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Heating  
& Cooling

Maximum  
Performance

Utmost  
Efficiency



# HEATING & COOLING

## COMFORT & 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?

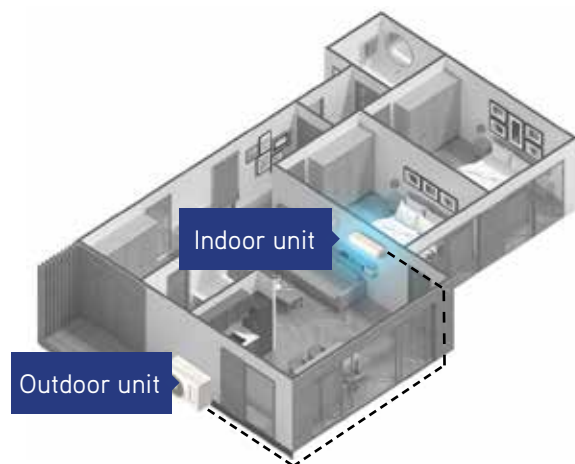


Mini-Split systems operate via an outdoor compressor unit connected to 1 or more inside air handlers with utmost efficiency and climate control in heating and cooling modes.

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

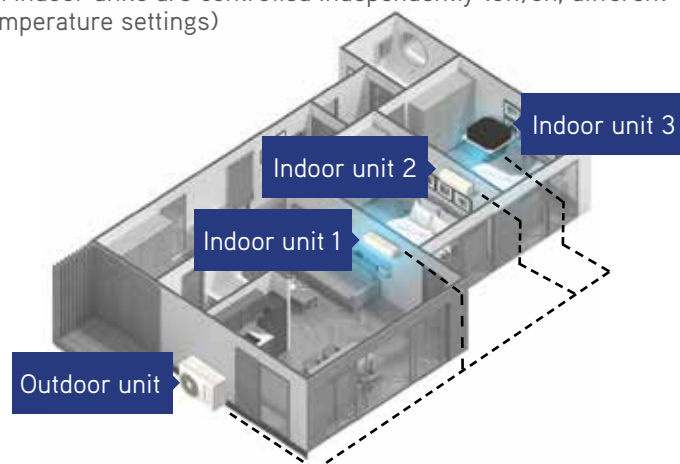
## SINGLE ZONE SYSTEMS

- 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 unit
- All indoor units are controlled independently (off/on, different temperature settings)



# WHAT ARE HEAT PUMPS?

Heat pump AC Systems are energy-efficient climate control systems that can both cool & heat your home using a single unit.

- **In cooling mode:** It functions like a traditional air conditioner, pulling heat from inside your home and transferring it outside.
- **In heating mode:** It reverses the process, extracting heat from the outside air (even in cold weather) and bringing it indoors.

FASTER HEATING/COOLING

PRECISE CONTROL

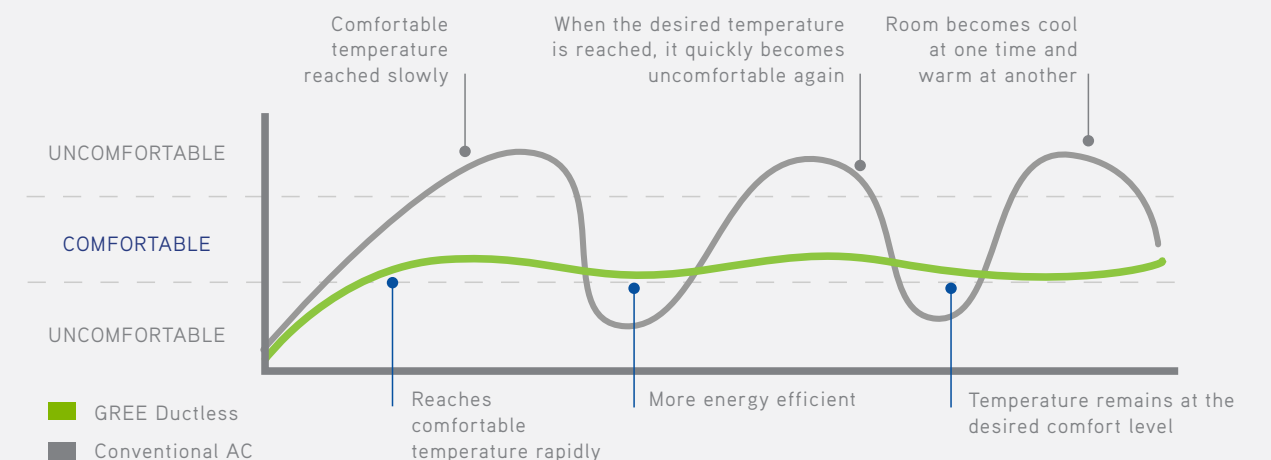
ENERGY SAVINGS

ECO-FRIENDLY REFRIGERANT

## ENJOY THE HEAT PUMP ADVANTAGE

- Acts as both an air conditioner and a heater for your room comfort
- 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
- 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

## INVERTER TECHNOLOGY DELIVERS OPTIMAL, STEADY COMFORT



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



## 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.



**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 perform 4-stage process to remove unwanted particles from coil: condenses, frosts, sterilizes and defrosts

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



## 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 scan 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.

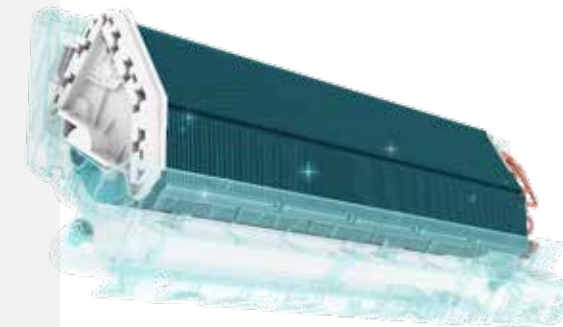
**SELF-DRAINING BASE PAN**  
Condensate water drains freely to help prevent freezing in base pan.

**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.

# 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
- ✔ Save on cost of purchase through available energy rebates & tax credits

## 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](http://greecomfort.com/rebates) and give customers another reason to choose GREE.

## INTELLIGENT DESIGN FACTORS

**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.

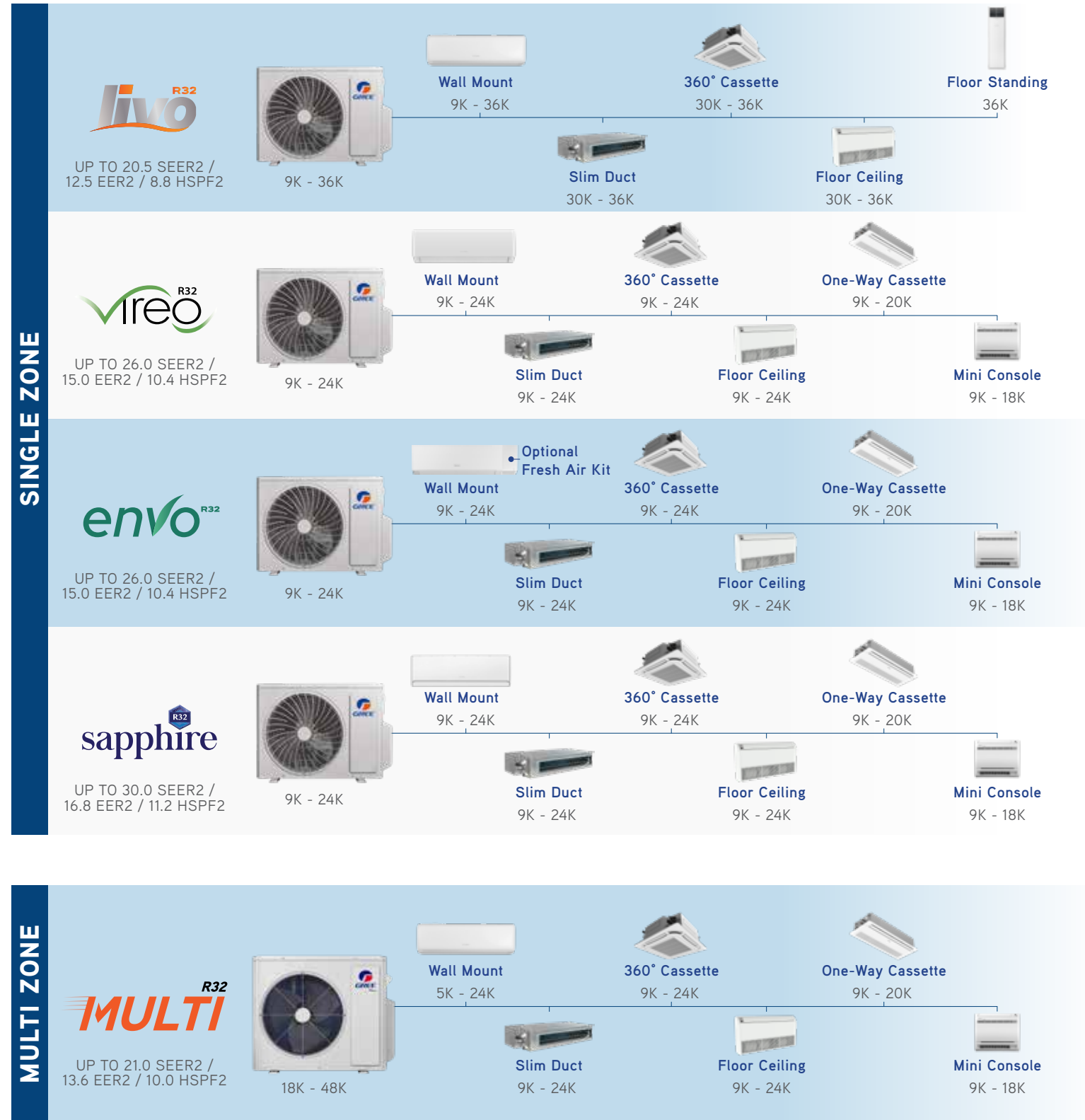
**DUAL SIDE INSTALLATION**  
Choose left or right piping outlet for easier installation.

