



# U Match

INNOVATED DUCTLESS INVERTER HEAT PUMP SOLUTIONS



## U-MATCH INVERTER HEAT PUMP

Each U-Match heat pump is powered by Gree's energy efficient G10 inverter and a variable speed compressor. Our G10 inverter technology saves energy, reduces outdoor noise and keeps room temperature steady by eliminating the harsh starts & stops of conventional systems. And they're available in a full range of capacities to perfectly match any size space, large or small. Best of all, the ultimate in reliable room comfort is generated with Eco friendly R410A refrigerant.

### Features and Benefits:

- G-10 Inverter control
- Heavy Gauge Steel Cabinet
- Sound Levels down to 56 DB
- Low Ambient Cooling down to 5 deg F
- R410A Refrigerant
- Multi-point Diagnostics



Outdoor Unit HP Inverter		UMAT18HP230V1AO	UMAT24HP230V1AO	UMAT30HP230V1AO	UMAT36HP230V1AO	UMAT42HP230V1AO	UMAT48HP230V1AO
System Type		Heat Pump					
Power Supply		208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz
Rated Current Cooling	Amps	12.8	19.4	20.0	23.8	24.3	34.3
Rated Current Heating	Amps	12.3	20.5	21.0	24.3	25.1	33.3
System Performance							
Cooling Capacity (Min-Max)*	Btu/h	17,100 (5,400-18,700)	23,800 (8,200-29,000)	28,200 (8,800-31,400)	34,000 (10,800-39,000)	39,500 (11,000-41,000)	48,000 (20,400-50,500)
Heating Capacity (Min-Max)*	Btu/h	18,400(4,700-22,200)	27,200 (8,200-32,400)	31,200 (8,200-33,600)	41,000 (9,800-49,500)	44,000 (12,000-51,000)	54500 (17,500-61,500)
SEER/EER		16/10.1	16/10.7	20/10.4	16/10.4	16/8.9	16/8.7
HSPF/COP		9/10.2	9/11.5	9/12.5	9/10.9	9/9.8	9/11.3
Outdoor Unit							
Compressor Type		DC Inverter-driven Twin rotary					
Sound Pressure Level	"db(A)"	56	57	58	63	61	59
Unit Dimensions (LxWxH)	inches	37.6 x 27.6 x 15.6	38.6 x 31.1 x 16.8	38.6 x 31.1 x 16.8	43.6 x 43.3 x 17.3	37.7 x 53.1 x 16.2	37.7 x 53.1 x 16.2
Package Dimensions (LxWxH)	inches	40.5 x 29.5 x 18.0	42.6 x 33.7 x 19.2	42.6 x 33.7 x 19.2	45.6 x 48.6 x 19.4	41.1 x 59.1 x 17.8	41.1 x 59.1 x 17.8
Net / Gross Weight	lbs	106/115	152/163	159/180	205/223	210/232	232/254
Refrigerant / Charge	oz.	R410A / 49.4	R410A / 77.6	R410A / 84.7	R410A / 123.5	R410A / 130.5	R410A / 141.1
Line Set Size (Liquid - Suction)	inches	1/4" - 1/2" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared
Pre-Charge	Feet	25	25	25	25	25	25
Max. Line Run	Feet	66	98	98	98	164	164
Max. Elevation	Feet	49	49	49	49	98	98
MCA	Amps	17	24	24	29	31	45
MOCP/Breaker Size	Amps	25	40	40	45	50	70
Interconnecting Wire		AWG14 / 4					
Ambient Cooling Operating Range	°F	0~115					
Ambient Heating Operating Range	°F	0~75					

\*Based on Ceiling Cassette Indoor Unit

## CEILING CASSETTE

Gree's Ceiling Cassette will inconspicuously provide quiet performance through innovative design. The Ceiling Cassette is extremely suitable for any room, and can be easily installed in suspended ceilings with only a discreet decorative discharge grille visible. Gree's fan technology quietly and evenly distributes conditioned air throughout the room, and an internal condensate pump reliably disposes condensate water to a safe location. The Ceiling Cassette is ideal for light commercial applications which require comfort control in large, open spaces. Each Ceiling Cassette can be operated by an infrared remote control or wired tether controller, allowing maximum flexibility for any application.

