER2		18	18	22	22	20	23	22	21
EER2		10.5	10.5	11.5	10.5	10.5	13	11.5	11
HSPF2		8.5	8.5	9.8	9.8	9.8	9	9.2	9.2
COP @5°F		2.4	2.3	2.0	2.0	2.0	2.4	2.2	2.10
COP @47°F		3.0	3.4	4.2	4.0	3.9			
SYSTEM PERFORMANCE - Ducted Indoor Units									
Cooling - Capacity @95°F	Btu/h	24000	28000	37600	48000	60000	36000	48000	60000
Heating - Capacity @5°F	Btu/h	14000	14000	20000	26000	31000	25200	33600	42000
Heating - Capacity @17°F	Btu/h	16500	17500	25000	32000	36400	24000	32000	38000
Heating - Capacity @47°F	Btu/h	28000	32000	42000	54000	64000	36000	48000	60000
SEER2		18	16.5	18	16	18	18.5	17.1	17.0
EER2		11	10	11	9.2	10	11.5	10.5	9
HSPF2		8	7.5	8.2	8.5	8.5	8.7	8.55	8.3
COP @5°F		1.5	1.5	2.0	1.9	2.0	2.2	2.0	1.9
COP @47°F		3.01	3.36	3.57	3.31	3.58			
SYSTEM PERFORMANCE (Mixed Ducted and Non-Ducted Indoor Units)									
Cooling - Capacity @95°F	Btu/h			36000	48000	60000	36000	48000	60000
Heating - Capacity @5°F	Btu/h			25200	33600	42000	25200	33600	42000
Heating - Capacity @17°F	Btu/h			23000	31000	40000	23000	31000	40000
Heating - Capacity @47°F	Btu/h			36000	48000	60000	36000	48000	60000
SEER2				20.75	19.55	19	18.5	19.55	19.0
EER2				12.25	11	10	11.8	11.0	10.0
HSPF2				8.85	8.88	8.75	9	8.88	8.75
COP @5°F				2.3	2.1	2.0	2.3	2.10	2.0
COP @47°F				3.7	3.5	3.7			
OUTDOOR UNIT DATA									
Cooling Temperature Range	°F	23 - 118	23 - 118	23 - 118	23 - 118	23 - 118	0 - 129	0 - 129	0 - 129
Heating Temperature Range	°F	-4 - 81	-4 - 81	-4 - 81	-4 - 81	-4 - 81	-22 - 81	-22 - 81	-22 - 81
Refrigerant Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Cmpressor Type		Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Scroll	Inverter Rotary	Inverter Rotary	Inverter Scroll
Sound Pressure Level	dB(A)	53	58	63	63	63	50	52	55
External Dimensions (W x H x D)	in	38-5/8 x 31-1/8 x 14-3/16		35-7/16 x 52-15/16 x 13-3/8		37 x 56-5/16 x 12-5/8	35-3/8 x 53 x 13-3/8	35-3/8 x 53 x 13-3/8	35-3/8 x 53 x 13-3/8
Package Dimension (W x H x D)	in	43-3/16 x 36-7/8 x 18-3/4		39-1/4 x 59-1/16 x 18		40-5/8 x 62-1/4 x 17 1/16	39-1/4 x 59-1/16 x 18	39-1/4 x 59-1/16 x 18	39-1/4 x 59-1/16 x 18
Net Weight	lbs	176	176	246	246	273	250	250	250
Gross Weight	lbs	198	198	273	273	299	270	270	270
REFRIGERANT PIPING									
Refrigerant Charge - R410A	oz	84.7	84.7	176	176	229	141.12	141.12	155.23
Port Size (Liquid - Gas)	in	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 3/4	3/8 - 5/8	3/8 - 5/8	3/8 - 3/4
Pre-Charge Length		33	98	131	131	164	131	131	164
Max. Length from ODU to IDU (Equivalent)	ft	394	394	492	492	492	262	262	262
Max. Length from First Branch to IDU	ft	131	131	131	131	131	131	131	131
Max. Height Difference ODU to IDU (High/Low)	ft	98/98	98/98	164/131	164/131	164/131	164/131	164/131	164/131
Max. Height Difference IDU to IDU	ft	33	33	49	49	49	49	49	49

ELECTRICAL									
Power Supply		208-230V / 1Ph / 60Hz					208-230V / 1Ph / 60Hz	208-230V / 1Ph / 60Hz	208-230V / 1Ph / 60Hz
MCA	A	21	21	31	34	39.8	33.8	38.8	38.8
MOCP	A	25	30	35	45	60	35	40	40
Main Power Wire Size	AWG	Per Local Code					Per Local Code	Per Local Code	Per Local Code
Interconnecting Wire Size	AWG	18/2 Stranded. Shielding Recommended.					18/2 Stranded. Shielding Recommended.	18/2 Stranded. Shielding Recommended.	18/2 Stranded. Shielding Recommended.
LIMITED WARRANTY		5 Years Parts 7 Years Compressor Residential & Commercial							

9 INDOOR OPTIONS TO CHOOSE

- Wall Mount
- Multi-Position Air Handler
- Horizontal Slim Ducted
- 360 Compact Ceiling Cassette
- 360° Standard Ceiling Cassette
- One-Way Cassette
- Two-Way Cassette
- Console
- Floor Ceiling



Slim compact design hangs inconspicuously on the wall and mixes with most interior designs.

WALL MOUNT

SYSTEM TYPE		HEAT PUMP				
Model		GMV-ND06G/B4B-T(U)	GMV-ND07G/B4B-T(U)	GMV-ND09G/B4B-T(U)	GMV-ND12G/B4B-T(U)	GMV-ND14G/B4B-T(U)
SYSTEM PERFORMANCE (Non-Ducted Indoor Units)						
Cooling Capacity (Min-Max)	Btu/h	6000	7500	9500	12000	15000
Heating Capacity (Min-Max)	Btu/h	6000	8500	10500	13500	17000
MCA	A	1	1	1	1	1
MOP	A	15	15	15	15	15
Air Flow (Min-Max)	CFM	177 - 294	177 - 294	177 - 294	188 - 371	294 - 500
Sound Pressure Level (Min-Max)	dB(A)	35 - 30	35 - 30	35 - 30	38 - 31	43 - 37
Condensate Drain Size (OD)	in	13/16	13/16	13/16	13/16	13/16
Unit Dimension (WxHxD)	in	33 1/4 x 8 1/4 x 11 3/8				
Package Dimension (WxHxD)	in	38 7/16 x 14 15/16 x 11 1/16				
Weight (Net / Gross)	lbs	23.5/27.5				
Line Set Size (Liquid - Gas)	in	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4-1/2	1/4-1/2
Power Supply		208-230V / 1Ph / 60Hz				
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial				

SYSTEM TYPE		HEAT PUMP			
Model		GMV-ND18G/B4B-T(U)	GMV-ND24G/B4B-T(U)	GMV-ND30G/B4B-T(U)	GMV-ND36G/B4B-T(U)
SYSTEM PERFORMANCE (Non-Ducted Indoor Units)					
Cooling Capacity (Min-Max)	Btu/h	18000	24000	30000	32500
Heating Capacity (Min-Max)	Btu/h	20000	25500	34000	36000
MCA	A	1	1	1	1
MOP	A	15	15	15	15
Air Flow (Min-Max)	CFM	383 - 647	383 - 706	471 - 912	530 - 971
Sound Pressure Level (Min-Max)	dB(A)	43 - 37	44 - 37	49 - 40	52 - 40
Condensate Drain Size (OD)	in	13/16	13/16	13/16	13/16
Unit Dimension (WxHxD)	in	42 7/16 x 12 13/16 x 9 11/16		53 1/8 x 10 3/16 x 12 13/16	
Package Dimension (WxHxD)	in	47 3/8 x 16 1/4 x 13 3/4		58 7/8 x 16 9/16 x 14 1/2	
Weight (Net / Gross)	lbs	35,5/42		41/52	
Line Set Size (Liquid - Gas)	in	3/8-5/8	3/8-5/8	3/8-5/8	3/8-5/8
Power Supply		208-230V / 1Ph / 60Hz			
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial			



This unit installs like a traditional air handler, using traditional ducting methods. It can be installed in vertical up-flow, horizontal-right, and horizontal-left applications.

MULTI-POSITION AIR HANDLER

SYSTEM TYPE	HEAT PUMP			
Model	GMV-ND12A/B-T(U)	GMV-ND18A/B-T(U)	GMV-ND24A/B-T(U)	GMV-ND30A/B-T(U)
Cooling Capacity - Nominal	12000	18000	24000	30000
Heating Capacity - Nominal	13500	20000	27000	34000
MCA	3.0	3.0	3.0	4.0
MOP	15	15	15	15
Air Flow (Min-Max)	300 - 420	300 - 650	690 - 880	710 - 910
External Static Pressure (Default/Min-Max)	0.2 / 0-1.0	0.2 / 0-1.0	0.2 / 0-1.0	0.2 / 0-1.0
Sound Pressure Level (Min-Max)	33 / 36	33 / 39	40 / 43	40 / 44
Condensate Drain Size	1	1	1	1
Unit Dimension (WxDxH)	18 1/8 x 21 1/4 x 43 1/2	18 1/8 x 21 1/4 x 43 1/2	18 1/2 x 21 1/4 x 43 1/2	18 1/2 x 21 1/4 x 43 1/2
Package Dimension (WxDxH)	20 3/8 x 24 3/8 x 46 1/8	20 3/8x24 3/8x46 1/8	20 3/8 x 24 3/8 x 46 1/8	20 3/8 x 24 3/8 x 46 1/8
Weight (Net / Gross)	119/130	121/132	123/134	123/134
Line Set Size (Liquid - Gas)	1/4 - 3/8	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8
Power Supply	208-230V / 1Ph / 60Hz			
LIMITED WARRANTY	5 Years Parts, 7 Years Compressor – Residential & Commercial			

SYSTEM TYPE	HEAT PUMP			
Model	GMV-ND36A/B-T(U)	GMV-ND42A/B-T(U)	GMV-ND48A/B-T(U)	GMV-ND60A/B-T(U)
Cooling Capacity - Nominal	36000	42000	48000	60000
Heating Capacity - Nominal	40000	47000	54000	66000
MCA	5.0	5.0	8.7	8.7
MOP	15	15	15	15
Air Flow (Min-Max)	970 - 1230	1000 - 1260	1500 - 1800	1530 - 1820
External Static Pressure (Default/Min-Max)	0.2 / 0-1.0	0.2 / 0-1.0	0.2 / 0-1.0	0.2 / 0-1.0
Sound Pressure Level (Min-Max)	42 - 45	43 - 46	48 - 50	49 - 51
Condensate Drain Size	1	1	1	1
Unit Dimension (WxDxH)	21 1/4 x 21 1/4 x 48 1/4	21 1/4 x 21 1/4 x 48 1/4	24 3/4 x 21 1/4 x 57	24 3/4 x 21 1/4 x 57
Package Dimension (WxDxH)	26 x 23 3/4 x 50 3/8	26 x 23 3/4 x 50 3/8	27 5/16 x 26 x 59 3/8	27 5/16 x 26 x 59 3/8
Weight (Net / Gross)	159/170	159/170	198/216	198/216
Line Set Size (Liquid - Gas)	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
Power Supply	208-230V / 1Ph / 60Hz			
LIMITED WARRANTY	5 Years Parts, 7 Years Compressor – Residential & Commercial			

ELECTRIC HEATER KITS		
Heater Model Numbers	Description	Air Handler Combination
FLEXXHTR5KW	5 kW	GMV-ND09A/B-T(U) GMV-ND12A/B-T(U) GMV-ND18A/B-T(U)
FLEXXHTR5KW	5 kW	GMV-ND24A/B-T(U) GMV-ND30A/B-T(U) GMV-ND36A/B-T(U)
FLEXXHTR8KW	8 kW	
FLEXXHTR10KW	10 kW	
FLEXXHTR5KW	5 kW	
FLEXXHTR8KW	8 kW	GMV-ND36A/B-T(U) GMV-ND42A/B-T(U) GMV-ND48A/B-T(U) GMV-ND54A/B-T(U) GMV-ND60A/B-T(U)
FLEXXHTR10KW	10 kW	
FLEXXHTR15KW	15 kW	
FLEXXHTR20KW	20 kW	



Compact and powerful, the high static slim duct offers the ultimate in flexibility and discretion. Concealed above a suspended ceiling or within open closet spaces, it delivers conditioned air via extended ducting and suitable ceiling or wall grilles.

HORIZONTAL SLIM DUCTED

SYSTEM TYPE		HEAT PUMP				
Model		GMV-ND07PHS/B-T(U)	GMV-ND09PHS/B-T(U)	GMV-ND12PHS/B-T(U)	GMV-ND15PHS/B-T(U)	GMV-ND18PHS/B-T(U)
Cooling Capacity - Nominal	Btu/h	7500	9500	12000	15000	18000
Heating Capacity - Nominal	Btu/h	8500	10500	13500	17000	20000
MCA	A	1	1	1	1	1
MOP	A	15	15	15	15	15
Air Flow (Min-Max)	CFM	235 - 324	235 - 324	247 - 353	353 - 500	412 - 589
External Static Pressure (Default/Min-Max)	In W.c.	0.24/0-0.6	0.24/0-0.6	0.24/0-0.6	0.24/0-0.6	0.36/0-0.8
Sound Pressure Level (Min-Max)	dB(A)	31 - 35	31 - 35	32 - 36	34 - 40	35 - 42
Condensate Drain Size	in	1	1	1	1	1
Unit Dimension (WxDxH)	in	27 9/16 x 27 9/16 x 11 13/16	27 9/16 x 27 9/16 x 11 13/16	39 3/8 x 27 9/16 x 11 13/16	39 3/8 x 27 9/16 x 11 13/16	39 3/8 x 27 9/16 x 11 13/16
Package Dimension (WxDxH)	in	35 5/16 x 32 x 14 3/16	35 5/16 x 32 x 14 3/16	47 7/16 x 32 x 14 3/16	47 7/16 x 32 x 14 3/16	47 7/16 x 32 x 14 3/16
Weight (Net / Gross)	lbs	73/86	73/86	94/108	94/108	94/108
Line Set Size (Liquid - Gas)	in	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8
Power Supply		208-230V / 1Ph / 60Hz				
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial				

SYSTEM TYPE		HEAT PUMP				
Model		GMV-ND22PHS/B-T(U)	GMV-ND24PHS/B-T(U)	GMV-ND30PHS/B-T(U)	GMV-ND36PHS/B-T(U)	GMV-ND42PHS/B-T(U)
Cooling Capacity - Nominal	Btu/h	22000	24000	30000	36000	42000
Heating Capacity - Nominal	Btu/h	24000	27000	34000	40000	47000
MCA	A	1	1,2	1,7	1,7	1,7
MOP	A	15	15	15	15	15
Air Flow (Min-Max)	CFM	412 - 589	559 - 736	736 - 1059	824 - 1177	824 - 1177
External Static Pressure (Default/Min-Max)	In W.c.	0.36/0-0.8	0.36/0-0.8	0.36/0-0.8	0.36/0-0.8	0.36/0-0.8
Sound Pressure Level (Min-Max)	dB(A)	35 - 42	35 - 43	38 - 44	40 - 45	40 - 45
Condensate Drain Size	in	1	1	1	1	1
Unit Dimension (WxDxH)	in	39 3/8 x 27 9/16 x 11 13/16	39 3/8 x 27 9/16 x 11 13/16	55 1/8 x 27 9/16 x 11 13/16	55 1/8 x 27 9/16 x 11 13/16	55 1/8 x 27 9/16 x 11 13/16
Package Dimension (WxDxH)	in	47 7/16 x 32 x 14 3/16	47 7/16 x 32 x 14 3/16	63 1/16 x 32 x 14 3/8	63 1/16 x 32 x 14 3/8	63 1/16 x 32 x 14 3/8
Weight (Net / Gross)	lbs	94/108	94/108	121/137	121/137	121/137
Line Set Size (Liquid - Gas)	in	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
Power Supply		208-230V / 1Ph / 60Hz				
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial				



The 360° air supply design provides complete airflow coverage and balanced temperature distribution, making for a more comfortable space.

360° COMPACT CEILING CASSETTE

SYSTEM TYPE		HEAT PUMP				
Model		GMV-ND05T/E-T(U)	GMV-ND07T/E-T(U)	GMV-ND09T/E-T(U)	GMV-ND12T/E-T(U)	GMV-ND18T/E-T(U)
Cooling Capacity - Nominal	Btu/h	5800	7500	9500	12000	18000
Heating Capacity - Nominal	Btu/h	6200	8500	10500	13500	20000
MCA	A	0.7	0.7	0.7	0.8	0.8
MOP	A	15	15	15	15	15
Air Flow (Min-Max)	CFM	25 - 33	25 - 36	28 - 36	35 - 39	39 - 43
Sound Pressure Level (Min-Max)	dB(A)	31 - 35	31 - 35	32 - 36	34 - 40	35 - 42
Condensate Drain Size	in	1	1	1	1	1
Unit Dimension (WxDxH)	in	22 7/16 x 22 7/16 x 10 7/16	22 7/16 x 22 7/16 x 10 7/16	22 7/16 x 22 7/16 x 10 7/16	22 7/16 x 22 7/16 x 10 7/16	22 7/16 x 22 7/16 x 10 7/16
Package Dimension (WxDxH)	in	27 1/2 x 25 11/16 x 11 5/8	27 1/2 x 25 11/16 x 11 5/8	27 1/2 x 25 11/16 x 11 5/8	27 1/2 x 25 11/16 x 11 5/8	27 1/2 x 25 11/16 x 11 5/8
Weight (Net / Gross)	lbs	38.6/49.6	38.6/49.6	38.6/49.6	38.6/49.6	38.6/49.6
Line Set Size (Liquid - Gas)	in	1/4 - 1/2	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	3/8 - 5/8
Power Supply		208-230V / 1Ph / 60Hz				
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial				

CASSETTE GRILLE (Required)		TF05				
Grille Dimension (WxDxH)	in	24 3/8 x 24 3/8 x 1 7/8	24 3/8 x 24 3/8 x 1 7/8	24 3/8 x 24 3/8 x 1 7/8	24 3/8 x 24 3/8 x 1 7/8	24 3/8 x 24 3/8 x 1 7/8
Package Dimension (WxDxH)	in	27 5/8 x 27 5/8 x 5	27 5/8 x 27 5/8 x 5	27 5/8 x 27 5/8 x 5	27 5/8 x 27 5/8 x 5	27 5/8 x 27 5/8 x 5
Weight (Net / Gross)	lbs	6.6/10	6.6/10	6.6/10	6.6/10	6.6/10





360°air supply design for a wide air supply range and balanced temperature distribution, more comfortable.