**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.

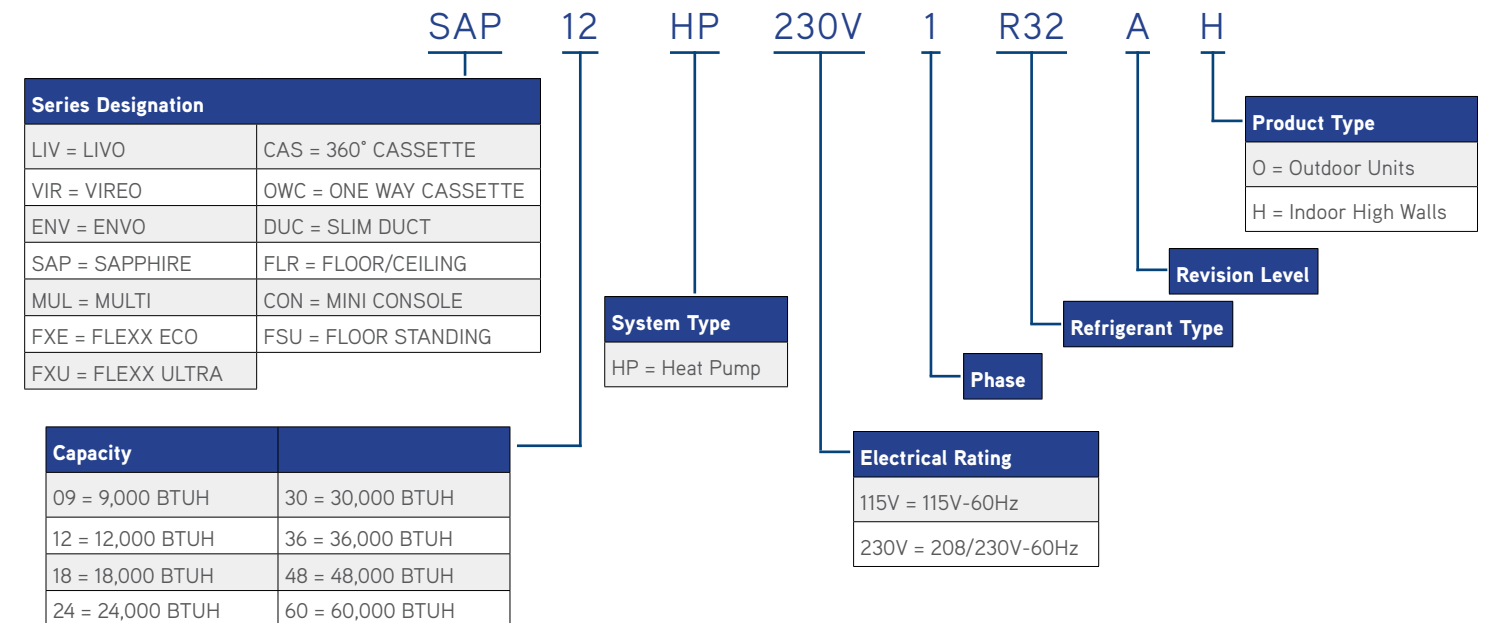
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# GREE PRODUCT LINE UP



## 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 21 SEER2
- ✔ Qualifies for most energy rebates & federal tax credits
- ✔ The best heat pump heating performance on the market with heating capacity down to -22°F



WALL MOUNT

65°

OFF

CEILING CASSETTE

70°

SLIM DUCT

AIR HANDLER

73°

OUTDOOR UNIT



# 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
<b>SYSTEM PERFORMANCE - Non-Ducted Indoor Units</b>									
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			
<b>SYSTEM PERFORMANCE - Ducted Indoor Units</b>									
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			
<b>SYSTEM PERFORMANCE (Mixed Ducted and Non-Ducted Indoor Units)</b>									
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			
<b>OUTDOOR UNIT DATA</b>									
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
Compressor 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
<b>REFRIGERANT PIPING</b>									
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.	
<b>LIMITED WARRANTY</b>		<b>5 Years Parts 7 Years Compressor Residential &amp; Commercial</b>								

## 9 INDOOR OPTIONS TO CHOOSE

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



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)
<b>SYSTEM PERFORMANCE (Non-Ducted Indoor Units)</b>						
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				
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor – Residential &amp; Commercial</b>				

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)
<b>SYSTEM PERFORMANCE (Non-Ducted Indoor Units)</b>					
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			
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor – Residential &amp; Commercial</b>			



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 3/8 x 24 3/8 x 46 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			
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor – Residential &amp; Commercial</b>			

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			
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor – Residential &amp; Commercial</b>			

ELECTRIC HEATER KITS		
Heater Model Numbers	Description	Air Handler Combination
FLEXHTR5KW	5 kW	GMV-ND09A/B-T(U) GMV-ND12A/B-T(U) GMV-ND18A/B-T(U)
FLEXHTR5KW	5 kW	GMV-ND24A/B-T(U) GMV-ND30A/B-T(U) GMV-ND36A/B-T(U)
FLEXHTR8KW	8 kW	
FLEXHTR10KW	10 kW	
FLEXHTR5KW	5 kW	
FLEXHTR8KW	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)
FLEXHTR10KW	10 kW	
FLEXHTR15KW	15 kW	
FLEXHTR20KW	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.

## SLIM DUCT

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					
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor – Residential &amp; Commercial</b>				

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					
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor – Residential &amp; Commercial</b>				



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					
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor – Residential &amp; Commercial</b>				

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 for increased comfort.

