

Specification

AtomC Series – Cooling Only

Sale Model			MDVC-V12WDHN1(AtC)	MDVC-V18WDHN1(AtC)	MDVC-V24WDHN1(AtC)
Power supply			220-240V- 50/60Hz		
Cooling¹	Capacity	kW	3.5	5.3	7.1
		kBtu/h	12	18	24
	Input	kW	0.94	1.47	1.78
		EER	3.72	3.61	4.00
Connected indoor unit	Total capacity		50%-130% of ODU capacity		
	Maximum quantity		3	3	4
Compressor	Type		DC inverter		
	Quantity		1		
Fan	Type		DC		
	Quantity		1		
Refrigerant	Type		R410A		
	Factory charge	kg	1.45	1.45	1.33
Pipe connections³	Gas pipe	mm	φ12.7	φ12.7	φ15.9
	Liquid pipe	mm	φ6.35	φ6.35	φ9.52
Sound pressure level		dB(A)	51	51	51
Outdoor Unit	Dimension(WxHxD)	mm	845x555x360	845x555x360	920×712×346
	Packing (WxHxD)	mm	915x630x420	915x630x420	1048×810×485
	Net/Gross weight	kg	35/38	35/38	45.5/51.5
Ambient temp. operation range		Cooling (DB)	°C		

Sale Model			MDVC-V28W DHN1(AtC)	MDVC-V36W DHN1(AtC)	MDVC-V42W DHN1(AtC)	MDVC-V48W DHN1(AtC)	MDVC-V56W DHN1(AtC)	MDVC-V60W DHN1(AtC)
Power supply			220-240V- 50/60Hz					
Cooling¹	Capacity	kW	8	10	12	14	16	17.5
		kBtu/h	27	34	41	47	54	59
	Input	kW	2.00	2.55	3.10	3.88	4.80	5.20
		EER	4.00	3.92	3.87	3.61	3.33	3.37
Connected indoor unit	Total capacity		50%-130% of ODU capacity					
	Maximum quantity		4	6	7	8	9	9
Compressor	Type		DC inverter					
	Quantity		1					
Fan	Type		DC					
	Quantity		1					
Refrigerant	Type		R410A					
	Factory charge	kg	1.33	1.56	1.85	2.35	2.45	2.85
Pipe connections⁵	Gas pipe	mm	φ15.9	φ15.9	φ15.9	φ15.9	φ19.1	φ19.1
	Liquid pipe	mm	φ9.52	φ9.52	φ9.52	φ9.52	φ9.52	φ9.52
Sound pressure level		dB(A)	51	52	54	56	56	57
Outdoor Unit	Dimension(WxHxD)	mm	920×712×346	920×712×346	920×712×346	950x840x360	950x840x360	950x840x360
	Packing (WxHxD)	mm	1048×810×485	1048×810×485	1048×810×485	1025x950x510	1025x950x510	1025x950x510
	Net/Gross weight	kg	45.5/51.5	48.5/52.5	51.0/55.0	63.0/74.5	69.0/80.5	70.0/81.5
Ambient temp. operation range		Cooling (DB)	°C					

Notes:
1.Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference;
2. Sound pressure level is measured at a position 1m in front of the unit and 1m above the floor in a semi-anechoic chamber.

Specification

One-Way Cassette MI2-**Q1DHN18(At)

Model index		06	07	09	12	15	18	24
Power supply		1 phase, 220-240V, 50/60Hz						
Cooling capacity	kW/kBtu/h	1.8/6.0	2.2/7.0	2.8/9	3.6/12	4.5/15	5.6/19	7.1/24
Heating capacity	kW/kBtu/h	2.0/6.8	2.5/8.0	3.2/10	4.0/13	5.0/17	6.3/21	8.0/27
Indoor air flow	m³/h	300/283/266/250 /233/216/200	400/375/350/325/ 300/275/250	550/516/483/450/416/383/350	850/791/733/675 /616/558/500	1000/941/883/825 /766/708/650	1050/1000/950/900 /850/800/750	
Sound pressure level	dB(A)	28/27/26/26 /25/24/24	32/31/30/29 /28/27/26	33/32/31/30 /29/28/27	36/34/33 /32/30/29/28	39/37/36/35 /33/32/31	44/42/41/40 /38/37/36	47/45/44 /43/42/41/40