360° STANDARD CEILING CASSETTE

SYSTEM TYPE		HEAT PUMP				
Model		GMV-ND07T/C-T(U)	GMV-ND09T/C-T(U)	GMV-ND12T/C-T(U)	GMV-ND15T/C-T(U)	GMV-ND18T/C-T(U)
Cooling Capacity - Nominal	Btu/h	7500	9500	12000	15000	18000
Heating Capacity - Nominal	Btu/h	8500	10500	13500	17000	20000
MCA	A	1	1	1	1	1
MOP	A	15	15	15	15	15
Air Flow (Min-Max)	CFM	353 - 471	353 - 471	353 - 471	353 - 471	441 - 559
Sound Pressure Level (Min-Max)	dB(A)	28 - 33	28 - 33	28 - 33	28 - 33	30 - 36
Condensate Drain Size	in	1	1	1	1	1
Unit Dimension (WxDxH)	in	33 1/8 x 33 1/8 x 9 1/2				
Package Dimension (WxDxH)	in	37 7/8 x 37 7/8 x 12 3/4	37 7/8 x 37 7/8 x 12 3/4	37 7/8 x 37 7/8 x 12 3/4	37 7/8 x 37 7/8 x 12 3/4	37 7/8 x 37 7/8 x 12 3/4
Weight (Net / Gross)	lbs	13.2/20.9	13.2/20.9	13.2/20.9	13.2/20.9	13.2/20.9
Line Set Size (Liquid - Gas)	in	1/4 - 3/8	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
Power Supply		208-230V / 1Ph / 60Hz				
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial				

SYSTEM TYPE		HEAT PUMP				
Model		GMV-ND24T-C-T(U)	GMV-ND30T-C-T(U)	GMV-ND36T-C-T(U)	GMV-ND42T-C-T(U)	GMV-ND48-C-T(U)
Cooling Capacity - Nominal	Btu-h	24000	30000	36000	42000	48000
Heating Capacity - Nominal	Btu-h	27000	34000	40000	47000	54000
MCA	A	1	1	1	1	1
MOP	A	15	15	15	15	15
Air Flow (Min-Max)	CFM	500 - 677	530 - 736	589 - 883	647 - 971	647 - 971
Sound Pressure Level (Min-Max)	dB(A)	31 - 37	34 - 39	37 - 41	39 - 43	39 - 43
Condensate Drain Size	in	1	1	1	1	1
Unit Dimension (WxDxH)	in	33 1-8 x 33 1-8 x 9 1-2	33 1-8 x 33 1-8 x 11 3-8	33 1-8 x 33 1-8 x 11 3-8	33 1-8 x 33 1-8 x 11 3-8	33 1-8 x 33 1-8 x 11 3-8
Package Dimension (WxDxH)	in	37 7-8 x 37 7-8 x 12 3-4	37 7-8 x 37 7-8 x 14 7-8	37 7-8 x 37 7-8 x 14 7-8	37 7-8 x 37 7-8 x 14 7-8	37 7-8 x 37 7-8 x 14 7-8
Weight (Net - Gross)	lbs	63.9-81.6	68.4-83.8	77.2-97	77.2-97	77.2-97
Line Set Size (Liquid - Gas)	in	3-8 - 5-8	3-8 - 5-8	3-8 - 5-8	3-8 - 5-8	3-8 - 5-8
Power Supply		208-230V - 1Ph - 60Hz				
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial				

CASSETTE GRILLE (Required)		TF06				
Grille Dimension (WxDxH)	in	24 3/8 x 24 3/8 x 1 7/8	24 3/8 x 24 3/8 x 1 7/8	24 3/8 x 24 3/8 x 1 7/8	24 3/8 x 24 3/8 x 1 7/8	24 3/8 x 24 3/8 x 1 7/8
Package Dimension (WxDxH)	in	27 5/8 x 27 5/8 x 5	27 5/8 x 27 5/8 x 5	27 5/8 x 27 5/8 x 5	27 5/8 x 27 5/8 x 5	27 5/8 x 27 5/8 x 5
Weight (Net / Gross)	lbs	6.6/10	6.6/10	6.6/10	6.6/10	6.6/10



With an ultra-thin design at less than 7-5/16” tall, the one-way unit can be installed in a 7-1/2” ceiling.

ONE-WAY CASSETTE

SYSTEM TYPE		HEAT PUMP		
Model		GMV-ND07TD/A-T(U)	GMV-ND09TD/A-T(U)	GMV-ND12TD/A-T(U)
Cooling Capacity - Nominal	Btu/h	7500	9500	12000
Heating Capacity - Nominal	Btu/h	8500	10500	13500
MCA	A	1	1	1
MOP	A	15	15	15
Air Flow (Min-Max)	CFM	265 - 353	265 - 353	265 - 353
Sound Pressure Level (Min-Max)	dB(A)	28 - 36	28 - 36	28 - 36
Condensate Drain Size	in	1	1	1
Unit Dimension (WxDxH)	in	38 7/8 x 15 3/16 x 7	38 7/8 x 15 3/16 x 7	38 7/8 x 15 3/16 x 7
Package Dimension (WxDxH)	in	51 1/2 x 19 3/4 x 12 3/16	51 1/2 x 19 3/4 x 12 3/16	51 1/2 x 19 3/4 x 12 3/16
Weight (Net / Gross)	lbs	44/60	44/60	44/60
Line Set Size (Liquid - Gas)	in	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2
Power Supply		208-230V / 1Ph / 60Hz		
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial		

CASSETTE GRILLE (Required)		TD01		
Grille Dimension (WxDxH)	in	47 1/4 x 18 1/8 x 2 3/16	47 1/4 x 18 1/8 x 2 3/16	47 1/4 x 18 1/8 x 2 3/16
Package Dimension (WxDxH)	in	49 13/16 x 21-1/8 x 4 3/4	49 13/16 x 21 1/8 x 4 3/4	49 13/16 x 21 1/8 x 4 3/4
Weight (Net / Gross)	lbs	9.3/13.2	9.3/13.2	9.3/13.2



The two-way cassette unit has a very thin body (11 inches) which is more practical in field applications as less installation space is required.

TWO-WAY CASSETTE

SYSTEM TYPE		HEAT PUMP				
Model		GMV-ND09TS/B-T(U)	GMV-ND12TS/B-T(U)	GMV-ND15TS/B-T(U)	GMV-ND18TS/B-T(U)	GMV-ND24TS/B-T(U)
Cooling Capacity - Nominal	Btu/h	9500	12000	15000	18000	24000
Heating Capacity - Nominal	Btu/h	10500	13500	17000	20000	27000
MCA	A	1	1	1	1	1
MOP	A	15	15	15	15	15
Air Flow (Min-Max)	CFM	302 - 395	302 - 395	302 - 421	398 - 450	388 - 480
Sound Pressure Level	dB(A)	28 - 33	28 - 33	28 - 35	32 - 37	34 - 39
Dehumidification	pt/hr	2.96	3.8	5.28	5.28	5.28
Condensate Drain Size	in	1	1	1	1	1
Unit Dimension (WxDxH)	in	31 1/8 x 24 13/16 x 11	31 1/8 x 24 13/16 x 11	31 1/8 x 24 13/16 x 11	31 1/8 x 24 13/16 x 11	31 1/8 x 24 13/16 x 11
Package Dimension (WxDxH)	in	40 5/8 x 29 1/8 x 14 3/8	40 5/8 x 29 1/8 x 14 3/8	40 5/8 x 29 1/8 x 14 3/8	40 5/8 x 29 1/8 x 14 3/8	40 5/8 x 29 1/8 x 14 3/8
Weight (Net / Gross)	lbs	56/74	56/74	56/74	57/76	57/76
Line Set Size (Liquid - Gas)	in	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8
Power Supply		208-230V / 1Ph / 60Hz				
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial				

CASSETTE GRILLE (Required)		TE03				
Grille Dimension (WxDxH)	in	43 5/16 x 28 x 1 3/32	43 5/16 x 28 x 1 3/32	43 5/16 x 28 x 1 3/32	43 5/16 x 28 x 1 3/32	43 5/16 x 28 x 1 3/32
Package Dimension (WxDxH)	in	48 7/16 x 33 3/16 x 5 1/8	48 7/16 x 33 3/16 x 5 1/8	48 7/16 x 33 3/16 x 5 1/8	48 7/16 x 33 3/16 x 5 1/8	48 7/16 x 33 3/16 x 5 1/8
Weight (Net / Gross)	lbs	13/23	13/23	13/23	13/23	13/23



Installed low on a wall, it is perfect for knee-walls and radiator-style installations.

CONSOLE

SYSTEM TYPE		HEAT PUMP			
Model		GMV-ND07C/A-T(U)	GMV-ND09C/A-T(U)	GMV-ND12C/A-T(U)	GMV-ND18C/A-T(U)
Cooling Capacity - Nominal	Btu/h	7500	9500	12000	18000
Heating Capacity - Nominal	Btu/h	8500	11000	13500	20000
MCA	A	1	1	1	1
MOP	A	15	15	15	15
Air Flow (Min-Max)	CFM	159 - 235	159 - 235	182 - 282	294 - 400
Sound Pressure Level (Min-Max)	dB(A)	27 - 38	27 - 38	32 - 40	39 - 46
Condensate Drain Size	in	1	1	1	1
Unit Dimension (WxDxH)	in	27 9/16 x 8 1/2 x 23 5/8	27 9/16 x 8 1/2 x 23 5/8	27 9/16 x 8 1/2 x 23 5/8	27 9/16 x 8 1/2 x 23 5/8
Package Dimension (WxDxH)	in	31 x 11 1/8 x 30 5/8	31 x 11 1/8 x 30 5/8	31 x 11 1/8 x 30 5/8	31 x 11 1/8 x 30 5/8
Weight (Net / Gross)	lbs	35/42	35/42	35/42	35/42
Line Set Size (Liquid - Gas)	in	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2
Power Supply		208-230V / 1Ph / 60Hz			
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial			



The unit can be ceiling or floor mounted. Excellent air throw when ceiling mounted.

FLOOR CEILING

SYSTEM TYPE		HEAT PUMP			
Model		GMV-ND09ZD/A-T(U)	GMV-ND12ZD/A-T(U)	GMV-ND18ZD/A-T(U)	GMV-ND24ZD/A-T(U)
Cooling Capacity - Nominal	Btu/h	9500	12000	18000	24000
Heating Capacity - Nominal	Btu/h	10500	13500	20000	27000
MCA	A	1	1	1	1
MOP	A	15	15	15	15
Air Flow (Min-Max)	CFM	353 - 471	353 - 471	353 - 471	353 - 471
Sound Pressure Level (Min-Max)	dB(A)	28 - 33	28 - 33	28 - 33	28 - 33
Condensate Drain Size	in	1	1	1	1
Unit Dimension (WxDxH)	in	48 x 8 7/8 x 27 9/16	48 x 8 7/8 x 27 9/16	48 x 8 7/8 x 27 9/16	56 x 9 5/8 x 27 9/16
Package Dimension (WxDxH)	in	52 7/8 x 12 3/8 x 32 3/8	52 7/8 x 12 3/8 x 32 3/8	52 7/8 x 12 3/8 x 32 3/8	60 15/16 x 13 9/16 x 32 5/8
Weight (Net / Gross)	lbs	13.2/20.9	13.2/20.9	13.2/20.9	13.2/20.9
Line Set Size (Liquid - Gas)	in	1/4 - 3/8	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8
Power Supply		208-230V / 1Ph / 60Hz			
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial			

SYSTEM TYPE		HEAT PUMP			
Model		GMV-ND30ZD/A-T(U)	GMV-ND36ZD/A-T(U)	GMV-ND42ZD/A-T(U)	GMV-ND48ZD/A-T(U)
Cooling Capacity - Nominal	Btu/h	30000	36000	42000	48000
Heating Capacity - Nominal	Btu/h	33000	40000	47000	54000
MCA	A	1	1	1	1
MOP	A	15	15	15	15
Air Flow (Min-Max)	CFM	970 - 1230	1000 - 1260	1500 - 1800	1530 - 1820
Sound Pressure Level (Min-Max)	dB(A)	42 - 45	43 - 46	48 - 50	49 - 51
Condensate Drain Size	in	1	1	1	1
Unit Dimension (WxDxH)	in	56 x 9 5/8 x 27 9/16	66 15/16 x 9 5/8 x 27 9/16	66 15/16 x 9 5/8 x 27 9/16	66 15/16 x 9 5/8 x 27 9/16
Package Dimension (WxDxH)	in	60 15/16 x 13 9/16 x 32 5/8	71 15/16 x 13 9/16 x 32 5/8	71 15/16 x 13 9/16 x 32 5/8	71 15/16 x 13 9/16 x 32 5/8
Weight (Net / Gross)	lbs	110/128	132/150	132/150	132/150
Line Set Size (Liquid - Gas)	in	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
Power Supply		208-230V / 1Ph / 60Hz			
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial			



FRESH AIR FAN COILS

INDOOR UNIT MODEL	OUTDOOR UNIT MODEL
GMV-NDX42P/A-T(U)	Total capacity of connected fresh air fan-coils and indoor units must be within 50% - 100% of the capacity of the outdoor unit.
GMV-NDX48P/A-T(U)	
GMV-NDX54P/A-T(U)	
GMV-NDX72P/A-T(U)	Total capacity of connected fresh air fan-coils cannot exceed 30% of the capacity of the outdoor unit.
GMV-NDX96P/A-T(U)	

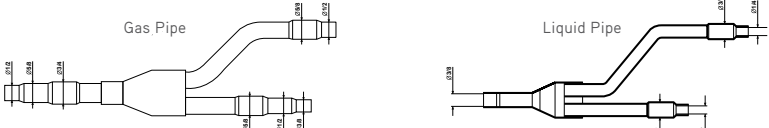
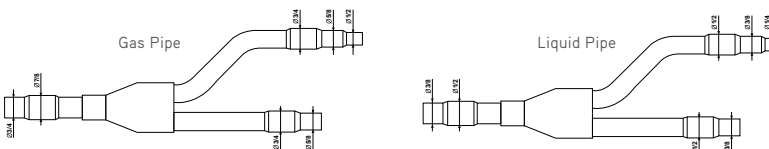
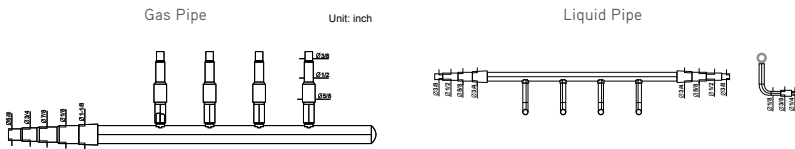
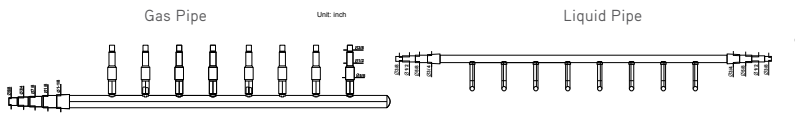
- Fresh air processing unit
- Applications for residential homes, villas, business buildings, hotels, apartments
- Can be combined with GREE GMV5
- The unit controls refrigerant output according to actual needs to ensure constant airflow temperature
- Adjusts power output so that high power operation during light-load conditions are avoided. 589 - 2060 CFM
- Up to 0.8 inch. W.G. for 42.48
- Up to 1.2 inch W.G. for 54.72.96



CONTROLS & ACCESSORIES

MODEL	CONTROLLER	STANDARD	COMPATIBLE WITH	KEYPAD FEATURES & FUNCTIONS
YAP1F		INCLUDED	HIGH WALL CEILING CASSETTES FLOOR CEILING CONSOLE	Wireless Remote Controller • Included with all ductless units including High Wall, Ceiling Cassettes, Floor Ceiling, and Consoles • Includes all operation features such as mode selection, fan speeds, setpoint control, timers, sleep, and more
XK79		NONE	ALL INDOOR UNIT TYPES	Gate Control Wired Controller (With Remote On/Off) (Non-programmable) • Includes all operation features such as mode selection, fan speeds, setpoint control, timers, sleep, and more • Enables access to user and engineering parameters and can display all troubleshooting data • Remote operation interface built in. Connect to door switches, motion sensors, and more
XE70-33/H		MULTI-POSITION AIR HANDLER	ALL INDOOR UNIT TYPES	7-Day Programmable Wired Controller with Gate Control (Remote On/Off) • Included with Multi-Position Air Handler • Capacitive touchscreen ensures long life • 7-Day programmable. Set up to 4 weekly schedules and enable or disable specific days within a schedule • Remote operation interface built in. Connect to door switches, motion sensors, and more • Enables access to user and engineering parameters and can display all troubleshooting data including indoor and outdoor data • Includes all operation features such as mode selection, fan speeds, setpoint control, timers, sleep, and more
CE52-24/F(C)		NONE	ALL INDOOR UNIT TYPES	E-Smart Zone Central Controller • Allows central control of up to 16 systems and 32 indoor units • 7-Day programmable. Set up to 4 weekly schedules and enable or disable specific days within a schedule • Operate and schedule individual units or set multiple groups of units to be controlled at the same time • Customizable names and icons for each zone • Easy-to-read color touchscreen (3-3/8"H x 5"W). Only 7/16" thick when flush-mounted • Includes galvanized mounting box with grommets for non-flush-mount installation (1-1/2" thick) • Independent power supply (100-240V)
ME32-33/H		NONE	ALL INDOOR UNIT TYPES	Universal 24V Adapter with Dry Contact Interface • Enables use of your favorite third-party 24VAC thermostat or control system • Up to three fan speeds (G1, G2, G3) • Four sets of dry contacts are available for broad control including remote on/off, emergency shut down, and more • 24V transformer is required unless installed with a Multi-Position Air Handler

Y-BRANCHES & HEADERS

FQ01AA		• Y Branch for GMV5 capacity <68,000
FQ01BA		• Y Branch for GMV5 capacity >68,000 - 102,000
FQ14/H1		• T-Type 4 port Manifold <134,000
FQ18/H1		• T-Type 8 port Manifold <272,000



A CENTRAL AIR SYSTEM THAT
DELIVERS **FLEXIBILITY IN
EXTREME CLIMATES**



ALL THE FLEXIBILITY, EFFICIENCY AND
PERFORMANCE IN ONE

The FLEXX ULTRA is the ideal central air system for even the most challenging environments. With 24 VAC and a horizontal (side) discharge design, this system delivers top performance for new construction and the add-on replacement markets.

