



## NOTABLE COMFORT, UNOBTRUSIVE STYLING



- HIGH EFFICIENCY,  
23 SEER / 10.5 HSPF
- HEATING RANGE:  
-31°F - 75°F
- COOLING RANGE:  
0°F TO 115°F
- SLEEK LOOK TO  
BLEND WITH YOUR  
DECOR
- SUPERIOR CONTROL

### DISCRETE AND ELEGANT DESIGN.

Discrete and elegant design, the Vireo ULTRA unit can cool and heat in extreme conditions... from -31°F to 115°F with utmost energy efficiency. Both sizes include GREE's G10 2 stage / 3 cylinder variable speed compressor technology and are WiFi-optional.



## OUTDOOR UNIT

MODEL		UMAT18HP230V1AO	UMAT24HP230V1AO	UMAT30HP230V1AO	UMAT36HP230V1AO	UMAT42HP230V1AO	UMAT48HP230V1AO
System Type		HEAT PUMP					
<b>SYSTEM PERFORMANCE</b>							
Cooling Capacity (Min-Max)	Btu/h	17100 (5400 - 19800)	23800 (7400 - 29000)	28200 (8800 - 31400)	34000 (10800 - 39000)	39500 (11000 - 41000)	48000 (20400 - 50500)
Heating Capacity (Min-Max)	Btu/h	18800 - (2457 - 11500)	13000 (2388 - 13648)	18000 (4100 - 21000)	24000 (4500 - 25900)	30000 (7848 - 36000)	34600 (8530 - 37020)
Energy Star®		NO					
Cooling Temperature Range	°F	0 - 118					
Heating Temperature Range	°F	0 - 75					
<b>OUTDOOR UNIT</b>							
Compressor Type		GREE G-10 / 2 - STAGE INVERTER					
Sound Pressure Level (Cooling / Heating)	dB(A)	56 / 56	57 / 57	58 / 58	63 / 63	61 / 61	59 / 59
Unit Dimension (WxHxD)	in	37 5/8 x 27 5/8 x 15 5/8	37 5/8 x 27 5/8 x 15 5/8	38 5/8 x 31 1/8 x 16 3/4	43 1/2 x 43.5/16 x 17 5/16	37 13/16 x 53 1/8 x 16 1/8	37 13/16 x 53 1/8 x 16 1/8
Package Dimension (WxHxD)	in	40 7/16 x 29 x 18	42 1/2 x 33 1/8 x 19 1/8	42 1/2 x 33 1/8 x 19 1/8	45 1/2 x 44 x 19	40 5/16 x 54 5/16 x 17 5/16	40 5/16 x 54 5/16 x 17 5/16
Weight (Net / Gross)	lbs	105.8 / 114.7	152.1 / 163.2	158.8 / 169.8	205.1 / 222.7	209.5 / 231.5	231.5 / 253.6
Refrigerant Charge - R410A	oz	49.4	77.6	84.7	123.5	130.5	141.1
Coil Type		Aluminum Fin-Copper Tube / Acrylic Resin Protection					
<b>REFRIGERANT PIPING</b>							
Line Set Size (Liquid - Gas)	in	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
Pre-Charge Length	ft	25					
Pipe Length (Min / Max)	ft	10 / 164	10 / 164	10 / 164	10 / 164	10 / 164	10 / 230
Max. Pipe Elevation	ft	49					
<b>ELECTRICAL</b>							
Power Supply		208-230V / 1Ph / 60Hz					
Rated Current Cooling	amps	12.8	19.4	20	23.8	25.1	34.3
Rated Current Heating	amps	12.3	20.5	21	24.3	24.8	19
MCA	amps	17	24	24	29	31	45
MOCP	amps	25	40	40	45	50	70
Main Power Wire Size	AWG	Per Local Code					
Communication Wire Size	AWG	18 / 2					
LIMITED WARRANTY		5 Years Parts – Residential / 1 Year Parts, 5 Years Compressor – Commercial					