Compact Four-way Cassette MI2-**Q4CDHN18(At)

Model index		05	07	09	12	15	18	21
Power supply		1 phase, 220-240V, 50/60Hz						
Cooling capacity	kW/kBtu/h	1.5/5	2.2/7	2.8/9	3.6/12	4.5/15	5.6/18	6.3/21
Heating capacity	kW/kBtu/h	1.8/6	2.4/8	3.2/10	4.0/13	5.0/17	6.3/21	7.1/24
Indoor air flow	m³/h	470/441/406/380/349/315/293	542/506/477/444 /409/374/341	517/484/449/417 /383/348/315	650/608/569/526 /484/444/405	794/741/692/641 /591/540/490	901/848/790/736 /678/623/569	
Sound pressure level	dB(A)	30/29/3/28.7/28/27.3/26.7/26	32/31/30/29/28/ 27/26	32/31/30/29/28/ 27/26	36.5/35.1/33.7/32.3 /30.8/29.4/28	40/38.7/37.3/36/34.7 /33.3/32	43/41.4/39.8/38.3 /36.7/35.1/33.5	

Four-way Cassette MI2-**Q4DHN18(At)

Model index		09	12	15	18	24	28	32	36	40	48	56	60
Power supply		1-phase, 220-240V, 50/60Hz											
Cooling capacity	kW/kBtu/h	2.8/9	3.6/12	4.5/15	5.6/23	7.1/24	8.0/28	9.0/32	10.0/36	11.2/40	14.0/48	16.0/56	18.0/60
Heating capacity	kW/kBtu/h	3.2/10	4.0/13	5.0/17	6.3/21	8.0/28	9.0/32	10.0/36	11.2/40	12.5/43	16.0/56	18.0/60	20.0/68
Indoor air flow	m³/h	790/740/691/641 /591/542/492	910/840/770 /701/631 /561/491	840/791/741 /692/642 /593/543	1000/943 /886/829 /772 /715/658	1100/1019 /939/858 /777 /697/616	1330/1239 /1148/1057 /965 /874/783	1330/1239 /1093/1290 /965 /1186 /1083/979	1600/1497/ 1393/1290 /1146 /1500 /1380/1270	1900/1787/ 1673/1560 /1446 /1500 /1380/1270	2100/1900/ 1760/1630 /1500 /1430/1270	2300/2140 /1960/1770 /1600 /1430/1270	
Sound pressure level	dB(A)	30/29/28/27.5 /27/26/25	37/35/34/32 /30/29/27	33/32/31/30 /29/28/27	37/36/34/33 /31/30/28	42.5/40/38 /36/34 /32/30	38/37/35/34 /32/31/29	38/37/35/34 /32/31/29	41/40/38 /37/36 /34/33	47.5/46/44 /42/40 /38/36.5	46/44/43 /41/40 /38/37	50/48/46 /44/42 /40/38	

Duct MI2-**T3DHN18(At)

Model index		05	06	07	09	12	15	18	24
Power supply		1 phase, 220-240V, 50/60Hz							
Cooling capacity	kW/kBtu/h	15/51	18/61	22/75	28/96	3.6/12.3	4.5/15.4	5.6/19.1	7.1/24.2
Heating capacity	kW/kBtu/h	18/61	22/75	25/8.9	32/10.9	4/13.7	5/17.1	6.3/21.5	8/27.3
Indoor air flow	m³/h	465/432/407/381 /352/321/301	465/432/407/381 /352/321/301	465/432/407/381 /352/321/301	465/432/407/381 /352/321/301	603/547/502/456 /407/361/321	820/722/687/624 /558/514/435	893/779/743/655 /581/560/472	1118/999/928/840 /750/664/578
Sound pressure level	dB(A)	33/31/30/29 /27/26/25	33/31/30/29 /27/26/25	33/31/30/29 /27/26/25	33/31/30/29 /27/26/25	32/30/29/27 /25/23/22	34/32/31/30 /29/25/23	38/35/34/31 /29/28/26	38/35/33/31 /29/27/25