### 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				
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor – Residential &amp; Commercial</b>				

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				
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor – Residential &amp; Commercial</b>				

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		
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor – Residential &amp; Commercial</b>		

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				
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor – Residential &amp; Commercial</b>				

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



The floor ceiling 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				
<b>LIMITED WARRANTY</b>	<b>5 Years Parts, 7 Years Compressor – Residential &amp; Commercial</b>				



Installed low on a wall, the console unit 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				
<b>LIMITED WARRANTY</b>	<b>5 Years Parts, 7 Years Compressor – Residential &amp; Commercial</b>				

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				
<b>LIMITED WARRANTY</b>	<b>5 Years Parts, 7 Years Compressor – Residential &amp; Commercial</b>				



## FRESH AIR FAN COILS

INDOOR UNIT MODEL	OUTDOOR UNIT MODEL
GMV-NDX42P/A-T(U)	<p>Total capacity of connected fresh air fan-coils and indoor units must be within 50% - 100% of the capacity of the outdoor unit.</p> <p>Total capacity of connected fresh air fan-coils cannot exceed 30% of the capacity of the outdoor unit.</p>
GMV-NDX48P/A-T(U)	
GMV-NDX54P/A-T(U)	
GMV-NDX72P/A-T(U)	
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
YAPIF		INCLUDED	HIGH WALL CEILING CASSETTES FLOOR CEILING CONSOLE	<b>Wireless Remote Controller</b> <ul style="list-style-type: none"> <li>• Included with all ductless units including High Wall, Ceiling Cassettes, Floor Ceiling, and Consoles</li> <li>• Includes all operation features such as mode selection, fan speeds, setpoint control, timers, sleep, and more</li> </ul>
XK79		NONE	ALL INDOOR UNIT TYPES	<b>Gate Control Wired Controller (With Remote On/Off) (Non-programmable)</b> <ul style="list-style-type: none"> <li>• Includes all operation features such as mode selection, fan speeds, setpoint control, timers, sleep, and more</li> <li>• Enables access to user and engineering parameters and can display all troubleshooting data</li> <li>• Remote operation interface built in. Connect to door switches, motion sensors, and more</li> </ul>
XE70-33/H		MULTI-POSITION AIR HANDLER	ALL INDOOR UNIT TYPES	<b>7-Day Programmable Wired Controller with Gate Control (Remote On/Off)</b> <ul style="list-style-type: none"> <li>• Included with Multi-Position Air Handler</li> <li>• Capacitive touchscreen ensures long life</li> <li>• 7-Day programmable. Set up to 4 weekly schedules and enable or disable specific days within a schedule</li> <li>• Remote operation interface built in. Connect to door switches, motion sensors, and more</li> <li>• Enables access to user and engineering parameters and can display all troubleshooting data including indoor and outdoor data</li> <li>• Includes all operation features such as mode selection, fan speeds, setpoint control, timers, sleep, and more</li> </ul>
CE52-24/F(C)		NONE	ALL INDOOR UNIT TYPES	<b>E-Smart Zone Central Controller</b> <ul style="list-style-type: none"> <li>• Allows central control of up to 16 systems and 32 indoor units</li> <li>• 7-Day programmable. Set up to 4 weekly schedules and enable or disable specific days within a schedule</li> <li>• Operate and schedule individual units or set multiple groups of units to be controlled at the same time</li> <li>• Customizable names and icons for each zone</li> <li>• Easy-to-read color touchscreen (3-3/8"H x 5"W). Only 7/16" thick when flush-mounted</li> <li>• Includes galvanized mounting box with grommets for non-flush-mount installation (1-1/2" thick)</li> <li>• Independent power supply (100-240V)</li> </ul>
ME32-33/H		NONE	ALL INDOOR UNIT TYPES	<b>Universal 24V Adapter with Dry Contact Interface</b> <ul style="list-style-type: none"> <li>• Enables use of your favorite third-party 24VAC thermostat or control system</li> <li>• Up to three fan speeds (G1, G2, G3)</li> <li>• Four sets of dry contacts are available for broad control including remote on/off, emergency shut down, and more</li> <li>• 24V transformer is required unless installed with a Multi-Position Air Handler</li> </ul>

## Y-BRANCHES & HEADERS

FQ01AA		<ul style="list-style-type: none"> <li>• Y Branch for GMV5 capacity &lt;68,000</li> </ul>
FQ01BA		<ul style="list-style-type: none"> <li>• Y Branch for GMV5 capacity &gt;68,000 - 102,000</li> </ul>
FQ14/H1		<ul style="list-style-type: none"> <li>• T-Type 4 port Manifold &lt;134,000</li> </ul>
FQ18/H1		<ul style="list-style-type: none"> <li>• T-Type 8 port Manifold &lt;272,000</li> </ul>

# GREE MINI-SPLITS

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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.

- 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.

- 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						
Compressor 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	
Compressor 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	
	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	
	Port C (in)		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	
	Port E (in)				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	AWG	Per Local Code						
Interconnecting Wire Size	AWG	14 / 4						
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor - Residential & Commercial						

# INDOOR UNIT OPTIONS FOR SINGLE & MULTI-ZONE SYSTEMS

## WALL MOUNTS

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



- 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.



- 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.



- 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.



- 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.

## 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
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor - Residential &amp; Commercial</b>							

## 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
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor - Residential &amp; Commercial</b>			

## 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
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor - Residential &amp; Commercial</b>			

## 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
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor - Residential &amp; Commercial</b>			

# 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.

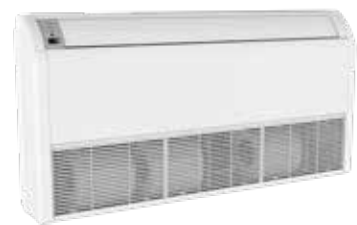
## SLIM DUCT



- 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.

## FLOOR CEILING



- Multiple fan speeds
- Swing louver control
- Multi-directional air flow
- Automatic voltage adaption
- Floor standing or ceiling mount
- Refrigerant sensor
- Remote & wired controller options
- Anti-corrosion fins

With its sleek design and flexible installation options, the floor-ceiling unit is ideal for open spaces or rooms with unique layouts, delivering reliable heating and cooling with the utmost energy efficiency.

## 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
<b>CASSETTE GRILLE (REQUIRED)</b>		<b>GREETF05</b>	<b>GREETF05</b>	<b>GREETF05</b>	<b>GREETF06</b>	<b>GREETF06</b>	<b>GREETF06</b>
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	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	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	13.23 / 20.948
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor - Residential &amp; Commercial</b>					

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

For larger sizes (30k & 36k), All Match products can be paired with Livo 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
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor - Residential &amp; Commercial</b>					

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

For larger sizes (30k & 36k), All Match products can be paired with Livo 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
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor - Residential &amp; Commercial</b>					

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

For larger sizes (30k & 36k), All Match products can be paired with Livo 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 x 15-5/32 x 7-1/64	38-55/64 x 15-5/32 x 7-1/64	38-55/64 x 15-5/32 x 7-1/64	38-55/64 x 15-5/32 x 7-1/64
Package Dimension (L x W x H)	in	51-29/64 x 19-23/32 x 12-13/64	51-29/64 x 19-23/32 x 12-13/64	51-29/64 x 19-23/32 x 12-13/64	51-29/64 x 19-23/32 x 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 x 18-7/64 x 2-11/64	47-1/4 x 18-7/64 x 2-11/64	47-1/4 x 18-7/64 x 2-11/64	47-1/4 x 18-7/64 x 2-11/64
Package Dimension (L x W x H)	in	49-13/16 x 21-1/8 x 4-25/32	49-13/16 x 21-1/8 x 4-25/32	49-13/16 x 21-1/8 x 4-25/32	49-13/16 x 21-1/8 x 4-25/32
Weight (Net / Gross)	lbs	9.26 / 13.23	9.26 / 13.23	9.26 / 13.23	9.26 / 13.23
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor - Residential &amp; Commercial</b>			

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
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor - Residential &amp; Commercial</b>		

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 x 15-33/64 x 74-6/64
Package Dimension (L x W x H)	in	28-10/64 x 18-32/64 x 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
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor - Residential &amp; Commercial</b>

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	9+9+9		
	12+18	9+9+12		
	18+18	9+9+18		
		9+12+12		
		12+12+12		
MUL30HP230V1R32AO	ABOVE SIZES PLUS:	ABOVE SIZES PLUS:		
	9+24	9+9+24	9+9+9+9	
	12+24	9+12+18	9+9+9+12	
	18+24	12+12+18	9+9+9+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	
		18+18+18	12+12+12+18	
MUL42HP230V1R32AO MUL48HP230V1R32AO	ALL THE ABOVE SIZES	ABOVE SIZES PLUS:	ABOVE SIZES PLUS:	
		9+24+24	9+9+18+24	9+9+9+9+9
		12+24+24	9+12+12+24	9+9+9+9+12
		18+18+24	9+12+18+18	9+9+9+9+18
			9+12+18+24	9+9+9+9+24
			9+18+18+18	9+9+9+12+12
			12+12+12+24	9+9+9+12+18
			12+12+18+18	9+9+9+12+24
				9+9+9+18+18
				9+9+12+12+12
				9+9+12+12+18
				9+12+12+12+12
				9+12+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.



