



# Atom T Series

## R32 Mini VRF



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Perfect for commercial and residential applications:  
small offices, villas, apartments, shops, etc.

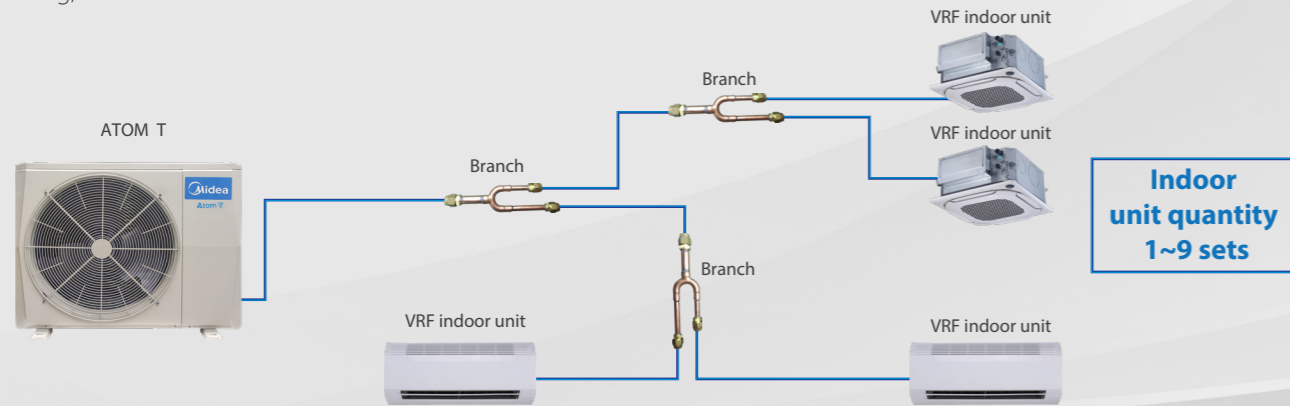
## R32 Refrigerant

R-32 is a kind of refrigerant that does not destroy the ozone layer and does not produce carb, which is more friendly to the environment.



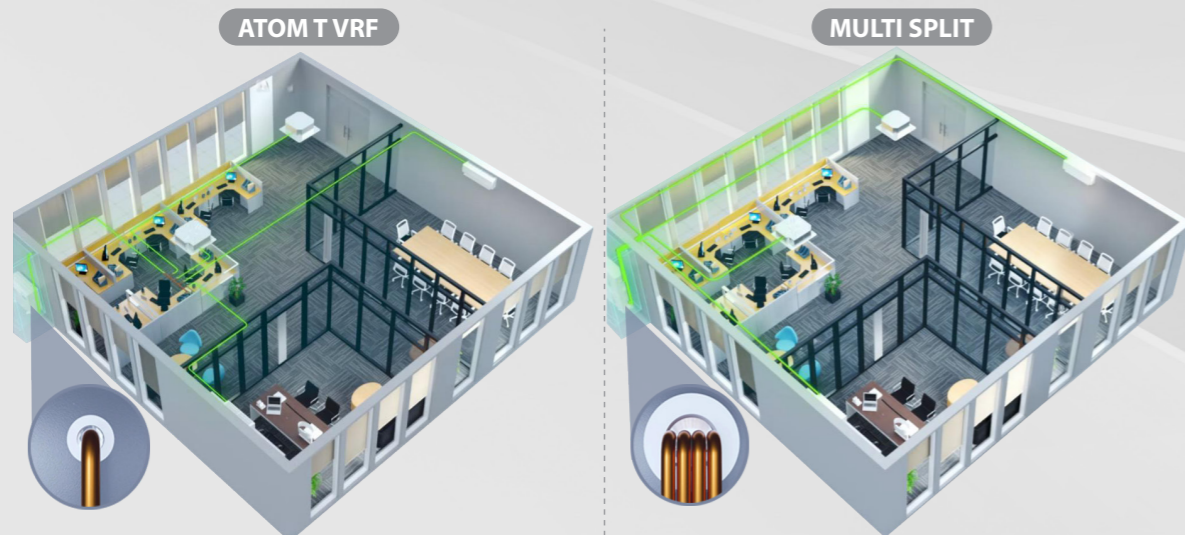
## 1 to 9 Indoor Units Connection

A single outdoor unit supports 1 to 9 indoor units, freeing up considerable space outside. Use your backyard more wisely with much more space available created by less number of outdoor units. And ATOM T VRF is an option to use flare connections, or welding, which makes VRF IDU installation easier.