- UP TO 18.5 SEER2 / 11.7 EER2 / 10.5 HSPF2 EFFICIENCY
- COOLING RANGE: 5°F - 129°F
- HEATING RANGE: -22°F - 75°F
- MAXIMUM LINE LENGTH: 164 FT.

- Up to 18.5 SEER2 / 10.5 HSPF2
- Operation Range -22°F~130°F
- 100% Cooling Capacity at 115°F
- 100% Heating Capacity at 5°F
- RS485 Communication and Universal 24V Control
- Multi-Position Air Handler
- Eco Friendly R32 Refrigerant
- Ultra Heat & Dual Fuel Compatible

SYSTEM TYPE		HEAT PUMP			
Outdoor Model		FXU24HP230V1R32AO	FXU36HP230V1R32AO	FXU48HP230V1R32AO	FXU60HP230V1R32AO
Indoor Model		FXU24HP230V1R32AH	FXU36HP230V1R32AH	FXU48HP230V1R32AH	FXU60HP230V1R32AH
SYSTEM PERFORMANCE					
Cooling Capacity	Min - Max	Btu/h	17,952 - 26,400	21,542 - 39,600	33,792 - 55,000
	Capacity @95°F	Btu/h	24,000	34,000	48,000
Heating Capacity	Min - Max	Btu/h	17,287 - 27,000	19,592 - 36,040	25,162 - 50,880
	Capacity @47°F	Btu/h	25,000	34,000	48,000
	Capacity @17°F	Btu/h	20,600	28,200	39,500
	Capacity @5°F	Btu/h	25,000	34,000	48,000
SEER2			18.0	18.0	19.0
EER2			12.5	12.0	12.0
HSPF2			10.0	10.0	10.0
COP @5°F			2.0	2.0	2.0
Energy Star® South			YES	YES	YES
Energy Star® Certified with Cold Climate Designation			YES	YES	YES
Cooling Temperature Range		°F	5 - 129	5 - 129	5 - 129
Heating Temperature Range		°F	-22 - 75	-22 - 75	-22 - 75
Refrigerant Type			R32		
INDOOR UNIT			FXU24HP230V1R32AH	FXU36HP230V1R32AH	FXU48HP230V1R32AH
Power Supply	VAC		208-230V / 1Ph / 60 Hz	208-230V / 1Ph / 60 Hz	208-230V / 1Ph / 60 Hz
Sound Pressure Level	dB(A)		50	51	52
Control Voltage	VAC		24	24	24
Rated Current Cooling	A		1	1.6	2.1
Rated Current Heating	A		1	1.5	1.9
MCA	A		4.7	5.3	7.1
MOCP	A		15	15	15
Electric Heater (Optional)	kW		6	6, 9, 12	6, 9, 12
Air Flow	CFM		760	1000	1200
External Static Pressure (Up to)	In W.c.		1.0	1.0	1.0
Dehumidification	pt/hr		/	/	/
External Dimensions (W x H x D)	in		18-1/8 x 43-1/2 x 21-1/4	21-1/4 x 48-3/16 x 21-1/4	24-13/16 x 52 x 21-1/4
Package Dimension (W x H x D)	in		20-5/8 x 45-5/8 x 26	23-3/4 x 50-3/8 x 26	27-1/4 x 54-3/16 x 26
Net Weight	lbs		135.6	163.1	199.5
Gross Weight	lbs		144.4	178.6	218.3
OUTDOOR UNIT			FXU24HP230V1R32AO	FXU36HP230V1R32AO	FXU48HP230V1R32AO
Power Supply	VAC		208-230V / 1Ph / 60 Hz	208-230V / 1Ph / 60 Hz	208-230V / 1Ph / 60 Hz
Sound Pressure Level	dB(A)		60	61	62
Control Voltage	VAC		24	24	24
Rated Current Cooling	A		10.36	14.89	21.08
Rated Current Heating	A		10.05	14.92	21.81
MCA	A		21	27.7	39.9
MOCP	A		25	30	45
Cmpressor Type			GREE G20 / Double Cylinder / 2 - Stage Inverter		
External Dimensions (W x H x D)	in		39 x 37-13/16 x 14-9/16	39 x 37-13/16 x 14-9/16	35-7/16 x 49-5/8 x 13-3/8
Package Dimension (W x H x D)	in		45-3/8 x 43-11/16 x 18-13/16	45-3/8 x 43-11/16 x 18-13/16	40-11/16 x 55-3/16 x 17-3/8
Net Weight	lbs		187.4	187.4	241.4
Gross Weight	lbs		211.6	211.6	263.5
Refrigerant Charge - R32	oz		88.2	102.3	162.3
Additional Charge	oz/ft		0.323	0.323	0.215
REFRIGERANT PIPING					
Line Set Size (Liquid - Gas) - Flared Connections	in		3/8 - 3/4	3/8 - 3/4	3/8 - 3/4
Pre-Charge Length	ft		25	25	25
Pipe Length (Min - Max)	ft		10 - 164	10 - 164	10 - 98
Max. Pipe Elevation	ft		98	98	49
LIMITED WARRANTY			5 Years Parts, 7 Years Compressor – Residential & Commercial		



A CENTRAL AIR SYSTEM WITH AFFORDABLE COMFORT & FLEXIBILITY



WHEN YOU WANT TO FLEXX AND MANAGE THE BUDGET

The FLEXX ECO is GREE’s central air system tailored for southern climates, utilizing a 24 VAC and a horizontal (side) discharge design. It is ideal for both the add-on replacement market and new construction projects. The FLEXX ECO is known for its quiet operation and compact outdoor footprint, making it an excellent choice for efficient and unobtrusive cooling solutions.

- UP TO 19.0 SEER2 / 11.9 EER2 / 9.5 HSPF2 EFFICIENCY
- COOLING RANGE: 5°F - 118°F
- HEATING RANGE: 5°F - 75°F
- MAXIMUM LINE LENGTH: 98 FT.

- Sound levels down to 56 dB(A) on outdoor unit
- New R32 Refrigerant
- RS485 Communication and Universal 24V Control
- Multi-Position Air Handler
- All FLEXX ODU’s have golden fin and all IDU’s have blue fin
- Golden Fin Equipment – 1500 Hrs Salt Spray tested

SYSTEM TYPE			HEAT PUMP				
Outdoor Model			FXE30HP230V1R32AO		FXE36HP230V1R32AO	FXE60HP230V1R32AO	
Indoor Model			FXE24HP230V1R32AH	FXE30HP230V1R32AH	FXE36HP230V1R32AH	FXE48HP230V1R32AH	FXE60HP230V1R32AH
SYSTEM PERFORMANCE							
Cooling Capacity	Min - Max	Btu/h	12,000 - 26,400	14,000 - 30,800	17,000 - 37,400	24,000 - 52,000	27,000 - 59,000
	Capacity @95°F	Btu/h	24,000	28,000	34,000	48,000	54,000
Heating Capacity	Min - Max	Btu/h	12,000 - 27,000	14,000 - 31,000	17,000 - 38,000	24,000 - 53,000	27,000 - 59,000
	Capacity @47°F	Btu/h	24,000	28,000	34,000	48,000	54,000
	Capacity @17°F	Btu/h	20,000	20,000	21,000	36,000	37,000
	Capacity @5°F	Btu/h	19,000	19,000	20,000	35,000	36,000
SEER2			18	18.5	19.0	17.0	16.5
EER2			11.9	11.7	11.7	11.7	11.7
HSPF2			8.5	8.5	8.3	9.5	9.0
COP @5°F			2.0	2.0	2.0	2.0	2.0
COP @47°F			3.47	3.42	3.47	3.40	3.40
Cooling Temperature Range		°F	5 - 118	5 - 118	5 - 118	5 - 118	5 - 118
Heating Temperature Range		°F	5 - 75	5 - 75	5 - 75	5 - 75	5 - 75
Refrigerant Type			R32				
INDOOR UNIT			FXE24HP230V1R32AH	FXE30HP230V1R32AH	FXE36HP230V1R32AH	FXE48HP230V1R32AH	FXE60HP230V1R32AH
Power Supply	VAC	208-230V / 1Ph / 60 Hz					
Sound Pressure Level	dB(A)	47	51	51	53	54	
Control Voltage	VAC	24	24	24	24	24	
Rated Current Cooling	A	10	12	14	19	21	
Rated Current Heating	A	10	12	14	19	21	
MCA	A	4.7	5.3	5.3	7.1	7.7	
MOCP	A	15	15	15	15	15	
Electric Heater (Optional)	kW	6	6, 9, 12	6, 9, 12	6, 9, 12	6, 9, 12	
Air Flow	CFM	800	900	1050	1400	1500	
External Static Pressure (Up to)	In W.c.	1.0	1.0	1.0	1.0	1.0	
Dehumidification	pt/hr	4.25	4.95	6.02	8.49	9.56	
Drain Piping	in	Φ1×0.05	Φ1×0.05	Φ1×0.05	Φ1×0.05	Φ1×0.05	
External Dimensions (W x H x D)	in	18-1/8 x 21-1/4 x 43-1/2	18-1/8 x 21-1/4 x 43-1/2	21-1/4 x 21-1/4 x 48-3/16	24-13/16 x 21-1/4 x 52	24-13/16 x 21-1/4 x 52	
Package Dimension (W x H x D)	in	20-5/8 x 26 x 45-5/8	20-5/8 x 26 x 45-5/8	23-3/4 x 26 x 50-3/8	27-1/4 x 26 x 54-3/16	27-1/4 x 26 x 54-3/16	
Net Weight	lbs	135.6	135.6	163.1	199.5	199.5	
Gross Weight	lbs	144.4	144.4	178.6	218.0	218.0	
OUTDOOR UNIT			FXE30HP230V1R32AO		FXE36HP230V1R32AO	FXE60HP230V1R32AH	
Power Supply	VAC	208-230V / 1Ph / 60 Hz					
Sound Pressure Level	dB(A)	58	60	63			
Control Voltage	VAC	24	24	24			
Rated Current Cooling	A	11.6	14.0	21.1			
Rated Current Heating	A	11.6	13.8	21.3			
MCA	A	27.7	27.7	39.9			
MOCP	A	30	30	45			
Compressor Type			GREE G20 / Double Cylinder / 1 - Stage Inverter				
External Dimensions (W x H x D)	in	36-1/4x14-9/16x29-3/8	36-1/4x14-9/16x29-3/8	35-7/16 x 13-3/8 x 49-5/8			
Package Dimension (W x H x D)	in	42-1/2 x 19 x 31-1/2	42-1/2 x 19 x 31-1/2	40-11/16 x 17-3/8 x 55-3/16			
Net Weight	lbs	113.5	124.6	214			
Gross Weight	lbs	122.4	133.4	236			
Refrigerant Charge - R32	oz	67.0	98.8	148.2			
Additional Charge	oz/ft	0.215	0.215	0.215			
REFRIGERANT PIPING							
Line Set Size (Liquid - Gas) - Flared Connections	in	3/8 - 3/4	3/8 - 3/4	3/8 - 3/4	3/8 - 3/4	3/8 - 3/4	
Pre-Charge Length	ft	25	25	25	25	25	
Pipe Length (Min - Max)	ft	10 - 98	10 - 98	10 - 98	10 - 98	10 - 98	
Max. Pipe Elevation	ft	49	49	49	49	49	
LIMITED WARRANTY			5 Years Parts, 7 Years Compressor - Residential & Commercial				



IT ALL FITS TOGETHER
FOR COMFORT



- UP TO 21.0 SEER2 / 13.6 EER2 / 10.0 HSPF2 EFFICIENCY
- COOLING RANGE -22°F - 118°F
- HEATING RANGE -22°F - 75°F
- MAXIMUM LINE LENGTH: 328 FT.

A MULTI-ZONE SYSTEM WITH ALL THE
OPTIONS FOR EACH SPACE

GREE’s Multi-Zone systems deliver versatility and high performance. With 7 indoor options to choose from, each space is optimally treated for comfort and efficiency.

- Self-Diagnosis
 - Indoor units powered by outdoor unit
 - Intelligent defrost
 - Automatic voltage adaptation
- Small footprint design
 - Advanced G20 inverter technology
 - Quiet operation
 - Up to 7 unique indoor options

SYSTEM TYPE			HEAT PUMP					
Outdoor Model			MUL18HP230V1R32AO	MUL24HP230V1R32AO	MUL30HP230V1R32AO	MUL36HP230V1R32AO	MUL42HP230V1R32AO	MUL48HP230V1R32AO
Number of Zones			2	2 - 3	2 - 4	2 - 4	2 - 5	2 - 5
SYSTEM PERFORMANCE (Non-Ducted Indoor Units)								
Cooling Capacity	Min - Max	Btu/h	5,434 - 23,495	6,292 - 28,772	7,198 - 32,915	10,275 - 46,989	11,765 - 53,799	11,765 - 53,799
	Capacity @95°F	Btu/h	18,000	24,000	28,400	36,000	42,000	48,000
Heating Capacity	Min - Max	Btu/h	5,397 - 19,800	8,704 - 26,400	11,305 - 33,000	13,506 - 39,600	14,007 - 46,200	14,007 - 49,200
	Capacity @47°F	Btu/h	18,000	24,000	30,000	36,000	42,000	48,000
	Capacity @17°F	Btu/h	16,000	23,600	28,000	36,000	40,000	40,000
	Capacity Max @5°F	Btu/h	13,800	21,600	27,000	36,000	37,800	37,800
SEER2			21	21	21	21	21	21
EER2			12.0	13.3	13.6	12.0	13.0	12.0
HSPF2			10.0	10.0	10.0	10.0	10.0	10.0
COP @5°F			2.0	2.0	2.07	2.10	2.10	2.10
Energy Star® South			YES	YES	YES	YES	YES	YES
Energy Star® Certified with Cold Climate Designation			YES	YES	YES	YES	YES	YES
SYSTEM PERFORMANCE (Ducted Indoor Units)								
Cooling Capacity	Min - Max	Btu/h	5,434 - 23,495	6,292 - 28,772	7,198 - 32,915	10,275 - 46,989	11,765 - 53,799	11,765 - 53,799
	Capacity @95°F	Btu/h	18,000	24,000	28,400	36,000	42,000	48,000
Heating Capacity	Min - Max	Btu/h	5,397 - 19,800	8,704 - 26,400	11,305 - 33,000	13,506 - 39,600	14,007 - 46,200	14,007 - 49,200
	Capacity @47°F	Btu/h	18,000	24,000	30,000	36,000	42,000	48,000
	Capacity @17°F	Btu/h	15,000	22,000	27,200	36,000	40,000	40,000
	Capacity Max @5°F	Btu/h	13,600	21,600	26,000	33,000	36,000	36,000
SEER2			18.0	18.0	18.0	18.0	18.0	18.0
EER2			11.7	12.0	12.0	11.7	12.0	11.7
HSPF2			8.1	8.1	8.1	8.1	8.1	8.1
COP @5°F			1.86	1.86	1.88	1.90	1.90	1.90
Energy Star® South			YES	YES	YES	YES	YES	YES
Energy Star® Certified with Cold Climate Designation			YES	YES	YES	YES	YES	YES
SYSTEM PERFORMANCE (Mixed Ducted and Non-Ducted Indoor Units)								
Cooling Capacity	Min - Max	Btu/h	5,434 - 23,495	6,292 - 28,772	7,198 - 32,915	10,275 - 46,989	11,765 - 53,799	11,765 - 53,799
	Capacity @95°F	Btu/h	18,000	24,000	28,400	36,000	42,000	48,000
Heating Capacity	Min - Max	Btu/h	5,397 - 19,800	8,704 - 26,400	11,305 - 33,000	13,506 - 39,600	14,007 - 46,200	14,007 - 49,200
	Capacity @47°F	Btu/h	18,000	24,000	30,000	36,000	42,000	48,000
	Capacity @17°F	Btu/h	15,400	23,000	27,600	36,000	40,000	40,000
	Capacity Max @5°F	Btu/h	13,700	21,600	26,400	34,000	37,000	37,000
SEER2			19.0	19.0	19.0	19.0	19.0	19.0
EER2			11.8	12.2	12.2	11.8	12.2	11.8
HSPF2			9.0	9.0	9.0	9.0	9.0	9.0
COP @5°F			1.80	1.80	1.81	1.84	1.84	1.84
Energy Star® South			YES	YES	YES	YES	YES	YES
Energy Star® Certified with Cold Climate Designation			YES	YES	YES	YES	YES	YES
OUTDOOR UNIT			MUL18HP230V1R32AO	MUL24HP230V1R32AO	MUL30HP230V1R32AO	MUL36HP230V1R32AO	MUL42HP230V1R32AO	MUL48HP230V1R32AO
Cooling Temperature Range		°F	-22 - 118					
Heating Temperature Range		°F	-22 - 75					
Refrigerant Type			R32					
Cmpressor Type			GREE G20 / Double Cylinder / 1 - Stage Inverter					
Sound Pressure Level		dB(A)	54	58	62	63	63	63
External Dimensions (W x H x D)		in	32-23/64 x 21-42/64 x 13-55/64	37-61/64 x 25-63/64 x 15-53/64	40-10/64 x 32-33/64 x 16-52/64	40-10/64 x 32-33/64 x 16-52/64	40-10/64 x 32-33/64 x 16-52/64	40-10/64 x 32-33/64 x 16-52/64
Package Dimension (W x H x D)		in	34-21/64 x 24-13/32 x 15-43/64	40-5/8 x 29-1/64 x 17-61/64	43-1/32 x 34-27/32 x 19-9/16	43-1/32 x 34-27/32 x 19-9/16	43-1/32 x 34-27/32 x 19-9/16	43-1/32 x 34-27/32 x 19-9/16
Net Weight		lbs	75.0	112.5	145.5	176.4	178.6	174.2
Gross Weight		lbs	81.6	122.4	161.0	189.6	191.8	189.6
REFRIGERANT PIPING								
Refrigerant Charge - R32		oz	31.8	59.98	77.62	95.24	95.24	95.256
Cmpressor Type			GREE G20 / Double Cylinder / 1 - Stage Inverter					
Additional Charge		oz/ft	0.2	0.2	0.2	0.2	0.2	0.2
Port Size (Liquid - Gas)	Port A (in)	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8
	Port B (in)	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8
	Port C (in)		1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8
	Port D (in)			1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8
	Port E (in)				1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8
Pre-Charge Length		ft	33	98	131	131	164	164
Pipe Length (Min - Max)		ft	10 - 131	10 - 197	10 - 263	10 - 263	10 - 328	10 - 328
Pipe Length to furthest Indoor Unit		ft	66	66	82	82	82	82
Max. Pipe Elevation		ft	49	49	82	82	82	82
ELECTRICAL								
Power Supply			208-230V / 1Ph / 60Hz					
Voltage Range (Min - Max)		VAC	187 - 253					
Rated Current - Cooling		A	11	14	20	21.7	21.7	21.7
Rated Current - Heating		A	11	14.8	21.7	22.6	22.6	22.6
MCA		A	18.5	19.5	23	29	29	30
MOCP		A	20	25	35	35	35	45
Suggested Breaker Size		A	20	20	25	30	30	30
Main Power Wire Size			Per Local Code					
Interconnecting Wire Size			14 / 4					
LIMITED WARRANTY			5 Years Parts, 7 Years Compressor - Residential & Commercial					

GREE MINI-SPLITS

A solution to meet
all your needs.



