

#### **Outdoor Units**

Nominal Capacity	SEE2R	EER2	HSPF2	Model Number	Min/Max Connections	Pipe Connections	Max Lift (ft.)	Min Line Length (ft.)	Max Line Length (ft.) (Equivalent)	Factory Charge	MCA	моср	Rec. Breaker	Rated Cooling / Heating Capacity	Operating Range	AHRI Number	Outdoor Di	mensions
Standard F	leating Models (	SYSTEM PER	FORMANCE No	n-Ducted/Ducted/Mixe	d Indoor Units)		Single	e Zone Pipi	ng Rules									
24,000	18/18	10.5/11	8.5/8	GMV-24WL/C-T(U)	1/4	3/8x5/8	98/98	10	328	5.3 lbs.	21	25	25	24,000 / 28,000	-4 - 118°F	204344210 / 202242130	2 / 2.5 Ton	3 / 4 / 5 Ton
28,000	18/16.5	10.5/10	8.5/7.5	GMV-28WL/C-T(U)	1/4	3/8x5/8	98/98	10	328	5.3 lbs.	21	30	30	28,000 / 32,000	-4 - 118°F	204344211 / 202541562	(H x W x D)	(H x W x D)
36,000	22/18	11.5/11	9.8/8.2	GMV-36WL/C-T(U)	1/7	3/8x5/8	164/131	10	394	7.3 lbs.	28.5	35	30	37,600 / 42,000	-4 - 118°F	206335353 / 206335356	31-1/8 x 38-9/16 x 14-3/16	53 x 35-3/8 x 13-3/8
48,000	22/16	10.5/9.2	9.8/8.5	GMV-48WL/C-T(U)	1/8	3/8x5/8	164/131	10	394	7.3 lbs.	33	40	40	48,000 / 54,000	-4 - 118°F	206335354 / 206335357		
60,000	20/18	10.5/10	9.8/8.5	GMV-60WL/C-T(U)	1/10	3/8x3/4	164/131	10	394	10.11 lbs.	34.5	40	40	60,000 / 64,000	-4 – 118°F	206335355 / 206335358		<b>***</b> [
Ultra Heati	ng Models (SYS	TEM PERFOR	MANCE Non-D	ucted/Ducted/Mixed Inc	loor Units)												410	
36,000	23/20.75/18.5	13/12.25/11.5	9/8.85/8.7	GMV-V36WL/C-T(U)	1/5	3/8x5/8	164/131	10	213	8.82 lbs.	33.8	35	40	36,000 / 36,000	-22 - 129°F	211698448 / 213927641 / 211698446		
48,000	22/19.55/17.1	11.5/11/10.5	9.2/8.88/8.55	GMV-V48WL/C-T(U)	1/7	3/8x5/8	164/131	10	213	8.82 lbs.	38.8	40	40	48,000 / 48,000	-22 - 129°F	211698447 / 213927639 / 211698445		
60,000	21/19/17	11/10/9	9.2/8.75/8.3	GMV-V60WL/C-T(U)	1/10	3/8x3/4	164/131	10	213	9.7 lbs.	38.8	40	40	60,000 / 60,000	-22 - 129°F	211694660 / 213927640 / 211698444		