### Features and Benefits:

- 4 - way Discharge Air
- Multi Speed Fan
- Remote Control Lockout
- Swing Louver
- Cleanable Air Filter
- Decorative Discharge Air Grille (sold separately)
- IR Remote Control and Tether Wired Controller
- Power Failure Recovery
- Internal Condensate Drain Pump
- Sentry Float Switch



Outdoor Unit HP Inverter		UMAT18HP230V1AC	UMAT24HP230V1AC	UMAT30HP230V1AC	UMAT36HP230V1AC	UMAT42HP230V1AC	UMAT48HP230V1AC
System Type		Heat Pump					
Power Supply		208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz
Cooling Capacity (Min-Max)*	Btu/h	17,100 (5,400-18,700)	23,800 (8,200-29,000)	28,200 (8,800-31,400)	34,000 (10,800-39,000)	39,500 (11,000-41,000)	48,000 (20,400-50,500)
Heating Capacity (Min-Max)*	Btu/h	18,400(4,700-22,200)	27,200 (8,200-32,400)	31,200 (8,200-33,600)	41,000 (9,800-49,500)	44,000 (12,000-51,000)	54,500 (17,500-61,500)
Airflow (max)	CFM	445	765	880	1,095	1,095	1,350
Sound Pressure Level (H/MH/ML/L)	db (A)	47/46/44/37	47/46/42/38	49/48/45/40	51/49/46/43	51/49/46/43	53/52/47/41
Unit Dimensions (LxWxH)	inches	26.2 x 23.5 x 9.4	36.1 x 33.1 x 9.4	36.1 x 33.1 x 12.6	36.1 x 33.1 x 12.6	36.1 x 33.1 x 12.6	35.8 x 35.8 x 11.4
Package Dimensions (LxWxH)	inches	30.4 x 28.9 x 11.8	45.2 x 37.7 x 13.4	45.2 x 37.7 x 16.5	45.2 x 37.7 x 16.5	45.2 x 37.7 x 16.5	40.3 x 39.1 x 14.8
Net / Gross Weight	lbs	44/53	60/84	71/97	71/97	71/97	95/110
Line Set Size (Liquid - Suction)	inches	1/4" - 1/2" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared
Part Number		Decorative Discharge Grille					
Unit Dimensions (LxWxH)	inches	UMAT18GRILLE	UMAT24GRILLE	UMAT30GRILLE	UMAT36GRILLE	UMAT42GRILLE	UMAT48GRILLE
Package Dimensions (LxWxH)	inches	26.4 x 26.4 x 2.0	37.5 x 37.5 x 2.4	37.5 x 37.5 x 2.4	37.5 x 37.5 x 2.4	37.5 x 37.5 x 2.4	40.9 x 40.9 x 2.6
Net / Gross Weight	lbs	30.0 x 30.0 x 4.1	40.7 x 40.9 x 5.2	40.7 x 40.9 x 5.2	40.7 x 40.9 x 5.2	40.7 x 40.9 x 5.2	44.8 x 44.8 x 5.5
Net / Gross Weight	lbs	8/11	15/24	15/24	15/24	15/24	18/27



## SLIM DUCT

Compact and powerful, the Gree Concealed Duct indoor units offer the ultimate in flexibility and discretion. These slim indoor units are designed to be concealed above suspended ceilings or within open closet spaces to deliver conditioned air via ducting and suitable ceiling or wall grilles. This arrangement provides immense flexibility, in terms of both the distribution of conditioned air and the type of grille or diffuser that best compliments the room's styling. Each unit comes with an easy to operate wall mounted tether controller.

### Features and Benefits:

- Medium Static Pressure Capability
- Slim Line Construction 7-7/8" high
- Flexible Return Air From Bottom or Rear
- Internal Condensate Drain Pump
- Sentry Float Switch
- Environmentally Safe R-410A Refrigerant