Duct MI2-**T2DHN18(At)

Model index		28	32	40	42	48	56
Power supply		1 phase, 220-240V, 50/60Hz					
Cooling capacity	kW/kBtu/h	8/27.3	9/30.7	11.2/39.2	12.5/42.7	14/47.8	16/54.6
Heating capacity	kW/kBtu/h	9/30.7	10/34.1	12.5/42.7	14/47.8	16/54.6	18/61.4
Indoor air flow	m³/h	1457/1344/1233/1121 /1088/896/785	1585/1465/1348/1231 /1113/996/878	1656/1536/1418/1300 /1180/1062/945	2177/2020/1866/1711 /1554/1400/1246	2098/1948/1798/1649 /1499/1349/1199	2350/2160/2015/1871 /1776/1533/1400
Sound pressure level	dB(A)	38/36.5/35/33 /31.5/30/28	40/38/36/34 /32/30/28	41/39/37/35 /33/31/29	42/40.5/38.5 /36.5/35/33/31	42/40.5/38.5 /36.5/35/33/31	42/40.5/38.5 /36.5/35/33/31

Wall Mounted MI2-**GDHN18(At)

Model index		05	07	09	12	15	18	24	28
Power supply		1 phase, 220-240V, 50/60Hz							
Cooling capacity	kW/kBtu/h	15/5	2.2/7	2.8/9	3.6/12	4.5/15	5.6/19	7.1/24	8.0/27
Heating capacity	kW/kBtu/h	17/5	2.4/8	3.2/10	4.0/13	5.0/17	6.3/21	8.0/27	9.0/30
Indoor air flow	m³/h	460/440/420 /400/380 /360/340	500/470/440 /410/390 /370/340	540/510/470 /430/400 /370/340	580/540/500 /460/420/ 380/340	720/670/620 /560/510 /460/410	860/780/700 /620/550 /480/410	1220/1120/1030 /940/850 /750/660	1380/1260/1140 /1020/900 /780/660
Sound pressure level	dB(A)	32/31/30/30 /29/28/27	33/32/31/30 /29/28/27	35/34/33/32 /31/30/28	37/36/34/33 /31/30/28	37/35/33/32 /31/30/29	41/39/37/35 /33/31/29	44/42/40/38 /36/34/32	45/43/41/39 /37/35/32

Notes:
1. The full model name can be obtained by substituting the asterisk in the model name format given above the table with the model index given in the table.