# MULTI-ZONE COMPATIBILITY CHART

## WALL MOUNT OPTIONS



	MULTI-ZONE					
	MUL18HP230VIR32AO	MUL24HP230VIR32AO	MUL30HP230VIR32AO	MUL36HP230VIR32AO	MUL42HP230VIR32AO	MUL48HP230VIR32AO
<b>LIVO R32</b>						
<b>System Model no.</b>						
LIV05HP230VIR32AH	•	•	•	•	•	•
LIV07HP230VIR32AH	•	•	•	•	•	•
LIV09HP230VIR32AH	•	•	•	•	•	•
LIV12HP230VIR32AH	•	•	•	•	•	•
LIV18HP230VIR32AH		•	•	•	•	•
LIV24HP230VIR32AH			•	•	•	•
LIV30HP230VIR32AH						
LIV36HP230VIR32AH						
<b>VIREO R32</b>						
<b>System Model no.</b>						
VIR09HP230VIR32AH	•	•	•	•	•	•
VIR12HP230VIR32AH	•	•	•	•	•	•
VIR18HP230VIR32AH		•	•	•	•	•
VIR24HP230VIR32AH			•	•	•	•
<b>ENVO R32</b>						
<b>System Model no.</b>						
ENV09HP230VIR32AH	•	•	•	•	•	•
ENV12HP230VIR32AH	•	•	•	•	•	•
ENV18HP230VIR32AH		•	•	•	•	•
ENV24HP230VIR32AH			•	•	•	•
<b>SAPPHIRE R32</b>						
<b>System Model no.</b>						
SAP09HP230VIR32AH	•	•	•	•	•	•
SAP12HP230VIR32AH	•	•	•	•	•	•
SAP18HP230VIR32AH		•	•	•	•	•
SAP24HP230VIR32AH			•	•	•	•



## ADDITIONAL INDOOR UNIT OPTIONS

	MULTI-ZONE					
	MUL18HP230VIR32AO	MUL24HP230VIR32AO	MUL30HP230VIR32AO	MUL36HP230VIR32AO	MUL42HP230VIR32AO	MUL48HP230VIR32AO
<b>ONE WAY CASSETTE</b>						
<b>System Model no.</b>						
OWC09HP230VIR32AH	•	•	•	•	•	•
OWC12HP230VIR32AH	•	•	•	•	•	•
OWC18HP230VIR32AH		•	•	•	•	•
OWC20HP230VIR32AH			•	•	•	•
<b>360° CEILING CASSETTE</b>						
<b>System Model no.</b>						
CAS09HP230VIR32AH	•	•	•	•	•	•
CAS12HP230VIR32AH	•	•	•	•	•	•
CAS18HP230VIR32AH		•	•	•	•	•
CAS24HP230VIR32AH			•	•	•	•
<b>SLIM DUCT</b>						
<b>System Model no.</b>						
DUC09HP230VIR32AH	•	•	•	•	•	•
DUC12HP230VIR32AH	•	•	•	•	•	•
DUC18HP230VIR32AH		•	•	•	•	•
DUC24HP230VIR32AH			•	•	•	•
<b>FLOOR/CEILING</b>						
<b>System Model no.</b>						
FLR09HP230VIR32AH	•	•	•	•	•	•
FLR12HP230VIR32AH	•	•	•	•	•	•
FLR18HP230VIR32AH		•	•	•	•	•
FLR24HP230VIR32AH			•	•	•	•
<b>MINI CONSOLE</b>						
<b>System Model no.</b>						
CON09HP230VIR32AH	•	•	•	•	•	•
CON12HP230VIR32AH	•	•	•	•	•	•
CON18HP230VIR32AH		•	•	•	•	•

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

Download from

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
<b>MULTI GEN2</b>												
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
<b>LIVO R32</b>			<b>360° CASSETTE<sup>1</sup></b>			<b>FLOOR/CEILING</b>			<b>SLIM DUCT</b>			
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
<b>VIREO R32</b>			<b>ONE WAY CASSETTE<sup>2</sup></b>			<b>MINI CONSOLE</b>						
VIR09HP230V1R32AH	9K	1/4 x 3/8	<sup>1</sup> GREETF05 9K, 12K & 18K			CON09HP230V1R32AH	9K	1/4 x 3/8				
VIR12HP230V1R32AH	12K	1/4 x 1/2	<sup>1</sup> GREETF06 24K			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							
<b>ENVO R32</b>			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	<sup>2</sup> GREETD01 9K, 12K, 18K & 20K									
ENV18HP230V1R32AH	18K	1/4 x 1/2										
ENV24HP230V1R32AH	24K	1/4 x 5/8										
<b>SAPPHIRE R32</b>												
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

MOCPC: 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
- XE72 WiFi Wired controller is optional for Livo R32, Vireo R32, Enviro R32, Sapphire R32 and Mini console R32
- Built-in WiFi for Sapphire R32, Vireo R32, Enviro R32 and Livo R32 High Walls
- 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