- G10 inverter technology
- Heavy gauge steel cabinet
- Cooling range: -4°F - 115°F
- Eco-friendly R410A refrigerant
- Remote & wired controller options
- Sound levels down to 56 dB(A) on outdoor unit
- Self-diagnosis
- Washable, polymeric air filters
- Automatic voltage adaption
- Multiple fan speeds
- Swing louver control

# SINGLE-ZONE VERSATILITY

## INDOOR UNIT

U-MATCH SYSTEMS featuring the G10 Inverter Heat Pump are the green choice of environmentally-conscious business owners and builders everywhere.



### CEILING CASSETTE

Suitable for any room; installs easily in suspended ceilings.



### UNIVERSAL FLOOR / CEILING

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



### SLIM DUCT

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

## CEILING CASSETTE

MODEL		UMAT18HP230V1AC	UMAT24HP230V1AC	UMAT30HP230V1AC	UMAT36HP230V1AC	UMAT42HP230V1AC	UMAT48HP230V1AC
System Type		HEAT PUMP					
<b>SYSTEM PERFORMANCE</b>							
Cooling Capacity (Min-Max)	Btu/h	17100 (5400 - 18700)	23800 (8200 - 29000)	28200 (8800 - 31400)	34000 (10800 - 39000)	39500 (11000 - 41000)	48000 (20400 - 50500)
Heating Capacity (Min-Max)	Btu/h	18400 (2457 - 11500)	27200 (8200 - 32400)	31200 (8200 - 33600)	41000 (9800 - 49500)	44000 (12000 - 51000)	54500 (17500 - 61500)
SEER / EER		16 / 10.05	18 / 10.65	20 / 10.4	16 / 10.35	16 / 8.95	16 / 8.7
HSPF / COP		9 / 2.7	10 / 3.38	9 / 3.41	9 / 3.2	9 / 2.92	9.3 / 3.32
Energy Star®		NO					
<b>INDOOR UNIT</b>							
Air flow(Nominal)	CFM	760	1300	1500	1860	1860	2300
Sound Pressure Level (Cooling / Heating)	dB(A)	44 - 47 / 44 - 47	42 - 47 / 42 - 47	45 - 49 / 45 - 49	46 - 51 / 46 - 51	46 - 51 / 46 - 51	47 - 53 / 47 - 53
Dehumidification	pt/hr	3.8	5.1	6.3	7.2	7.8	9.5
Condensate Drain Size (OD)	in	1					
Unit Dimension (WxHxD)	in	26 1/8 x 23 7/16 x 9 7/16	36 x 33 1/8 x 9 7/16	36 x 33 1/8 x 12 5/8	36 x 33 1/8 x 12 5/8	36 x 33 1/8 x 12 5/8	36 x 36 x 11 7/16
Package Dimension (WxHxD)	in	30 1/2 x 28 7/8 x 11 1/4	45 1/8 x 37 5/8 x 12 7/8	45 1/8 x 37 5/8 x 16	45 1/8 x 37 5/8 x 16	45 1/8 x 37 5/8 x 16	40 1/4 x 39 x 14 1/4
Weight (Net / Gross)	lbs	20 / 24	27 / 38	32 / 44	32 / 44	32 / 44	43 / 50
<b>REFRIGERANT PIPING</b>							
Line Set Size (Liquid - Gas)	in	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
Pre-Charge Length	ft	25					
Pipe Length (Min / Max)	ft	10 / 164	10 / 164	10 / 164	10 / 164	10 / 164	10 / 230
Max. Pipe Elevation	ft	49					
<b>ELECTRICAL</b>							
Power Supply (Dedicated Circuit)		208-230V / 1Ph / 60Hz					
MCA	amps	1	1	1.5	1.5	1.5	2
MOCP	amps	15					
Main Power Wire Size	AWG	Per Local Code					
LIMITED WARRANTY		5 Years Parts - Residential / 1 Year Parts, 5 Years Compressor - Commercial					
<b>CASSETTE GRILLE (Required)</b>		<b>UMAT18GRILLE</b>	<b>UMAT24GRILLE</b>	<b>UMAT30GRILLE</b>	<b>UMAT36GRILLE</b>	<b>UMAT42GRILLE</b>	<b>UMAT48GRILLE</b>
Grille Dimension (WxHxD)	in	26 7/16 x 26 7/16 x 2	37 1/2 x 37 1/2 x 2 7/16	37 1/2 x 37 1/2 x 2 7/16	37 1/2 x 37 1/2 x 2 7/16	37 1/2 x 37 1/2 x 2 7/16	41 x 41 x 2 5/8
Package Dimension (WxHxD)	in	30 x 30 x 3 1/2	40 5/8 x 40 3/4 x 4 5/8	40 5/8 x 40 3/4 x 4 5/8	40 5/8 x 40 3/4 x 4 5/8	40 5/8 x 40 3/4 x 4 5/8	44 5/8 x 44 5/8 x 5
Weight (Net / Gross)	lbs	3.5 / 5	7 / 11	7 / 11	7 / 11	7 / 11	8 / 12