INDOOR UNIT OPTIONS FOR SINGLE & MULTI-ZONE SYSTEMS

WALL MOUNTS

Check outdoor unit match-ups for SEER2 / EER2 / HSPF2 / COP ratings



- Precise airflow control
- Intelligent pre-heating & defrost
- Auto clean
- Self-diagnosis
- Multiple fan speeds
- Automatic voltage adaptation & low voltage start-up
- Sleep & timer functions
- Swing louver control

SAPPHIRE is the product of choice for its sleek design, quiet operation, and industry-leading efficiency. For all applications, the performance data speaks for itself. Experience the next generation of mini-splits.



- Auto clean
- Dehumidification
- I-Feel functionality
- Self-diagnosis
- Multiple fan speeds
- Automatic voltage adaptation
- Low voltage start-up
- Swing louver control

VIREO systems provide the utmost flexibility and performance. With a wide range of indoor unit options, the VIREO fits with any decor or situation. The system’s high performance delivers ample heating and cooling for both seasons and operates with utmost efficiency. Finally, the VIREO is whisper-quiet for ultimate comfort.



- Auto clean
- Dehumidification
- I-Feel functionality
- Self-diagnosis
- Multiple fan speeds
- Automatic voltage adaptation
- Low voltage start-up
- Swing louver control

LIVO systems deliver great performance and efficiency while also keeping your budget in mind. Like all GREE systems, the variable speed compressor and intelligent design allow for ease-of-use, reliability, and quiet operation.



- Option for Fresh Air kit
- Dehumidification
- Auto clean
- Self-diagnosis
- Multiple fan speeds
- Automatic voltage adaptation
- Low voltage start-up
- Swing louver control

ENVO systems can handle those challenging environments that require outside air when you include the optional fresh air kit. With GREE’s superior reliability and performance, the ENVO can tackle most applications.

SAPPHIRE R32 WALL MOUNT

MODEL		SAP09HP230VIR32AH	SAP12HP230VIR32AH	SAP18HP230VIR32AH	SAP24HP230VIR32AH
Air flow (Min - Max)	CFM	265 - 506	353 - 565	471 - 736	353 - 765
Sound Pressure Level (Min - Max)	dB(A)	23 - 42	27- 43	35 - 49	36 - 53
Dehumidification	pt/hr	1.69	2.96	3.80	7.40
External Dimensions (W x H x D)	in	38-3/16 x 13-21/32 x 10-1/8	38-3/16 x 13-21/32 x 10-1/8	43-45/64 x 13-21/32 x 10-1/8	43-45/64 x 13-21/32 x 10-1/8
Package Dimension (W x H x D)	in	40-7/16 x 13-11/32 x 16-1/2	40-7/16 x 13-11/32 x 16-1/2	45-55/64 x 13-21/32 x 16-1/2	45-55/64 x 13-21/32 x 16-1/2
Net Weight	lbs	33.1	33.1	38.6	39.7
Gross Weight	lbs	38.6	38.6	45.2	46.3
Line Set Size (Liquid - Gas) - Flared Connections	in	1/4 - 1/2	1/4 - 1/2	1/4 - 5/8	1/4 - 5/8
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor - Residential & Commercial			

VIREO R32 WALL MOUNT

MODEL		VIR09HP230VIR32AH	VIR12HP230VIR32AH	VIR18HP230VIR32AH	VIR24HP230VIR32AH
Air flow (Min - Max)	CFM	194 - 353	230 - 400	324 - 589	383 - 736
Sound Pressure Level (Min - Max)	dB(A)	20 - 41	20 - 43	27 - 48	34 - 52
Dehumidification	pt/hr	1.69	2.96	3.80	4.23
External Dimensions (W x H x D)	in	32-31/64 x 11-17/32 x 7-23/32	32-31/64 x 11-17/32 x 7-23/32	38-21/32 x 12-1/4 x 8-45/64	42-21/64 x 13-7/64 x 9-11/16
Package Dimension (W x H x D)	in	34-29/64 x 14-3/8 x 10-35/64	34-29/64 x 14-3/8 x 10-35/64	41-7/64 x 15-5/32 x 11-11/16	44-39/64 x 16-19/64 x 13-7/64
Net Weight	lbs	20.9	20.9	28.7	35.3
Gross Weight	lbs	25.4	25.4	34.2	41.9
Line Set Size (Liquid - Gas) - Flared Connections	in	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2	1/4 - 5/8
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor - Residential & Commercial			

LIVO R32 WALL MOUNT

MODEL		LIV05HP230VIR32AH	LIV07HP230VIR32AH
Air flow (Min - Max)	CFM	135 - 247	135 - 259
Sound Pressure Level (Min - Max)	dB(A)	24 - 38	23 - 38
Dehumidification	pt/hr	0.63	1.27
External Dimensions (W x H x D)	in	27 7/8 x 10 1/4 x 7 5/6	27 7/8 x 10 1/4 x 7 5/16
Package Dimension (W x H x D)	in	29 5/8 x 13 1/16 x 10 3/16	29 5/8 x 13 1/16 x 10 3/16
Net Weight	lbs	15.4	15.4
Gross Weight	lbs	18.7	18.7
Line Set Size (Liquid - Gas)	in	1/4 - 3/8	1/4 - 3/8

MODEL		LIV09HP115VIR32AH	LIV12HP115VIR32AH	LIV09HP230VIR32AH	LIV12HP230VIR32AH	LIV18HP230VIR32AH	LIV24HP230VIR32AH	LIV30HP230VIR32AH	LIV36HP230VIR32AH
Air flow (Min - Max)	CFM	159 - 353	182 - 424	159 - 353	182 - 424	282 - 618	412 - 677	441 - 794	441 - 794
Sound Pressure Level (Min - Max)	dB(A)	24 - 43	27 - 47	24 - 41	27 - 47	34 - 53	36 - 51	36 - 52	36 - 52
Dehumidification	pt/hr	1.69	2.96	1.69	2.96	3.80	5.28	7.40	7.40
External Dimensions (W x H x D)	in	32-7/8 x 10-53/64 x 7-7/8	32-7/8 x 10-53/64 x 7-7/8	32-7/8 x 10-53/64 x 7-7/8	32-7/8 x 10-53/64 x 7-7/8	37-1/8 x 13-7/64 x 9-11/16	42-7/16 x 13-7/64 x 9-11/16	42-7/16 x 13-7/64 x 9-11/16	42-7/16 x 13-7/64 x 9-11/16
Package Dimension (W x H x D)	in	35-15/64 x 13-37/64 x 10-43/64	35-15/64 x 13-37/64 x 10-43/64	35-15/64 x 13-37/64 x 10-43/64	35-15/64 x 13-37/64 x 10-43/64	39-13/32 x 15-15/16 x 12-43/64	44-39/64 x 16-19/64 x 13-7/64	44-39/64 x 16-19/64 x 13-7/64	44-39/64 x 16-19/64 x 13-7/64
Net Weight	lbs	19.8	19.8	19.8	19.8	28.7	33.1	34.2	34.2
Gross Weight	lbs	24.3	24.3	24.3	24.3	34.2	39.7	40.8	40.8
Line Set Size (Liquid - Gas) - Flared Connections	in	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2	1/4 - 5/8	1/4 - 5/8
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor - Residential & Commercial							

ENVO R32 WALL MOUNT

MODEL		ENV09HP230VIR32AH	ENV12HP230VIR32AH	ENV18HP230VIR32AH	ENV24HP230VIR32AH
Air flow (Min - Max)	CFM	129 - 353	212 - 400	324 - 589	235 - 559
Sound Pressure Level (Min - Max)	dB(A)	20 - 41	20 - 43	29 - 48	30 - 48
Dehumidification	pt/hr	1.69	2.96	3.80	5.07
External Dimensions (W x H x D)	in	32 61/64 x 11 17/32 x 7 7/8	32 61/64 x 11 17/32 x 7 7/8	39 3/32 x 12 1/4 x 8 47/64	39 3/32 x 12 1/4 x 8 47/64
Package Dimension (W x H x D)	in	35 9/32 x 14 11/16 x 10 45/64	35 18/64 x 14 44/64 x 10 45/64	41 17/32 x 15 5/32 x 11 47/64	41 17/32 x 15 5/32 x 11 47/64
Net Weight	lbs	20.9	20.9	29.8	29.8
Gross Weight	lbs	25.4	25.4	35.3	35.3
Line Set Size (Liquid - Gas) - Flared Connections	in	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2	1/4 - 5/8
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor - Residential & Commercial			

INDOOR UNIT OPTIONS FOR SINGLE & MULTI-ZONE SYSTEMS

Check outdoor unit match-ups for SEER2 / EER2 / HSPF2 / COP ratings

360° CASSETTE



- 4-Way discharge air
- Multiple fan speeds
- Swing louver control
- Automatic voltage adaption
- Internal condensate drain pump
- Sentry float switch
- Refrigerant sensor
- Anti-corrosion fins

GREE’s ceiling cassette inconspicuously provides quiet performance through its innovative, 360° design. The ceiling cassette is suitable for any room and can be easily installed in a suspended ceiling with only a discreet decorative discharge grille.

SLIM DUCT



- High E.S.P capability-adjustable
- Slim line construction
- Outside air capability
- Cleanable air filter
- Flexible return air from bottom or rear
- Internal condensate pump
- Sentry float switch
- Refrigerant sensor

Install a slim duct in a ceiling or wall for a concealed HVAC solution that distributes air through minimal ductwork. Operating quietly and efficiently, the slim duct is nearly invisible in any room as it delivers consistent comfort in heating or cooling.

360° CASSETTE

MODEL		CAS09HP230V1R32AH	CAS12HP230V1R32AH	CAS18HP230V1R32AH	CAS24HP230V1R32AH		CAS30HP230V1R32AH	CAS36HP230V1R32AH
Air flow (Min-Max)	CFM	206 - 330	206 - 330	206 - 383	440 - 560		647 - 1000	665 - 1071
Sound Pressure Level (Min - Max)	dB(A)	29 - 40	29 - 40	30 - 44	39 - 45		38 - 51	38 - 52
Dehumidification	pt/hr	2.96	2.96	3.80	5.28		7.40	7.82
External Dimensions (L x D x H)	in	22-7/16 x 22-7/16 x 10-7/16	22-7/16 x 22-7/16 x 10-7/16	22-7/16 x 22-7/16 x 10-7/16	33-5/64 x 33-5/64 x 9-29/64		33-5/64 x 33-5/64 x 9-29/64	33-5/64 x 33-5/64 x 9-29/64
Package Dimension (L x W x H)	in	27-31/64 x 25-45/64 x 11-39/64	27-31/64 x 25-45/64 x 11-39/64	27-31/64 x 25-45/64 x 11-39/64	37-29/32 x 37-29/32 x 12-51/64		36-47/64 x 35-35/64 x 10-45/64	36-47/64 x 35-35/64 x 10-45/64
Net Weight	lbs	37.5	37.5	37.5	63.9		49.6	50.7
Gross Weight	lbs	48.5	48.5	48.5	83.8		62.8	63.9
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 5/8		1/4 - 5/8	1/4 - 5/8
CASSETTE GRILLE (REQUIRED)		GREETF05	GREETF05	GREETF05		GREETF06	GREETF06	
Grille Dimension (L x D x H)	in	24-13/32 x 24-13/32 x 1-7/8	24-13/32 x 24-13/32 x 1-7/8	24-13/32 x 24-13/32 x 1-7/8	37-13/32 x 37-13/32 x 2-3/64		37-13/32 x 37-13/32 x 2-3/64	
Package Dimension (L x W x H)	in	27-19/32 x 27-19/32 x 4-59/64	27-19/32 x 27-19/32 x 4-59/64	27-19/32 x 27-19/32 x 4-59/64	40-43/64 x 40-55/64 x 4-13/32		40-43/64 x 40-55/64 x 4-13/32	
Weight (Net / Gross)	lbs	6.6 / 9.9	6.6 / 9.9	6.6 / 9.9	13.23 / 20.948		13.23 / 20.948	
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor - Residential & Commercial						

Compatible with Vireo R32, Envo R32, Sapphire R32 & Multi R32 Outdoor Units. Sizes 30K & 36K are only compatible with Livo R32 Outdoor Units.



SLIM DUCT

MODEL		DUC09HP230V1R32AH	DUC12HP230V1R32AH	DUC18HP230V1R32AH	DUC24HP230V1R32AH	DUC30HP230V1R32AH	DUC36HP230V1R32AH
Air flow (Min-Max)	CFM	188 - 324	212 - 353	288 - 589	406 - 736	647 - 883	853 - 1324
External Static Pressure (Max)	In W.c.	0.6	0.6	0.8	0.8	0.8	0.8
Sound Pressure Level (Min - Max)	dB(A)	25 - 38	25 - 39	25 - 40	30 - 42	36 - 45	39 - 45
Dehumidification	pt/hr	1.69	2.96	3.80	5.28	7.40	7.82
External Dimensions (L x D x H)	in	32-43/64 x 29-11/16 x 11-13/16	32-43/64 x 29-11/16 x 11-13/16	44-31/64 x 29-11/16 x 11-13/16	44-31/64 x 29-11/16 x 11-13/16	35-7/16 x 10-15/64 x 25-25/32	52-3/4 x 25-25/32 x 10-15/64
Package Dimension (L x W x H)	in	35-5/16 x 31-13/16 x 14-11/16	35-5/16 x 31-13/16 x 14-11/16	47-7/16 x 32-1/64 x 14-11/64	47-7/16 x 32-1/64 x 14-11/64	43-57/64 x 30-25/64 x 12-19/32	61-47/64 x 30-5/16 x 12-23/32
Net Weight	lbs	70.6	70.6	92.6	92.6	66.2	94.8
Gross Weight	lbs	83.8	83.8	106.9	106.9	77.2	108.0
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4 - 3/8	1/4 - 3/8	1/4 - 5/8	1/4 - 5/8	1/4 - 5/8	1/4 - 5/8
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor - Residential & Commercial					

Compatible with Vireo R32, Envo R32, Sapphire R32 & Multi R32 Outdoor Units. Sizes 30K & 36K are only compatible with Livo R32 Outdoor Units.



FLOOR CEILING

MODEL		FLR09HP230V1R32AH	FLR12HP230V1R32AH	FLR18HP230V1R32AH	FLR24HP230V1R32AH	FLR30HP230V1R32AH	FLR36HP230V1R32AH
Air flow (Min-Max)	CFM	247 - 412	247 - 412	241 - 400	424 - 559	706 - 1000	895 - 1236
Sound Pressure Level (Min - Max)	dB(A)	26 - 38	26 - 38	26 - 38	26 - 38	44 - 52	44 - 54
Dehumidification	pt/hr	1.69	2.96	3.80	5.28	7.40	7.82
External Dimensions (L x D x H)	in	34-1/4 x 9-1/4 x 26-3/16	34-1/4 x 9-1/4 x 26-3/16	34-1/4 x 9-1/4 x 26-3/16	47-1/4 x 9-1/4 x 26-3/16	47-1/4 x 9-1/4 x 26-3/16	61-13/16 x 9-1/4 x 26-3/16
Package Dimension (L x W x H)	in	40-11/16 x 30-5/16 x 11-13/16	40-11/16 x 30-5/16 x 11-13/16	40-11/16 x 30-5/16 x 11-13/16	53-11/16 x 30-5/16 x 11-13/16	53-11/16 x 11-13/16 x 30-5/16	68-5/64 x 11-13/16 x 30-5/16
Net Weight	lbs	55.1	55.1	56.2	72.8	70.6	92.6
Gross Weight	lbs	66.2	66.2	67.3	88.2	83.8	108.0
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 5/8	1/4 - 5/8	1/4 - 5/8
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor - Residential & Commercial					

Compatible with Vireo R32, Envo R32, Sapphire R32 & Multi R32 Outdoor Units. Sizes 30K & 36K are only compatible with Livo R32 Outdoor Units.



INDOOR UNIT OPTIONS FOR SINGLE & MULTI-ZONE SYSTEMS

Check outdoor unit match-ups for SEER2 / EER2 / HSPF2 / COP ratings

ONE WAY CASSETTE



- Multiple fan speeds
- Swing louver control
- Automatic voltage adaption
- Internal condensate drain pump
- Sentry float switch
- Refrigerant sensor
- Anti-corrosion Fins
- High quality motor

The One-Way Cassette is a sleek, ductless unit designs for spaces that require directional airflow such as small, narrow rooms. Its compact, discreet design blends seamlessly with any ceiling and operates quietly to deliver comfort and efficiency.

MINI CONSOLE



- 2-way discharge air
- Multiple fan speeds
- Swing louver control
- Automatic voltage adaption
- Remote & wired controller options
- Refrigerant sensor
- Anti-corrosion Fins
- High quality motor

This compact unit can be installed in small rooms or under windows to provide even, comfortable airflow at the floor level, maintaining consistent temperatures without drafts. Quiet and efficient, it’s a practical, stylish solution for challenging spaces.

FLOOR STANDING



- Multiple fan speeds
- Sleep function
- Swing louver control
- Automatic voltage adaption
- Privacy lock mode
- Remote & panel controller options
- Anti-corrosion fins
- High quality motor

The floor-standing unit is a versatile option for delivering comfort without compromising on aesthetics or space. The simple design allows for easy maintenance, quick temperature adjustments and energy savings.