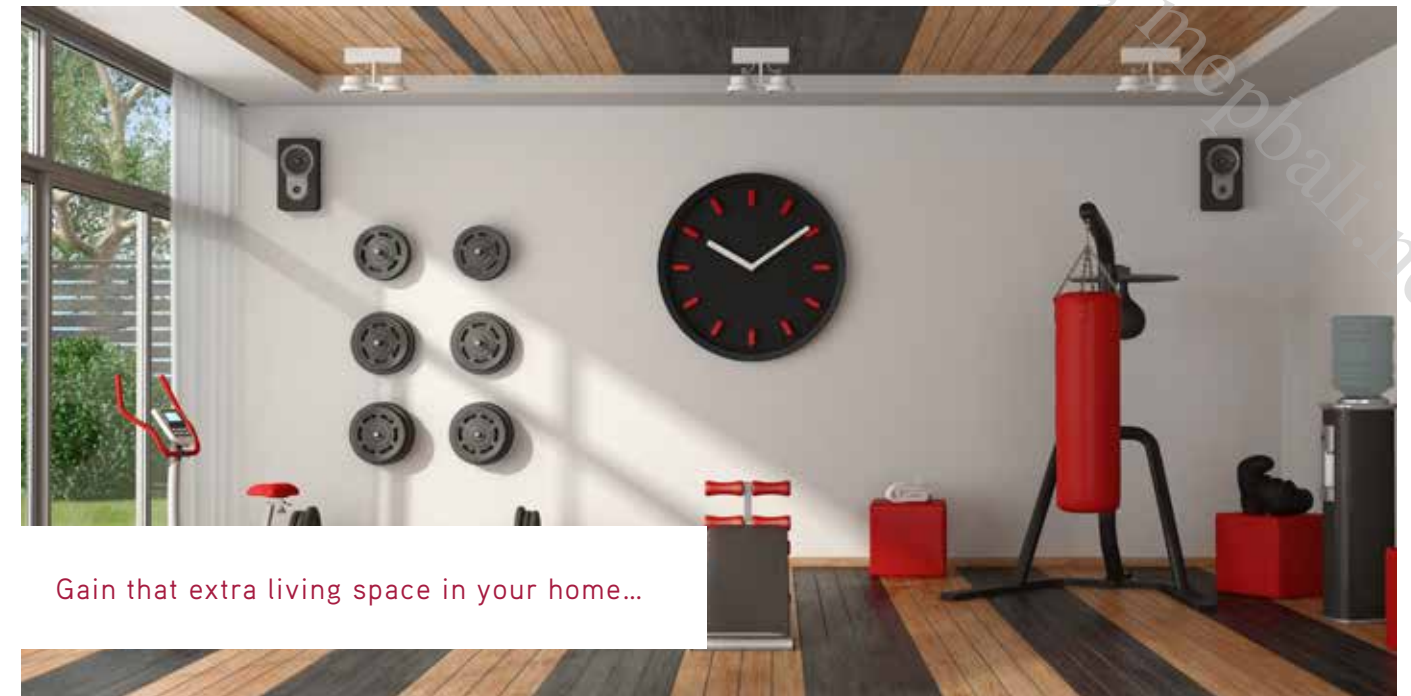


# SINGLE-ZONE APPLICATIONS & BENEFITS

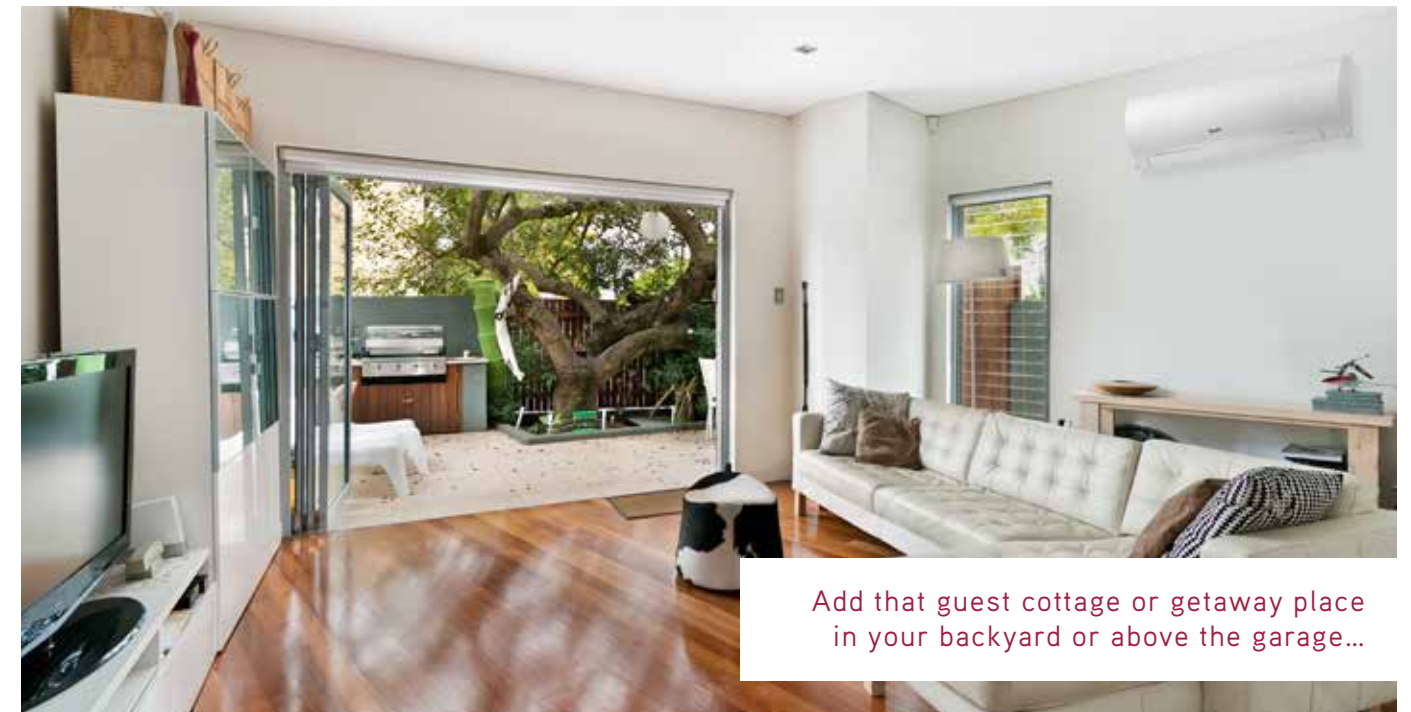
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Solve those too-hot/too-cold "problem areas"



Gain that extra living space in your home...



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



# 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		LIV09HP115VIR32AO	LIV12HP115VIR32AO	LIV09HP230VIR32AO	LIV12HP230VIR32AO	LIV18HP230VIR32AO	LIV24HP230VIR32AO	LIV30HP230VIR32AO	LIV36HP230VIR32AO	
Indoor Model		LIV09HP115VIR32AH	LIV12HP115VIR32AH	LIV09HP230VIR32AH	LIV12HP230VIR32AH	LIV18HP230VIR32AH	LIV24HP230VIR32AH	LIV30HP230VIR32AH	LIV36HP230VIR32AH	
SYSTEM PERFORMANCE										
Cooling Capacity	Min - Max	Btu/h	2,700 - 11,600	3,070 - 13,300	2,388 - 10,300	3,070 - 13,300	3,753 - 20,300	5,800 - 26,270	3,000 - 36,000	7,850 - 37,500
	Rated Capacity @95°F	Btu/h	9,100	12,000	9,100	12,000	18,000	24,000	30,000	33,600
Heating Capacity	Min - Max	Btu/h	2,400 - 13,300	3,070 - 14,600	2,217 - 13,136	3,070 - 14,600	2,730 - 22,500	5,400 - 26,600	5,800 - 35,500	10,000 - 37,500
	Rated Capacity @47°F	Btu/h	10,000	12,000	10,000	12,000	19,100	24,000	30,000	34,000
	Rated Capacity @17°F	Btu/h	8,100	9,700	8,100	9,700	15,300	19,200	24,000	27,400
	Rated Capacity @5°F	Btu/h	7,600	8,500	7,600	9,100	12,100	15,700	23,000	24,600
SEER2			20.5	19.0	20.5	19.0	20.0	19.0	22.0	21.0
EER2			11.9	9.3	12.5	9.75	12.35	11.9	10.9	10.6
HSPF2			8.8	8.5	8.8	8.5	8.5	8.5	9.0	8.5
COP @5°F			1.86	1.75	1.94	1.75	1.75	1.75	1.8	1.8
Energy Star® South			NO	NO	NO	NO	NO	NO	NO	NO
Energy Star® Certified with Cold Climate Designation			NO	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	0 - 118
Heating Temperature Range	°F		-13 - 75	-13 - 75	-13 - 75	-13 - 75	-13 - 75	-13 - 75	-13 - 75	-13 - 75
Refrigerant Type		R32								
INDOOR UNIT		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	
OUTDOOR UNIT		LIV09HP115VIR32AO	LIV12HP115VIR32AO	LIV09HP230VIR32AO	LIV12HP230VIR32AO	LIV18HP230VIR32AO	LIV24HP230VIR32AO	LIV30HP230VIR32AO	LIV36HP230VIR32AO	
Compressor Type		GREE G20 / SINGLE CYLINDER / 1 - STAGE INVERTER								
Sound Pressure Level	dB(A)	51	52	51	52	57	58	62	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	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	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	122.4	
Gross Weight	lbs	60.6	63.9	58.4	61.7	76.1	103.6	127.9	133.4	
REFRIGERANT PIPING										
Refrigerant Charge - R32	oz	18.7	17.6	18.7	17.6	32.5	42.3	56.4	56.4	
Additional Charge	oz/ft	0.2	0.2	0.2	0.2	0.2	0.1	0.4	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	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	10 - 131	
Max. Pipe Elevation	ft	40	40	40	40	33	82	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	20	
Rated Current - Heating	A	15.4	14.64	7	7.47	9.5	12	20	20	
MOCP	A	20	20	15	15	15	20	30	35	
MCA	A	19	19	10	12	13	15	27	24	
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



## 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.

- 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.

- 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	2,730 - 12,966	2,729.6 - 15,012.8	5,118 - 22,178	3,340 - 28,660
	Rated Capacity @95°F	Btu/h	9,100	12,000	18,000	22,000
Heating Capacity	Min - Max	Btu/h	2,388 - 15,013	3,070.8 - 15,695.2	4,436 - 22,178	3,300 - 31,390
	Rated Capacity @47°F	Btu/h	10,500	12,000	18,000	24,000
	Rated Capacity @17°F	Btu/h	8,800	10,000	14,700	20,000
	Rated Capacity @5°F	Btu/h	9,500	11,000	14,600	16,000
SEER2			26.0	24.5	24.5	26.0
EER2			15.0	13.0	13.65	13.65
HSPF2			10.4	9.5	9.0	10.0
COP @5°F			1.88	1.95	1.9	1.8
Energy Star® South			YES	YES	YES	YES
Energy Star® Certified with Cold Climate Designation			YES	YES	YES	NO
Cooling Temperature Range	*F		-20 - 122	-20 - 122	-20 - 122	-20 - 122
Heating Temperature Range	*F		-22 - 86	-22 - 86	-22 - 86	-22 - 86
Refrigerant Type			R32			
INDOOR UNIT		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	
OUTDOOR UNIT		VIR09HP230VIR32AO	VIR12HP230VIR32AO	VIR18HP230VIR32AO	VIR24HP230VIR32AO	
Compressor Type		GREE G20 / SINGLE CYLINDER / 1 - STAGE INVERTER				
Sound Pressure Level	dB(A)	52	52	59	58	
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	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	40-5/8 x 29-1/64 x 17-61/64	
Net Weight	lbs	70.6	67.3	94.8	92.6	
Gross Weight	lbs	76.1	72.8	104.7	102.5	
REFRIGERANT PIPING						
Refrigerant Charge - R32	oz	30	28.2	40.6	42.3	
Additional Charge	oz/ft	0.2	0.2	0.2	0.4	
Line Set Size (Liquid - Gas) - Flared Connections	in	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 - 131	10 - 131	
Max. Pipe Elevation	ft	40	40	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	4.73	6.64	11.5	13	
Rated Current - Heating	A	6	6.41	11.5	15.5	
MOCP	A	15	15	20	30	
MCA	A	10	10	16	22	
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 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.