# UNIVERSAL FLOOR / CEILING

MODEL		UMAT18HP230V1AF	UMAT24HP230V1AF	UMAT30HP230V1AF	UMAT36HP230V1AF	UMAT42HP230V1AF	UMAT48HP230V1AF
System Type		HEAT PUMP					
<b>SYSTEM PERFORMANCE</b>							
Cooling Capacity (Min-Max)	Btu/h	17100 (5400-19800)	23800 (8200 - 27800)	28200 (8800 - 31400)	34000 (10800 - 39000)	39500 (12000 - 42500)	48000 (20400 - 50500)
Heating Capacity (Min-Max)	Btu/h	19100 (4700 - 23200)	27200 (8200 - 30600)	31200 (8200 - 33600)	41000 (9800 - 49500)	44000 (13000 - 52500)	54500 (17500 - 61500)
SEER / EER		17 / 11	16 / 10.65	17 / 10.44	16 / 10.35	16 / 9.75	16 / 8.73
HSPF / COP		9.5 / 3.6	10 / 3.38	9 / 3.54	9 / 3.2	9 / 3.2	9 / 3.48
Energy Star®		NO					
<b>INDOOR UNIT</b>							
Air flow (Min-Max)	CFM	585	705	880	1115	1115	1350
Sound Pressure Level (Cooling / Heating)	dB(A)	32 - 42 / 32 - 42	40 - 48 / 40 - 48	38 - 46 / 38 - 46	46 - 53 / 46 - 53	47 - 54 / 47 - 54	46 - 55 / 46 - 55
Dehumidification	pt/hr	3.40	4.50	5.5	6.80	7.20	8.9
Condensate Drain Size (OD)	in	3/4					
Unit Dimension (WxHxD)	in	48 x 27 5/8 x 8 15/16	48 x 27 5/8 x 8 15/16	55 15/16 x 27 5/8 x 9 5/8	55 15/16 x 27 5/8 x 9 5/8	55 15/16 x 27 5/8 x 9 5/8	66 15/16 x 27 5/8 x 9 5/8
Package Dimension (WxHxD)	in	52 13/16 x 32 5/16 x 11 13/16	52 13/16 x 32 5/16 x 11 13/16	60 13/16 x 32 1/5 x 13	60 13/16 x 32 1/5 x 13	60 13/16 x 32 1/5 x 13	71 15/16 x 32 1/2 x 13
Weight (Net / Gross)	lbs	39 / 48	40 / 50	48 / 56	48 / 56	50 / 58	59 / 68
<b>REFRIGERANT PIPING</b>							
Line Set Size (Liquid - Gas)	in	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
Pre-Charge Length	ft	25					
Pipe Length (Min / Max)	ft	10 / 164	10 / 164	10 / 164	10 / 164	10 / 164	10 / 230
Max. Pipe Elevation	ft	49					
<b>ELECTRICAL</b>							
Power Supply (Dedicated Circuit)		208-230V / 1Ph / 60Hz					
MCA	amps	1	1	2	2	2	3
MOCP	amps	15					
Main Power Wire Size	AWG	Per Local Code					
LIMITED WARRANTY		5 Years Parts - Residential / 1 Year Parts, 5 Years Compressor - Commercial					

