



EFFICIENT AND FLEXIBLE TO FIT YOUR LIFESTYLE

SINGLE-ZONE 230V



ELEVATE THE ATMOSPHERE IN ANY ROOM.

The Energy Star®-compliant* Vireo GEN3 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 25.5 SEER2 / 10.2 HSPF2
- 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 adaptation
- Intelligent preheating
- Easier to Clean/Change Filters
- Optimized Airflow Design
- Timer function
- Remote & wired controller options
- I-Feel function
- Swing louver control
- Privacy lock mode



VIREO GEN3		3VIR09HP230V1**	3VIR12HP230V1**	3VIR18HP230V1**	3VIR24HP230V1**
System Type		HEAT PUMP			
SYSTEM PERFORMANCE		SEE INDIVIDUAL INDOOR UNIT DATA TABLES			
OUTDOOR UNIT		3VIR09HP230V1BO	3VIR12HP230V1BO	3VIR18HP230V1BO	3VIR24HP230V1BO
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		R410A			
Compressor Type		G-10 / 1 - Stage Inverter			
Sound Pressure Level	dB(A)	52	52	59	62
External Dimensions (W x H x D)	in	31 5/8 x 21 7/8 x 13 13/16	31 5/8 x 21 7/8 x 13 13/16	37 3/4 x 26 x 15 7/8	39 3/8 x 29 3/8 x 16 13/16
Package Dimension (W x H x D)	in	34 3/8 x 24 7/16 x 15 11/16	34 3/8 x 24 7/16 x 15 11/16	40 5/8 x 29 1/16 x 18	42 9/16 x 31 15/16 x 19 1/16
Weight (Net / Gross)	lbs	70.6 / 76.1	70.6 / 76.1	98.1 / 106.9	125.7 / 136.7
REFRIGERANT PIPING					
Refrigerant Charge - R410A	oz	35.3	42.3	54.7	60
Additional Charge	oz/ft	0.2	0.2	0.5	0.5
Line Set Size (Liquid - Gas) - Flared Connections	in	LINE SET SIZED BY INDOOR UNIT VALVE SIZE			
Pre-Charge Length	ft	25			
Pipe Length (Min / Max)	ft	10 / 49	10 / 66	10 / 82	10 / 131
Max. Pipe Elevation	ft	33	33	33	82
ELECTRICAL					
Power Supply		208-230V / 1Ph / 60Hz			
Voltage Range (Min - Max)	VAC	187 - 253			
Rated Current - Cooling	A	4.7	6.3	11.5	15.3
Rated Current - Heating	A	6	6.7	11.5	13.5
MCA	A	10	10	14	16
MOCP	A	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		3VIR09HP230V1AH & BH ¹	3VIR12HP230V1AH & BH ¹	3VIR18HP230V1AH & BH ¹	3VIR24HP230V1AH & BH ¹
System Type		HEAT PUMP			
SYSTEM PERFORMANCE					
Cooling Capacity (Min-Max)	Btu/h	9100 (1535 - 10747)	12000 (3071 - 14098)	18000 (5118 - 21154)	22000 (8870 - 28000)
Heating Capacity (Min-Max)	Btu/h	10500 (3412 - 14672)	12000 (3071 - 15501)	18000 (5118 - 21154)	24000 (7200 - 30708)
SEER2 / EER2		25.5 / 14.7	24 / 12.5	23.5 / 13	24.5 / 13.1
HSPF2 / COP		10.2 / 3.9	9 / 3.8	9 / 3.8	9.5 / 3.8
Energy Star®		YES	YES	YES	YES
INDOOR UNIT DATA		3VIR09HP230V1AH & BH¹	3VIR12HP230V1AH & BH¹	3VIR18HP230V1AH & BH¹	3VIR24HP230V1AH & BH¹
Air Flow (Min-Max)	CFM	159 - 353	182 - 424	353 - 618	412 - 677
Sound Pressure Level (Min-Max)	dB(A)	25 - 40	27 - 43	29 - 49	34 - 52
Dehumidification	pt/hr	1.69	2.96	3.80	5.07
External Dimensions (W x H x D)	in	32 1/2 x 11 9/16 x 7 3/4	32 1/2 x 11 9/16 x 7 3/4	38 11/16 x 12 1/4 x 8 3/4	42 3/8 x 13 1/8 x 9 11/16
Package Dimension (W x H x D)	in	34 7/16 x 14 3/8 x 10 9/16	34 7/16 x 14 3/8 x 10 9/16	41 1/8 x 15 3/16 x 11 3/4	44 5/8 x 16 5/16 x 13 1/8
Weight (Net / Gross)	lbs	20.9 / 25.4	20.9 / 25.4	28.7 / 35.3	35.3 / 41.9
REFRIGERANT PIPING					
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4 - 3/8	1/4 - 1/2	1/4 - 5/8	1/4 - 5/8
ELECTRICAL					
Power Supply		208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)			
LIMITED WARRANTY					
5 Years Parts, 7 Years Compressor – Residential & Commercial					

¹AH=MATT FINISH AND BH=SMOOTH FINISH



Suitable for any room; installs easily in suspended ceilings.

