



SINGLE ZONE SYSTEMS, RESIDENTIAL & LIGHT COMMERCIAL



SINGLE ZONE SYSTEMS													
	Indoor Model No.	Outdoor Model No.	Capacity (Btu)	SEER / EER	HSPF / COP	Cooling Range (°F)	Heating Range (°F)	MCA / MOCP		Line Set (Port) Size	Max Line Length	Max Lift/ Drop From Outdoor To Indoor Unit	WiFi
LIVO+ & LIVO GEN3													
	LIVS09HP115V1BH	LIVS09HP115V1BO	9K	16 / 9.55	9 / 3.3	0 - 115	-4 - 75	17 / 25	No	1/4 x 3/8	49'	33'	Add-On
	LIVS12HP115V1BH	LIVS12HP115V1BO	12K	16 / 10.55	9 / 3.1	0 - 115	-4 - 75	20 / 30	No	1/4 x 3/8	66'	33'	Add-On
	LIVV09HP230V1AH	LIVV09HP230V1AO	9K	17 / 10.25	9 / 3.6	0 - 115	-4 - 75	10 / 15	No	1/4 x 3/8	49'	33'	Add-On
	LIVV12HP230V1AH	LIVV12HP230V1AO	12K	17 / 9.25	9 / 3.25	0 - 115	-4 - 75	9 / 15	No	1/4 x 3/8	66'	33'	Add-On
	LIVV18HP230V1AH	LIVV18HP230V1AO	18K	16 / 8.25	9 / 3	0 - 115	-4 - 75	15 / 20	No	1/4 x 1/2	82'	33'	Add-On
	LIVV24HP230V1AH	LIVV24HP230V1AO	24K	19 / 10.95	10 / 3.4	0 - 115	-4 - 75	19 / 30	No	1/4 x 5/8	82'	33'	Add-On
	LIVV30HP230V1AH	LIVV30HP230V1AO	30K	18 / 10.55	9 / 3.3	-4 - 115	-13 - 75	24 / 35	No	1/4 x 5/8	82'	33'	Add-On
	LIVV36HP230V1AH	LIVV36HP230V1AO	36K	18 / 9.21	9 / 2.8	-4 - 115	-13 - 75	24 / 35	No	1/4 x 5/8	82'	33'	Add-On
VIREO+													
115 -1-60	VIR09HP115V1BH	VIR09HP115V1BO	9K	23 / 13	10.5 / 3.1	0 - 115	-4 - 75	12 / 20	Yes	1/4 x 3/8	49'	33'	Add-On
	VIR12HP115V1BH	VIR12HP115V1BO	12K	22 / 12.5	10.2 / 3.6	0 - 115	-4 - 75	17 / 25	Yes	1/4 x 1/2	66'	33'	Add-On
	VIR09HP230V1BH	VIR09HP230V1BO	9K	23 / 14	10.5 / 3.2	0 - 115	-4 - 75	9 / 15	Yes	1/4 x 3/8	49'	33'	Add-On
	VIR12HP230V1BH	VIR12HP230V1BO	12K	22 / 12.5	11 / 3.5	0 - 115	-4 - 75	9 / 15	Yes	1/4 x 1/2	66'	33'	Add-On
	VIR18HP230V1BH	VIR18HP230V1BO	18K	20 / 12.5	10.5 / 4.7	0 - 115	-4 - 75	16 / 25	Yes	1/4 x 5/8	82'	33'	Add-On
	VIR24HP230V1BH	VIR24HP230V1BO	24K	20 / 12.5	10 / 3.4	0 - 115	-4 - 75	20 / 30	Yes	1/4 x 5/8	82'	33'	Add-On
	VIR30HP230V1BH	VIR30HP230V1BO	30K	18 / 10.35	9 / 3	0 - 115	-4 - 75	20 / 30	No	1/4 x 5/8	98'	33'	Add-On
	VIR36HP230V1CH	VIR36HP230V1CO	36K	18 / 8.2	9 / 2.7	0 - 109	-4 - 75	24 / 40	No	1/4 x 5/8	98'	33'	Add-On
SAPPHIRE													
	SAP09HP230V1AH	SAP09HP230V1AO	9K	38 / 16.7	15 / 4.47	0 - 129	-22 - 75	9 / 15	Yes	1/4 x 1/2	49'	33'	Built-In
	SAP12HP230V1AH	SAP12HP230V1AO	12K	30.5 / 15.3	14 / 3.8	0 - 129	-22 - 75	9 / 15	Yes	1/4 x 1/2	98'	49'	Built-In
	SAP18HP230V1AH	SAP18HP230V1AO	18K	24.5 / 13.5	12 / 3.52	0 - 129	-22 - 75	22 / 30	Yes	1/4 x 5/8	131'	66'	Built-In
	SAP24HP230V1AH	SAP24HP230V1AO	24K	21.5 / 13	12 / 3.5	0 - 129	-22 - 75	22 / 35	Yes	1/4 x 5/8	164'	98'	Built-In