# SLIM DUCT

MODEL		UMAT18HP230V1AD	UMAT24HP230V1AD	UMAT30HP230V1AD	UMAT36HP230V1AD	UMAT42HP230V1AD	UMAT48HP230V1AD
System Type		HEAT PUMP					
<b>SYSTEM PERFORMANCE</b>							
Cooling Capacity (Min-Max)	Btu/h	17100 (5400 - 19800)	23800 (7400 - 29000)	28200 (8200 - 29600)	34000 (10800 - 39000)	39500 (12000 - 42500)	48000 (20400 - 49500)
Heating Capacity (Min-Max)	Btu/h	18800 (4700 - 23200)	27200 (8200 - 32400)	31200 (8200 - 33600)	41000 (9800 - 49500)	44000 (13000 - 52500)	54500 (17500 - 58000)
SEER / EER		16/11	16 / 10.65	16 / 8.55	16 / 10.35	16 / 9.5	16 / 9.3
HSPF / COP		9.5 / 3.32	10 / 3.38	9 / 2.96	9 / 3.2	9 / 3.32	9 / 3.1
Energy Star®		NO					
<b>INDOOR UNIT</b>							
Air flow (Min-Max)	CFM	585	820	820	1175	1175	1470
External Static Pressure	In W.c.	0.12	0.3	0.3	0.4	0.4	0.5
Sound Pressure Level (Cooling / Heating)	dB(A)	28 - 39 / 28 - 39	40 - 46 / 40 - 46	40 - 46 / 40 - 46	44 - 52 / 44 - 52	44 - 52 / 44 - 52	45 - 53 / 45 - 53
Dehumidification	pt/hr	3	4	4.6	5.7	6.3	8
Condensate Drain Size (OD)	in	13/16	3/4	3/4	3/4	3/4	3/4
Unit Dimension (WxHxD)	in	40 3/4 x 28 5/16 x 10 7/16	50 7/16 x 22 x 10 5/8	50 7/16 x 22 x 10 5/8	48 1/4 x 30 1/2 x 11 7/16	48 1/4 x 30 1/2 x 11 7/16	52 13/16 x 29 1/2 x 13 13/16
Package Dimension (WxHxD)	in	44 1/8 x 31 5/16 x 12 1/8	53 x 23 7/16 x 10 5/8	53 x 23 7/16 x 10 5/8	52 5/8 x 34 7/16 x 11 7/16	52 5/8 x 34 7/16 x 11 7/16	56 x 32 13/16 x 17 5/16
Weight (Net / Gross)	lbs	72.6 / 83.6	74.8 / 85.8	77 / 85.8	101.2 / 116.6	101.2 / 116.6	123.2 / 154
<b>REFRIGERANT PIPING</b>							
Line Set Size (Liquid - Gas)	in	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
Pre-Charge Length	ft	25					
Pipe Length (Min / Max)	ft	10 / 164	10 / 164	10 / 164	10 / 164	10 / 164	10 / 230
Max. Pipe Elevation	ft	49					
<b>ELECTRICAL</b>							
Power Supply (Dedicated Circuit)		208-230V / 1Ph / 60Hz					
MCA	amps	1	2	2	3	3	5
MOCP	amps	15					
Main Power Wire Size	AWG	Per Local Code					
LIMITED WARRANTY		5 Years Parts - Residential / 1 Year Parts, 5 Years Compressor - Commercial					