## Less required space for installation

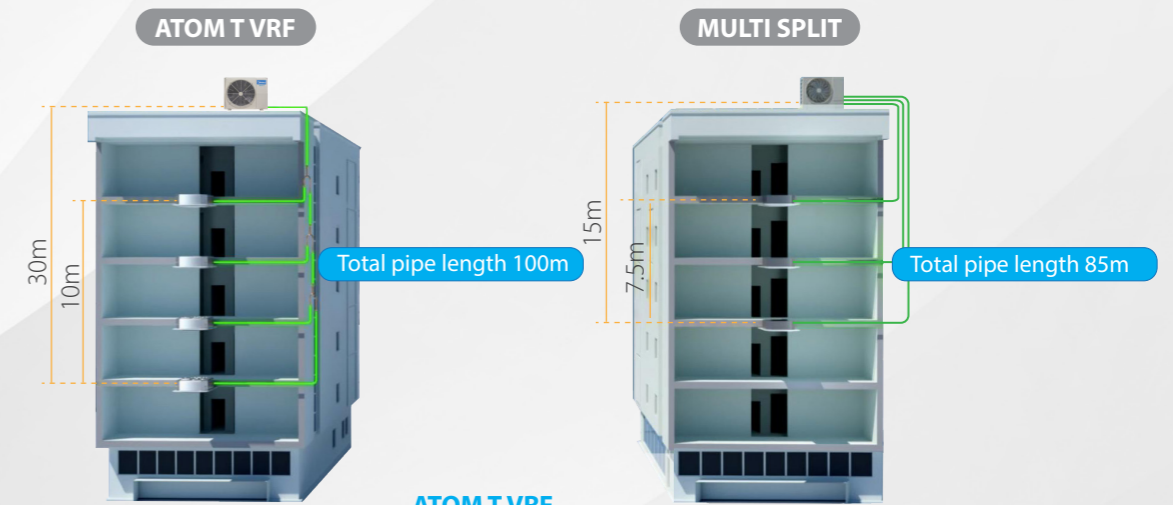
Comparing with multi split, ATOM T VRF has some distinctive advantages: less pipe space requirement, less pipe consumption, no special requirement for pipe holes.



**Pipe consumption 50% less than Multi Splits**

## Longer piping capability

For total pipe length, ATOM T VRF can reach at 100m, while Multi Split 85m at most. Longer piping capability allows more flexible installation design, which will facilitate installation a lot.



**ATOM T VRF**  
Longer piping capability allows more flexible installation design

## Lineup

### ATOM T Outdoor Unit

Capacity range:  
8/10/12/14/16kW (5 models)



### ATOM T Indoor Unit

Compact Four-way Cassette  
Capacity range:  
1.5/2.2/2.8/3.6/4.5kW (5 models)

### Duct

Capacity range:  
1.5/1.8/2.2/2.8/3.6/4.5/5.6/7.1/8.0/9.0/11.2/12.5/14kW(13 models)

### Wall Mounted

Capacity range:  
2.2/2.8/3.6/4.5/5.6/7.1/8.0kW (7 models)

## Specifications

### Outdoor Unit

ODU Model			MDV-V80WHN8(At)	MDV-V100WHN8(At)	MDV-V120WHN8(At)	MDV-V140WHN8(At)	MDV-V160WHN8(At)
Power supply		V/N/Hz	220-240/1/50				
Cooling	Capacity	kW	7.2	9	12.3	14	15.5
		kBtu/h	24	30	41	47	52
	Input	kW	2.23	2.73	3.81	4.33	4.80
	EER		3.23	3.3	3.23	3.23	3.23
Heating	Capacity	kW	7.2	9	12.3	14	15.5
		kBtu/h	24	30	41	47	52
	Input	kW	1.92	2.37	3.28	3.60	3.88
	COP		3.75	3.8	3.75	3.89	4
SEER			5.2	5.3	7.36	7.1	6.91
SCOP			3.8	3.8	4.27	4.45	4.75
Connected indoor unit of ODU capacity			50%~130% of ODU capacity				
Maximum IDU quantity			4	6	7	8	9
Refrigerant type			R32				
Sound power(cooling/heating)			65/65	66/66	68/70	68/70	69/70
Ambient temp. operation range	Cooling (DB)	°C	-15~46		-15~55		
	Heating(DB)	°C					-20~27

Note: These products are under development and the specifications are always subject to change.