CEILING CASSETTE

MODEL		CAS12HP230V1BC	CAS18HP230V1BC	CAS24HP230V1BC
System Type		HEAT PUMP		
SYSTEM PERFORMANCE				
Cooling Capacity (Min - Max)	Btu/h	12000 (900 - 14100)	18000 (5100 - 23200)	22000 (3600 - 26500)
Heating Capacity (Min - Max)	Btu/h	12000 (900 - 15500)	18000 (5800 - 23500)	24000 (4000 - 33000)
SEER2 / EER2		24 / 12.5	19 / 10.3	21 / 13.1
HSPF2 / COP		8.5 / 4	9.5 / 3.3	9.5 / 3.6
Energy Star®		YES	NO	YES
INDOOR UNIT DATA		CAS12HP230V1BC	CAS18HP230V1BC	CAS24HP230V1BC
Air Flow (Min-Max)	CFM	265 - 383	265 - 418	518 - 753
Sound Pressure Level (Min - Max)	dB(A)	34 - 44	35 - 47	36 - 47
Dehumidification	pt/hr	3.0	3.8	5.3
External Dimensions (W x H x D)	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 (W x H x D)	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	55.0 / 66.2	56.3 / 67.3	72.8 / 88.2
CASSETTE GRILLE (Required)		CASGRILLEBSM	CASGRILLEBSM	CASGRILLEBLG
Grille Dimension (W x H x D)	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 (W x H x D)	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 / 11.0	7.7 / 11.0	15.4 / 24.3
REFRIGERANT PIPING				
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4 - 3/8	1/4 - 1/2	3/8 - 5/8
ELECTRICAL				
Power Supply		208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)		
LIMITED WARRANTY				
5 Years Parts, 7 Years Compressor – Residential & Commercial				



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			
SYSTEM PERFORMANCE					
Cooling Capacity (Min - Max)	Btu/h	9100 (2450 - 13300)	12000 (900 - 14100)	18000 (5100 - 21154)	22000 (3600 - 26500)
Heating Capacity (Min - Max)	Btu/h	10500 (2590 - 13300)	12000 (900 - 15500)	18000 (5800 - 21495)	24000 (4000 - 33000)
SEER2 / EER2		19 / 13	18.5 / 11.5	19 / 11.3	20 / 13.1
HSPF2 / COP		9.5 / 3.8	8.5 / 3.5	8.3 / 3.3	9 / 3.5
Energy Star®		YES	NO	NO	YES
INDOOR UNIT DATA		FLR09HP230V1BF	FLR12HP230V1BF	FLR18HP230V1BF	FLR24HP230V1BF
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	3.0	3.8	5.3
External Dimensions (W x H x D)	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 (W x H x D)	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	55.0 / 66.2	55.0 / 66.2	56.3 / 67.3	72.8 / 88.2
REFRIGERANT PIPING					
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8
ELECTRICAL					
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

MODEL		DUCT09HP230V1BD	DUCT12HP230V1BD	DUCT18HP230V1BD	DUCT24HP230V1BD
System Type		HEAT PUMP			
SYSTEM PERFORMANCE					
Cooling Capacity (Min - Max)	Btu/h	9100 (2450 - 13300)	12000 (900 - 14100)	18000 (5118 - 23202)	22000 (3200 - 28000)
Heating Capacity (Min - Max)	Btu/h	10500 (2590 - 13300)	12000 (900 - 15500)	18000 (5800 - 23543)	24000 (4000 - 29000)
SEER2 / EER2		21 / 13.5	20 / 12.5	21 / 12.7	20 / 13.1
HSPF2 / COP		9 / 3.9	8.5 / 3.8	8.3 / 3.7	9 / 3.9
Energy Star®		YES	YES	YES	YES
INDOOR UNIT DATA		DUCT09HP230V1BD	DUCT12HP230V1BD	DUCT18HP230V1BD	DUCT24HP230V1BD
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 (Min - Max)	dB(A)	25 - 36	26 - 38	26 - 39	28 - 42
Dehumidification	pt/hr	1.70	3.0	3.8	5.3
External Dimensions (W x H x D)	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 (W x H x D)	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
REFRIGERANT PIPING					
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4 - 3/8	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8
ELECTRICAL					
Power Supply		208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)			
LIMITED WARRANTY					
5 Years Parts, 7 Years Compressor – Residential & Commercial					