

## HIGH STATIC SLIM DUCT SYSTEM



- HIGH STATIC, SLIM DUCT SINGLE-ZONE SYSTEM
- HIGH EFFICIENCY, 16 SEER / 15 HSPF
- ULTIMATE INTERIOR FLEXIBILITY
- IDEAL FOR RESIDENTIAL AND COMMERCIAL SPACES

### POWERFUL, FLEXIBLE AIR DISTRIBUTION WITH SLIM DUCT DISCRETION.

This 1:1 system allows for a compact, unobtrusive footprint and easy installation. The G-10 Inverter technology delivers precise, efficient temperature control with flexible return air options (bottom or rear).

- Sound levels down to 56 dB(A) on outdoor units
- Cooling range: 0°F - 115°F
- Acrylic resin coil coating
- Self-Diagnosis & intelligent defrost
- Internal condensate pump & float switch included
- Maximum pipe length of 165 ft - 230 ft to fit a wide range of applications
- XK60 wired controller
- High external static capability for: healthier air filtration, quieter operation, improved air distribution, and a more aesthetic concealed "look"



MODEL		UMAT18HP230V1B	UMAT24HP230V1B	UMAT30HP230V1B	UMAT36HP230V1B	UMAT42HP230V1B	UMAT48HP230V1B
System Type		HEAT PUMP					
<b>SYSTEM PERFORMANCE</b>							
SEER / EER		16 / 11.03	16 / 10.35	16 / 8.29	16 / 9.44	16 / 10.25	16 / 9.6
HSPF / COP		9 / 3.5	9 / 3.2	9 / 2.95	9 / 3.53	9 / 3.21	9 / 3
Energy Star®		NO					
Cooling Temperature Range	°F	0 - 115					
Heating Temperature Range	°F	0 - 75					
<b>INDOOR UNIT</b>		<b>UMAT18HP230V1BD</b>	<b>UMAT24HP230V1BD</b>	<b>UMAT30HP230V1BD</b>	<b>UMAT36HP230V1BD</b>	<b>UMAT42HP230V1BD</b>	<b>UMAT48HP230V1BD</b>
Cooling Capacity (Min-Max)	Btu/h	17100 (5400 - 19800)	23800 (8200 - 29000)	29000 (8200 - 29600)	34000 (16000 - 42500)	41000 (12000 - 42500)	48000 (13400 - 50000)
Heating Capacity (Min-Max)	Btu/h	19100 (47007 - 23200)	27200 (8200 - 32400)	31200 (8200 - 33600)	41000 (14600 - 50400)	47000 (13000 - 52500)	51000 (13000 - 58000)
Air flow (Min-Max)	CFM	585	820	820	1175	1295	1175
External Static Pressure	In W.c.	0.4	0.8	0.8	0.8	0.8	0.8
Sound Pressure Level (Cooling / Heating)	dB(A)	28 - 40 / 28 - 40	40 - 47 / 40 - 47	40 - 47 / 40 - 47	41 - 48 / 41 - 48	43 - 50 / 43 - 50	44 - 51 / 44 - 51
Dehumidification	pt/hr	2.96	4.02	4.7	6.13	6.34	11.4
Condensate Drain Size	in	13/16					
Unit Dimension (WxHxD)	in	50 3/8 x 10 9/16 x 22	48 1/4 x 11 3/8 x 30 1/2	48 1/4 x 11 3/8 x 30 1/2	52 13/16 x 13 13/16 x 29 1/2	52 13/16 x 13 13/16 x 29 1/2	59 1/16 x 15 3/8 x 31 1/2
Package Dimension (WxHxD)	in	53 1/16 x 11 1/8 x 23 1/2	52 11/16 x 12 x 34 1/2	52 11/16 x 12 x 34 1/2	56 x 17 15/16 x 32 15/16	56 x 17 15/16 x 32 15/16	62 1/8 x 18 9/16 x 34 1/4
Weight (Net / Gross)	lbs	77 / 83.6	108 / 126	108 / 126	130 / 157	137 / 163	172 / 225
Power Supply (Dedicated Circuit)		208-230V / 1Ph / 60Hz					
MCA	amps	2	2	2	5	5	5
MOCP	amps	15	15	15	15	15	15
Main Power Wire Size	AWG	Per Local Code					
<b>OUTDOOR UNIT</b>		<b>UMAT18HP230V1B0</b>	<b>UMAT24HP230V1B0</b>	<b>UMAT30HP230V1B0</b>	<b>UMAT36HP230V1B0</b>	<b>UMAT42HP230V1B0</b>	<b>UMAT48HP230V1B0</b>
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Compressor Type		GREE G-10 / 2 - STAGE INVERTER					
Sound Pressure Level (Cooling / Heating)	dB(A)	55 / 55	55 / 55	55 / 55	60 / 60	59 / 59	61 / 61
Unit Dimension (WxHxD)	in	37 5/8 x 15 5/8 x 27 5/8	38 5/8 x 16 3/4 x 31 1/8	38 5/8 x 16 3/4 x 31 1/8	43 1/2 x 17 3/8 x 43 11/16	37 7/8 x 16 1/8 x 53 1/8	37 7/8 x 16 1/8 x 53 1/8
Package Dimension (WxHxD)	in	40 7/16 x 29 x 18	42 1/2 x 19 1/8 x 33 1/8	42 1/2 x 19 1/8 x 33 1/8	45 1/2 x 19 x 44	40 3/8 x 17 3/8 x 54 3/8	40 3/8 x 17 3/8 x 54 3/8
Weight (Net / Gross)	lbs	108 / 115	150 / 161	154 / 165	223 / 247	236 / 260	236 / 260
Power Supply		203-230V / 1Ph / 60Hz					
Rated Current Cooling	amps	13.5	19	20	26	28	32
Rated Current Heating	amps	13	19	20	24	29	31
MCA	amps	15.3	23.4	23.4	29.5	31.5	32.5
MOCP	amps	25	35	35	50	50	50
Main Power Wire Size	AWG	Per Local Code					
Communication Wire Size	AWG	18 / 2					
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 / 230	10 / 230	10 / 230
Max. Pipe Elevation	ft	49					
LIMITED WARRANTY		5 Years Parts... Residential / 1 Year Parts, 5 Years Compressor - Commercial					