AIR HANDLER

COMING SOON



ONE WAY CASSETTE

MODEL		OWC09HP230V1R32AH	OWC12HP230V1R32AH	OWC18HP230V1R32AH	OWC20HP230V1R32AH
Air flow (Min-Max)	CFM	200 - 324	230 - 353	265 - 412	294 - 441
Sound Pressure Level (Min - Max)	dB(A)	31 - 37	34 - 41	35 - 43	36 - 46
Dehumidification	pt/hr	1.69	2.96	3.80	4.23
External Dimensions (L x D x H)	in	38-55/64 × 15-5/32 × 7-1/64	38-55/64 × 15-5/32 × 7-1/64	38-55/64 × 15-5/32 × 7-1/64	38-55/64 × 15-5/32 × 7-1/64
Package Dimension (L x W x H)	in	51-29/64 × 19-23/32 × 12-13/64	51-29/64 × 19-23/32 × 12-13/64	51-29/64 × 19-23/32 × 12-13/64	51-29/64 × 19-23/32 × 12-13/64
Net Weight	lbs	41.9	41.9	44.1	44.1
Gross Weight	lbs	57.3	57.3	59.5	59.5
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2
CASSETTE GRILLE (REQUIRED)		GREETD01	GREETD01	GREETD01	GREETD01
Grille Dimension (L x D x H)	in	47-1/4 × 18-7/64 × 2-11/64	47-1/4 × 18-7/64 × 2-11/64	47-1/4 × 18-7/64 × 2-11/64	47-1/4 × 18-7/64 × 2-11/64
Package Dimension (L x W x H)	in	49-13/16 × 21-1/8 × 4-25/32	49-13/16 × 21-1/8 × 4-25/32	49-13/16 × 21-1/8 × 4-25/32	49-13/16 × 21-1/8 × 4-25/32
Weight (Net / Gross)	lbs	9.26 / 13.23	9.26 / 13.23	9.26 / 13.23	9.26 / 13.23
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor - Residential & Commercial			

Compatible with Vireo R32, Envo R32, Sapphire R32 & Multi R32 Outdoor Units.



MINI CONSOLE

MODEL		CON09HP230V1R32AH	CON12HP230V1R32AH	CON18HP230V1R32AH
Air flow (Min-Max)	CFM	188 - 383	206 - 441	241 - 494
Sound Pressure Level (Min - Max)	dB(A)	26 - 42	29 - 45	32 - 47
Dehumidification	pt/hr	1.69	2.96	3.80
External Dimensions (L x D x H)	in	27-9/16 x 8-15/32 x 23-5/8	27-9/16 x 8-15/32 x 23-5/8	27-9/16 x 8-15/32 x 23-5/8
Package Dimension (L x W x H)	in	31-1/32 x 11-9/64 x 27-7/16	31-1/32 x 11-9/64 x 27-7/16	31-1/32 x 11-9/64 x 27-7/16
Net Weight	lbs	33.1	33.1	33.1
Gross Weight	lbs	39.7	39.7	39.7
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor - Residential & Commercial		

Compatible with Vireo R32, Envo R32, Sapphire R32 & Multi R32 Outdoor Units.



FLOOR STANDING

MODEL		FSU36HP230V1R32AH
Air flow (Min-Max)	CFM	883 - 1148
Sound Pressure Level (Min - Max)	dB(A)	48 - 54
Dehumidification	pt/hr	7.40
External Dimensions (L x D x H)	in	23-7/64 × 15-33/64 × 74-6/64
Package Dimension (L x W x H)	in	28-10/64 × 18-32/64 × 83-42/64
Net Weight	lbs	130.1
Gross Weight	lbs	156.6
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4 - 5/8
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor - Residential & Commercial

Works with with Livo R32 outdoor unit.



RATED COMBINATIONS

MODEL NUMBER	TWO UNITS	THREE UNITS	FOUR UNITS	FIVE UNITS
MUL18HP230V1R32AO	9+9			
	9+12			
	12+12			
MUL24HP230V1R32AO	ABOVE SIZES PLUS:			
	9+18			
	12+18			
	18+18			
MUL30HP230V1R32AO	ABOVE SIZES PLUS:	ABOVE SIZES PLUS:		
	9+24	9+9+24		
	12+24	9+12+18		
	18+24	12+12+18		
MUL36HP230V1R32AO	ABOVE SIZES PLUS:	ABOVE SIZES PLUS:	ABOVE SIZES PLUS:	
	9+24	9+9+24	9+9+9+24	
	12+24	9+12+24	9+9+12+18	
	18+24	9+18+18	9+9+12+24	
	24+24	9+18+24	9+9+18+18	
		12+12+24	9+12+12+12	
		12+18+18	9+12+12+18	
		12+18+24	12+12+12+12	
MUL42HP230V1R32AO MUL48HP230V1R32AO	ALL THE ABOVE SIZES	ABOVE SIZES PLUS:	ABOVE SIZES PLUS:	
		9+24+24	9+9+18+24	
		12+24+24	9+12+12+24	
		18+18+24	9+12+18+18	
			9+12+18+24	
			9+9+9+9+18	
			9+9+9+12+12	
			9+9+9+12+18	
			9+9+9+12+24	
			9+9+9+18+18	
			9+9+12+12+12	
			9+12+12+12+18	
			12+12+12+12+12	
			9+9+12+12+18	
			9+12+12+12+12	
			9+12+12+12+18	
			12+12+12+12+12	

Note: You may substitute the 9K unit with a 5K or 7K High Wall unit.



WHY GREE?

- ✓ Advanced Technology
- ✓ Smart Systems
- ✓ Complete Product Range

Discover more:



MULTI-ZONE COMPATIBILITY CHART

WALL MOUNT OPTIONS



MULTI-ZONE						
	MUL18HP230V1R32AO	MUL24HP230V1R32AO	MUL30HP230V1R32AO	MUL36HP230V1R32AO	MUL42HP230V1R32AO	MUL48HP230V1R32AO
LIVO R32						
System Model no.						
LIV05HP230V1R32AH	•	•	•	•	•	•
LIV07HP230V1R32AH	•	•	•	•	•	•
LIV09HP230V1R32AH	•	•	•	•	•	•
LIV12HP230V1R32AH	•	•	•	•	•	•
LIV18HP230V1R32AH		•	•	•	•	•
LIV24HP230V1R32AH			•	•	•	•
LIV30HP230V1R32AH						
LIV36HP230V1R32AH						
VIREO R32						
System Model no.						
VIR09HP230V1R32AH	•	•	•	•	•	•
VIR12HP230V1R32AH	•	•	•	•	•	•
VIR18HP230V1R32AH		•	•	•	•	•
VIR24HP230V1R32AH			•	•	•	•
ENVO R32						
System Model no.						
ENV09HP230V1R32AH	•	•	•	•	•	•
ENV12HP230V1R32AH	•	•	•	•	•	•
ENV18HP230V1R32AH		•	•	•	•	•
ENV24HP230V1R32AH			•	•	•	•
SAPPHIRE R32						
System Model no.						
SAP09HP230V1R32AH	•	•	•	•	•	•
SAP12HP230V1R32AH	•	•	•	•	•	•
SAP18HP230V1R32AH		•	•	•	•	•
SAP24HP230V1R32AH				•	•	•



ADDITIONAL INDOOR UNIT OPTIONS

MULTI-ZONE						
	MUL18HP230V1R32AO	MUL24HP230V1R32AO	MUL30HP230V1R32AO	MUL36HP230V1R32AO	MUL42HP230V1R32AO	MUL48HP230V1R32AO
ONE WAY CASSETTE						
System Model no.						
OWC09HP230V1R32AH	•	•	•	•	•	•
OWC12HP230V1R32AH	•	•	•	•	•	•
OWC18HP230V1R32AH		•	•	•	•	•
OWC20HP230V1R32AH			•	•	•	•
360° CEILING CASSETTE						
System Model no.						
CAS09HP230V1R32AH	•	•	•	•	•	•
CAS12HP230V1R32AH	•	•	•	•	•	•
CAS18HP230V1R32AH		•	•	•	•	•
CAS24HP230V1R32AH			•	•	•	•
SLIM DUCT						
System Model no.						
DUC09HP230V1R32AH	•	•	•	•	•	•
DUC12HP230V1R32AH	•	•	•	•	•	•
DUC18HP230V1R32AH		•	•	•	•	•
DUC24HP230V1R32AH			•	•	•	•
FLOOR/CEILING						
System Model no.						
FLR09HP230V1R32AH	•	•	•	•	•	•
FLR12HP230V1R32AH	•	•	•	•	•	•
FLR18HP230V1R32AH		•	•	•	•	•
FLR24HP230V1R32AH			•	•	•	•
MINI CONSOLE						
System Model no.						
CON09HP230V1R32AH	•	•	•	•	•	•
CON12HP230V1R32AH	•	•	•	•	•	•
CON18HP230V1R32AH		•	•	•	•	•

NOTE: R32 Indoor units are only compatible with R32 Outdoor units. Keep in mind, line set is always sized by the indoor unit valve diameter.

MULTI-ZONE

QUICK REFERENCE GUIDE

OUTDOOR UNITS												
Outdoor Model No.	Nominal Capacity (Btu)	Zones	SEER2 / EER2	HSPF2 / COP @5 °F	Cooling Range (°F)	Heating Range (°F)	Pre-Charge Length	Max Pipe length	Max length to indoor unit	Max Lift/Drop OD to ID units	MCA / MCOP	Min AWG
MULTI GEN2												
MUL18HP230V1R32AO	18K	2	21 / 12	10 / 2.0	-22 - 118	-22 - 75	33'	131'	66'	49'	18.5 / 20	14
MUL24HP230V1R32AO	24K	2 - 3	21 / 13.3	10 / 2.0	-22 - 118	-22 - 75	98'	197'	66'	49'	19.5 / 25	12
MUL30HP230V1R32AO	30K	2 - 4	21 / 13.6	10 / 2.07	-22 - 118	-22 - 75	131'	263'	82'	82'	23 / 35	10
MUL36HP230V1R32AO	36K	2 - 4	21 / 12	10 / 2.1	-22 - 118	-22 - 75	131'	263'	82'	82'	29 / 35	10
MUL42HP230V1R32AO	42K	2 - 5	21 / 13	10 / 2.1	-22 - 118	-22 - 75	164'	328'	82'	82'	29 / 35	10
MUL48HP230V1R32AO	48K	2 - 5	21 / 13	10 / 2.1	-22 - 118	-22 - 75	164'	328'	82'	82'	30 / 45	10

INDOOR UNITS												
Indoor Model No.	Nominal Capacity (Btu)	Line Set (Port) Size	Indoor Model No.	Nominal Capacity (Btu)	Line Set (Port) Size	Indoor Model No.	Nominal Capacity (Btu)	Line Set (Port) Size	Indoor Model No.	Nominal Capacity (Btu)	Line Set (Port) Size	E.S.P
LIVO R32			360° CASSETTE¹			FLOOR/CEILING			SLIM DUCT			
LIV09HP230V1R32AH	9K	1/4 x 3/8	CAS09HP230V1R32AH	9K	1/4 x 3/8	FLR09HP230V1R32AH	9K	1/4 x 3/8	DUC09HP230V1R32AH	9K	1/4 x 3/8	0 - .6
LIV12HP230V1R32AH	12K	1/4 x 3/8	CAS12HP230V1R32AH	12K	1/4 x 3/8	FLR12HP230V1R32AH	12K	1/4 x 3/8	DUC12HP230V1R32AH	12K	1/4 x 3/8	0 - .6
LIV18HP230V1R32AH	18K	1/4 x 1/2	CAS18HP230V1R32AH	18K	1/4 x 1/2	FLR18HP230V1R32AH	18K	1/4 x 1/2	DUC18HP230V1R32AH	18K	1/4 x 5/8	0 - .8
LIV24HP230V1R32AH	24K	1/4 x 1/2	CAS24HP230V1R32AH	24K	1/4 x 5/8	FLR24HP230V1R32AH	24K	1/4 x 5/8	DUC24HP230V1R32AH	24K	1/4 x 5/8	0 - .8
VIREO R32			¹GREETF05		9K, 12K & 18K	MINI CONSOLE						
VIR09HP230V1R32AH	9K	1/4 x 3/8	¹GREETF06		24K	CON09HP230V1R32AH	9K	1/4 x 3/8				
VIR12HP230V1R32AH	12K	1/4 x 1/2	ONE WAY CASSETTE¹			CON12HP230V1R32AH	12K	1/4 x 1/2				
VIR18HP230V1R32AH	18K	1/4 x 1/2	OWC09HP230V1R32AH	9K	1/4 x 3/8	CON18HP230V1R32AH	18K	1/4 x 1/2				
VIR24HP230V1R32AH	24K	1/4 x 5/8	OWC12HP230V1R32AH	12K	1/4 x 3/8							
ENVO R32			OWC18HP230V1R32AH	18K	1/4 x 1/2							
ENV09HP230V1R32AH	9K	1/4 x 3/8	OWC20HP230V1R32AH	20K	1/4 x 1/2							
ENV12HP230V1R32AH	12K	1/4 x 1/2	²GREETD01		9K, 12K, 18K & 20K							
ENV18HP230V1R32AH	18K	1/4 x 1/2										
ENV24HP230V1R32AH	24K	1/4 x 5/8										
SAPPHIRE R32												
SAP09HP230V1R32AH	9K	1/4 x 1/2										
SAP12HP230V1R32AH	12K	1/4 x 1/2										
SAP18HP230V1R32AH	18K	1/4 x 5/8										
SAP24HP230V1R32AH	24K	1/4 x 5/8										

1, 2. DECORATIVE CASSETTE GRILLE IS REQUIRED

GLOSSARY

AWG: Main Power Wire Size

MCA: Min Circuit Amps

MOCP: Max Over Current Protection (Amps)

E.S.P.: External Static Pressure

NOTES

ELECTRICAL & COMMUNICATION

- System must be on a single dedicated circuit
- Main power is supplied to the outdoor unit
- Follow all local building codes and NEC regulations
- Interconnecting Cable recommendation: 14/4 AWG stranded copper conductors, THHN 600V unshielded wire
- Use shielded cable if installation is in close proximity to RF and EMI transmitting devices

SYSTEM EFFICIENCY RATINGS

- Check AHRI Documents for SEER2 / EER2 / HSPF2 Ratings

LINE SETS

- Minimum length to indoor unit: 10’
- Line Sets are sized to indoor unit port sizes
- See submittal for line set adapters included with outdoor unit, additional field supplied adapters may be required

WIRED & REMOTE CONTROLLERS

- Wireless Remote Controller included with all models
- Wired Controller optional on Livo R32, Vireo R32 and Sapphire R32
- WIFI enabled for Sapphire R32, Vireo R32 and Livo R32
- XE72 WIFI wired controller is included with Slim Duct, Floor/Ceiling, 360° Cassette and One Way Cassette

INSTALL

- Wind baffle not required for outdoor units



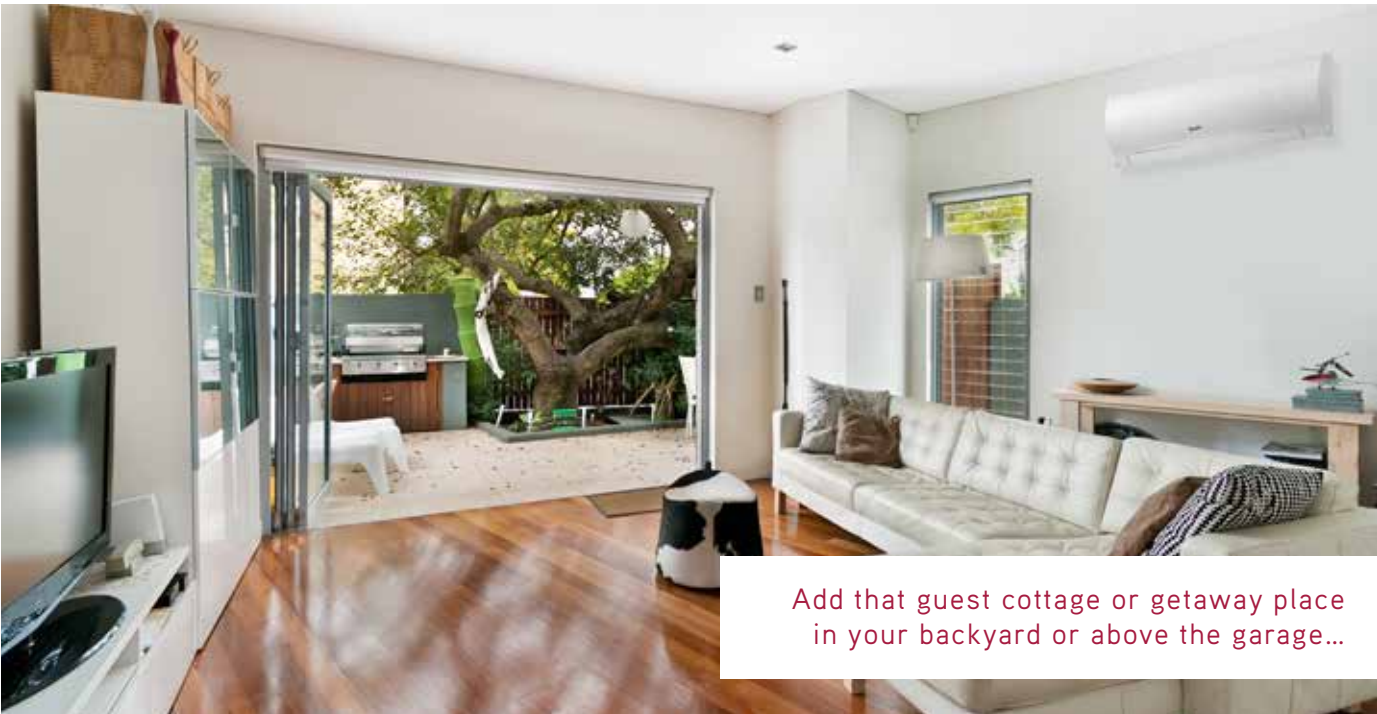
SINGLE-ZONE APPLICATIONS & BENEFITS



Solve those too-hot/too-cold “problem areas”



Gain that extra living space in your home...



Add that guest cottage or getaway place in your backyard or above the garage...



THE PREMIER GEM OF
HEATING AND COOLING



THE HALLMARK OF ELEGANCE, EFFICIENCY
AND PERFORMANCE

SAPPHIRE is the product of choice for its sleek design, quiet operation, and industry-leading efficiency. For all applications, the performance data speaks for itself. Experience the next generation of mini-splits.

