Atom T Series

R32 Mini VRF



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

Midea Building Technologies Division

Midea Group

Add.: Midea Headquarters Building, 6 Midea Avenue, Shunde, Foshan, Guangdong, China

Postal code: 528311

mbt.midea.com www.midea-group.com

Midea reserves the right to change the specifications of the product, and to withdraw or replace products without prior notification or public announcement. Midea is constantly developing and improving its products.

Quality Assurance ISO 9001

Environmental Management ISO 14001

Occupational Health and Safety Management ISO 45001

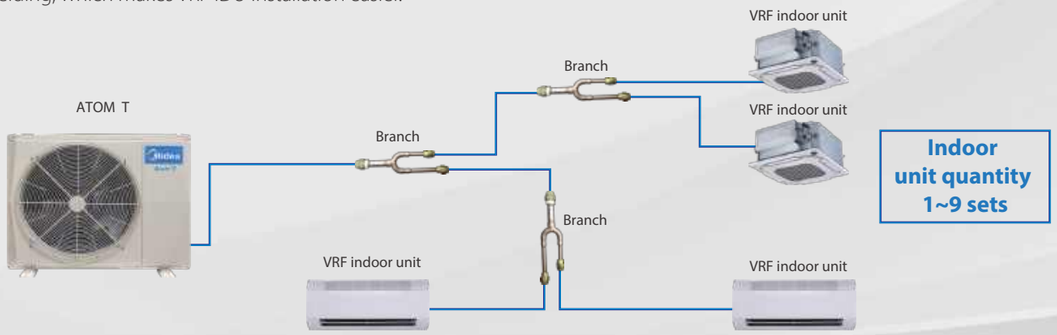
R32 Refrigerant

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.



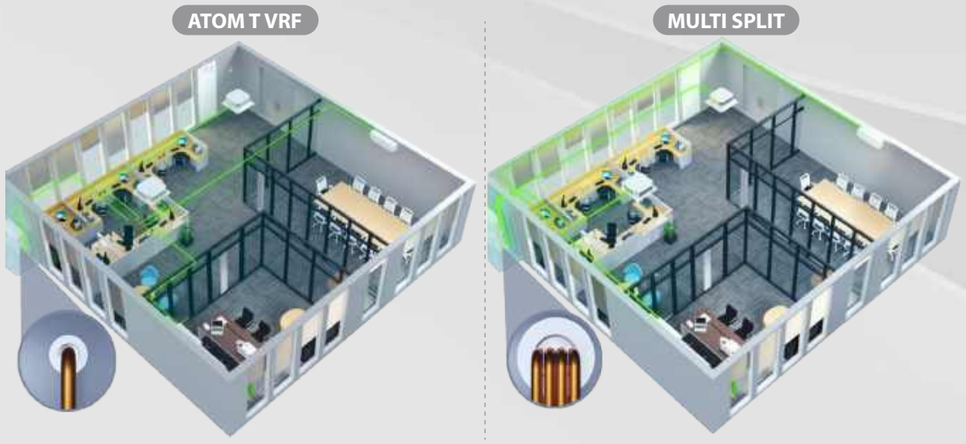
1 to 9 Indoor Units Connection

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

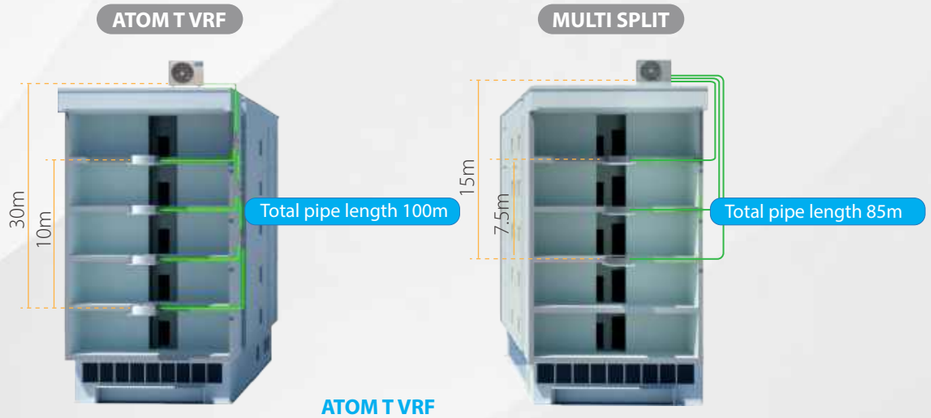
Comparing with multi split, ATOM T VRF has some distinctive advantages: less pipe space requirement, less pipe consumption, no special requirement for pipe holes.



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.	Cooling (DB)	℃	-15~46	-15~55			
operation range	Heating(DB)	℃	-20~27			-20~27	

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