#### **Common Indoor Units**

Wall Mount	Compact Cassette	Standard Cassette	One Way Cassette	Two Way Cassette	Console	Floor Ceiling	Slim Ducted	Multi	Position Air Handler	
<u> </u>								AHU Models		Electric Heater Kit Models
GMV-ND06G/B4B-T(U)	GMV-ND05T/E-T(U)									Reference product
GMV-ND07G/B4B-T(U)	GMV-ND07T/E-T(U)		GMV-ND07TD/A-T(U)		GMV-ND07C/A-T(U)		GMV-ND07PHS/B-T(U)			submittal for Electric
GMV-ND09G/B4B-T(U)	GMV-ND09T/E-T(U)		GMV-ND09TD/A-T(U)	GMV-ND09TS/B-T(U)	GMV-ND09C/A-T(U)		GMV-ND09PHS/B-T(U)	GMV-ND09A/B-T(U)		Heater Kit size
GMV-ND12G/B4B-T(U)	GMV-ND12T/E-T(U)	GMV-ND12T/C-T(U)	GMV-ND12TD/A-T(U)	GMV-ND12TS/B-T(U)	GMV-ND12C/A-T(U)	GMV-ND12ZD/A-T(U)	GMV-ND12PHS/B-T(U)	GMV-ND12A/B-T(U)		requirements
	GMV-ND15T/E-T(U)									
GMV-ND18G/B4B-T(U)	GMV-ND18T/E-T(U)	GMV-ND18T/C-T(U)		GMV-ND18TS/B-T(U)	GMV-ND18C/A-T(U)	GMV-ND18ZD/A-T(U)	GMV-ND18PHS/B-T(U)	GMV-ND18A/B-T(U)	ě	
GMV-ND24G/B4B-T(U)		GMV-ND24T/C-T(U)		GMV-ND24TS/B-T(U)		GMV-ND24ZD/A-T(U)	GMV-ND24PHS/B-T(U)	GMV-ND24A/B-T(U)		FLEXXHTR5KW
GMV-ND30G/B4B-T(U)								GMV-ND30A/B-T(U)		FLEXXHTR8KW
GMV-ND36G/B4B-T(U)		GMV-ND36T/C-T(U)				GMV-ND36ZD/A-T(U)	GMV-ND36PHS/B-T(U)	GMV-ND36A/B-T(U)		FLEXXHTR10KW
								GMV-ND42A/B-T(U)		FLEXXHTR15KW
		GMV-ND48T/C-T(U)				GMV-ND48ZD/A-T(U)	GMV-ND48PHS/B-T(U)	GMV-ND48A/B-T(U)		FLEXXHTR20KW
	Compact Grille	Standard Grille	One Way Grille	Two Way Grille			GMV-ND54PHS/B-T(U)			I LEXXIII I ZORW
	TF05	TF06	TD01	TE03				GMV-ND60A/B-T(U)	1	

#### **Combination Rules**

	Max IDU Connected Capacity (BTU) (125%)*	Min IDU Connected Capacity (BTU) (50%)	Max IDU Connected	Outdoor Unit Model
Use the MultiPRO Selector softwar	30000	12000	4	GMV-24WL/C-T(U)
available at GreeComfort.com for	35000	14000	4	GMV-28WL/C-T(U)
systems using multiple Y-Branche multiple headers, or combinations	45000	18000	7	GMV-36WL/C-T(U)
Y-Branches and Headers.  See "Ba- sic Piping Rules Define	60000	24000	8	GMV-48WL/C-T(U)
below.	75000	30000	10	GMV-60WL/C-T(U)
*For systems above 125%, the	45000	18000	7	GMV-36WL/B-T(U)
MultiPRO Selector software mus	60000	24000	8	GMV-48WL/B-T(U)
be used.	75000	30000	10	GMV-60WL/C-T(U)

### **Control Options**



Wired Controller (Included with all Horizontal Ducted Units and AHU Kits). Optional for all others.



Wireless remote control (Included with Ductless Units).



Inlcuded with Multiposition Air Handler. Optional for Others. Controller with 7-day programmable function, Max. Indoor unit connectable is 16.



Enables centralized local control. Can control and monitor up to 16 MultiPRO Systems with up to 255 indoor units. Expanded option also available. Enables 7-Day programming, grouping, and function lockout.

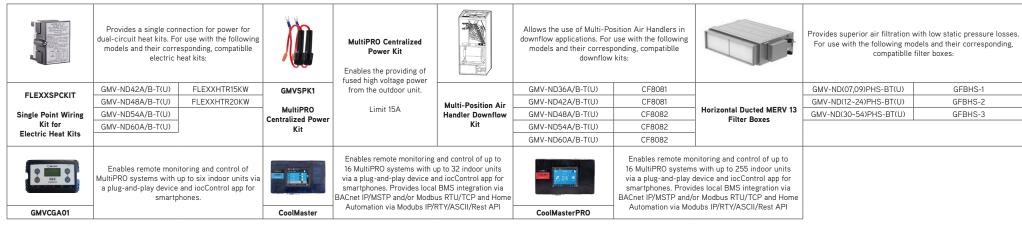


ME32-33/H 24V and Dry Contact Adapter

Enables the use of third-party 24V thermostat and other control systems that utilizes dry contacts.