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

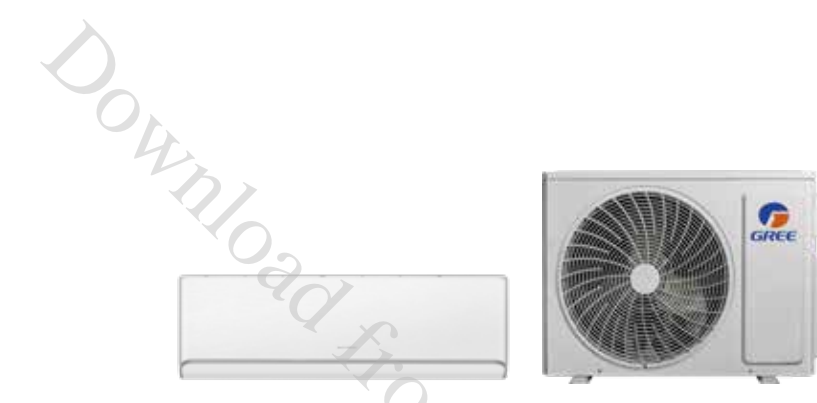
ENVO systems can handle those challenging environments that require outside air when you include the optional fresh air kit. With GREE's superior reliability and performance, the ENVO can tackle most applications.

- 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		ENV09HP230VIR32AO	ENV12HP230VIR32AO	ENV18HP230VIR32AO	ENV24HP230VIR32AO	
Indoor Model		ENV09HP230VIR32AH	ENV12HP230VIR32AH	ENV18HP230VIR32AH	ENV24HP230VIR32AH	
SYSTEM PERFORMANCE						
Cooling Capacity	Min - Max	Btu/h	2,730 - 12,966	2,729.6 - 15,012.8	5,118 - 22,178	3,990 - 28,000
	Rated Capacity @95°F	Btu/h	9,100	12,000	18,000	22,000
Heating Capacity	Min - Max	Btu/h	2,388 - 15,013	3,070.8 - 15,695.2	4,436 - 22,178	2,900 - 27,640
	Rated Capacity @47°F	Btu/h	10,500	12,000	18,000	24,000
	Rated Capacity @17°F	Btu/h	8,800	10,000	14,700	20,000
	Rated Capacity @5°F	Btu/h	9,300	11,000	14,600	22,000
SEER2			26.0	24.5	24.5	24.0
EER2			15.0	13.0	13.65	13.1
HSPF2			10.4	9.5	9.0	9.0
COP @5°F			1.96	1.95	1.9	1.75
Energy Star® South			YES	YES	YES	NO
Energy Star® Certified with Cold Climate Designation			YES	YES	YES	YES
Cooling Temperature Range	*F		-20 - 122	-20 - 122	-20 - 122	-20 - 122
Heating Temperature Range	*F		-22 - 86	-22 - 86	-22 - 86	-22 - 86
Refrigerant Type			R32			
INDOOR UNIT		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		25.4	25.4	35.3	35.3	
OUTDOOR UNIT		ENV09HP230VIR32AO	ENV12HP230VIR32AO	ENV18HP230VIR32AO	ENV24HP230VIR32AO	
Compressor Type		GREE G20 / SINGLE CYLINDER / 1 - STAGE INVERTER				
Sound Pressure Level	dB(A)	52	52	59	61	
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	39 3/8 x 29 3/8 x 16 13/16	
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	42 33/64 x 31 57/64 x 19 1/64	
Net Weight	lbs	70.6	70.6	94.8	103.6	
Gross Weight	lbs	76.1	76.1	104.7	114.7	
REFRIGERANT PIPING						
Refrigerant Charge - R32	oz	30	28.2	40.6	49.4	
Additional Charge	oz/ft	0.2	0.2	0.2	0.4	
Line Set Size (Liquid - Gas) - Flared Connections	in	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 - 131	10 - 131	
Max. Pipe Elevation	ft	40	40	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	4.73	6.64	11.5	13.5	
Rated Current - Heating	A	6	6.41	11.5	17.2	
MOCP	A	15	15	20	30	
MCA	A	10	10	16	22	
Main Power Wire Size	AWG	Per Local Code				
Interconnecting Wire Size	AWG	14 / 4				
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor - Residential & Commercial				



# 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		SAP09HP230VIR32AO	SAP12HP230VIR32AO	SAP18HP230VIR32AO	SAP24HP230VIR32AO	
Indoor Model		SAP09HP230VIR32AH	SAP12HP230VIR32AH	SAP18HP230VIR32AH	SAP24HP230VIR32AH	
SYSTEM PERFORMANCE						
Cooling Capacity	Min - Max	Btu/h	1,365 - 12,966	2,900 - 17,060	4,435 - 25,590	5,800 - 31,400
	Rated Capacity @95°F	Btu/h	9,100	12,000	18,000	22,000
Heating Capacity	Min - Max	Btu/h	2,730 - 17,060	3,070 - 18,766	5,118 - 26,272	5,800 - 33,100
	Rated Capacity @47°F	Btu/h	10,600	12,200	18,600	24,000
	Rated Capacity @17°F	Btu/h	8,900	10,300	15,500	20,000
	Rated Capacity @5°F	Btu/h	11,500	12,200	18,000	24,000
SEER2			30.0	28.0	27.5	27.0
EER2			16.8	15.2	14.3	13.95
HSPF2			11.2	10.0	10.0	10.0
COP @5°F			2.11	2.0	1.8	1.8
Energy Star® South			YES	YES	NO	NO
Energy Star® Certified with Cold Climate Designation			YES	YES	YES	NO
Cooling Temperature Range	°F		-20 - 122	-20 - 122	-20 - 122	-20 - 122
Heating Temperature Range	°F		-22 - 86	-22 - 86	-22 - 86	-22 - 86
Refrigerant Type			R32			
INDOOR UNIT		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	
OUTDOOR UNIT		SAP09HP230VIR32AO	SAP12HP230VIR32AO	SAP18HP230VIR32AO	SAP24HP230VIR32AO	
Compressor Type		GREE G20 / DOUBLE CYLINDER / 1 - STAGE INVERTER				
Sound Pressure Level	dB(A)	56	55	59	62	
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	39 3/8 x 29 3/8 x 16 13/16	
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	42-33/64 x 31-57/64 x 19-1/64	
Net Weight	lbs	78.3	78.3	94.8	115.8	
Gross Weight	lbs	84.9	84.9	104.7	126.8	
REFRIGERANT PIPING						
Refrigerant Charge	oz	35.3	35.3	47.6	56.4	
Additional Charge	oz/ft	0.2	0.2	0.4	0.4	
Line Set Size (Liquid - Gas) - Flared Connections	in	1/4 - 1/2	1/4 - 1/2	1/4 - 5/8	1/4 - 5/8	
Pre-Charge Length	ft	25				
Pipe Length (Min - Max)	ft	10 - 131	10 - 131	10 - 131	10 - 131	
Max. Pipe Elevation	ft	82	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	14	
Rated Current - Heating	A	7.6	7.8	16	21.5	
MOCP	A	15	15	25	30	
MCA	A	11	11	23	25.5	
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

