



## EFFICIENT AND FLEXIBLE TO FIT YOUR LIFESTYLE

**SINGLE-ZONE 230V**



### ELEVATE THE ATMOSPHERE IN ANY ROOM.

The Energy Star®-compliant Vireo+ line brings dramatic new performance and style to every room. Never before has it been so easy to maintain constant indoor comfort, regardless of the outdoor conditions.

- 4 INDOOR UNITS TO CHOOSE
- HIGH EFFICIENCY, UP TO 25.3 SEER / 11.5 HSPF
- AUTO-CLEAN FUNCTION
- SUB-ZERO COOLING CAPABILITIES

- Smart Home Integration
- Ultra heat down to -22F
- Ultra cool down to -20F
- 7 fan speeds + Turbo
- Intelligent defrost
- Low voltage start-up
- Automatic voltage adaption
- Intelligent preheating
- Self-clean technology
- Easier to Clean/Change Filters
- Optimized Airflow Design
- Timer function
- Remote & wired controller options
- I-Feel function
- Swing louver control
- Privacy lock mode



MODEL		VIREO GEN3			
System Type		HEAT PUMP			
SYSTEM PERFORMANCE		SEE INDIVIDUAL INDOOR UNIT DATA TABLES			
Energy Star®		SEE INDIVIDUAL INDOOR UNIT DATA TABLES			
OUTDOOR UNIT		3VIR09HP230V1AO	3VIR12HP230V1AO	3VIR18HP230V1AO	3VIR24HP230V1AO
Cooling Temperature Range	*F	-20 - 122	-20 - 122	-20 - 122	-20 - 122
Heating Temperature Range	*F	-22 - 86	-22 - 86	-22 - 86	-22 - 86
Compressor Type		G-10 / 1 - Stage Inverter			
Sound Pressure Level (Cooling & Heating)	dB(A)	52	52	57	59
Unit Dimension (WxHxD)	in	33 3/8 x 23 1/2 x 12 5/8	35 3/8 x 23 1/2 x 14 3/4	38 x 27 5/8 x 15 5/8	39 1/2 x 31 1/8 x 16 3/4
Package Dimension (WxHxD)	in	34 3/4 x 25 3/8 x 14 1/4	37 1/3 x 25 3/8 x 16 1/2	40 1/2 x 29 1/2 x 18 1/16	42 5/8 x 33 5/8 x 19 1/4
Weight (Net / Gross)	lbs	73.9 / 80.5	83.8 / 90.4	103.6 / 113.6	124.6 / 135.6
Refrigerant Charge - R410A	oz	36.3	47.3	56.4	63.5
Coil Type		Aluminum Fin / Copper Tube			
REFRIGERANT PIPING					
Line Set Size (Liquid - Gas)	in	Size line set by indoor unit port sizes			
Pre-Charge Length	ft	25			
Pipe Length (Min / Max)	ft	10 / 49	10 / 66	10 / 98	10 / 98
Max. Pipe Elevation	ft	33	33	66	66
ELECTRICAL					
Power Supply		208-230V / 1Ph / 60Hz			
Rated Current Cooling	amps	3.0	4.0	6	7.5
Rated Current Heating	amps	7.2	7.5	12	14.5
MCA	amps	9	10	15	16
MOCP	amps	15	15	20	25
Main Power Wire Size	AWG	Per Local Code			
Communication Wire Size	AWG	14 / 4			
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial			

# 4 INDOOR UNITS TO CHOOSE

- Wall Mount
- Ceiling Cassette
- Universal Floor/Ceiling
- Slim Duct (High Static)



Slim compact design hangs inconspicuously on the wall and mixes with most interior designs. Built-in WIFI technology allows local to long distance control from smartphones with the GREE+ smart app.