- UP TO 30.0 SEER2 / 16.8 EER2 / 11.2 HSPF2 EFFICIENCY
- COOLING RANGE: -20°F - 122°F
- HEATING RANGE: -22°F - 86°F
- MAXIMUM LINE LENGTH: 131 FT.

- Precise airflow control
 - Intelligent pre-heating & defrost
 - Auto-Clean
 - Self-diagnosis
- Multiple fan speeds
 - Automatic voltage adaptation & low voltage start-up
 - Sleep & Timer functions
 - Swing louver control

SYSTEM TYPE		HEAT PUMP			
Outdoor Model		SAP09HP230V1R32AO	SAP12HP230V1R32AO	SAP18HP230V1R32AO	SAP24HP230V1R32AO
Indoor Model		SAP09HP230V1R32AH	SAP12HP230V1R32AH	SAP18HP230V1R32AH	SAP24HP230V1R32AH
SYSTEM PERFORMANCE					
Cooling Capacity	Min - Max	Btu/h	7,971 - 15,942	9,554 - 19,107	10,768 - 27-381
	Capacity @95°F	Btu/h	9,100	12,000	18,000
Heating Capacity	Min - Max	Btu/h	8,134 - 16,600	8,632 - 18,766	9,878 - 27,743
	Capacity @47°F	Btu/h	10,600	12,200	18,600
	Capacity @17°F	Btu/h	8,900	10,300	15,500
	Capacity @5°F	Btu/h	11,500	12,200	18,000
SEER2			30.0	28.0	27.5
EER2			16.8	15.2	14.3
HSPF2			11.2	10.0	10.0
COP @5°F			2.11	2.0	1.8
Energy Star® South			YES	YES	NO
Energy Star® Certified with Cold Climate Designation			YES	YES	YES
Cooling Temperature Range		°F	-20 - 122	-20 - 122	-20 - 122
Heating Temperature Range		°F	-22 - 86	-22 - 86	-22 - 86
Refrigerant Type			R32		
INDOOR UNIT			SAP09HP230V1R32AH	SAP12HP230V1R32AH	SAP18HP230V1R32AH
Air flow (Min - Max)		CFM	265 - 506	353 - 565	471 - 736
Sound Pressure Level (Min - Max)		dB(A)	23 - 42	27- 43	35 - 49
Dehumidification		pt/hr	1.69	2.96	3.80
External Dimensions (W x H x D)		in	38-3/16 x 13-21/32 x 10-1/8	38-3/16 x 13-21/32 x 10-1/8	43-45/64 x 13-21/32 x 10-1/8
Package Dimension (W x H x D)		in	40-7/16 x 13-11/32 x 16-1/2	40-7/16 x 13-11/32 x 16-1/2	45-55/64 x 13-21/32 x 16-1/2
Net Weight		lbs	33.1	33.1	38.6
Gross Weight		lbs	38.6	38.6	45.2
OUTDOOR UNIT			SAP09HP230V1R32AO	SAP12HP230V1R32AO	SAP18HP230V1R32AO
Compressor Type			GREE G20 / DOUBLE CYLINDER / 1 - STAGE INVERTER		
Sound Pressure Level		dB(A)	56	55	59
External Dimensions (W x H x D)		in	34-3/8 x 21-27/32 x 14-51/64	34-3/8 x 21-27/32 x 14-51/64	37 23/32 x 25 63/64 x 15 53/64
Package Dimension (W x H x D)		in	37-7/16 x 24-13/32 x 16-31/32	37-7/16 x 24-13/32 x 16-31/32	40-5/8 x 29-1/64 x 17-61/64
Net Weight		lbs	78.3	78.3	94.8
Gross Weight		lbs	84.9	84.9	104.7
REFRIGERANT PIPING					
Refrigerant Charge		oz	35.3	35.3	47.6
Additional Charge		oz/ft	0.2	0.2	0.4
Line Set Size (Liquid - Gas) - Flared Connections		in	1/4 - 1/2	1/4 - 1/2	1/4 - 5/8
Pre-Charge Length		ft	25		
Pipe Length (Min - Max)		ft	10 - 131	10 - 131	10 - 131
Max. Pipe Elevation		ft	82	82	82
ELECTRICAL					
Power Supply			208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)		
Voltage Range (Min - Max)		VAC	187 - 253		
Rated Current - Cooling		A	5.9	5.9	12.5
Rated Current - Heating		A	7.6	7.8	16
MCA		A	11	11	20
MOCP		A	15	15	25
Suggested Breaker Size		A	15	15	20
Main Power Wire Size		AWG	Per Local Code		
Interconnecting Wire Size		AWG	14 / 4		
LIMITED WARRANTY			5 Years Parts, 7 Years Compressor - Residential & Commercial		



INTRODUCING A MINI-SPLIT WITH A FRESH AIR KIT OPTION



- OPTIONAL FRESH AIR KIT
- UP TO 30.0 SEER2 / 16.8 EER2 / 11.2 HSPF2 EFFICIENCY
- COOLING RANGE: -20°F - 122°F
- HEATING RANGE: -22°F - 86°F
- MAXIMUM LINE LENGTH: 131 FT.

HIGH PERFORMANCE & EFFICIENCY WITH THE ADDED OPTION OF FRESH AIR INTO YOUR SPACE

ENVO systems can handle those challenging environments that require outside air when you include the optional fresh air kit. With GREE’s superior reliability and performance, the ENVO can tackle most applications.

- Option for Fresh Air kit
- Dehumidification
- Auto-Clean
- Self-diagnosis
- Multiple fan speeds
- Automatic voltage adaptation
- Low voltage start-up
- Swing louver control

SYSTEM TYPE		HEAT PUMP			
Outdoor Model		ENV09HP230V1R32AO	ENV12HP230V1R32AO	ENV18HP230V1R32AO	ENV24HP230V1R32AO
Indoor Model		ENV09HP230V1R32AH	ENV12HP230V1R32AH	ENV18HP230V1R32AH	ENV24HP230V1R32AH
SYSTEM PERFORMANCE					
Cooling Capacity	Min - Max	Btu/h	7,261 - 14,522	8,528 - 17,056	15,073 - 30,146
	Capacity @95°F	Btu/h	9,100	12,000	18,000
Heating Capacity	Min - Max	Btu/h	6,356 - 15,013	7,691 - 15,695	12,970 - 26,470
	Capacity @47°F	Btu/h	10,500	12,000	18,000
	Capacity @17°F	Btu/h	8,800	10,000	14,700
	Capacity @5°F	Btu/h	9,300	11,000	14,600
SEER2			26.0	24.5	24.5
EER2			15.0	13.0	13.65
HSPF2			10.4	9.5	9.0
COP @5°F			1.96	1.95	1.9
Energy Star® South			YES	YES	YES
Energy Star® Certified with Cold Climate Designation			YES	YES	YES
Cooling Temperature Range		°F	-20 - 122	-20 - 122	-20 - 122
Heating Temperature Range		°F	-22 - 86	-22 - 86	-22 - 86
Refrigerant Type			R32		
INDOOR UNIT			ENV09HP230V1R32AH	ENV12HP230V1R32AH	ENV18HP230V1R32AH
Air flow (Min - Max)		CFM	129 - 353	212 - 400	324 - 589
Sound Pressure Level (Min - Max)		dB(A)	20 - 41	20 - 43	29 - 48
Dehumidification		pt/hr	1.69	2.96	3.80
External Dimensions (W x H x D)		in	32 61/64 x 11 17/32 x 7 7/8	32 61/64 x 11 17/32 x 7 7/8	39 3/32 x 12 1/4 x 8 47/64
Package Dimension (W x H x D)		in	35 9/32 x 14 11/16 x 10 45/64	35 18/64 x 14 44/64 x 10 45/64	41 17/32 x 15 5/32 x 11 47/64
Net Weight		lbs	20.9	20.9	29.8
Gross Weight			25.4	25.4	35.3
OUTDOOR UNIT			ENV09HP230V1R32AO	ENV12HP230V1R32AO	ENV18HP230V1R32AO
Compressor Type			GREE G20 / SINGLE CYLINDER / 1 - STAGE INVERTER		
Sound Pressure Level		dB(A)	52	52	59
External Dimensions (W x H x D)		in	31 37/64 x 21 27/32 x 13 25/32	31 37/64 x 21 27/32 x 13 25/32	37 23/32 x 25 63/64 x 15 53/64
Package Dimension (W x H x D)		in	34 21/64 x 24 13/32 x 15 43/64	34 21/64 x 24 13/32 x 15 43/64	40 5/8 x 29 1/64 x 17 61/64
Net Weight		lbs	70.6	70.6	94.8
Gross Weight		lbs	76.1	76.1	104.7
REFRIGERANT PIPING					
Refrigerant Charge - R32		oz	30	28.2	40.6
Additional Charge		oz/ft	0.2	0.2	0.2
Line Set Size (Liquid - Gas) - Flared Connections		in	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2
Pre-Charge Length		ft	25		
Pipe Length (Min - Max)		ft	10 - 66	10 - 66	10 - 131
Max. Pipe Elevation		ft	40	40	82
ELECTRICAL					
Power Supply			208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)		
Voltage Range (Min - Max)		VAC	187 - 253		
Rated Current - Cooling		A	4.73	6.64	11.5
Rated Current - Heating		A	6	6.41	11.5
MCA		A	10	10	16
MOCP		A	15	15	20
Suggested Breaker Size		A	10	10	20
Main Power Wire Size		AWG	Per Local Code		
Interconnecting Wire Size		AWG	14 / 4		
LIMITED WARRANTY			5 Years Parts, 7 Years Compressor - Residential & Commercial		



EFFICIENT AND FLEXIBLE
TO FIT YOUR LIFESTYLE



- UP TO 26.0 SEER2 / 15.0 EER2 / 10.4 HSPF2 EFFICIENCY
- COOLING RANGE: -20°F - 122°F
- HEATING RANGE: -22°F - 86°F
- MAXIMUM LINE LENGTH: 131 FT.

WHEN YOU WANT OPTIONS,
HIGH PERFORMANCE AND EFFICIENCY

VIREO systems provide the utmost flexibility and performance. With a wide range of indoor unit options, the Vireo fits with any decor or situation. The system’s high performance delivers ample heating and cooling for both seasons and operates with utmost efficiency. Finally, the VIREO is whisper-quiet for ultimate comfort.

- Auto Clean
 - Dehumidification
 - I-Feel functionality
 - Self-diagnosis
- Multiple fan speeds
 - Automatic voltage adaptation
 - Low voltage start-up
 - Swing louver control

SYSTEM TYPE		HEAT PUMP			
Outdoor Model		VIR09HP230VIR32AO	VIR12HP230VIR32AO	VIR18HP230VIR32AO	VIR24HP230VIR32AO
Indoor Model		VIR09HP230VIR32AH	VIR12HP230VIR32AH	VIR18HP230VIR32AH	VIR24HP230VIR32AH
SYSTEM PERFORMANCE					
Cooling Capacity	Min - Max	Btu/h	7,261 - 14,522	8,528 - 17,056	15,073 - 30,146
	Capacity @95°F	Btu/h	9,100	12,000	18,000
Heating Capacity	Min - Max	Btu/h	6,356 - 15,013	7,691 - 15,695	12,970 - 26,470
	Capacity @47°F	Btu/h	10,500	12,000	18,000
	Capacity @17°F	Btu/h	8,800	10,000	14,700
	Capacity @5°F	Btu/h	9,500	11,000	14,600
SEER2			26.0	24.5	24.5
EER2			15.0	13.0	13.65
HSPF2			10.4	9.5	9.0
COP @5°F			1.88	1.95	1.9
Energy Star® South			YES	YES	YES
Energy Star® Certified with Cold Climate Designation			YES	YES	NO
Cooling Temperature Range		*F	-20 - 122	-20 - 122	-20 - 122
Heating Temperature Range		*F	-22 - 86	-22 - 86	-22 - 86
Refrigerant Type			R32		
INDOOR UNIT			VIR09HP230VIR32AH	VIR12HP230VIR32AH	VIR18HP230VIR32AH
Air flow (Min - Max)		CFM	194 - 353	230 - 400	324 - 589
Sound Pressure Level (Min - Max)		dB(A)	20 - 41	20 - 43	27 - 48
Dehumidification		pt/hr	1.69	2.96	3.80
External Dimensions (W x H x D)		in	32-31/64 x 11-17/32 x 7-23/32	32-31/64 x 11-17/32 x 7-23/32	38-21/32 x 12-1/4 x 8-45/64
Package Dimension (W x H x D)		in	34-29/64 x 14-3/8 x 10-35/64	34-29/64 x 14-3/8 x 10-35/64	41-7/64 x 15-5/32 x 11-11/16
Net Weight		lbs	20.9	20.9	28.7
Gross Weight		lbs	25.4	25.4	34.2
OUTDOOR UNIT			VIR09HP230VIR32AO	VIR12HP230VIR32AO	VIR18HP230VIR32AO
Compressor Type			GREE G20 / SINGLE CYLINDER / 1 - STAGE INVERTER		
Sound Pressure Level		dB(A)	52	52	59
External Dimensions (W x H x D)		in	31-37/64 x 21-27/32 x 13-25/32	31-37/64 x 21-27/32 x 13-25/32	37-23/32 x 25-63/64 x 15-53/64
Package Dimension (W x H x D)		in	34-21/64 x 24-13/32 x 15-43/64	34-21/64 x 24-13/32 x 15-43/64	40-5/8 x 29-1/64 x 17-61/64
Net Weight		lbs	70.6	67.3	94.8
Gross Weight		lbs	76.1	72.8	104.7
REFRIGERANT PIPING					
Refrigerant Charge - R32		oz	30	28.2	40.6
Additional Charge		oz/ft	0.2	0.2	0.2
Line Set Size (Liquid - Gas) - Flared Connections		in	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2
Pre-Charge Length		ft	25		
Pipe Length (Min - Max)		ft	10 - 66	10 - 66	10 - 131
Max. Pipe Elevation		ft	40	40	82
ELECTRICAL					
Power Supply			208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)		
Voltage Range (Min - Max)		VAC	187 - 253		
Rated Current - Cooling		A	4.73	6.64	11.5
Rated Current - Heating		A	6	6.41	11.5
MCA		A	10	10	16
MOCP		A	15	15	20
Suggested Breaker Size		A	10	10	20
Main Power Wire Size		AWG	Per Local Code		
Interconnecting Wire Size		AWG	14 / 4		
LIMITED WARRANTY			5 Years Parts, 7 Years Compressor - Residential & Commercial		



PERFORMANCE & EFFICIENCY
AT A PRICE YOU CAN AFFORD



- UP TO 20.5 SEER2 / 12.5 EER2 / 8.8 HSPF2 EFFICIENCY
- COOLING RANGE: 0°F - 118°F
- HEATING RANGE: -13°F - 75°F
- MAXIMUM LINE LENGTH: 131 FT.
- 115 VOLT OPTION IN 9K & 12K SYSTEMS.

ALL YOU NEED, AT THE RIGHT PRICE.

LIVO systems deliver great performance and efficiency while also keeping your budget in mind. Like all GREE systems, the variable speed compressor and intelligent design allow for ease-of-use, reliability, and quiet operation.

- Auto Clean
 - Dehumidification
 - I-Feel functionality
 - Self-diagnosis
- Multiple fan speeds
 - Automatic voltage adaptation
 - Low voltage start-up
 - Swing louver control