ULTRA PRODUCT FOR EXTREME CONDITIONS & HIGH EFFICIENCY													
VIREO+ ULTRA													
	VIRU30HP230V1AH	VIRU30HP230V1AO	30K	23 / 11.2	10.5 / 3.11	0 - 113	-31 - 75	30 / 50	No	1/4 x 5/8	165'	100'	Add-On
	VIRU36HP230V1AH	VIRU36HP230V1AO	36K	23 / 10.25	10.5 / 3.17	0 - 113	-31 - 75	32 / 50	No	1/4 x 5/8	165'	100'	Add-On
SAPPHIRE													
	SAP09HP230V1AH	SAP09HP230V1AO	9K	38 / 16.7	15 / 4.47	0 - 129	-22 - 75	9 / 15	Yes	1/4 x 1/2	49'	33'	Built-In
	SAP12HP230V1AH	SAP12HP230V1AO	12K	30.5 / 15.3	14 / 3.8	0 - 129	-22 - 75	9 / 15	Yes	1/4 x 1/2	98'	49'	Built-In
	SAP18HP230V1AH	SAP18HP230V1AO	18K	24.5 / 13.5	12 / 3.52	0 - 129	-22 - 75	22 / 30	Yes	1/4 x 5/8	131'	66'	Built-In
	SAP24HP230V1AH	SAP24HP230V1AO	24K	21.5 / 13	12 / 3.5	0 - 129	-22 - 75	22 / 35	Yes	1/4 x 5/8	164'	98'	Built-In

NOTES:

- Voltage on all U-Match ID and OD Units: 208/230-1-60
- Wired Controller (XK60) min. wire (AWG): 18/2 THNN 300V Stranded
- Dedicated Indoor Unit Power Wire (AWG): 14 AWG 208/230-1-60

GLOSSARY

AWG: Main Power Wire Size

MCA: Min Circuit Amps

MOCP: Max Over Current Protection (Amps)

E.S.P.: External Static Pressure

HIGH STATIC SLIM DUCT U-MATCH+ SYSTEM (16 SEER)

	Capacity (Btu)	Line Set (Port) Size	Max Elevation	Max Line Length	MCA / MOCP	Min AWG
OUTDOOR MODEL U-MATCH+						
UMAT18HP230V1BO	18K	1/4 x 1/2	49'	164'	16 / 25	10
UMAT24HP230V1BO	24K	3/8 x 5/8	49'	164'	24 / 40	10
UMAT30HP230V1BO	30K	3/8 x 5/8	49'	164'	24 / 40	10
UMAT36HP230V1BO	36K	3/8 x 5/8	49'	230'	45 / 70	8
UMAT42HP230V1BO	42K	3/8 x 5/8	49'	230'	45 / 70	8
UMAT48HP230V1BO	48K	3/8 x 5/8	49'	230'	45 / 70	8