Outdoor Unit HP Inverter	UMAT18HP230V1AD	UMAT24HP230V1AD	UMAT30HP230V1AD	UMAT36HP230V1AD	UMAT42HP230V1AD	UMAT48HP230V1AD	
System Type	Heat Pump						
Power Supply	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	
Cooling Capacity (Min-Max)*	Btu/h 17,100 (5,400-19,800)	23,800 (7,400-29,000)	28,200 (8,200-29,600)	34,000 (10,800-39,000)	39,500 (12,000-42,500)	48,000 (20,400-49,500)	
Heating Capacity (Min-Max)*	Btu/h 18,800(4,700-23,200)	27,200 (8,200-32,400)	31,200 (8,200-33,600)	41,000 (9,800-49,500)	44,000 (13,000-52,500)	54,500 (17,500-58,000)	
Airflow (max)	CFM 585	820	820	1,175	1,175	1,470	
Sound Pressure Level (H/MH/ML/L)	db (A) 40/39/36/28	47/46/44/40	47/46/44/40	53/52/48/44	53/52/48/44	55/53/49/45	
Unit Dimensions (LxWxH)	inches 40.8 x 28.4 x 10.5	50.4 x 22.0 x 10.6	50.4 x 22.0 x 10.6	48.3 x 30.5 x 11.4	48.3 x 30.5 x 11.4	52.8 x 29.5 x 13.8	
Package Dimensions (LxWxH)	inches 44.2 x 31.4 x 12.7	53.1 x 23.5x 11.1	53.1 x 23.5x 11.1	52.7 x 34.5 x 12.0	52.7 x 34.5 x 12.0	56.0 x 33.0 x 17.0	
Net / Gross Weight	lbs 73/84	75/86	75/86	101/117	101/117	124/143	
Line Set Size (Liquid - Suction)	inches 1/4" - 1/2" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	



## UNIVERSAL FLOOR/CEILING

Gree's Universal Floor/Ceiling indoor units are designed to be suspended from a ceiling or mounted low on a wall. The slender and lightweight design is perfect for restaurants or hallways where wall space is limited. Aesthetically pleasing to the eye, the Universal Floor/Ceiling units are a great fit beneath windows, in public or light commercial applications. Each unit can be operated by an infrared remote control or wired tether controller to allow maximum flexibility in any application.



### Features and Benefits:

- 4-way Discharge Air
- Multi Speed Fan
- IR Remote Control
- Tether Wired Controller
- Swing Louver
- Remote Control Lockout
- Power Failure Recovery

Outdoor Unit HP Inverter	UMAT18HP230V1AF	UMAT24HP230V1AF	UMAT30HP230V1AF	UMAT36HP230V1AF	UMAT42HP230V1AF	UMAT48HP230V1AF	
System Type	Heat Pump						
Power Supply	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	
Cooling Capacity (Min-Max)*	Btu/h 17,100 (5,400-19,800)	23,800 (8,200-27,800)	28,200 (8,800-31,400)	34,000 (10,800-39,000)	39,500 (12,000-42,500)	48,000 (20,400-50,500)	
Heating Capacity (Min-Max)*	Btu/h 19,100(4,700-23,200)	27,200 (8,200-30,600)	31,200 (8,200-33,600)	41,000 (9,800-49,500)	44,000 (13,000-52,500)	54,500 (17,500-61,500)	
Airflow (max)	CFM 585	705	880	1,115	1,115	1,350	
Sound Pressure Level (H/MH/ML/L)	db (A) 44/42/38/32	49/48/46/40	49/46/44/38	54/53/51/46	55/54/52/47	56/55/50/46	
Unit Dimensions (LxWxH)	inches 40.8 x 27.6 x 8.9	40.8 x 27.6 x 8.9	55.9 x 27.6 x 9.6	55.9 x 27.6 x 9.6	55.9 x 27.6 x 9.6	66.9 x 27.6 x 9.6	
Package Dimensions (LxWxH)	inches 52.9 x 32.4 x 12.4	52.9 x 32.4 x 12.4	60.9 x 32.6x 13.6	60.9 x 32.6x 13.6	60.9 x 32.6x 13.6	72.0 x 32.6x 13.6	
Net / Gross Weight	lbs 86/106	88/110	106/124	106/123	110/128	130/150	
Line Set Size (Liquid - Suction)	inches 1/4" - 1/2" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	



## A COMPANY FOUNDED ON QUALITY AND VALUE

GREE Electric Appliances, Inc. is the world's largest specialized air conditioner manufacturer, selling more than 100 million units in over 100 countries since 1991. The GREE brand is world-renowned for engineering 7,000 different models in 20 product categories, developing 3,000 worldwide technical patents and pioneering the Variable Refrigerant Flow system that has revolutionized modern day comfort.

GREE prides itself on the reliability and quality of its products. World class, state-of-the-art quality control methods are employed throughout the manufacturing process, including the use of a separate plant where all key components are pre-tested. More than 1,000 Research & Development technicians spend each day pursuing new and innovative designs as a commitment to ensuring customers always receive the highest quality for the best value in the world.

For more information visit:  
[greepr.com](http://greepr.com)