SYSTEM TYPE		HEAT PUMP							
Outdoor Model		LIV09HP115V1R32AO	LIV12HP115V1R32AO	LIV09HP230V1R32AO	LIV12HP230V1R32AO	LIV18HP230V1R32AO	LIV24HP230V1R32AO	LIV30HP230V1R32AO	LIV36HP230V1R32AO
Indoor Model		LIV09HP115V1R32AH	LIV12HP115V1R32AH	LIV09HP230V1R32AH	LIV12HP230V1R32AH	LIV18HP230V1R32AH	LIV24HP230V1R32AH	LIV30HP230V1R32AH	LIV36HP230V1R32AH
SYSTEM PERFORMANCE									
Cooling Capacity	Min - Max	Btu/h	8,428 - 14,522	8,650 - 14,904	6,695 - 11,536	8,650 - 14,904	9,770 - 22,155	16,416 - 28,286	17,954 - 37,210
	Capacity @95°F	Btu/h	9,100	12,000	9,100	12,000	18,000	24,000	30,000
Heating Capacity	Min - Max	Btu/h	6,916 - 13,300	7,154 - 14,600	6,831 - 13,136	7,154 - 14,600	9,081 - 22,838	13,113 - 25,218	16,491 - 38,303
	Capacity @47°F	Btu/h	10,000	12,000	10,000	12,000	19,100	24,000	30,000
	Capacity @17°F	Btu/h	8,100	9,700	8,100	9,700	15,300	19,200	24,000
	Capacity @5°F	Btu/h	7,600	8,500	7,600	9,100	12,100	15,700	23,000
SEER2			20.5	19.0	20.5	19.0	20.0	19.0	22.0
EER2			11.9	9.3	12.5	9.75	12.35	11.9	10.6
HSPF2			8.8	8.5	8.8	8.5	8.5	8.5	9.0
COP @5°F			1.86	1.75	1.94	1.75	1.75	1.75	1.8
Energy Star® South			NO	NO	NO	NO	NO	NO	NO
Energy Star® Certified with Cold Climate Designation			NO	NO	NO	NO	NO	NO	YES
Cooling Temperature Range		°F	0 - 118	0 - 118	0 - 118	0 - 118	0 - 118	0 - 118	0 - 118
Heating Temperature Range		°F	-13 - 75	-13 - 75	-13 - 75	-13 - 75	-13 - 75	-13 - 75	-13 - 75
Refrigerant Type			R32						
INDOOR UNIT			LIV09HP115V1R32AH	LIV12HP115V1R32AH	LIV09HP230V1R32AH	LIV12HP230V1R32AH	LIV18HP230V1R32AH	LIV24HP230V1R32AH	LIV30HP230V1R32AH
Air flow (Min - Max)		CFM	159 - 353	182 - 424	159 - 353	182 - 424	282 - 618	412 - 677	441 - 794
Sound Pressure Level (Min - Max)		dB(A)	24 - 43	27 - 47	24 - 41	27 - 47	34 - 53	36 - 51	36 - 52
Dehumidification		pt/hr	1.69	2.96	1.69	2.96	3.80	5.28	7.40
External Dimensions (W x H x D)		in	32-7/8 x 10-53/64 x 7-7/8	32-7/8 x 10-53/64 x 7-7/8	32-7/8 x 10-53/64 x 7-7/8	32-7/8 x 10-53/64 x 7-7/8	37-1/8 x 13-7/64 x 9-11/16	42-7/16 x 13-7/64 x 9-11/16	42-7/16 x 13-7/64 x 9-11/16
Package Dimension (W x H x D)		in	35-15/64 x 13-37/64 x 10-43/64	35-15/64 x 13-37/64 x 10-43/64	35-15/64 x 13-37/64 x 10-43/64	35-15/64 x 13-37/64 x 10-43/64	39-13/32 x 15-15/16 x 12-43/64	44-39/64 x 16-19/64 x 13-7/64	44-39/64 x 16-19/64 x 13-7/64
Net Weight		lbs	19.8	19.8	19.8	19.8	28.7	33.1	34.2
Gross Weight		lbs	24.3	24.3	24.3	24.3	34.2	39.7	40.8
OUTDOOR UNIT			LIV09HP115V1R32AO	LIV12HP115V1R32AO	LIV09HP230V1R32AO	LIV12HP230V1R32AO	LIV18HP230V1R32AO	LIV24HP230V1R32AO	LIV30HP230V1R32AO
Compressor Type			GREE G20 / SINGLE CYLINDER / 1 - STAGE INVERTER						
Sound Pressure Level		dB(A)	51	52	51	52	57	58	62
External Dimensions (W x H x D)		in	28-13/16 x 21-7/8 x 12-63/64	28-13/16 x 21-7/8 x 12-63/64	28-13/16 x 21-7/8 x 12-63/64	28-13/16 x 21-7/8 x 12-63/64	31-37/64 x 21-27/32 x 13-25/32	37-23/32 x 25-63/64 x 15-53/64	39-3/8 x 29-3/8 x 15-13/16
Package Dimension (W x H x D)		in	31-17/64 x 24-7/32 x 14-51/64	31-17/64 x 24-7/32 x 14-51/64	31-17/64 x 24-7/32 x 14-51/64	31-17/64 x 24-7/32 x 14-51/64	34-21/64 x 24-13/32 x 15-43/64	40-5/8 x 29-1/64 x 17-61/64	42-33/64 x 31-57/64 x 19-1/64
Net Weight		lbs	55.1	58.4	52.9	56.2	70.6	93.7	116.8
Gross Weight		lbs	60.6	63.9	58.4	61.7	76.1	103.6	127.9
REFRIGERANT PIPING									
Refrigerant Charge - R32		oz	18.7	17.6	18.7	17.6	32.5	42.3	56.4
Additional Charge		oz/ft	0.2	0.2	0.2	0.2	0.2	0.1	0.4
Line Set Size (Liquid - Gas) - Flared Connections		in	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2	1/4 - 5/8
Pre-Charge Length		ft	25						
Pipe Length (Min - Max)		ft	10 - 66	10 - 66	10 - 66	10 - 66	10 - 82	10 - 131	10 - 131
Max. Pipe Elevation		ft	40	40	40	40	33	82	82
ELECTRICAL									
Power Supply			208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)						
Voltage Range (Min - Max)		VAC	103 - 126			187 - 253			
Rated Current - Cooling		A	12.5	14.34	6.5	7.02	9.5	11	20
Rated Current - Heating		A	15.4	14.64	7	7.47	9.5	12	20
MCA		A	19	19	10	12	13	15	25.6
MOCP		A	20	20	15	15	15	20	35
Suggested Breaker Size		A	20	20	10	15	15	15	30
Main Power Wire Size		AWG	Per Local Code						
Interconnecting Wire Size		AWG	14 / 4						
LIMITED WARRANTY			5 Years Parts, 7 Years Compressor - Residential & Commercial						

SINGLE-ZONE MINI-SPLITS

QUICK REFERENCE GUIDE

SINGLE-ZONE SYSTEMS

	Indoor Model No.	Outdoor Model No.	Nominal Capacity (Btu)	SEER2 / EER2	HSPF2 / COP	Cooling Range (°F)	Heating Range (°F)	MCA / MOCP		Line Set (Port) Size	Max line length	Max Lift/ Drop OD to ID units	WIFI
LIVO GEN3													
	LIV09HP115V1R32AH	LIV09HP115V1R32AO	9K	20.5 / 11.9	8.8 / 3.7	0 - 118	-13 - 75	19 / 20	NO	1/4 - 3/8	66'	40'	Built-In
	LIV12HP115V1R32AH	LIV12HP115V1R32AO	12K	19.0 / 9.8	8.5 / 3.5	0 - 118	-13 - 75	19 / 20	NO	1/4 - 3/8	66'	40'	Built-In
	LIV09HP230V1R32AH	LIV09HP230V1R32AO	9K	20.5 / 12.5	8.8 / 3.8	0 - 118	-13 - 75	10 / 15	NO	1/4 - 3/8	66'	40'	Built-In
	LIV12HP230V1R32AH	LIV12HP230V1R32AO	12K	19.0 / 9.8	8.5 / 3.5	0 - 118	-13 - 75	12 / 15	NO	1/4 - 3/8	66'	40'	Built-In
	LIV18HP230V1R32AH	LIV18HP230V1R32AO	18K	20.0 / 12.4	8.5 / 3.9	0 - 118	-13 - 75	13 / 15	NO	1/4 - 1/2	82'	33'	Built-In
	LIV24HP230V1R32AH	LIV24HP230V1R32AO	24K	19.0 / 11.9	8.5 / 3.6	0 - 118	-13 - 75	15 / 20	NO	1/4 - 1/2	131'	82'	Built-In
	LIV30HP230V1R32AH	LIV30HP230V1R32AO	30K	22.0 / 10.9	9.0 / 3.2	0 - 118	-13 - 75	25.6 / 35	NO	1/4 - 5/8	131'	82'	Built-In
	LIV36HP230V1R32AH	LIV36HP230V1R32AO	36K	21.0 / 10.6	8.5 / 3.1	0 - 118	-13 - 75	23 / 35	NO	1/4 - 5/8	131'	82'	Built-In
VIREO GEN3													
	VIR09HP230V1R32AH & BH¹	VIR09HP230V1R32AO	9K	26.0 / 15.0	10.4 / 3.9	-20 - 122	-22 - 86	10 / 15	YES	1/4 - 3/8	66'	40'	Built-In
	VIR12HP230V1R32AH & BH¹	VIR12HP230V1R32AO	12K	24.5 / 13.0	9.5 / 3.8	-20 - 122	-22 - 86	10 / 15	YES	1/4 - 1/2	66'	40'	Built-In
	VIR18HP230V1R32AH & BH¹	VIR18HP230V1R32AO	18K	24.5 / 13.7	9.0 / 3.8	-20 - 122	-22 - 86	16 / 20	YES	1/4 - 1/2	131'	82'	Built-In
	VIR24HP230V1R32AH & BH¹	VIR24HP230V1R32AO	24K	26.0 / 13.7	10.0 / 3.8	-20 - 122	-22 - 86	22 / 30	YES	1/4 - 5/8	131'	82'	Built-In

¹ AH=MATT FINISH AND BH=SMOOTH FINISH

ULTRA SINGLE ZONE PRODUCT FOR EXTREME CONDITIONS & HIGH EFFICIENCY



	Indoor Model No.	Outdoor Model No.	Nominal Capacity (Btu)	SEER2 / EER2	HSPF2 / COP	Cooling Range (°F)	Heating Range (°F)	MCA / MOCP		Line Set (Port) Size	Max line length	Max Lift/ Drop OD to ID units	WIFI
SAPPHIRE													
	SAP09HP230V1R32AH	SAP09HP230V1R32AO	9K	30.0 / 16.8	11.2 / 4.4	-20 - 122	-22 - 86	11 / 15	YES	1/4 - 1/2	131'	82'	Built-In
	SAP12HP230V1R32AH	SAP12HP230V1R32AO	12K	28.0 / 15.2	10.0 / 4.6	-20 - 122	-22 - 86	11 / 15	YES	1/4 - 1/2	131'	82'	Built-In
	SAP18HP230V1R32AH	SAP18HP230V1R32AO	18K	27.5 / 14.3	10.0 / 4.1	-20 - 122	-22 - 86	20 / 25	YES	1/4 - 5/8	131'	82'	Built-In
	SAP24HP230V1R32AH	SAP24HP230V1R32AO	24K	27.0 / 13.95	10.0 / 3.9	-20 - 122	-22 - 86	25 / 40	YES	1/4 - 5/8	131'	82'	Built-In

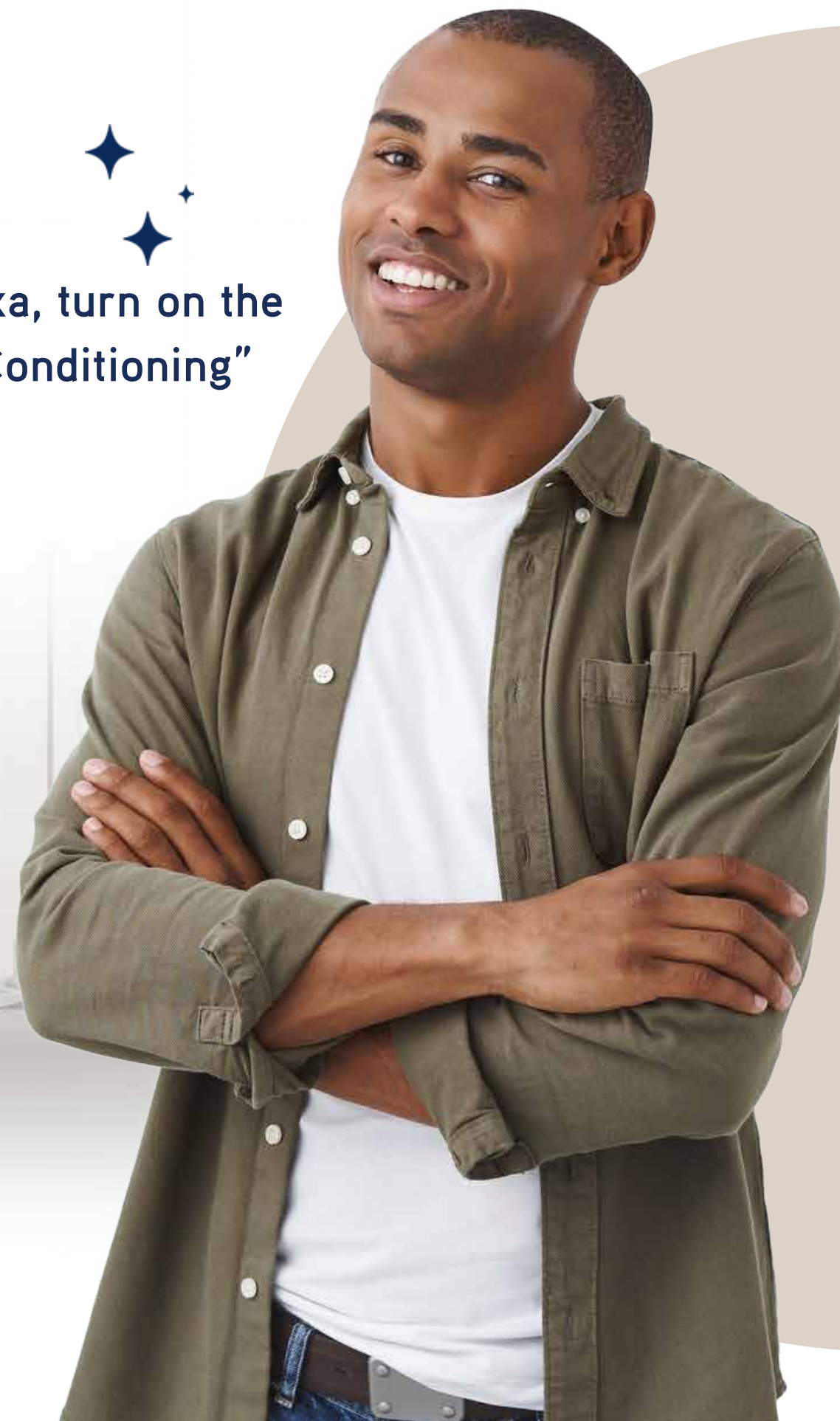




GET SMART WITH GREE

- ✔ Convenience and Comfort
- ✔ Voice Control
- ✔ Smart Home Integration

“Alexa, turn on the
Air Conditioning”



CONTROLS & ACCESSORIES

QUICK REFERENCE GUIDE

WIRED CONTROLLERS

CONTROLLER	COMPATIBLE WITH	MODEL NUMBER	PART NUMBER	KEYPAD FEATURES & FUNCTIONS										
				ENTER / CANCEL	FUNCTION	FAN	TIMER	MODE (+/-)	POWER (ON/OFF)	SWING	MENU/OK	IR RECIEVER	WIFI	
	SINGLE & MULTI-ZONE LIVO VIREO ENVO SAPPHIRE 360° CASSETTE ONE WAY CASSETTE FLOOR / CEILING SLIM DUCT MINI CONSOLE (R32)	XE71	MC20700970	✓	✓	✓	✓	✓	✓	✓		✓		
	SINGLE & MULTI-ZONE WIFI CONTROLLER LIVO VIREO ENVO SAPPHIRE 360° CASSETTE ONE WAY CASSETTE FLOOR / CEILING SLIM DUCT MINI CONSOLE (R32) (For use with both A and B series models and R32 models)	XE72	MC20701210	✓	✓	✓	✓	✓	✓	✓		✓	✓	
	SINGLE & MULTI-ZONE LIVO VIREO SAPPHIRE CEILING CASSETTE UNIVERSAL FLOOR / CEILING SLIM DUCT	XK76	MC20700360	✓	✓	✓		✓	✓	✓	✓	✓		
	U-MATCH & U-MATCH+ CEILING CASSETTE UNIVERSAL FLOOR / CEILING SLIM DUCT	XK60	MC20700550	✓	✓	✓	✓	✓	✓			✓		
	MULTI-ZONE CEILING CASSETTE UNIVERSAL FLOOR / CEILING SLIM DUCT	XK19	MC20700140	✓	✓	✓		✓	✓	✓		✓		

REMOTE CONTROLLERS

CONTROLLER	COMPATIBLE WITH	MODEL NUMBER	PART NUMBER	KEYPAD FEATURES & FUNCTIONS													
				POWER (ON/OFF)	MODE (+/-)	CLOCK	I-FEEL	WIFI	TIMER (ON/OFF)	FAN	TURBO	X-FAN	LIGHT	TEMP	QUIET	SLEEP	FRESH AIR
	SINGLE-ZONE LIVO SERIES VIREO SERIES UNIVERSAL FLOOR / CEILING CASSETTE SLIM DUCT SERIES MINI FLOOR CONSOLE	YAP1FB2F	305001000121	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓	
	SINGLE-ZONE SAPPHIRE	YAG1FB2	30510138	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓	
	SINGLE-ZONE LIVO LIVO+ LIVO GEN3 VIREO VIREO+ VIREO+ ULTRA	YAN1F1F	30510475	✓	✓		✓	✓	✓	✓	✓					✓	
		YAN1F10F	305001060022	✓	✓	✓	✓	✓	✓	✓	✓					✓	
		YAN1F6F	305001000085	✓	✓	✓	✓	✓	✓	✓	✓					✓	
	MULTI-ZONE CEILING CASSETTE UNIVERSAL FLOOR / CEILING SLIM DUCT SERIES	YT1F	305100491	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓
	U-MATCH & U-MATCH+ CEILING CASSETTE UNIVERSAL FLOOR / CEILING SLIM DUCT SERIES	YB1FA	30510516	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	

REMOTE CONTROLLERS R32

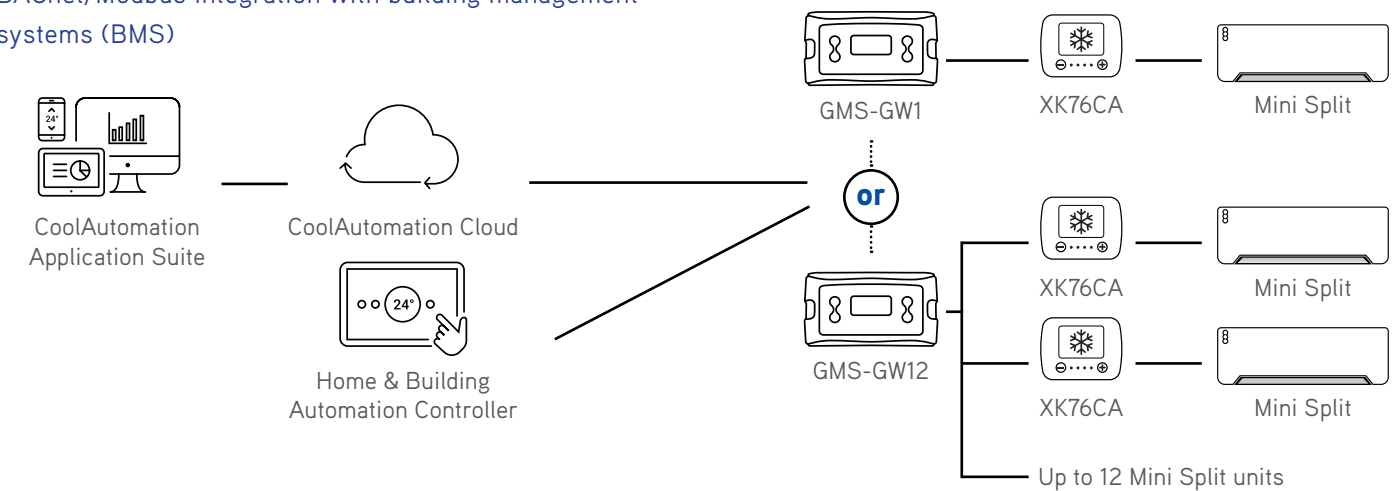
	SINGLE-ZONE LIVO VIREO	YBE1FB1F	305001060236	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	SINGLE-ZONE ENVO	YBE1FBF	305001060204	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓
	SINGLE-ZONE SAPPHIRE	YBE1FB9F	305001060233	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	ALL-MATCH & MULTI-ZONE 360° CASSETTE ONE WAY CASSETTE FLOOR / CEILING SLIM DUCT MINI CONSOLE	YBE1FB5F	305001060180	✓		✓	✓	✓		✓		✓	✓	✓	✓	✓	✓
	ALL-MATCH FLOOR STANDING	YB1FA	30510516	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	