Download from



### SINGLE-ZONE SYSTEMS

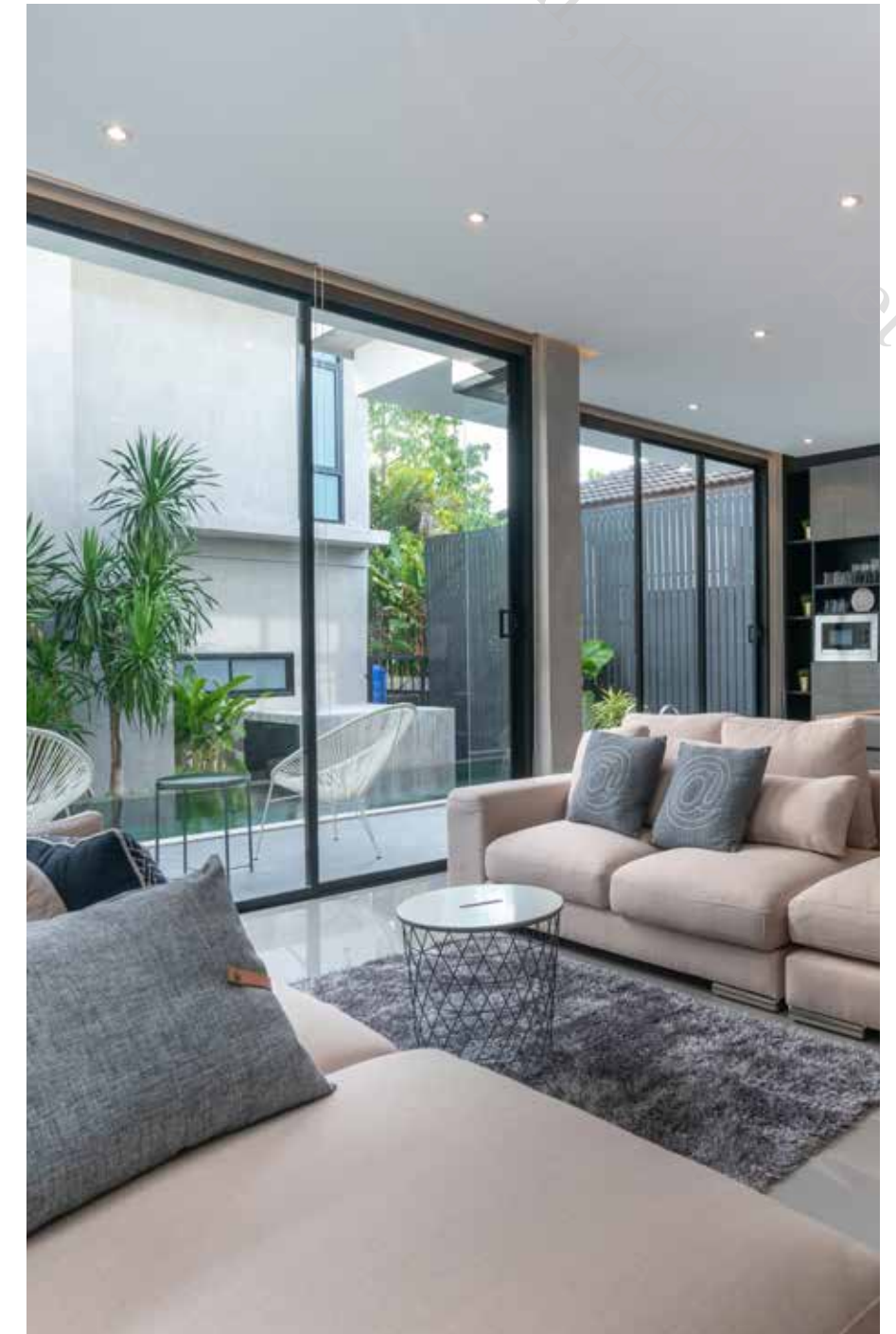
	Indoor Model No.	Outdoor Model No.	Nominal Capacity (Btu)	SEER2 / EER2	HSPF2 / COP	Cooling Range (°F)	Heating Range (°F)	MCA / MOCP		Line Set (Port) Size	Max line length	Max Lift/ Drop OD to ID units	WIFI
<b>LIVO R32*</b>													
	LIV09HP115V1R32AH	LIV09HP115V1R32AO	9K	20.5 / 11.9	8.8 / 3.7	0 - 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
<b>VIREO R32*</b>													
	VIR09HP230V1R32AH & BH <sup>1</sup>	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 & BH <sup>1</sup>	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 & BH <sup>1</sup>	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 & BH <sup>1</sup>	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

\*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
<b>SAPPHIRE R32</b>													
	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

“Alexa, turn on the Air Conditioning”

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

# GREE SERVICE TOOLS

## SMARTER TROUBLESHOOTING, FASTER REPAIRS

Quickly diagnose, monitor, and optimize GREE HVAC systems with industry-leading service tools.



**Single-Zone | GREGT2A3AD**  
Troubleshooting & Unit Simulation

- Compatible with Single Zone & Multi-Zone Systems for data monitoring.
- Simulate an indoor or outdoor unit to diagnose missing components.
- Key tool for E6 communication error troubleshooting.



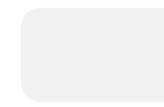
**Multi-Zone | MZ230VTESTER**  
Outdoor & Indoor Data Insights

- Connects to the outdoor mainboard for full system diagnostics.
- View run data across multiple indoor units in a multi-zone system.
- Helps analyze system-wide performance.



**MultiPRO | CE42-24/F(C)**  
Full System Commissioning & Control

- Set up and fine-tune systems directly from the tool.
- Provides full control over indoor unit operations (temperature, coil temps, EEV steps).
- Monitors compressor speed (Hz), outdoor fan speed (Hz), and DC bus voltage.



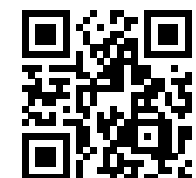
**FLEXX R32**  
COMING SOON!

## WHICH TOOL DO YOU NEED?

TOOL	BEST FOR	KEY FUNCTIONS	SCENARIO
<b>MZ230VTESTER</b>	Multi-Zone Systems	Outdoor & indoor unit data, EEV steps, voltages	Viewing data for both outdoor and multiple indoor units
<b>GREGT2A3AD</b>	Single & Multi-Zone Systems	E6 error troubleshooting, unit simulation, data monitoring	Diagnosing E6 errors or testing an indoor/outdoor unit
<b>CE42-24/F(C)</b>	MultiPRO Full System Control	Start-up commissioning, diagnostics, unit control	Setting up a new system and commissioning units
<b>FLEXX R32</b>	FLEXX R32 Systems	Coming Soon	



For additional support, manuals, and ordering information, scan the QR code or visit [www.greecomfort.com](http://www.greecomfort.com)