## WALL MOUNT

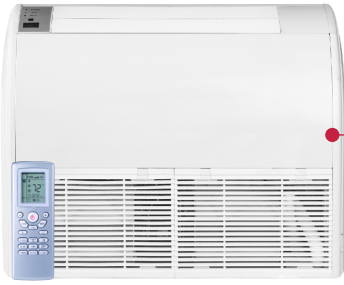
MODEL		3VIRO9HP230V1AH	3VIR12HP230V1AH	3VIR18HP230V1AH	3VIR24HP230V1AH
System Type		HEAT PUMP			
<b>SYSTEM PERFORMANCE (Non-Ducted Indoor Units)</b>					
Cooling Capacity (Min-Max)	Btu/h	9100 (2457 - 10748)	12000 (3071 - 14100)	18000 (5118 - 23202)	22000 (3400 - 28500)
Heating Capacity (Min-Max)	Btu/h	11000 (2593 - 13307)	12000 (3071 - 15500)	18200 (5800 - 23543)	24000 (4300 - 33600)
SEER / EER		25.3 / 14.7	25 / 13	23 / 13	23 / 13
HSPF / COP		11.2 / 3.75	11.5 / 3.61	11 / 3.65	11 / 3.81
Energy Star®		YES			
Air Flow (Min-Max)	CFM	194 - 353	230 - 400	353 - 618	400 - 824
Sound Pressure Level (Min-Max)	dB(A)	25 - 40	27 - 43	31 - 46	35 - 53
Dehumidification	pt/hr	1.70	3	3.8	5.1
Condensate Drain Size (OD)	in	5 / 8	5 / 8	5 / 8	5 / 8
Unit Dimension (WxHxD)	in	32 1/2 x 11 1/2 x 7 3/4	32 1/2 x 11 1/2 x 7 3/4	38 5/8 x 12 1/4 x 8 3/4	42 5/8 x 13 1/8 x 9 3/4
Package Dimension (WxHxD)	in	34 1/4 x 13 3/4 x 10 1/8	34 1/4 x 13 3/4 x 10 1/8	40 7/8 x 14 7/8 x 11 5/16	44 7/16 x 16 x 12 3/4
Weight (Net / Gross)	lbs	21 / 25.4	21 / 25.4	30 / 35.3	35.3 / 42
Line Set Size (Liquid - Gas)	in	1/4 - 3/8	1/4 - 1/2	1/4 - 5/8	1/4 - 5/8
Power Supply		208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)			
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial			



Suitable for any room; installs easily in suspended ceilings.

## CEILING CASSETTE

MODEL		CAS12HP230V1BC	CAS18HP230V1BC	CAS24HP230V1BC
System Type		HEAT PUMP		
<b>SYSTEM PERFORMANCE (Non-Ducted Indoor Units)</b>				
Cooling Capacity	Btu/h	12000	18000	22000
Heating Capacity	Btu/h	12000	18200	24000
SEER / EER		24 / 13	20 / 10.25	21 / 12
HSPF / COP		11.3 / 4.0	10 / 2.96	11.5 / 3.81
Energy Star®		YES	NO	NO
Air Flow (Min-Max)	CFM	265 - 383	265 - 418	518 - 753
Sound Pressure Level	dB(A)	34 - 44	35 - 47	36 - 47
Dehumidification	pt/hr	2.96	3.80	5.3
Condensate Drain Size (OD)	in	1	1	1
Unit Dimension (WxHxD)	in	23 1/2 x 9 1/2 x 23 1/2	23 1/2 x 9 1/2 x 23 1/2	33 x 9 1/2 x 33
Package Dimension (WxHxD)	in	30 1/2 x 11 1/4 x 29	30 1/2 x 11 1/4 x 29	37 1/2 x 12 1/8 x 37 1/2
Weight (Net / Gross)	lbs	44 / 53	44 / 53	57.3 / 70.5
Line Set Size (Liquid - Gas)	in	1/4 - 3/8	1/4 - 1/2	3/8 - 5/8
Power Supply		208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)		
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor – Residential & Commercial		
<b>CASSETTE GRILLE (Required)</b>		<b>CASGRILLEBSM</b>	<b>CASGRILLEBSM</b>	<b>CASGRILLEBLG</b>
Grille Dimension (WxHxD)	in	26 3/8 x 2 x 26 3/8	26 3/8 x 2 x 26 3/8	37 7/16 x 2 3/8 x 37 7/16
Package Dimension (WxHxD)	in	30 x 3 1/2 x 30	30 x 3 1/2 x 30	40 1/2 x 4 5/8 x 40 3/4
Weight (Net / Gross)	lbs	7.7 / 11	7.7 / 11	15.4 / 24.25



Slender, lightweight and attractive; ideal for limited spaces.  
Suspend from ceiling or mount low on wall.