AtomC Series Mini VRF

Cooling Only 50/60Hz

12/18/24/28/36/42/48/56/60kBtu/h

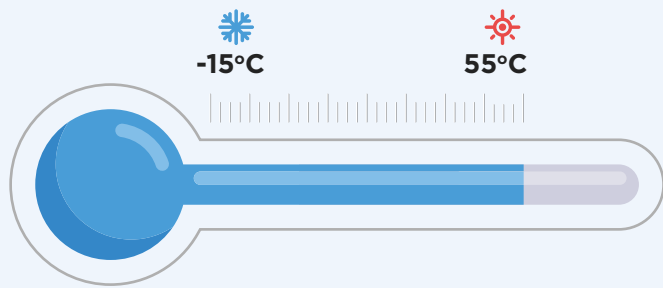


Install in a Flash

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

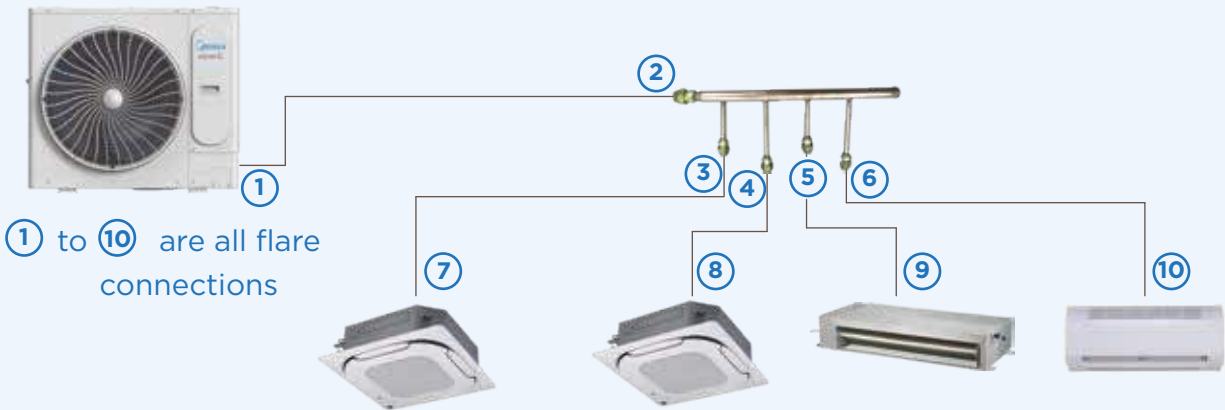
Wide Operation Range

The AtomC series VRF system operates stably under extreme conditions, ranging from minus -15°C to 55°C.



All Flare Connections, The Easiest VRF to Install

The AtomC series VRF system uses all flare connection which can greatly simplify installation. The multiple branch header with 1 to 2, 3, 4,5 or 6 options further simplify installation.



Less Required Space for VRF Installation

There's only one pipe for AtomC VRF to connect indoor and outdoor units, which not only includes less special pipe and punching needs, but also reduces pipes space. In this way, there would be less occupied space for VRF installation.



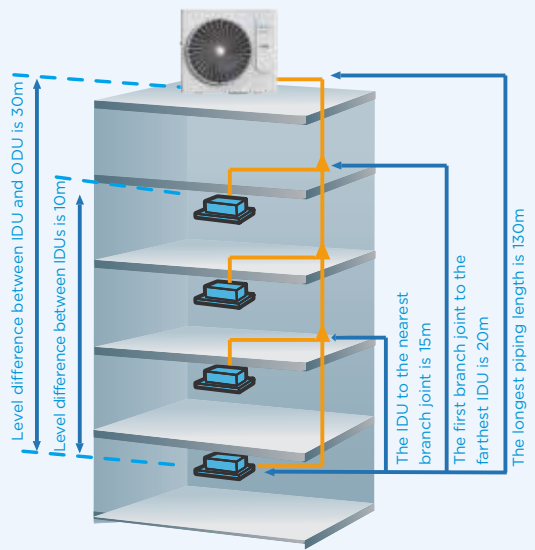
1 to 9 Indoor Units Connection

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.



Long Piping Length

The ATOM C series Mini VRF provides a total piping length possibility of 130m, a maximum height difference between outdoor and indoor units of 30m. The height difference between indoor units can be up to 10m. These generous allowances facilitate an extensive array of system designs.



Capability(m)		12/18kBtu/h	24/28/36kBtu/h	42kBtu/h	48/56/60kBtu/h
Pipe Length	Total Pipe Length(Actual)	50	70	90	130
	Longest piping	Actual Length	25	35	45
		Equivalent Length	35	40	50
Level difference	Equivalent piping length (from the farthest IDU to the first indoor branch joint/header)		20	20	20
	Level difference between IDU-ODU	Outdoor Unit Up	10	10	20
		Outdoor Unit Down	10	10	20
	Level difference between IDU-IDU		10	10	10

Outdoor Unit Lineup

Capacity range:
12/18/24/28/36/42/48/56/60kBtu/h (9 models)



Flexible Branch Header Lineup

Model	1 to 2 branch header DXFQT2-02	1 to 3 branch header DXFQT3-02	1 to 4 branch header DXFQT4-02	1 to 5 branch header DXFQT5-02	1 to 6 branch header DXFQT6-02
Appearance					

V8 Atom Indoor Unit Lineup

Model	Capacity range	Image
One-way Cassette	06/07/09/12/15/18/24kBtu/h (7 models)	
Four-way Cassette	09/12/15/18/24/28/32/36/40/48/56/60kBtu/h (12 models)	
Compact Four-way Cassette	05/07/09/12/15/18/21kBtu/h (7 models)	
Wall Mounted	05/07/09/12/15/18/24/28kBtu/h (8 models)	
Duct	05/06/07/09/12/15/18/24/28/32/40/42/48/56kBtu/h (14 models)	

Note: Atom C can only be connected with the V8 ATOM indoor unit.