SCAN ME FOR VIDEO



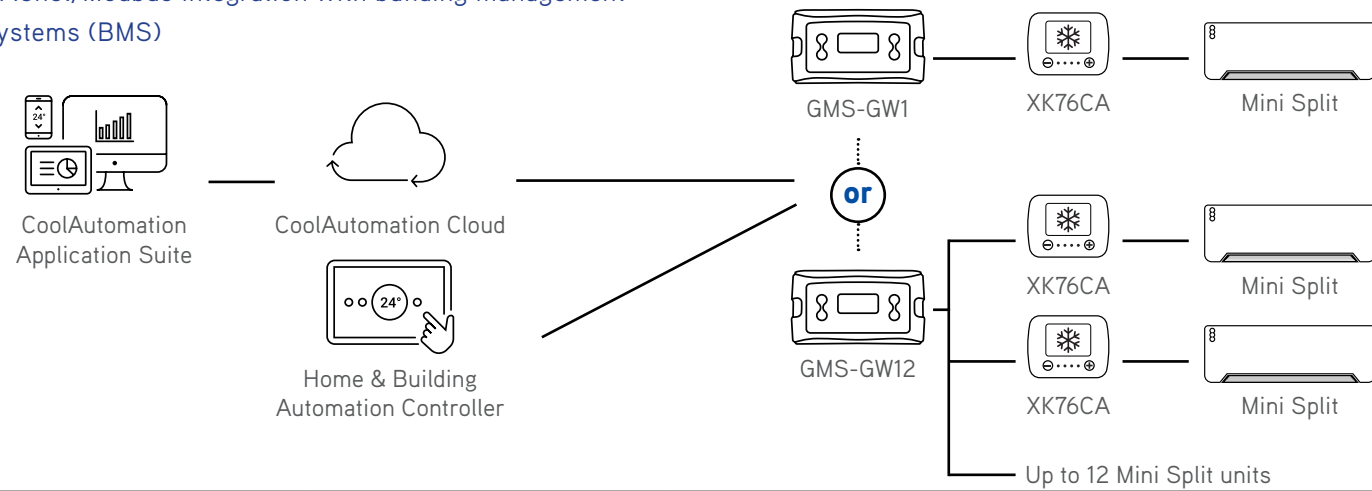
# HOME & BUILDING AUTOMATION SYSTEM



## 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



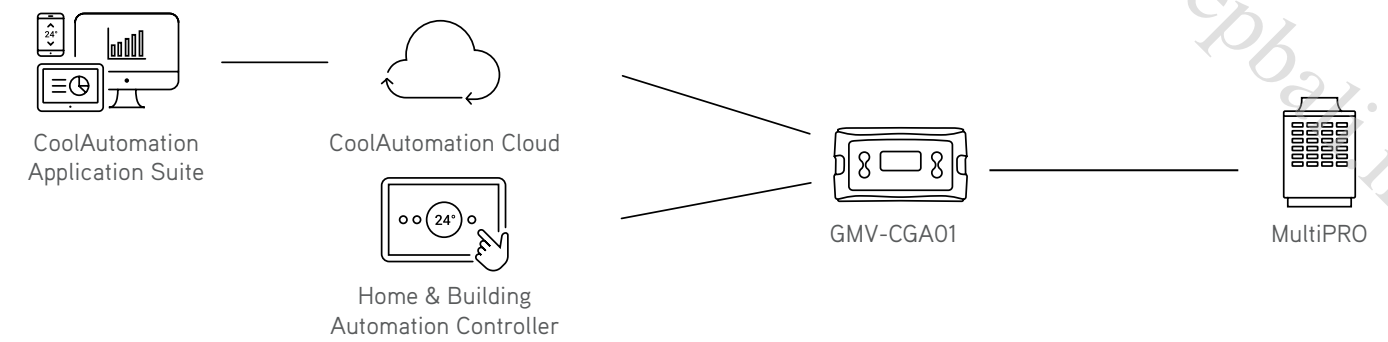
SPECIFICATIONS			
Model		GSM-GW1	GSM-GW12
Power supply	Min load	5VDC/60mA (via mini USB); 12VDC/35mA; 24VDC/20mA	5VDC/60mA (via mini USB); 12VDC/35mA; 24VDC/20mA
	Max load	5VDC/100mA (via mini USB); 12VDC/70mA; 24VDC/40mA	5VDC/100mA (via mini USB); 12VDC/70mA; 24VDC/40mA
Mounting		Magnet	
Operating conditions	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	0% - 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)		-



# 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	34,214 - 61,600
	Capacity @95°F	Btu/h	24,000	34,000	48,000	53,000
Heating Capacity	Min - Max	Btu/h	17,287 - 27,000	19,592 - 36,040	25,162 - 50,880	25,931 - 57,240
	Capacity @47°F	Btu/h	25,000	34,000	48,000	54,000
	Capacity @17°F	Btu/h	20,600	28,200	39,500	45,000
	Capacity @5°F	Btu/h	25,000	34,000	48,000	54,000
SEER2			18.0	18.0	19.0	18.5
EER2			12.5	12.0	12.0	11.7
HSPF2			10.0	10.0	10.0	10.5
COP @5°F			2.0	2.0	2.0	2.10
Energy Star® South			YES	YES	YES	YES
Energy Star® Certified with Cold Climate Designation			YES	YES	YES	YES
Cooling Temperature Range	°F		5 - 129	5 - 129	5 - 129	5 - 129
Heating Temperature Range	°F		-22 - 75	-22 - 75	-22 - 75	-22 - 75
Refrigerant Type			R32			
INDOOR UNIT		FXU24HP230V1R32AH	FXU36HP230V1R32AH	FXU48HP230V1R32AH	FXU60HP230V1R32AH	
Power Supply	VAC	208-230V / 1Ph / 60 Hz	208-230V / 1Ph / 60 Hz	208-230V / 1Ph / 60 Hz	208-230V / 1Ph / 60 Hz	
Sound Pressure Level	dB(A)	50	51	52	53	
Control Voltage	VAC	24	24	24	24	
Rated Current Cooling	A	1	1.6	2.1	2.8	
Rated Current Heating	A	1	1.5	1.9	2.5	
MCA	A	4.7	5.3	7.1	7.7	
MOCP	A	15	15	15	15	
Electric Heater (Optional)	kW	6	6, 9, 12	6, 9, 12	6, 9, 12	
Air Flow	CFM	760	1000	1200	1500	
External Static Pressure (Up to)	In W.c.	1.0	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	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	27-1/4 x 54-3/16 x 26	
Net Weight	lbs	135.6	163.1	199.5	199.5	
Gross Weight	lbs	144.4	178.6	218.3	218.3	
OUTDOOR UNIT		FXU24HP230V1R32AO	FXU36HP230V1R32AO	FXU48HP230V1R32AO	FXU60HP230V1R32AO	
Power Supply	VAC	208-230V / 1Ph / 60 Hz	208-230V / 1Ph / 60 Hz	208-230V / 1Ph / 60 Hz	208-230V / 1Ph / 60 Hz	
Sound Pressure Level	dB(A)	60	61	62	63	
Control Voltage	VAC	24	24	24	24	
Rated Current Cooling	A	10.36	14.89	21.08	24.53	
Rated Current Heating	A	10.05	14.92	21.81	23.44	
MCA	A	21	27.7	39.9	40	
MOCP	A	25	30	45	45	
Compressor 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	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	40-11/16 x 55-3/16 x 17-3/8	
Net Weight	lbs	187.4	187.4	241.4	241.4	
Gross Weight	lbs	211.6	211.6	263.5	263.5	
Refrigerant Charge - R32	oz	88.2	102.3	162.3	162.3	
Additional Charge	oz/ft	0.323	0.323	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	
Pre-Charge Length	ft	31	31	31	31	
Pipe Length (Min - Max)	ft	10 - 164	10 - 164	10 - 98	10 - 98	
Max. Pipe Elevation	ft	98	98	49	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 × 21-1/4 × 43-1/2	18-1/8 × 21-1/4 × 43-1/2	21-1/4 × 21-1/4 × 48-3/16	24-13/16 × 21-1/4 × 52	24-13/16 × 21-1/4 × 52
Package Dimension (W x H x D)		in	20-5/8 × 26 × 45-5/8	20-5/8 × 26 × 45-5/8	23-3/4 × 26 × 50-3/8	27-1/4 × 26 × 54-3/16	27-1/4 × 26 × 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	36-1/4×14-9/16×29-3/8	36-1/4×14-9/16×29-3/8	35-7/16 × 13-3/8 × 49-5/8		
Package Dimension (W x H x D)		in	42-1/2 × 19 × 31-1/2	42-1/2 × 19 × 31-1/2	40-11/16 × 17-3/8 × 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	31	31	31	31	31
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					



## 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)
<b>SYSTEM PERFORMANCE</b>					
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
<b>UNIT DATA</b>		<b>GK-H02TC/NaA-T(U)</b>	<b>GK-H03TC/NaA-T(U)</b>	<b>GK-H04TC/NaA-T(U)</b>	<b>GK-H05TC/NaA-T(U)</b>
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
<b>ELECTRICAL</b>					
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.			
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor - Residential &amp; Commercial</b>			



# 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.	

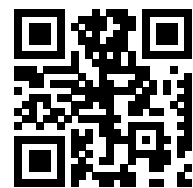


# Select Dealer Program

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](mailto: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](mailto:greeselect@twclimate.com)



## 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.

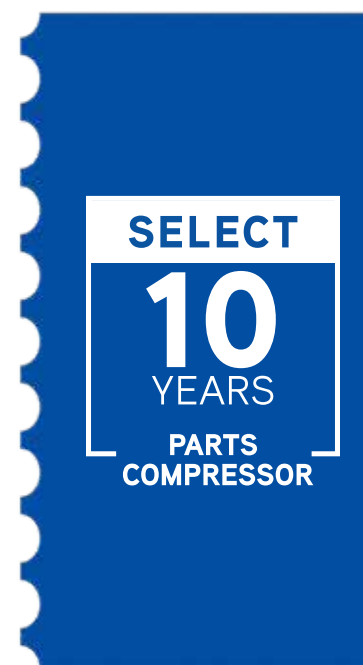
## SELECT DEALER WARRANTY PROGRAM\*

- 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](http://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](http://GREECOMFORT.COM/GREESELECT) FOR DETAILS



\*Multiple classes available at GREE University. Visit [greecomfort.com/gree-university](http://greecomfort.com/gree-university) 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](http://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](http://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](http://www.greecomfort.com/videos)  
[www.greecomfort.com/before-you-install](http://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

Download from mepbali.net



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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