## UNIVERSAL FLOOR/CEILING

MODEL		FLR09HP230V1BF	FLR12HP230V1BF	FLR18HP230V1BF	FLR24HP230V1BF
System Type		HEAT PUMP			
<b>SYSTEM PERFORMANCE (Non-Ducted Indoor Units)</b>					
Cooling Capacity	Btu/h	9100	12000	18000	22000
Heating Capacity	Btu/h	11000	12000	18200	24000
SEER / EER		19.5 / 13.3	19.6 / 12.5	15 / 10.25	20 / 12
HSPF / COP		11.2 / 3.75	10.5 / 3.5	8.5 / 2.6	10 / 3.3
Energy Star®		YES	YES	NO	NO
Air Flow (Min-Max)	CFM	257 - 412	257 - 412	241 - 400	424 - 560
Sound Pressure Level (Min-Max)	dB(A)	26 - 38	26 - 38	27 - 38	27 - 38
Dehumidification	pt/hr	1.7	3	3.8	5.3
Condensate Drain Size	in	11/16	11/16	11/16	11/16
Unit Dimension (WxHxD)	in	34 1/4 x 26 1/4 x 9 1/4	34 1/4 x 26 1/4 x 9 1/4	34 1/4 x 26 1/4 x 9 1/4	47 1/4 x 26 1/4 x 9 1/4
Package Dimension (WxHxD)	in	40 1/2 x 30 1/4 x 11 1/4	40 1/2 x 30 1/4 x 11 1/4	40 1/2 x 30 1/4 x 11 1/4	53 1/2 x 30 1/4 x 11 1/4
Weight (Net / Gross)	lbs	55 / 66.2	55 / 66.2	66.3 / 67.3	72.8 / 88.2
Line Set Size (Liquid - Gas)	in	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8
Power Supply		208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)			
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor - Residential & Commercial			



Hides above suspended ceiling or in closet space; delivers air via ducting or suitable ceiling /wall grilles.

## SLIM DUCT (HIGH STATIC)

MODEL		DUCT09HP230V1BD	DUCT12HP230V1BD	DUCT18HP230V1BD	DUCT24HP230V1BD
System Type		HEAT PUMP			
<b>SYSTEM PERFORMANCE (Ducted Indoor Units)</b>					
Cooling Capacity	Btu/h	9100	12000	18000	22000
Heating Capacity	Btu/h	11000	12000	18200	24000
SEER / EER		21 / 14.2	20.5 / 11.8	15.2 / 8.85	20 / 12.5
HSPF / COP		11.2 / 3.74	10.6 / 3.78	9.7 / 3.18	10 / 3.81
Energy Star®		YES	NO	NO	YES
Air Flow (Min-Max)	CFM	188 - 324	212 / 353	288 / 589	406 / 736
External Static Pressure	In W.c.	0.6	0.6	0.8	0.8
Sound Pressure Level	dB(A)	25 - 36	26 - 38	26 - 39	28 - 42
Dehumidification	pt/hr	1.70	3	3.8	5.3
Condensate Drain Size	in	1	1	1	1
Unit Dimension (WxHxD)	in	32 11/16 x 11 7/8 x 29 11/16	32 11/16 x 11 7/8 x 29 11/16	44 1/2 x 11 7/8 x 29 3/4	44 1/2 x 11 7/8 x 29 3/4
Package Dimension (WxHxD)	in	35 1/4 x 13 5/8 x 31 3/4	35 1/4 x 13 5/8 x 31 3/4	47 5/16 x 13 5/8 x 32	47 5/16 x 13 5/8 x 32
Weight (Net / Gross)	lbs	71 / 84	71 / 84	93 / 107	93 / 107
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 (Powered by the Outdoor Unit)			
LIMITED WARRANTY		5 Years Parts, 7 Years Compressor - Residential & Commercial			