HOME & BUILDING AUTOMATION SYSTEM



MONITOR & MANAGE MINI SPLIT SYSTEMS

- XK76CA is required for each mini split indoor unit to communicate with the cool automation interface
- Real-time control & monitoring of mini split system operation and status
- BACnet/Modbus integration with building management systems (BMS)
- Intuitive and simple device configurations through backlit LCD display
- Monitor system technical data for advanced monitoring
- Small size & magnetic mounting for portable installation

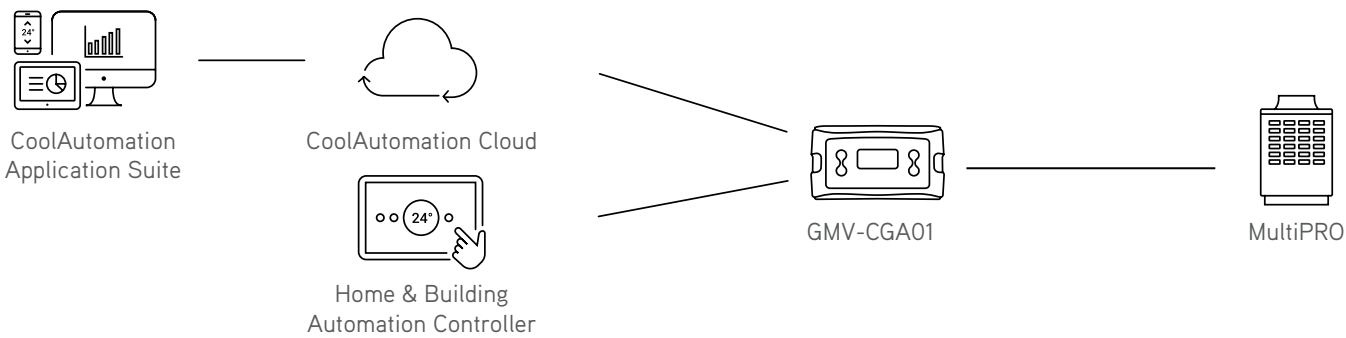


SPECIFICATIONS			
Model		 GMS-GW1	 GMS-GW12
Power supply	Min load	5VDC/60mA (via mini USB); 12VDC/35mA; 24VDC/20mA	5VDC/60mA (via mini USB); 12VDC/35mA; 24VDC/20mA
	Max load	5VDC/100mA (via mini USB); 12VDC/70mA; 24VDC/40mA	5VDC/100mA (via mini USB); 12VDC/70mA; 24VDC/40mA
Mounting		Magnet	
Operating conditions	Ambient temperature	14°F ~ 140°F	14°F ~ 140°F
	Humidity	0% ~ 96% non-condensing	0% ~ 96% non-condensing
Storage conditions	Ambient temperature	-4°F ~ 158°F	-4°F ~ 158°F
	Humidity	0 % ~ 98 % non-condensing	% ~ 98 % non-condensing
Dimensions	H x W x D	2.56 x 4.50 x 1.22 (inch)	2.56 x 4.50 x 1.22 (inch)
LCD	Size / Color	2 x 8 / grey	2 x 8 / grey
Communication functions	Direct HVAC connection	Connection to the Gree Mini Split units over RS485 interface	Connection to the Gree Mini Split units over RS485 interface
	Ethernet	100 Mbps	100 Mbps
	MODBUS RTU	RS-485 communication line	RS-485 communication line
	BACnet MSTP	RS-485 communication line	RS-485 communication line
	USB Host	12 Mbps	12 Mbps
Maximal allowable wiring length (to router) over Ethernet (ft)		450	450
Maximum RS485 wiring length (ft)		3280 (2 Conductor 20-22 Awg Shielded Twisted Pair Cable)	3280 (2 Conductor 20-22 Awg Shielded Twisted Pair Cable)
Maximal allowable wiring length (to BMS) over RS485 (ft)		3300	3300
Control & Monitoring		Setpoint, On/Off, Fan Speed, Operation Mode, Louver Position, Error codes, Room temperature, setpoint range, Lock/unlock (specific models) Local Controller functions	Setpoint, On/Off, Fan Speed, Operation Mode, Louver Position, Error codes, Room temperature, setpoint range, Lock/unlock (specific models) Local Controller functions
Maximum connected Units		1	12
Advanced technical monitoring (model dependent)		Outdoor Temperature, Evaporation Temperature, compressor status, defrost, more	Outdoor Temperature, Evaporation Temperature, compressor status, defrost, more



MONITOR & MANAGE MULTIPRO SYSTEMS

- Real-time control & monitoring of MultiPRO system operation and status
- BACnet/Modbus integration with building management systems (BMS)
- Intuitive and simple device configurations through backlit LCD display
- Monitor system technical data for advanced monitoring
- Small size and magnetic mounting for portable installation



SPECIFICATIONS		
Model		 GMV-CGA01
Power supply	Min load	5VDC/60mA (via mini USB); 12VDC/35mA; 24VDC/20mA
	Max load	5VDC/100mA (via mini USB); 12VDC/70mA; 24VDC/40mA
Mounting		Magnet
Operating conditions	Ambient temperature	14°F ~ 140°F
	Humidity	0% ~ 96% non-condensing
Storage conditions	Ambient temperature	-4°F ~ 158°F
	Humidity	0 % ~ 98 % non-condensing
Dimensions	H x W x D	2.56 x 4.50 x 1.22 (inch)
LCD	Size / Color	2 x 8 / grey
Communication functions	Direct HVAC connection	Connection to MultiPRO interface
	Ethernet	RJ-45, 100 Mbps
	MODBUS RTU	-
	BACnet MSTP	-
	USB Host	-
Maximal allowable wiring length (to router) over Ethernet (ft)		450
Maximum RS485 wiring length (ft)		-
Maximal allowable wiring length (to BMS) over RS485 (ft)		-
Control & Monitoring		-
Maximum connected Units		-
Advanced technical monitoring (model dependent)		-



HIGH EFFICIENCY & PERFORMANCE IN A SINGLE COMPACT UNIT.



WHERE EFFICIENCY & ULTRA PERFORMANCE FIT INTO A SINGLE PACKAGE

The X-PAC utilizes Gree’s inverter-driven, ultra heat compressor technology to deliver optimal comfort and energy savings across a wide range of outdoor temperatures. The X-PAC features a small footprint, 24 VAC and RS485 controls, horizontal or downflow configuration, and multiple airflow settings to handle a wide range of residential and light commercial applications.

- UP TO 17.8 SEER2 / 8.8 HSPF2 EFFICIENCY
- COOLING RANGE: 23°F - 125°F
- HEATING RANGE: -22°F - 75°F
- 100% HEATING CAPACITY AT 15°F

- Sound levels down to 65 dB(A)
- Conventional, 24 VAC thermostat control
- R410A refrigerant
- Intelligent Defrost Technology
- External Static Pressure can be up to 0.8 In W.c. with electric heater, 1.0 In W.c. without electric heater
- Golden Fin Equipment - 1500 Hrs
- Salt Spray tested

SYSTEM TYPE		PACKAGED HEAT PUMP			
Model		GK-H02TC/NaA-T(U)	GK-H03TC/NaA-T(U)	GK-H04TC/NaA-T(U)	GK-H05TC/NaA-T(U)
SYSTEM PERFORMANCE					
Cooling Capacity @95°F	Btu/h	24000	34400	47000	56000
Heating Capacity @47°F	Btu/h	24000	36000	47000	57000
Heating Capacity @17°F	Btu/h	23400	23400	36000	37000
Heating Capacity @5°F	Btu/h	24000	26000	46000	45000
SEER2		17.8	17.8	17.8	17
EER2		11	11	11	10.6
HSPF2		8.8	8.8	8.5	8.3
COP @5°F		1.8	1.8	1.8	1.8
COP @47°F		3.2	3.2	3.2	3.2
UNIT DATA		GK-H02TC/NaA-T(U)	GK-H03TC/NaA-T(U)	GK-H04TC/NaA-T(U)	GK-H05TC/NaA-T(U)
Cooling Temperature Range	°F	23 - 125			
Heating Temperature Range	°F	-22 - 75			
Refrigerant Type		R410A			
Compressor Type		Inverter Rotary			
Sound Pressure Level	dB(A)	65	65	68	68
External Static Pressure (Min - Max)	In W.c.	0 - 0.8	0 - 0.8	0 - 0.8	0 - 0.8
Drain Connection Size	in	3/4	3/4	3/4	3/4
External Dimensions (W x H x D)	in	44 x 49-1/4 x 35-7/16	44 x 49-1/4 x 35-7/16	44 x 49-1/4 x 44	44 x 49-1/4 x 44
Package Dimension (W x H x D)	in	44-5/8 x 50-13/16 x 35-15/16	44-5/8 x 50-13/16 x 35-15/16	44-5/8 x 50-13/16 x 44-5/8	44-5/8 x 50-13/16 x 44-5/8
Net Weight	lbs	538	538	628	628
Gross Weight	lbs	560	560	650	650
ELECTRICAL					
Power Supply		208-230V / 1Ph / 60Hz			
MCA	A	35	35	39.1	39.1
MOCP	A	40	40	45	45
Control Voltage	VAC	24			
Main Power Wire Size	AWG	Per Local Code			
Interconnecting Wire Size	AWG	18/2 Stranded. Shielding Recommended.			
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial			



A CONCEALED, MINI-VRF
SYSTEM THAT IS **QUIETER,**
MORE EFFICIENT THAN
CONVENTIONAL PTACS



THE MTAC.

Deliver optimal comfort to your apartment, hotel, office or other area with this advanced PTAC system. Using the latest VRF inverter technology and flexible design, the MTAC heats & cools efficiently and quietly while offering numerous indoor unit options. Great replacement option for PTAC/ETAC units.

- COOLING RANGE: 23° - 118° F
- HEATING RANGE: 4° - 80° F
- SEER2: 15 | EER2: 8 | HSPF2: 8
- LONG CONNECTION PIPE LENGTH & HEIGHT DIFFERENCE
- SIMPLE INTEGRATION TO BUILDING AUTOMATION CONTROLS

1:1 options



2:1 options



GMV MTAC		GMV-12WP/A-T(U)	
System Type		HEAT PUMP	
Maximum Number of Zones		2	
SYSTEM PERFORMANCE		Non-Ducted Indoor Units	
Cooling	Capacity @95°F	Btu/h	12000
	Capacity @5°F	Btu/h	6000
Heating	Capacity @17°F	Btu/h	7000
	Capacity @47°F	Btu/h	12000
SEER2		15	
EER2		8	
HSPF2		8	
COP @5°F		2	
COP @47°F		3.2	
SYSTEM PERFORMANCE		Ducted Indoor Units	
Cooling	Capacity @95°F	Btu/h	12000
	Capacity @5°F	Btu/h	5900
Heating	Capacity @17°F	Btu/h	7000
	Capacity @47°F	Btu/h	12000
SEER2		14.5	
EER2		8	
HSPF2		8	
COP @5°F		1.9	
COP @47°F		3.2	
OUTDOOR UNIT DATA		GMV-12WP/A-T(U)	
Cooling Temperature Range		°F	23 - 118
Heating Temperature Range		°F	-4 - 81
Refrigerant Type		R410A	
Compressor Type		Inverter Rotary	
Sound Pressure Level		dB(A)	53
External Dimensions (W x H x D)		in	42-1/16 x 16 x 19-11/16
Package Dimension (W x H x D)		in	45-13/16 x 18-8/16 x 23-11/16
Net Weight		lbs	121
Gross Weight		lbs	139
REFRIGERANT PIPING			
Refrigerant Charge - R410A		oz	28.2
Additional Charge		oz/ft	0.2
Port Size (Liquid - Gas)		in	1/4 - 3/8
Max. Length from ODU to IDU (Equivalent)		ft	100-1/8
Max. Length from First Branch to IDU		ft	49-1/4
Max. Height Difference ODU to IDU (High/Low)		ft	49-1/4 / 49-1/4
Max. Height Difference IDU to IDU		ft	33
ELECTRICAL			
Power Supply		208-230V / 1Ph / 60Hz	
MCA		A	13.5
MOCP		A	15
Main Power Wire Size		AWG	Per Local Code
Interconnecting Wire Size		AWG	18/2 Stranded. Shielding Recommended.



Select Dealer Program

Partner with success...

PROGRAM REQUIREMENTS

- ✓ Meet all local & state contractor licensing requirements.
- ✓ Complete 4 training courses on GREE University in first year of sign up. For more information: greemarketing@twclimate.com
- ✓ Perform an additional 4 hours of certified training per year (in person or online).
- ✓ Provide updated contact information to receive qualified leads through our Dealer Locator.
- ✓ Be courteous, responsive and professional to all potential and existing GREE customers.



Contact us:
greeselect@twclimate.com

*Multiple classes available at GREE University. Visit greecomfort.com/gree-university for details.



ADVANTAGES START HERE...

- Partner with one of the **fastest-growing brands** in heating and cooling, offering both **ducted and duct-free** solutions with **exceptional performance and value**.
- **Build points with every sale and redeem them for digital gift cards** so you can enjoy even more rewards for your hard work.
- Only Select Dealers can offer their customers peace of mind with our **10-year Parts and Compressor replacement warranty**.
- Stay ahead of the competition with **exclusive training and promotional opportunities**.
- Get **qualified leads** through our powerful **Dealer Locator tool**. Stand out with special badge and get qualified leads.
- **Upon registering your first warranty**, you will receive a fully loaded **GREE Starter Kit**. This kit includes **GREE branded items and literature**, so you can enhance your presence and showcase your expertise.

SELECT DEALER WARRANTY PROGRAM*

- 10-year Parts replacement, shipped same day
- 10-year Compressor replacement, shipped same day

* Product sales must be registered within 60 days of installation to qualify. Only applies to residential applications, with certain restrictions. Visit greecomfort.com/warranty for details.

10 year Parts & Compressor warranty is only offered when registering a complete new system except for FLEXX outdoor units can be registered as outdoor unit only.

VISIT [GREECOMFORT.COM/GREESELECT](https://greecomfort.com/greeselect) FOR DETAILS

WHEN YOU BUY A GREE...

WARRANTY



GREE SELECT DEALER WARRANTY

- **10 Years on all Parts** and **10 Years on the Compressor** to the original registered end user/homeowner when installed for residential use.
- Unit must be purchased and installed by a certified GREE Select Dealer.
- The installation must be registered on greecomfort.com/register within 60 days of installation.



STANDARD WARRANTY

- **5 Years on all Parts** and **7 Years on the Compressor** to the original registered end user/homeowner when installed for residential use. Registration of installation is strongly recommended.



COMMERCIAL WARRANTY

- **5 Year on all Parts** and **7 Years on the Compressor** when installed in commercial applications.



CONTROLS WARRANTY

- **1 Year** on GREE branded controls from purchase date.

Visit greecomfort.com/warranty for more details.

CERTIFICATIONS

GREE systems are among the most environmentally-friendly and energy efficient in the market today.



DISCLAIMERS

- Always use a licensed contractor to install this product to avoid potential hazards such as electrical shock, refrigerant leakage, fire or explosion.
- Only use GREE-sourced parts and accessories with a GREE system.
- Review all safety, installation and operating instructions prior to installing your GREE system for optimal performance.
- GREE reserves the right to modify product design, specifications and informational data in this catalog without notice or obligation.
- The data and information provided here are general in nature and may vary due to your actual installation conditions. Please refer to submittals and product installation documents for more detailed information.

BEFORE YOU INSTALL A GREE MINI-SPLIT



INSTALL SUPPORT
www.greecomfort.com/videos
www.greecomfort.com/before-you-install
SCAN FOR QUICK TIP VIDEOS

TOOLS REQUIRED

- Flaring tool
- Clamp-on amp meter
- Wrenches (std / adj / torque)
- Vacuum pump
- Refrigerant scale
- Micron gauge
- Manifold & gauges
- Drill & drill bits
- Hole saw
- Pipe cutter
- Hex keys (allen wrenches)
- Level
- Screwdrivers (flat & Phillips head)
- Safety goggles & gloves
- A2L compatible, left-hand thread adapter & charge hose



In Cold Weather, Compressor must warm up before system start-up.

First connect power to Outdoor Unit for time period below.

Above 50°F = 1 Hour
32°F - 50°F = 2 Hour
14°F - 32°F = 4 Hour
Below 14°F = 8 Hour

As reference, use the coldest temperature in the last 24 hours.

BEST PRACTICES

UNIT PLACEMENT

- Follow clearance guidelines on indoor & outdoor units for proper airflow & servicing
- Include space for drainage so condensate flows out of unit
- Anchor both units properly to prevent vibration or malfunction
- Be sure condensate drain tubing is pitched downward for proper drainage

PIPING

- Use only correct line set size as determined by indoor unit
- Use only copper refrigerant piping
- Insulate both refrigerant lines from each other
- Use a pipe length that does not exceed the maximum or go below the minimum length
- Do not make vertical loops in the **piping & support runs from sagging or bending**
- Always use torque and backup wrenches to tighten flares to the proper torque.

Pipe Diameter	Nut Size	Tightening Torque
1/4"	1/4"	10 to 13
3/8"	3/8"	25 to 30
1/2"	1/2"	36 to 45
5/8"	5/8"	50 to 60

WARRANTY

ONLY VALID IF SYSTEM IS INSTALLED BY A LICENSED HVAC CONTRACTOR.
Installation must comply with applicable local & national codes.

WIRING

- For wiring from IDU to ODU, use only 14/4 stranded 600V rated wire
Never use wire nuts or splices
- Use non-insulated spade connectors on all terminal connections
- Use only a dedicated electrical circuit
- Always GROUND indoor & outdoor unit
- Line monitors or surge protectors that protect systems designed for 187 - 253 volts AC are highly recommended

CHARGING

Always use A2L compatible tooling with R-32 refrigerants

- Test refrigerant lines for leaks by pressurizing with nitrogen to 500 P.S.I.
- While under pressure, use a leak detection solution to test for leaks at all flare connections. Failure to do so could result in the A2L sensor alarming at indoor unit
- Use only approved evacuation hose & vacuum pump oil for proper evacuation and leak testing: **Evacuate to less than 500 microns and hold for 30 minutes**
- If refrigerant is added, use electronic scale and weigh in precise amount
- Open service valves prior to energizing unit



Compatibility
Tool



System
Builder App



Parts
Lookup



Become a GREE
Select Dealer



G R E E C O M F O R T . C O M

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