INDOOR MODELS

Slim-Duct, High Static	Capacity (Btu)	SEER / EER	Line Set (Port) Size	MCA / MOCP	E.S.P
UMAT18HP230V1BD	18K	16/10	1/4 x 1/2	2 / 15	0 - .4
UMAT24HP230V1BD	24K	16/10.35	3/8 x 5/8	2 / 15	0 - .8
UMAT30HP230V1BD	30K	16/8.25	3/8 x 5/8	2 / 15	0 - .8
UMAT36HP230V1BD	36K	16/9.45	3/8 x 5/8	2 / 15	0 - .8
UMAT42HP230V1BD	42K	16/10.3	3/8 x 5/8	2 / 15	0 - .8
UMAT48HP230V1BD	48K	16/9.6	3/8 x 5/8	2 / 15	0 - .8

Note: Max elevation on all U-Match systems is 49'



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LIGHT COMMERCIAL APPLICATIONS - The U-MATCH SERIES

	Capacity (Btu)	Line Set (Port) Size	Max Elevation	Max Line Length	MCA / MOCP	Min AWG
OUTDOOR MODEL U-MATCH						
UMAT18HP230V1AO	18K	1/4 x 1/2	49'	164'	17 / 25	10
UMAT24HP230V1AO	24K	3/8 x 5/8	49'	164'	24 / 40	10
UMAT30HP230V1AO	30K	3/8 x 5/8	49'	164'	24 / 40	10
UMAT36HP230V1AO	36K	3/8 x 5/8	49'	164'	29 / 45	8
UMAT42HP230V1AO	42K	3/8 x 5/8	49'	164'	31 / 50	8
UMAT48HP230V1AO	48K	3/8 x 5/8	49'	230'	45 / 70	8
INDOOR MODELS						
Universal Floor Ceiling	Capacity (Btu)	SEER / EER	Line Set (Port) Size		MCA / MOCP	
UMAT18HP230V1AF	18K	17 / 11	1/4 x 1/2	Dedicated Power Supply Size Per Local Code	2 / 15	
UMAT24HP230V1AF	24K	16 / 10.7	3/8 x 5/8		2 / 15	
UMAT30HP230V1AF	30K	17 / 10.4	3/8 x 5/8		2 / 15	
UMAT36HP230V1AF	36K	16 / 10.4	3/8 x 5/8		2 / 15	
UMAT42HP230V1AF	42K	16 / 9.8	3/8 x 5/8		2 / 15	
UMAT48HP230V1AF	48K	16 / 8.7	3/8 x 5/8		2 / 15	
Slim-Duct, Low Static						
E.S.P						
UMAT18HP230V1AD	18K	16 / 11	1/4 x 1/2	Dedicated Power Supply Size Per Local Code	2 / 15	0 - .12
UMAT24HP230V1AD	24K	16 / 10.7	3/8 x 5/8		2 / 15	0 - .3
UMAT30HP230V1AD	30K	16 / 8.6	3/8 x 5/8		2 / 15	0 - .3
UMAT36HP230V1AD	36K	16 / 10.4	3/8 x 5/8		2 / 15	0 - .4
UMAT42HP230V1AD	42K	16 / 9.5	3/8 x 5/8		2 / 15	0 - .4
UMAT48HP230V1AD	48K	16 / 9.3	3/8 x 5/8		2 / 15	0 - .5
Ceiling Cassette						
				Cassette Grilles Required for Operation	Measurements	
UMAT18HP230V1AC	18K	16 / 10.1	1/4 x 1/2	UMAT18GRILLE	26.4 x 2.0 x 26.4	
UMAT24HP230V1AC	24K	18 / 10.7	3/8 x 5/8	UMAT24GRILLE	37.5 x 2.4 x 37.5	
UMAT30HP230V1AC	30K	20 / 10.4	3/8 x 5/8	UMAT30GRILLE	37.5 x 2.4 x 37.5	
UMAT36HP230V1AC	36K	20 / 10.4	3/8 x 5/8	UMAT36GRILLE	37.5 x 2.4 x 37.5	
UMAT42HP230V1AC	42K	16 / 9	3/8 x 5/8	UMAT42GRILLE	37.5 x 2.4 x 37.5	
UMAT48HP230V1AC	48K	16 / 8.7	3/8 x 5/8	UMAT48GRILLE	40.9 x 2.6 x 40.9	