# GREE MINI

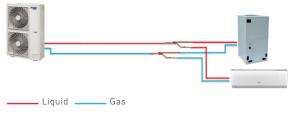
#### **Accessories**



#### Refrigerant Piping Installation Guidelines & Descriptions

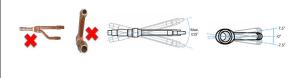
# Refrigerant Piping

- Heat Pump has two pipes, liquid and gasBoth must be insulated
- Dotti made De modiated
- System mode is set by a user-determined Main indoor unit
- Twenty inches must be maintained between elbows, headers, and Y-Branches



#### Y-Branches

- Specially designed for even distribution of refrigerant
- Each kit includes one Y-Branch for gas and one Y-Branch for liquid
- · Simply use a tubing cutter for larger line sets
- If installed horizontally, they must be level
- If installed vertically, they must be plumb
- FQ01A/A is used for downstream capacities of less than 68kBtu
- FQ01B/A is used for downstream capacities of more than 68kBtu

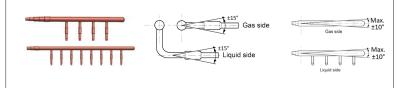


#### Headers

- Specially designed for even distribution of refrigerant and oil
- Each kit includes one Header for gas and one Heade for liquid
- Simply use a tubing cutter for larger line sets

DUAL AND MULTIZONE

- Must be installed horizontally and they must be level
- · Liquid header is built with downward facing offset for installation next to gas header
- FQ14/H1 is used for 4 units or less
- FQ18/H1 is used for 8 units or less



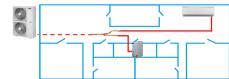
## Basic Piping Rules Defined

Note: The following is a basic set of rules for piping lengths. The MultiPRO systems are capable of far greater lengths and more complex configurations. Use our MultiPRO System Builder, MultiPRO Selector, or see installation manual for more details.

Single Zone Piping Limits	2 and 2.5T 3, 4, and 5T 3, 4, and 5T			Single Zone MultiPRO  The piping sizes are determined by ODU						
		Standard	Ultra	Model	Liquid	Gas				
Max Length ODU		1001	0.00	2 Ton Outdoor Unit	3/8"	5/8"				
to IDU: (Actual)	394'	492'	213'	2.5 Ton Outdoor Unit	3/8"	5/8"				
Max Height ODU	98'	164'	164'	3 Ton Outdoor Unit	3/8"	5/8"				
Above IDU:  Max Height ODU  OU  ADU  ADU  ADU  ADU  ADU  ADU  A		4 Ton Outdoor Unit	3/8"	5/8"						
Below IDU:	98'	131'	131'	5 Ton Outdoor Unit	3/8"	3/4"				
				If necessary, reduce the piping size at the indoor	unit					
<u></u>										

Dual/Multi Zone Piping Limits	2 and 2.5T	3, 4, and 5T		
Max Length IDU to Y-Branch or Header:	98'	98'		
Max Height IDU to Y-Branch or Header:	50'	50'		
Max Height ODU Above IDU:	98'	98'		
Max Height ODU Below IDU:	98'	98'		

Note: these are basic limitations. Actual limitations are far greater. Use MultiPRO System Builder, MultiPRO Selector, or see installation manuals for more details.



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Dual and Multi Zone MultiPRO								
Model	Liquid	Gas		Model	Liquid	Gas		
2 Ton Outdoor Unit	3/8"	5/8"		5 to 9kBtu	1/4"	3/8"		
2.5 Ton Outdoor Unit	3/8"	5/8"		12 to 15kBtu	1/4"	1/2"		
3 Ton Outdoor Unit	3/8"	5/8"		18 to 48kBtu	3/8"	5/8"		
4 Ton Outdoor Unit	3/8"	5/8"		54 and 60kBtu	3/8"	3/4"		
5 Ton Outdoor Unit	3/8"	3/4"	1 [	Above 60kBtu	N/A	N/A		

If necessary, reduce the piping size at the indoor unit.

